

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061797.D
 Acq On : 15 Apr 2019 13:14
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 16 08:19:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	594885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	923576	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	802233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	392756	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.49	65	49360	9.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.70%	
35) Dibromofluoromethane	6.97	113	74342	10.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.30%	
50) Toluene-d8	10.45	98	173479	10.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.98%	
62) 4-Bromofluorobenzene	13.58	95	73442	10.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.92%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.60	85	51436	8.812	ug/l	98
3) Chloromethane	1.78	50	44833	9.638	ug/l	97
4) Vinyl Chloride	1.87	62	41664	9.024	ug/l	96
5) Bromomethane	2.18	94	11852	10.018	ug/l	89
6) Chloroethane	2.30	64	15893	10.089	ug/l	92
7) Trichlorofluoromethane	2.56	101	77323	10.347	ug/l	99
8) Diethyl Ether	2.91	74	17184	8.756	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.19	101	63807	9.563	ug/l	96
10) Methyl Iodide	3.35	142	65115	7.237	ug/l	96
11) Tert butyl alcohol	4.11	59	13523	45.759	ug/l #	76
12) 1,1-Dichloroethene	3.16	96	54008	9.623	ug/l	99
13) Acrolein	3.06	56	13198	46.098	ug/l	93
14) Allyl chloride	3.67	41	73341	9.585	ug/l	99
15) Acrylonitrile	4.24	53	46767	50.407	ug/l	98
16) Acetone	3.25	43	59093	47.838	ug/l	95
17) Carbon Disulfide	3.42	76	171389	9.449	ug/l #	95
18) Methyl Acetate	3.68	43	23811	9.612	ug/l	93
19) Methyl tert-butyl Ether	4.29	73	101495	9.714	ug/l	96
20) Methylene Chloride	3.86	84	86378	11.588	ug/l	94
21) trans-1,2-Dichloroethene	4.27	96	61044	9.904	ug/l	96
22) Diisopropyl ether	5.17	45	167108	10.235	ug/l	95
23) Vinyl Acetate	5.11	43	414078	47.515	ug/l #	95
24) 1,1-Dichloroethane	5.03	63	100348	10.126	ug/l	99
25) 2-Butanone	6.12	43	68761	48.887	ug/l	100
26) 2,2-Dichloropropane	6.08	77	92262	10.760	ug/l	98
27) cis-1,2-Dichloroethene	6.09	96	69191	10.343	ug/l	93
28) Bromochloromethane	6.49	49	39893	10.587	ug/l	96
29) Tetrahydrofuran	6.51	42	32635	47.630	ug/l	97
30) Chloroform	6.72	83	108613	9.819	ug/l	99
31) Cyclohexane	7.01	56	71489	9.416	ug/l	99
32) 1,1,1-Trichloroethane	6.91	97	95802	9.770	ug/l	98
36) 1,1-Dichloropropene	7.20	75	80779	10.701	ug/l	95
37) Ethyl Acetate	6.22	43	32030	9.916	ug/l #	93
38) Carbon Tetrachloride	7.16	117	101509	10.331	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.91	83	80444	10.264	ug/l	97
40) Benzene	7.50	78	180799	9.977	ug/l	97
41) Methacrylonitrile	6.49	41	38945	10.201	ug/l #	94
42) 1,2-Dichloroethane	7.62	62	66357	10.516	ug/l	97
43) Isopropyl Acetate	9.28	43	44870	9.871	ug/l	98
44) Trichloroethene	8.59	130	72331	10.370	ug/l	97
45) 1,2-Dichloropropane	8.98	63	47033	9.966	ug/l	94
46) Dibromomethane	9.11	93	32570	9.685	ug/l	93
47) Bromodichloromethane	9.41	83	72633	9.362	ug/l	88
48) Methyl methacrylate	9.16	41	24940	9.334	ug/l	90
49) 1,4-Dioxane	9.12	88	5089	174.255	ug/l	93
51) 4-Methyl-2-Pentanone	10.34	43	134320	48.321	ug/l	100
52) Toluene	10.55	92	124891	10.756	ug/l	96
53) t-1,3-Dichloropropene	10.95	75	69712	9.972	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86305	10.517	ug/l	97
55) 1,1,2-Trichloroethane	11.23	97	40717	10.407	ug/l	96
56) Ethyl methacrylate	11.08	69	43918	10.227	ug/l	97
57) 1,3-Dichloropropane	11.44	76	58016	9.863	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.90	63	123549	60.490	ug/l	95
59) 2-Hexanone	11.56	43	105386	51.045	ug/l	97
60) Dibromochloromethane	11.72	129	61286	9.573	ug/l	100
61) 1,2-Dibromoethane	11.84	107	46843	9.737	ug/l	99
64) Tetrachloroethene	11.29	164	59134	9.829	ug/l	99
65) Chlorobenzene	12.43	112	161198	10.789	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.55	131	65375	10.442	ug/l	95
67) Ethyl Benzene	12.55	91	264640	11.061	ug/l	99
68) m/p-Xylenes	12.69	106	183962	20.469	ug/l	98
69) o-Xylene	13.08	106	83938	9.937	ug/l	99
70) Styrene	13.10	104	154834	10.651	ug/l	99
71) Bromoform	13.26	173	36011	9.690	ug/l #	92
73) Isopropylbenzene	13.43	105	255207	10.019	ug/l	96
74) N-amyl acetate	13.28	43	59165	8.638	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.73	83	41758	8.294	ug/l	93
76) 1,2,3-Trichloropropane	13.76	75	47224	9.156	ug/l	99
77) Bromobenzene	13.70	156	65386	9.037	ug/l	97
78) n-propylbenzene	13.80	91	296289	10.068	ug/l	100
79) 2-Chlorotoluene	13.86	91	159646	9.341	ug/l	94
80) 1,3,5-Trimethylbenzene	13.95	105	208710	10.327	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.50	75	12065	8.211	ug/l	94
82) 4-Chlorotoluene	13.97	91	198760	10.101	ug/l	97
83) tert-Butylbenzene	14.21	119	233308	9.831	ug/l	100
84) 1,2,4-Trimethylbenzene	14.26	105	199641	9.827	ug/l	96
85) sec-Butylbenzene	14.39	105	231599	9.441	ug/l	99
86) p-Isopropyltoluene	14.51	119	231349	10.079	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	123013	9.739	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	118579	9.497	ug/l	99
89) n-Butylbenzene	14.82	91	199392	9.813	ug/l	98
90) Hexachloroethane	15.03	117	52690	8.422	ug/l	99
91) 1,2-Dichlorobenzene	14.83	146	100231	9.473	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.40	75	5529	7.931	ug/l	99

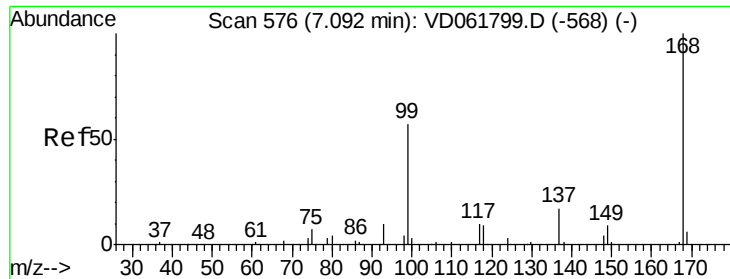
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:14:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	52243	8.990	ug/l	99
94) Hexachlorobutadiene	16.06	225	38800	9.213	ug/l	97
95) Naphthalene	16.14	128	71370	8.013	ug/l	97
96) 1,2,3-Trichlorobenzene	16.29	180	31034	9.371	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

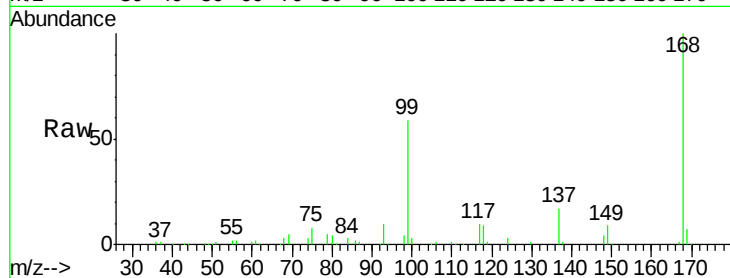
VSTDIC010

Tot Ion:168 Resp: 594885

Ion Ratio Lower Upper

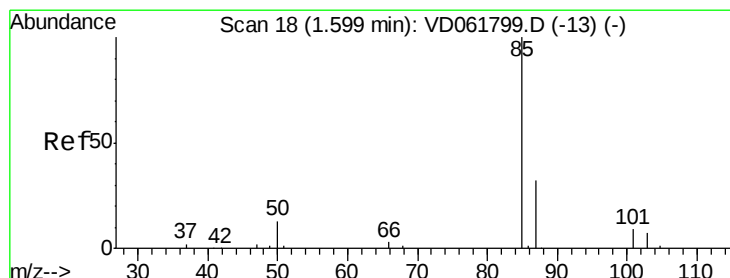
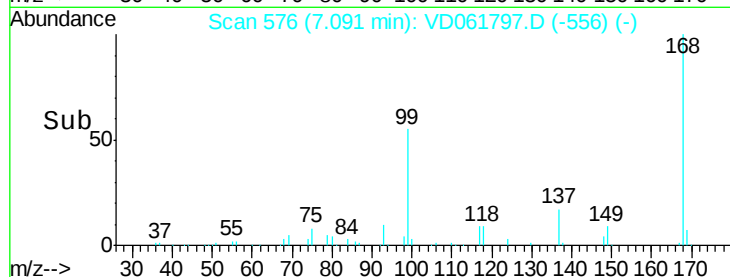
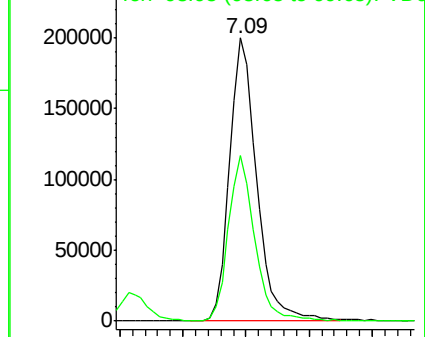
168 100

99 58.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 8.812 ug/l

RT: 1.60 min Scan# 18

Delta R.T. -0.00 min

Lab File: VD061797.D

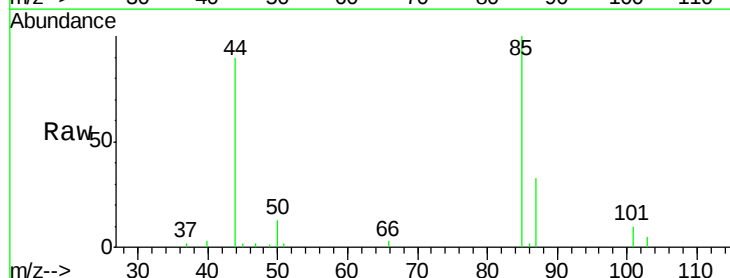
Acq: 15 Apr 2019 13:14

Tgt Ion: 85 Resp: 51436

Ion Ratio Lower Upper

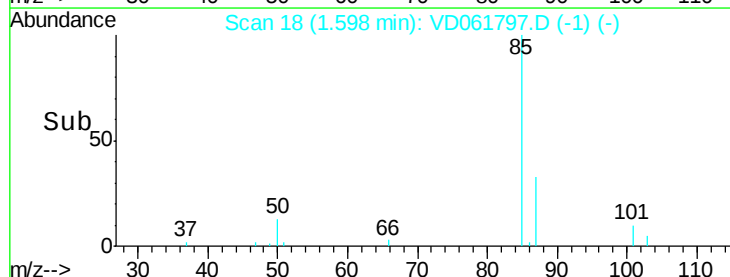
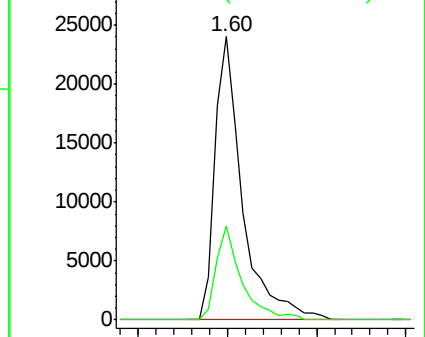
85 100

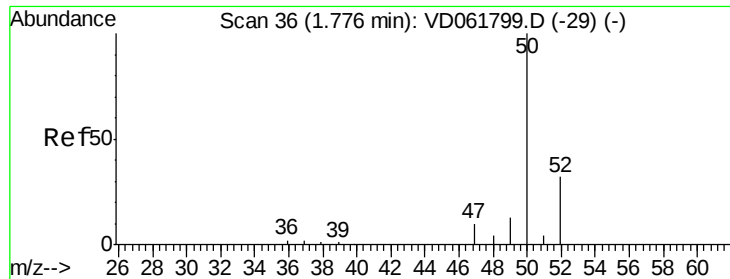
87 33.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.638 ug/l

RT: 1.78 min Scan# 36

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

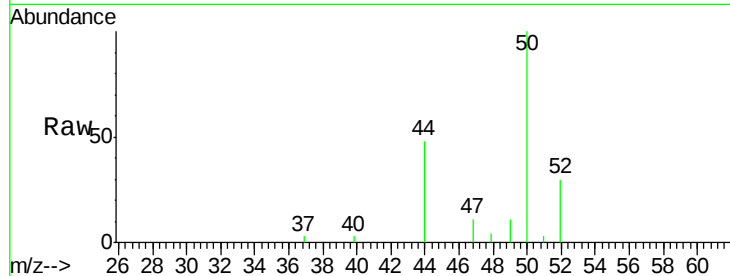
VSTDIC010

Tot Ion: 50 Resp: 44833

Ion Ratio Lower Upper

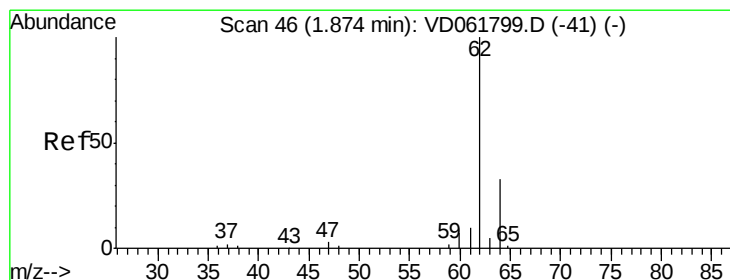
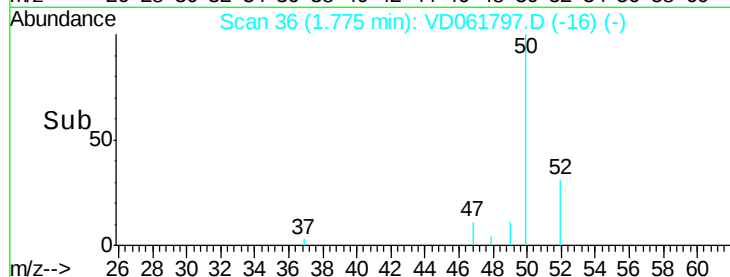
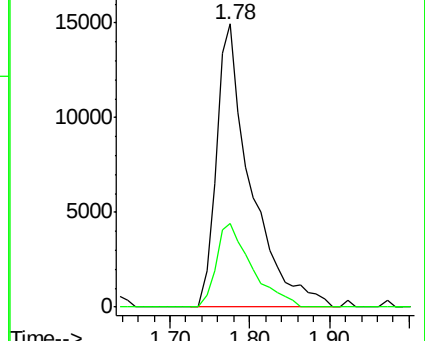
50 100

52 29.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 9.024 ug/l

RT: 1.87 min Scan# 46

Delta R.T. -0.00 min

Lab File: VD061797.D

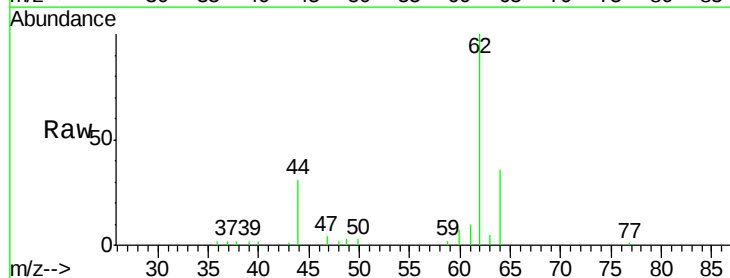
Acq: 15 Apr 2019 13:14

Tgt Ion: 62 Resp: 41664

Ion Ratio Lower Upper

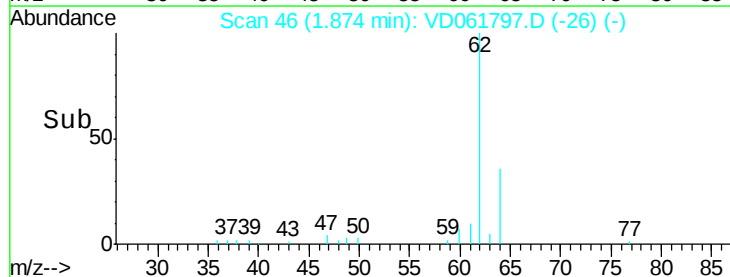
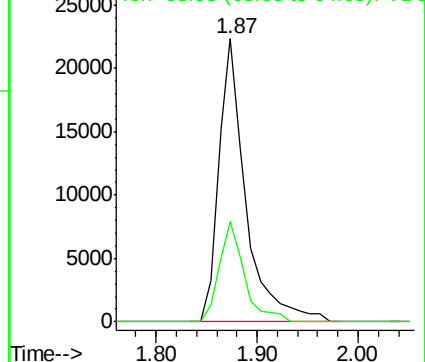
62 100

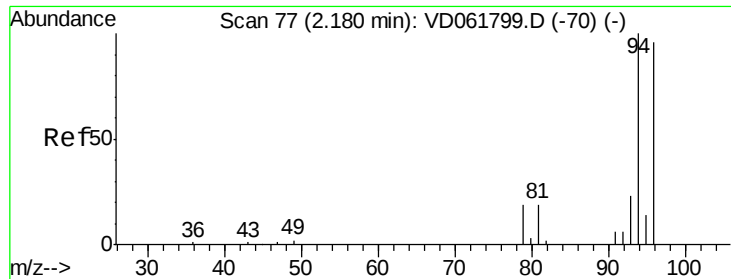
64 35.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.018 ug/l

RT: 2.18 min Scan# 77

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

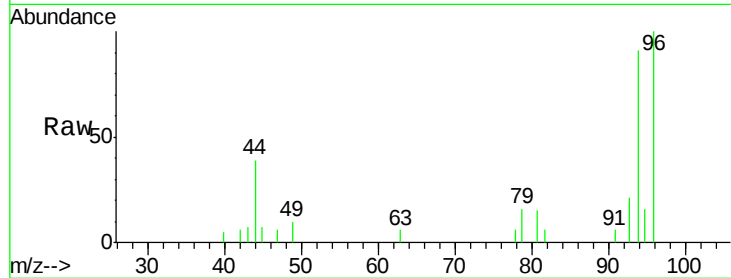
Tot Ion: 94 Resp: 11852

Ion Ratio Lower Upper

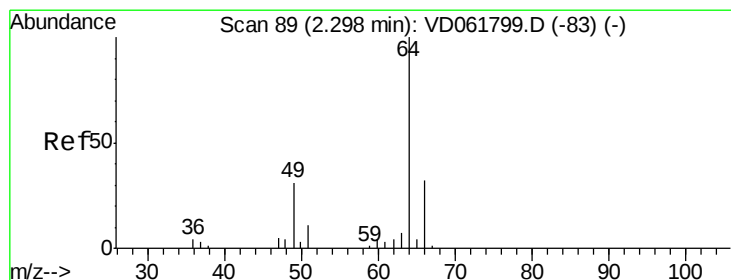
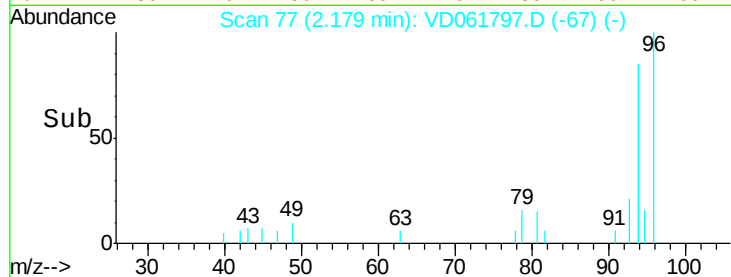
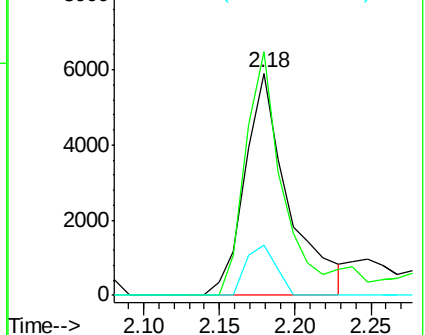
94 100

96 109.4 76.6 115.0

93 22.9 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 10.089 ug/l

RT: 2.30 min Scan# 89

Delta R.T. -0.00 min

Lab File: VD061797.D

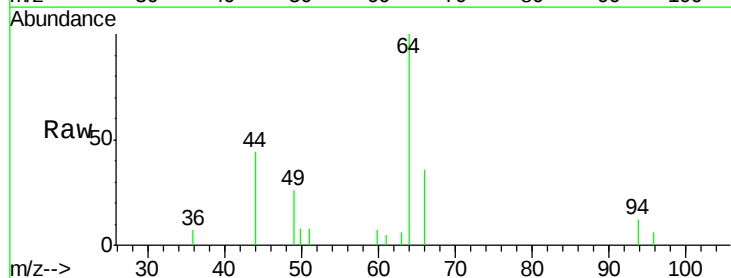
Acq: 15 Apr 2019 13:14

Tgt Ion: 64 Resp: 15893

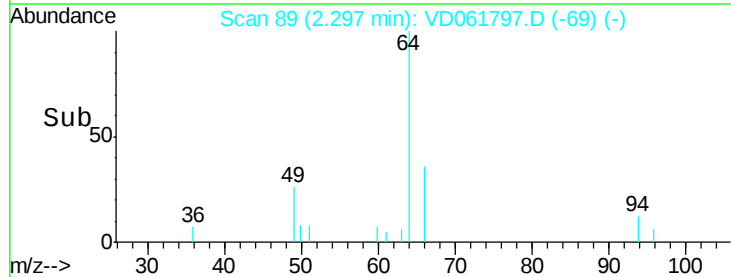
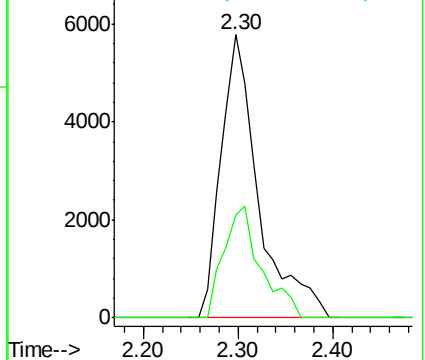
Ion Ratio Lower Upper

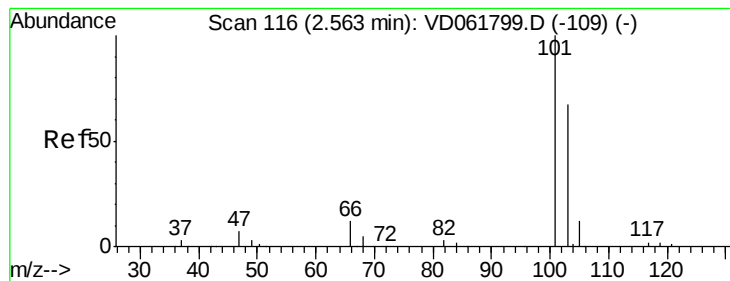
64 100

66 36.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



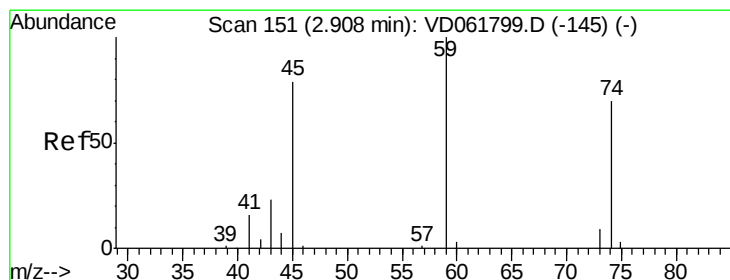
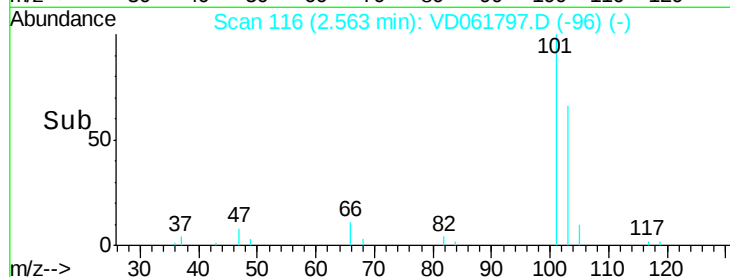
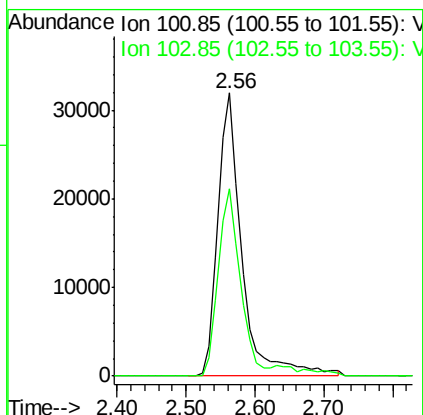
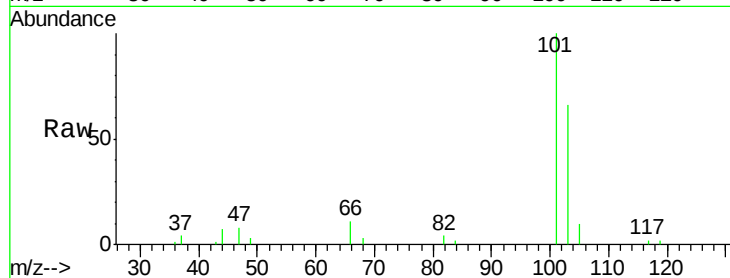


#7

Trichlorofluoromethane
 Concen: 10.347 ug/l
 RT: 2.56 min Scan# 116
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

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 VSTDIC010

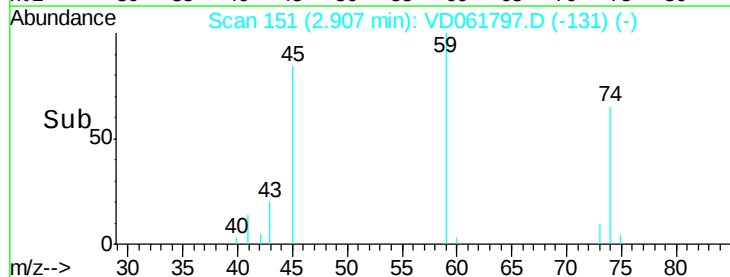
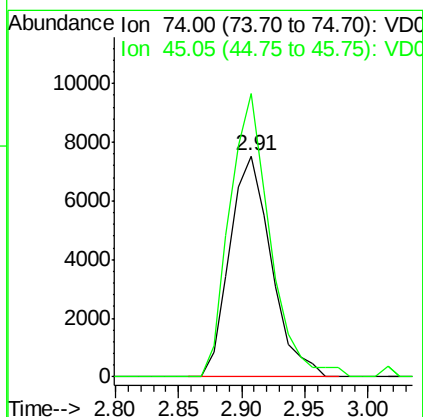
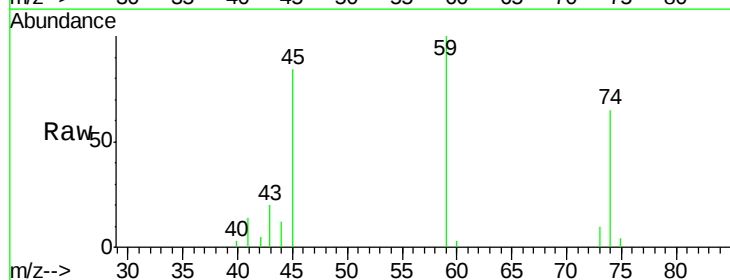
Tot Ion:101 Resp: 77323
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.6 80.4

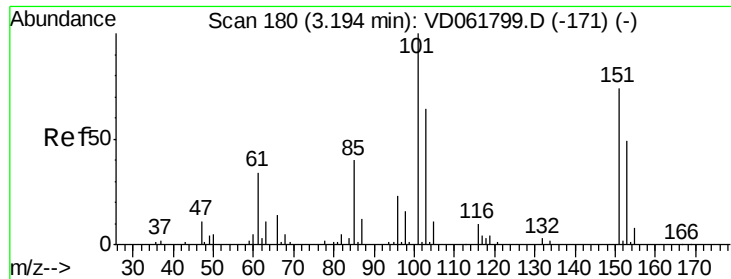


#8

Diethyl Ether
 Concen: 8.756 ug/l
 RT: 2.91 min Scan# 151
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion: 74 Resp: 17184
 Ion Ratio Lower Upper
 74 100
 45 128.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.563 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

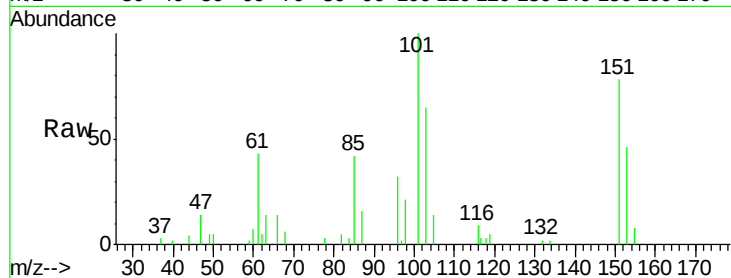
Tot Ion:101 Resp: 63807

Ion Ratio Lower Upper

101 100

85 42.1 32.4 48.6

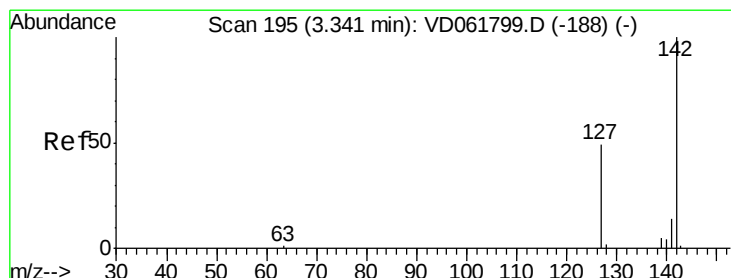
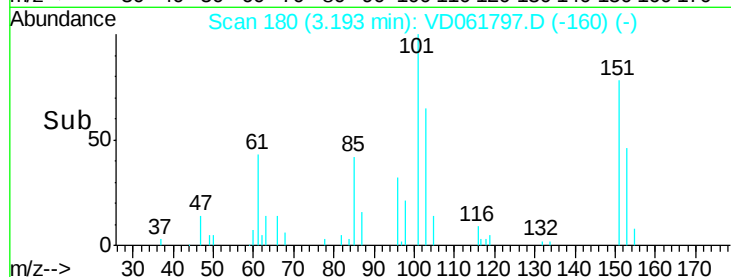
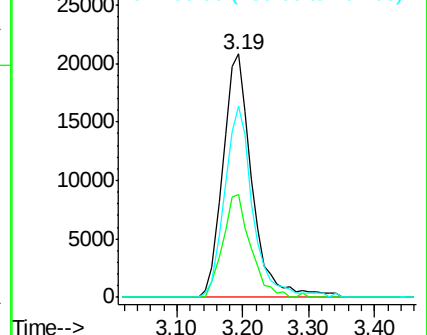
151 78.3 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 7.237 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

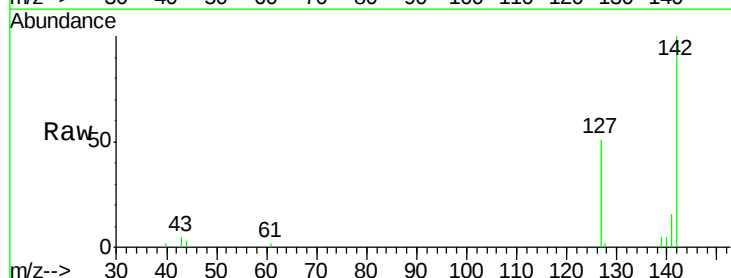
Tgt Ion:142 Resp: 65115

Ion Ratio Lower Upper

142 100

127 51.1 38.8 58.2

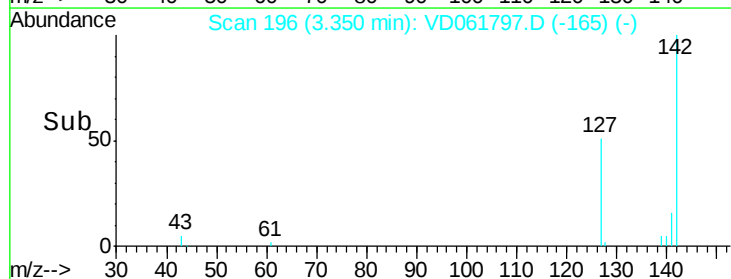
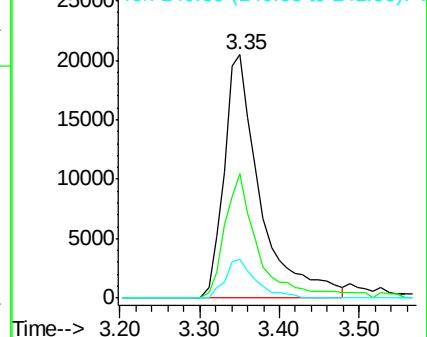
141 15.8 11.4 17.0

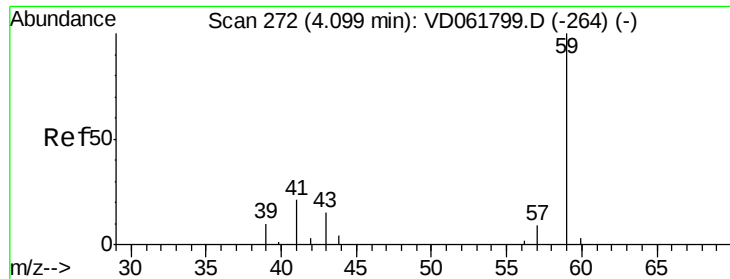


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



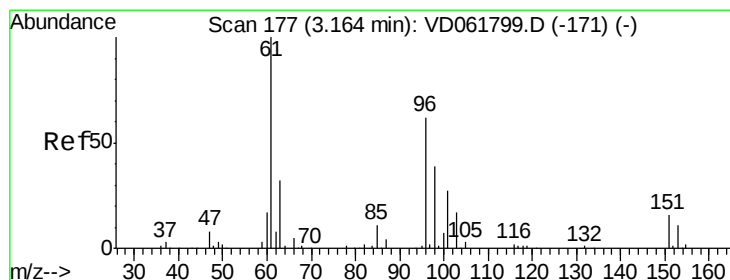
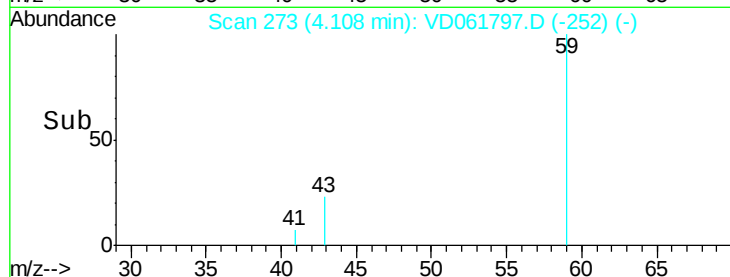
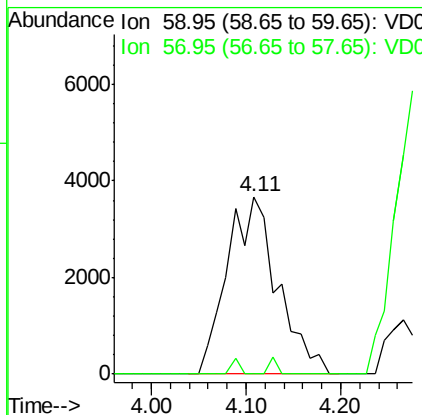
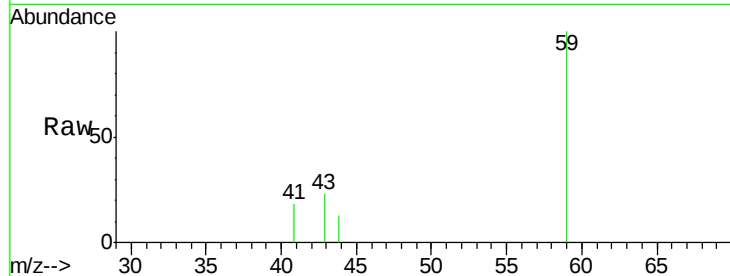


#11

Tert butyl alcohol
 Concen: 45.759 ug/l
 RT: 4.11 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

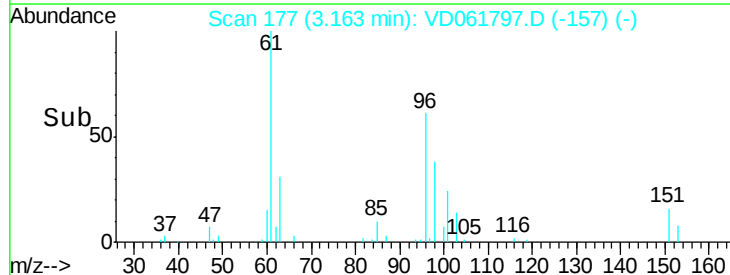
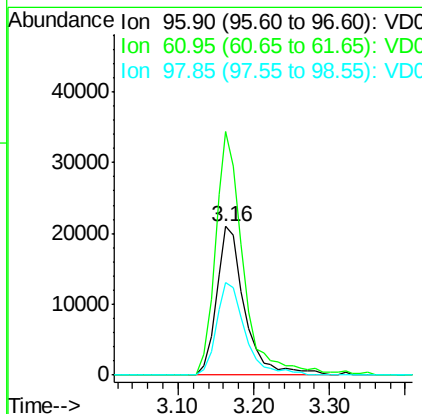
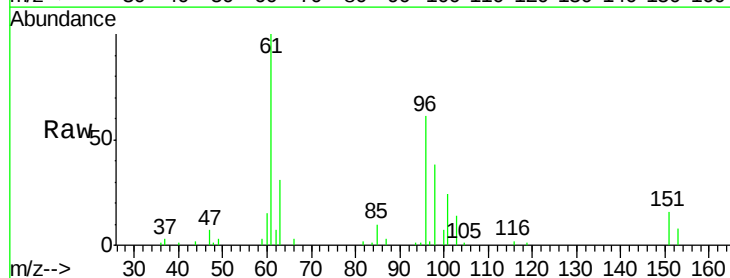
Tot Ion: 59 Resp: 13523
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

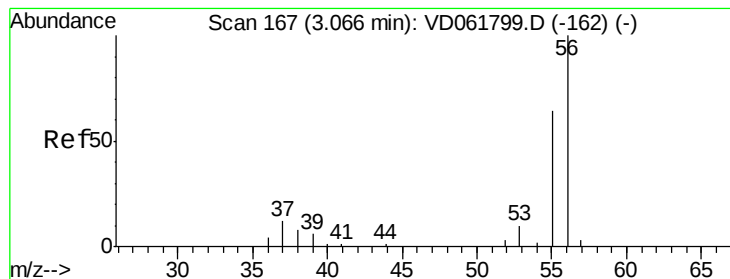


#12

1,1-Dichloroethene
 Concen: 9.623 ug/l
 RT: 3.16 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion: 96 Resp: 54008
 Ion Ratio Lower Upper
 96 100
 61 163.7 129.8 194.8
 98 62.6 51.2 76.8





#13

Acrolein

Concen: 46.098 ug/l

RT: 3.06 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

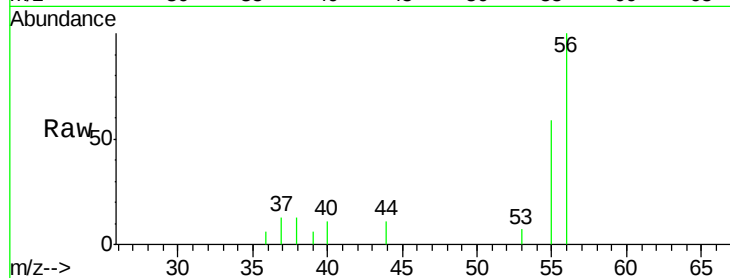
VSTDIC010

Tot Ion: 56 Resp: 13198

Ion Ratio Lower Upper

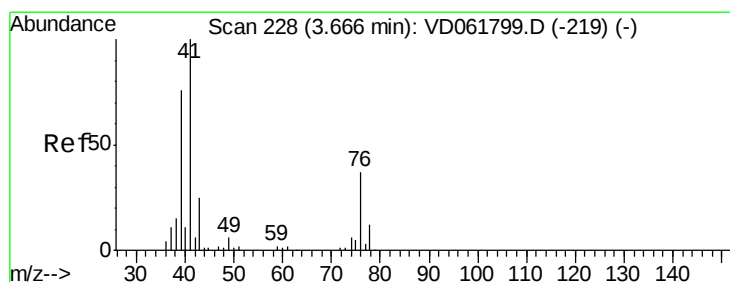
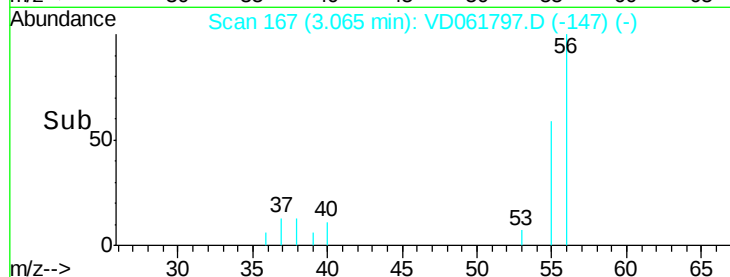
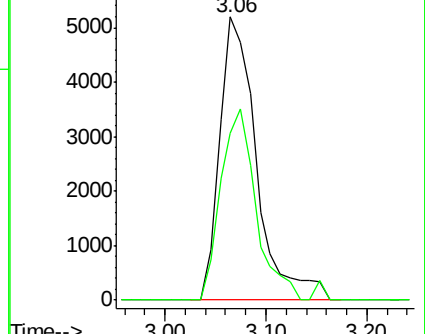
56 100

55 58.7 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.585 ug/l

RT: 3.67 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

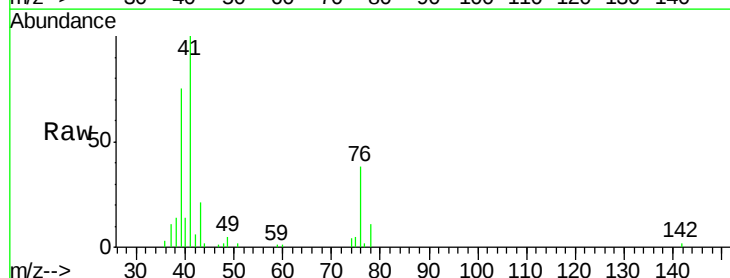
Tgt Ion: 41 Resp: 73341

Ion Ratio Lower Upper

41 100

39 75.4 60.5 90.7

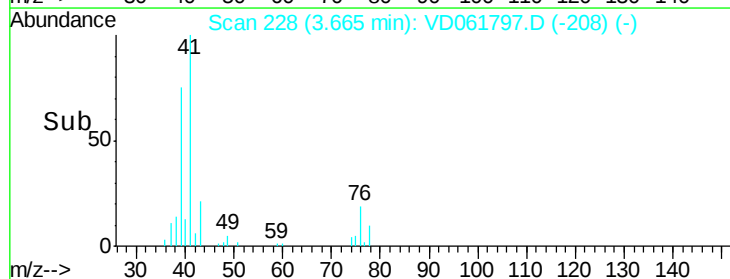
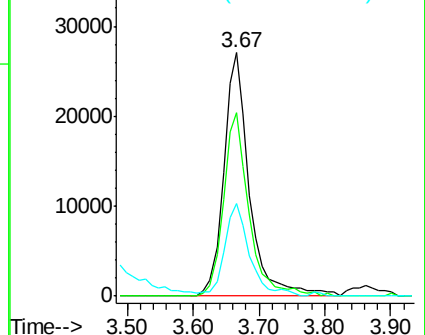
76 38.3 31.8 47.8

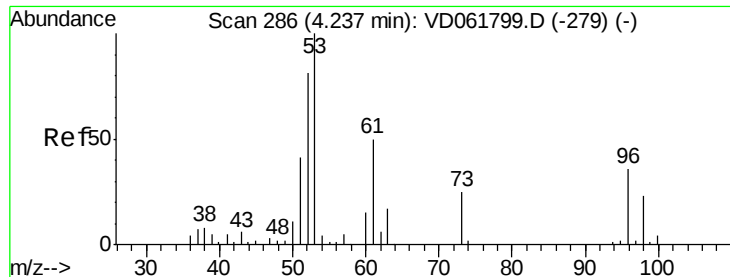


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 50.407 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

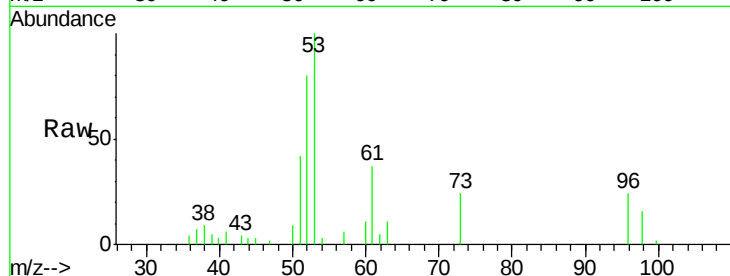
Tot Ion: 53 Resp: 46767

Ion Ratio Lower Upper

53 100

52 79.9 65.0 97.4

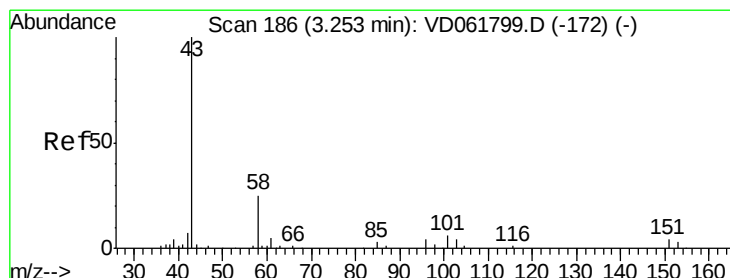
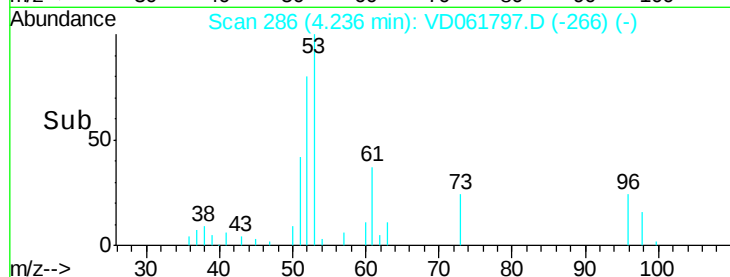
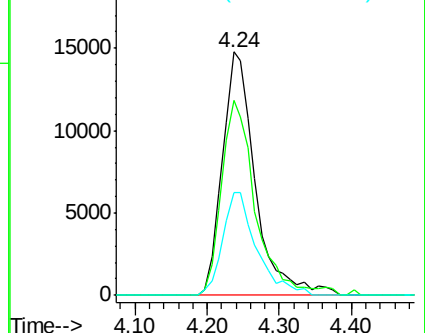
51 42.4 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 47.838 ug/l

RT: 3.25 min Scan# 186

Delta R.T. -0.00 min

Lab File: VD061797.D

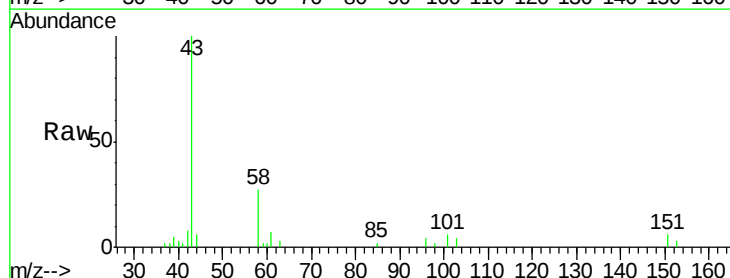
Acq: 15 Apr 2019 13:14

Tgt Ion: 43 Resp: 59093

Ion Ratio Lower Upper

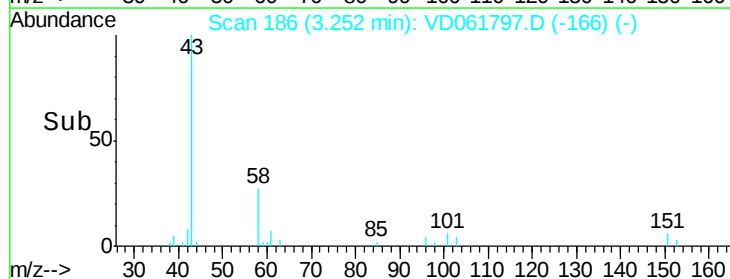
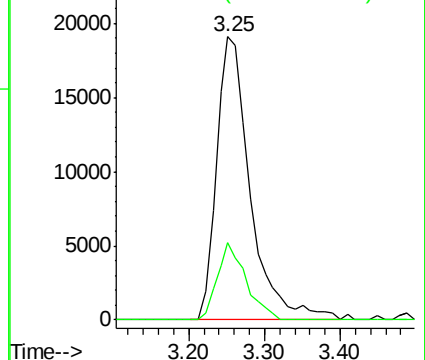
43 100

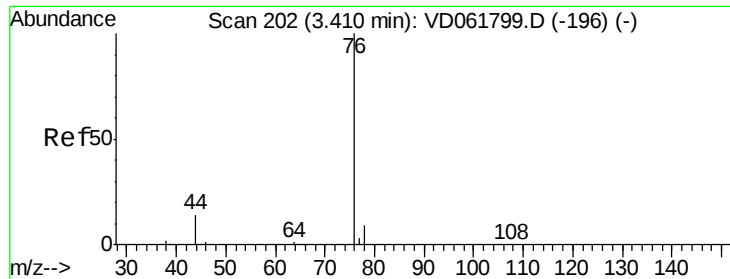
58 27.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

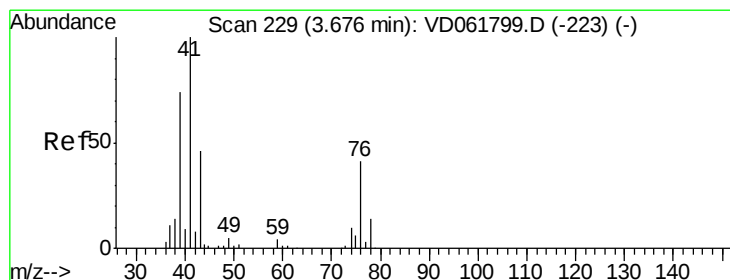
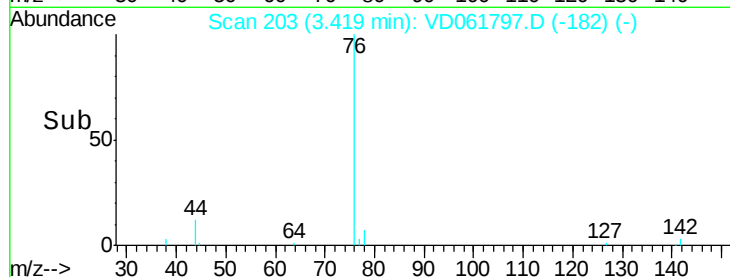
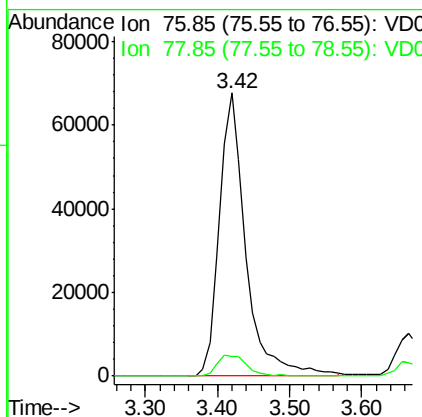
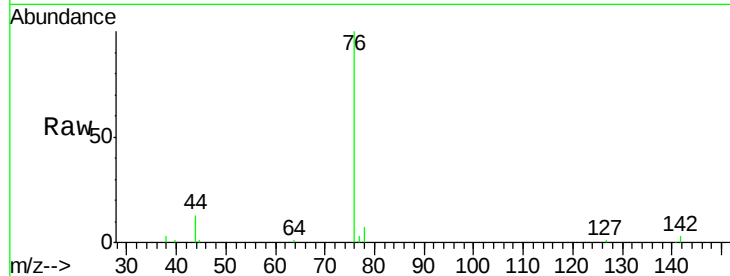




#17
Carbon Disulfide
Concen: 9.449 ug/l
RT: 3.42 min Scan# 203
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

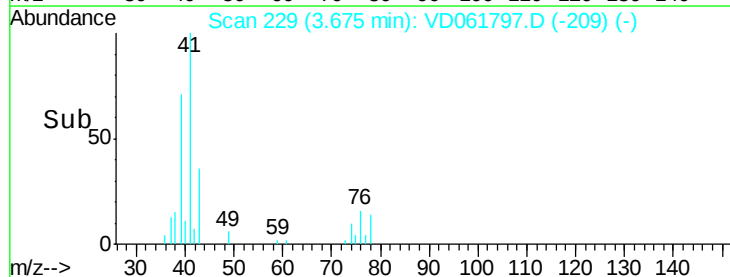
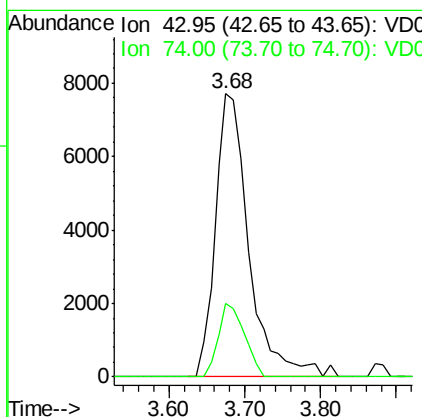
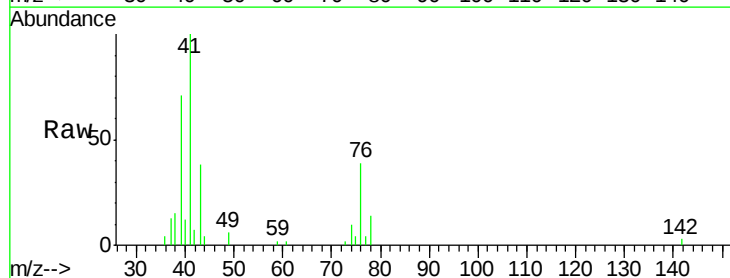
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

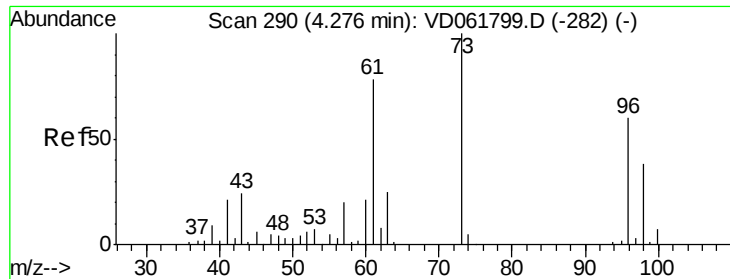
Tot Ion: 76 Resp: 171389
Ion Ratio Lower Upper
76 100
78 7.2 7.2 10.8#



#18
Methyl Acetate
Concen: 9.612 ug/l
RT: 3.68 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 43 Resp: 23811
Ion Ratio Lower Upper
43 100
74 26.0 18.0 27.0

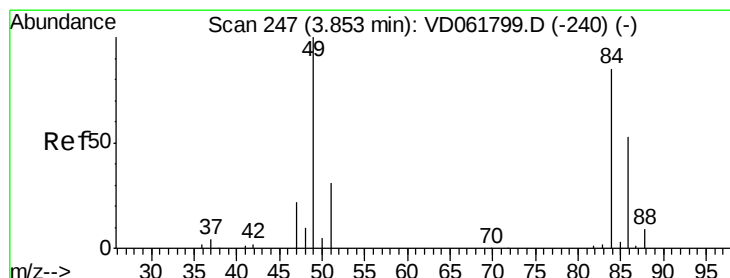
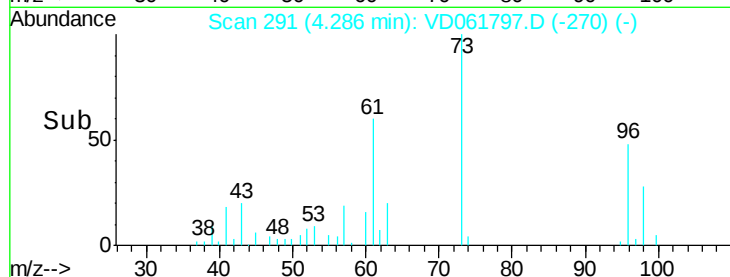
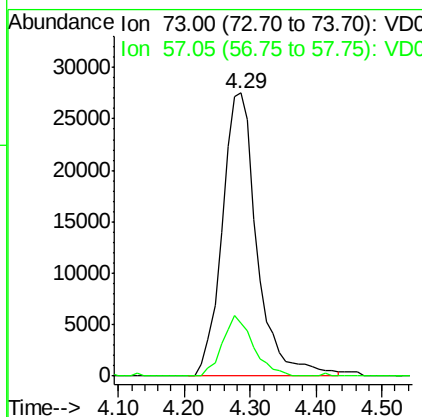
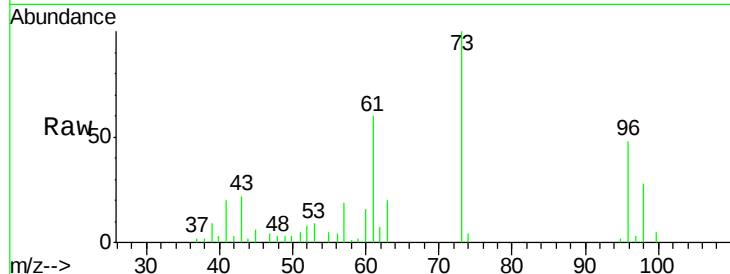




#19
Methyl tert-butyl Ether
Concen: 9.714 ug/l
RT: 4.29 min Scan# 291
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

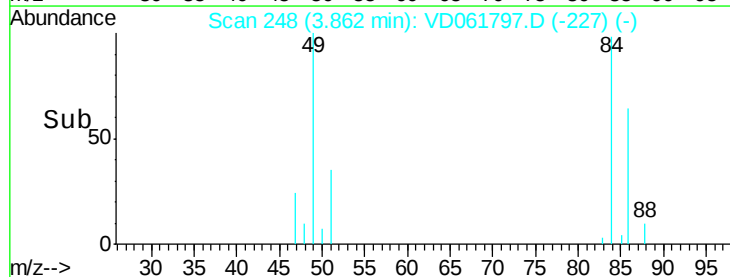
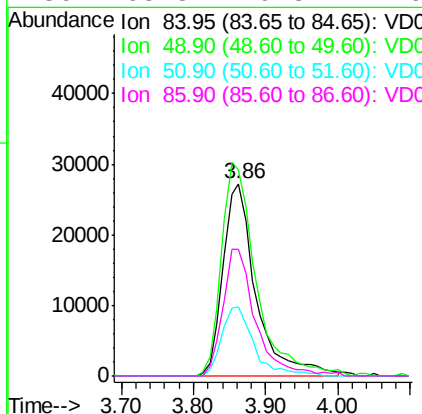
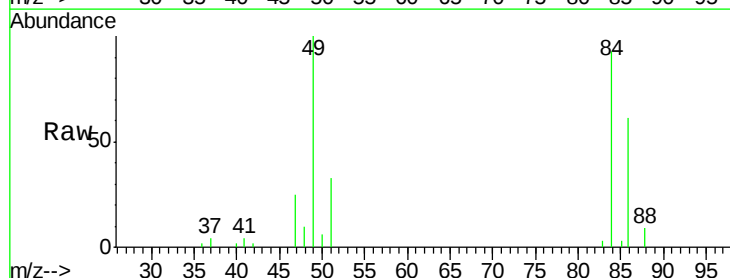
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

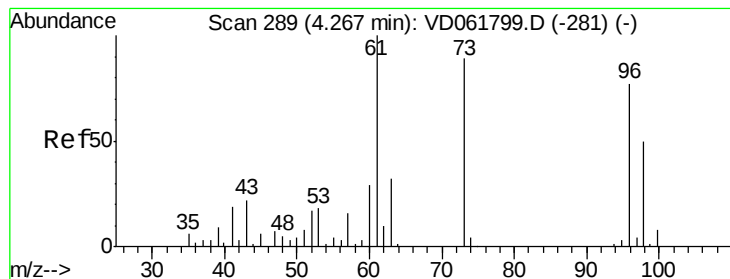
Tot Ion: 73 Resp: 101495
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5



#20
Methylene Chloride
Concen: 11.588 ug/l
RT: 3.86 min Scan# 248
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 84 Resp: 86378
Ion Ratio Lower Upper
84 100
49 107.4 94.0 141.0
51 35.7 29.0 43.4
86 65.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 9.904 ug/l

RT: 4.27 min Scan# 289

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

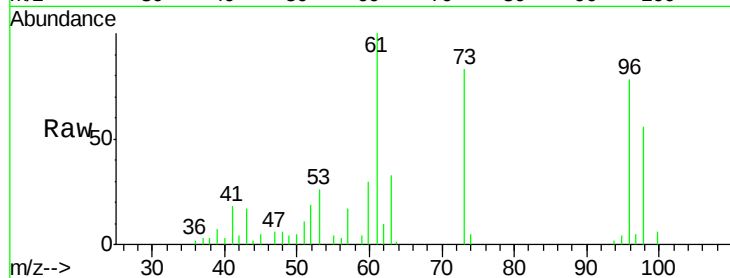
Tot Ion: 96 Resp: 61044

Ion Ratio Lower Upper

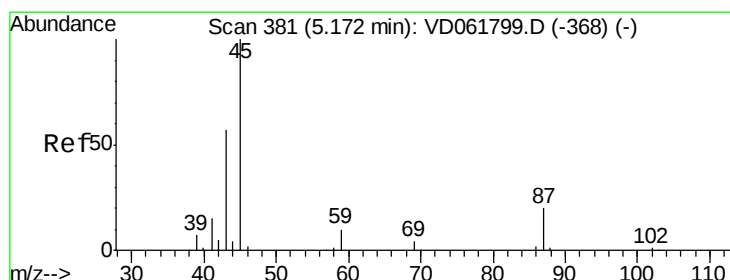
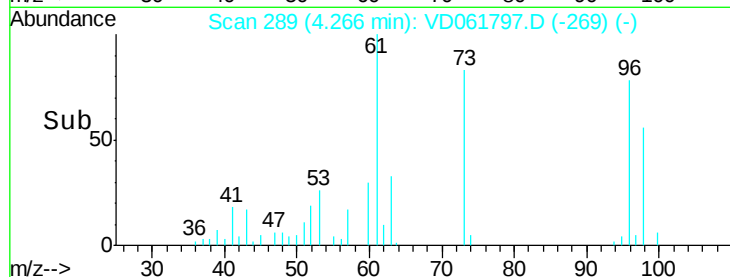
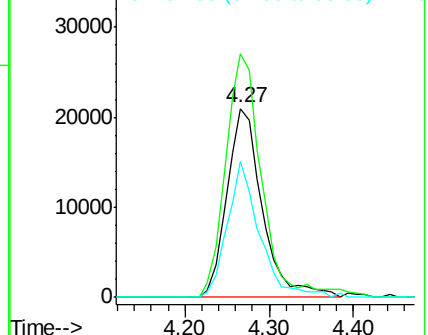
96 100

61 128.9 104.4 156.6

98 72.3 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 10.235 ug/l

RT: 5.17 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Tgt Ion: 45 Resp: 167108

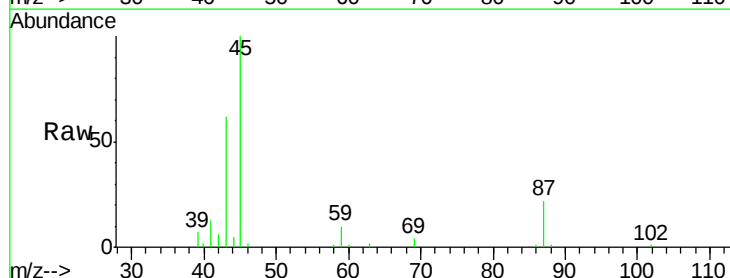
Ion Ratio Lower Upper

45 100

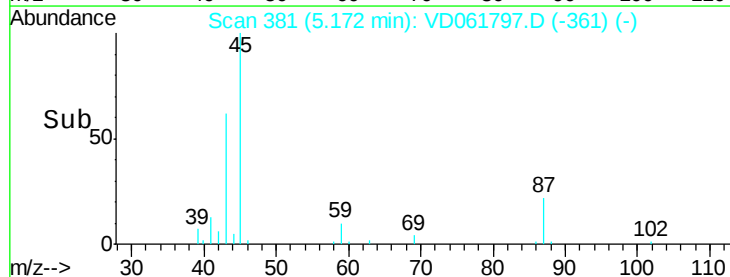
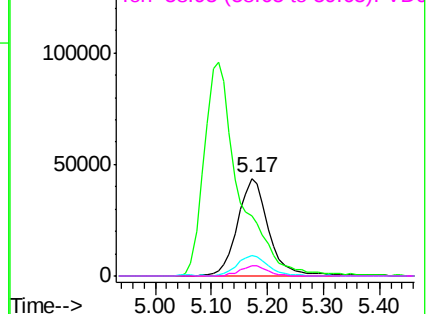
43 62.1 46.2 69.2

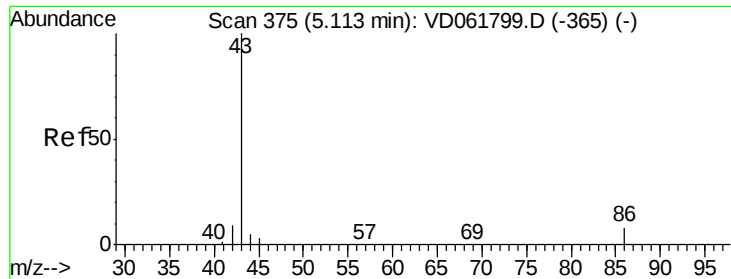
87 21.7 15.9 23.9

59 10.1 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 47.515 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleID :

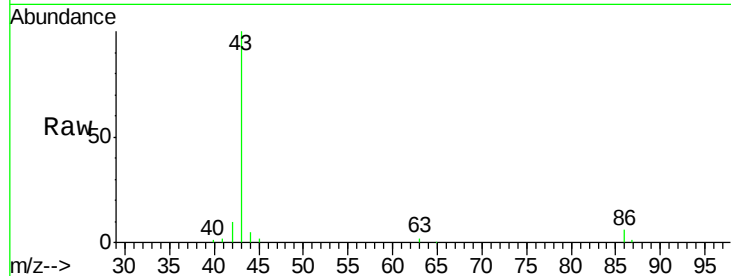
VSTDIC010

Tot Ion: 43 Resp: 414078

Ion Ratio Lower Upper

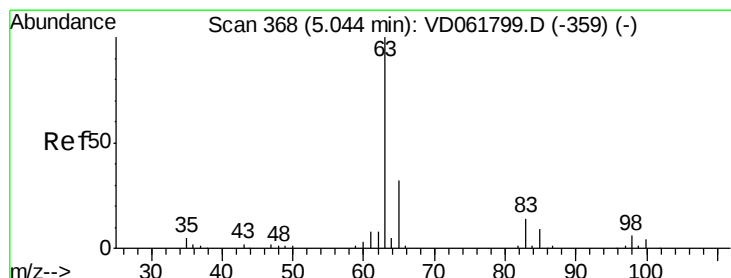
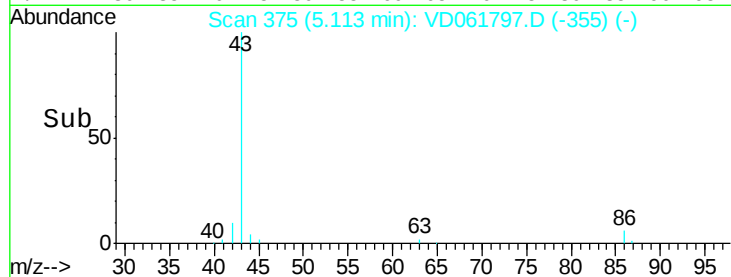
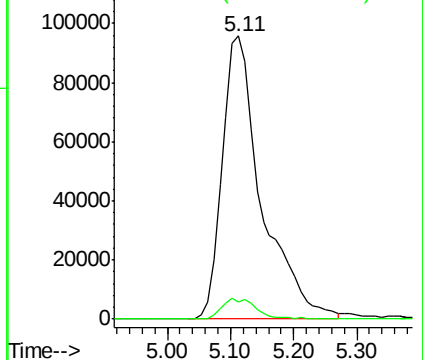
43 100

86 6.2 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.126 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

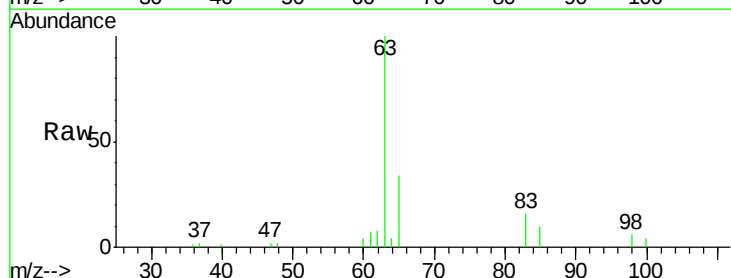
Tgt Ion: 63 Resp: 100348

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

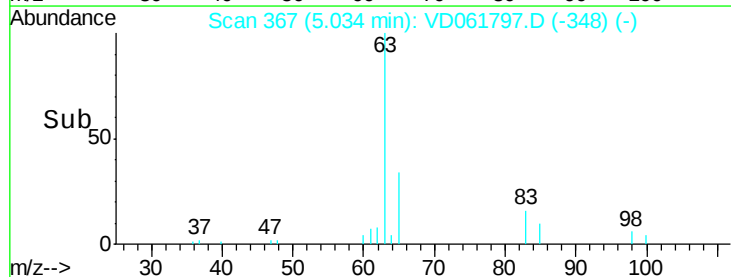
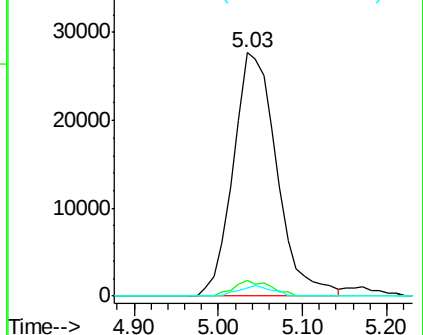
100 3.6 1.8 5.5

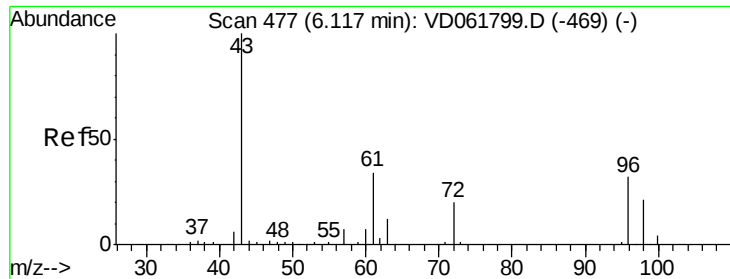


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 48.887 ug/l

RT: 6.12 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

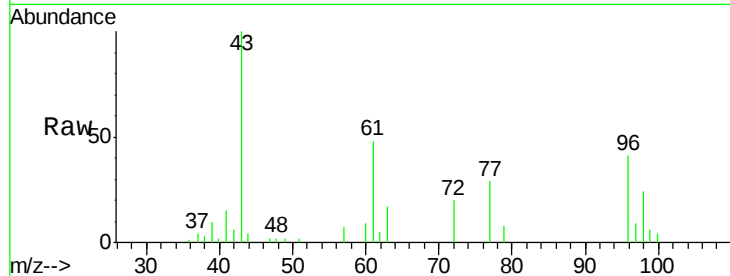
VSTDIC010

Tot Ion: 43 Resp: 68761

Ion Ratio Lower Upper

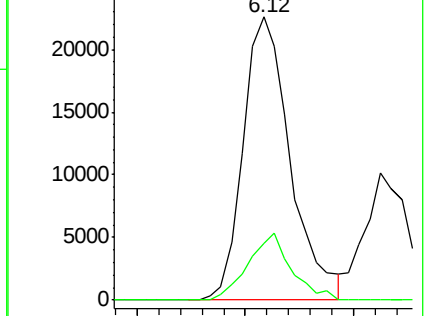
43 100

72 20.1 16.2 24.4

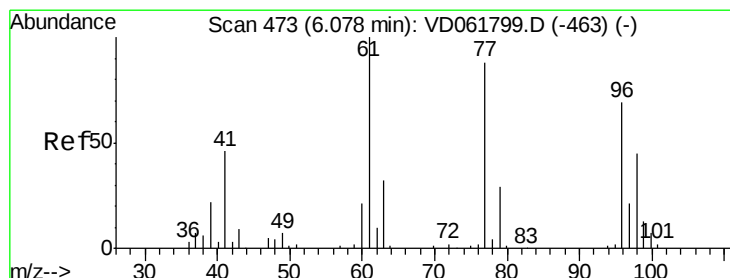
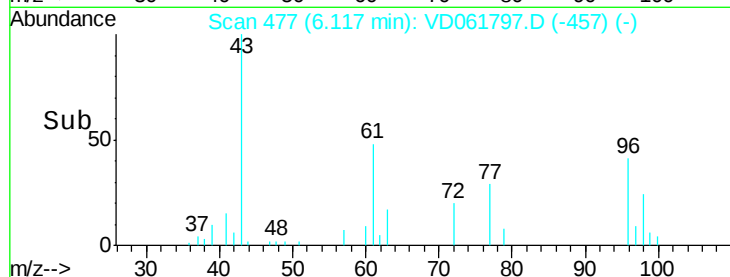


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 10.760 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061797.D

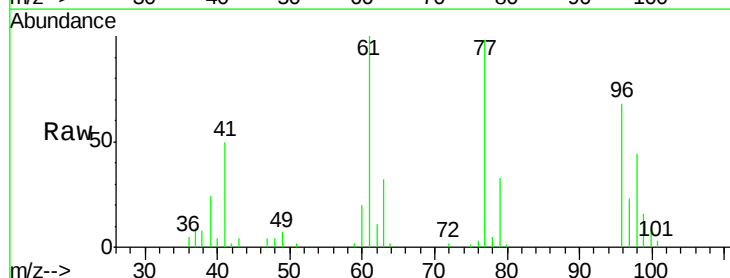
Acq: 15 Apr 2019 13:14

Tgt Ion: 77 Resp: 92262

Ion Ratio Lower Upper

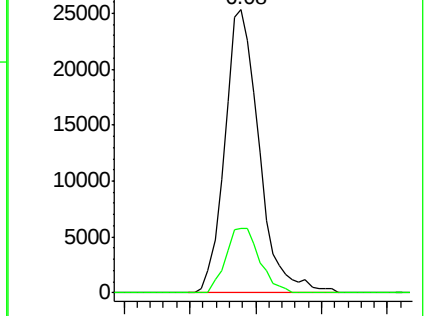
77 100

97 23.0 11.9 35.9

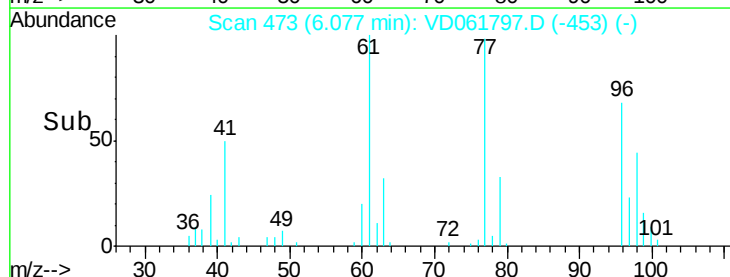


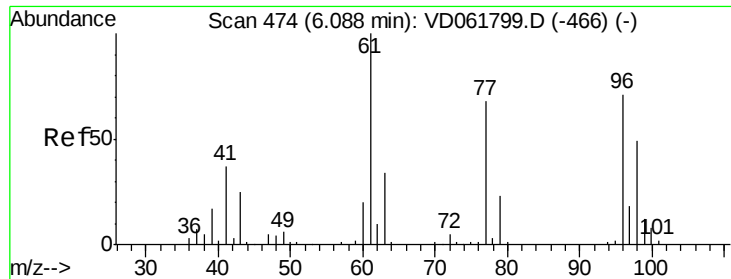
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



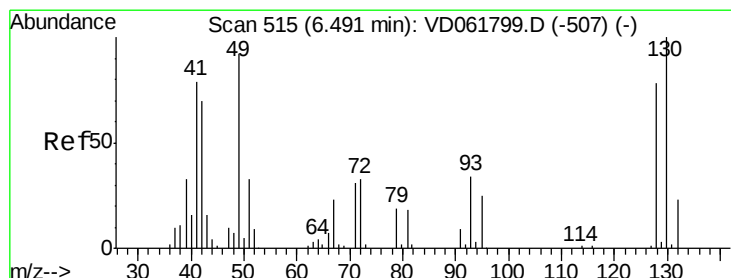
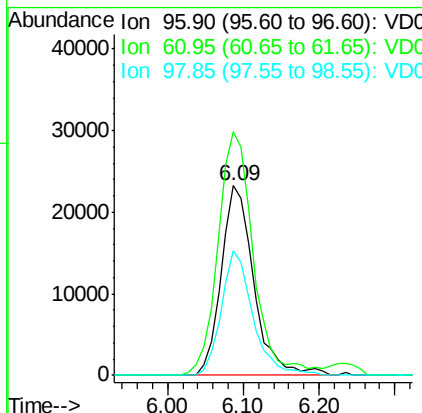
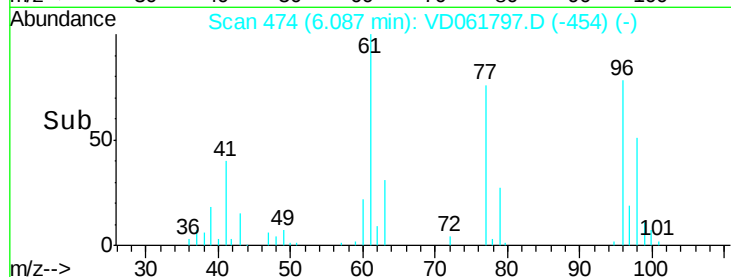
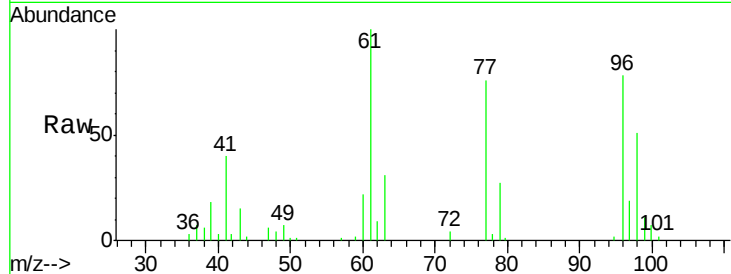


#27

cis-1,2-Dichloroethene
Concen: 10.343 ug/l
RT: 6.09 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

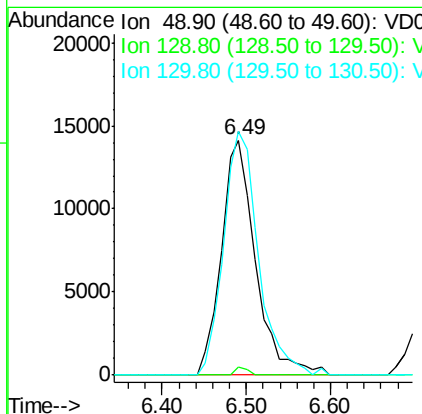
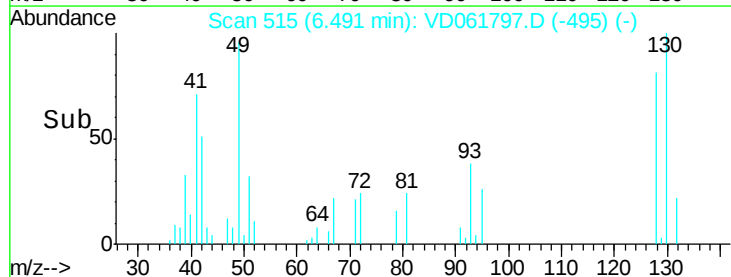
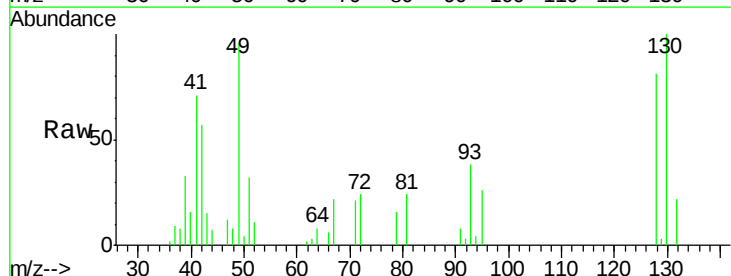
Tot Ion: 96 Resp: 69191
Ion Ratio Lower Upper
96 100
61 128.6 0.0 279.8
98 65.5 0.0 136.0

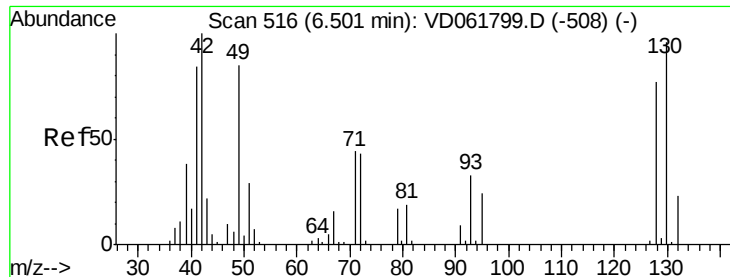


#28

Bromochloromethane
Concen: 10.587 ug/l
RT: 6.49 min Scan# 515
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 49 Resp: 39893
Ion Ratio Lower Upper
49 100
129 3.2 0.0 6.6
130 103.8 86.7 130.1

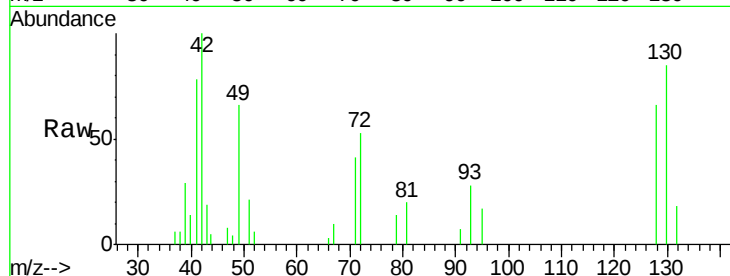




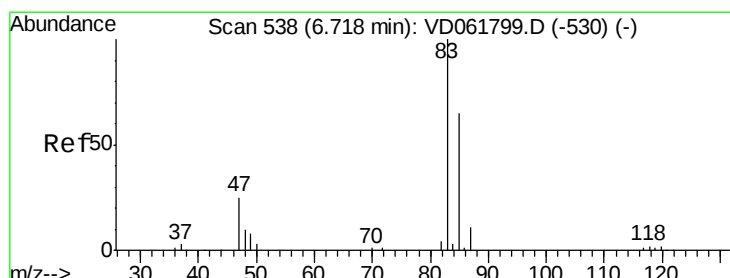
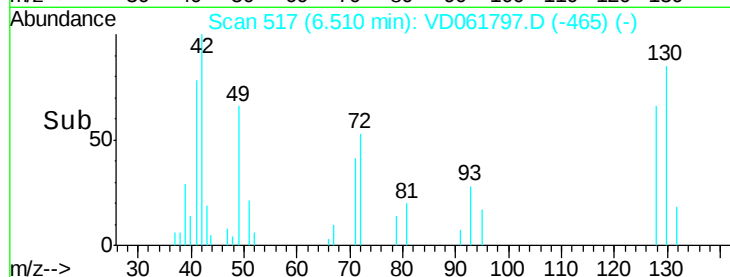
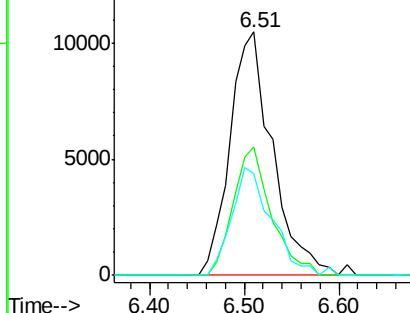
#29
Tetrahydrofuran
Concen: 47.630 ug/l
RT: 6.51 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 42 Resp: 32635
Ion Ratio Lower Upper
42 100
72 47.0 37.8 56.6
71 42.2 36.7 55.1

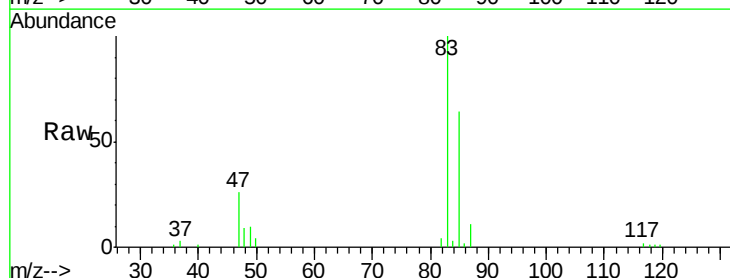


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

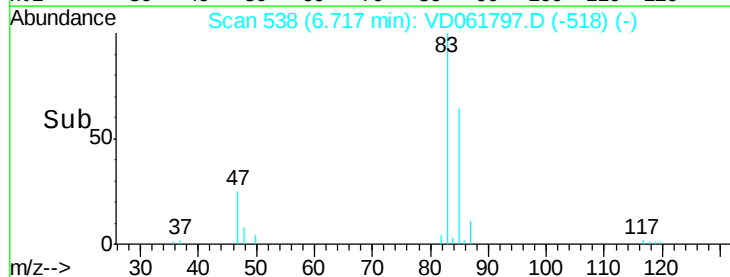
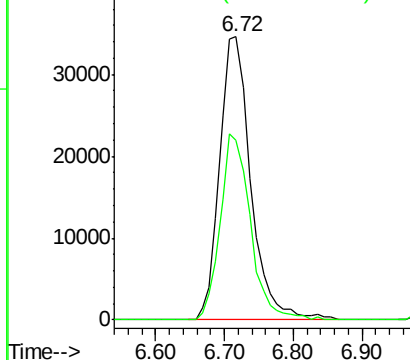


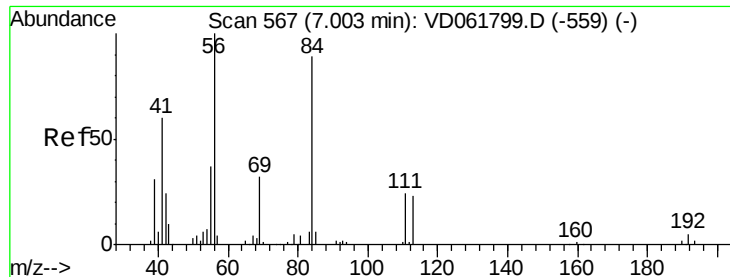
#30
Chloroform
Concen: 9.819 ug/l
RT: 6.72 min Scan# 538
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 83 Resp: 108613
Ion Ratio Lower Upper
83 100
85 63.7 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

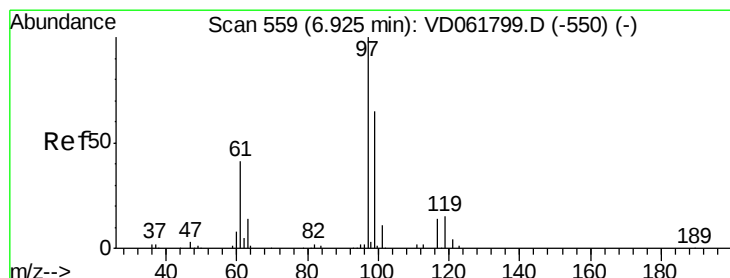
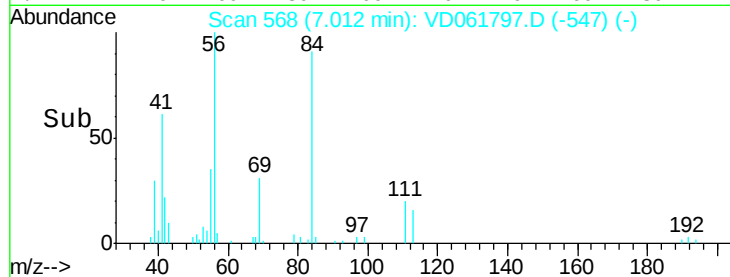
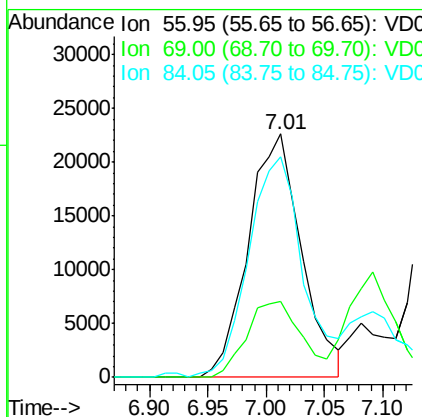
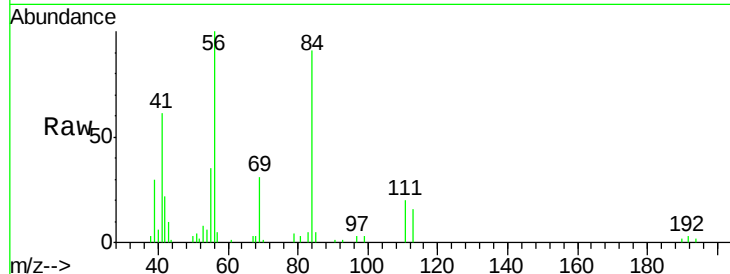




#31
Cvclohexane
Concen: 9.416 ug/l
RT: 7.01 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

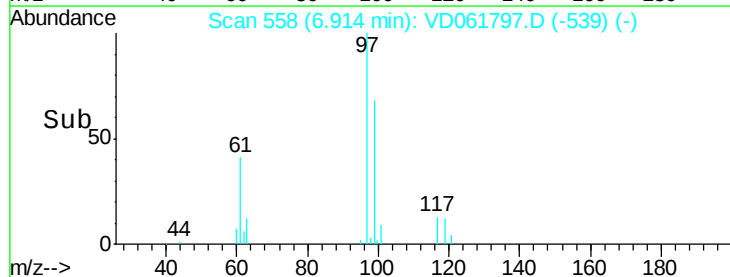
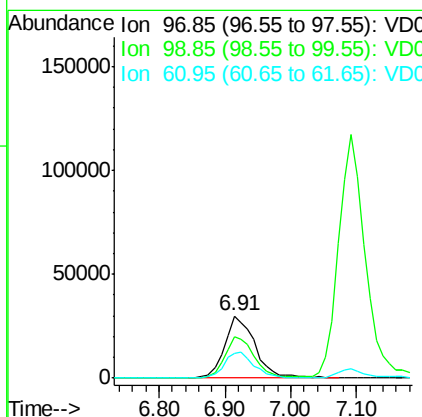
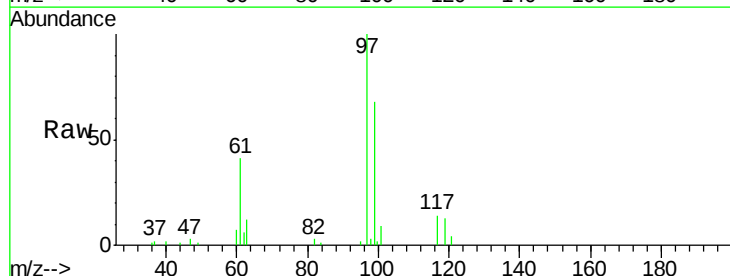
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

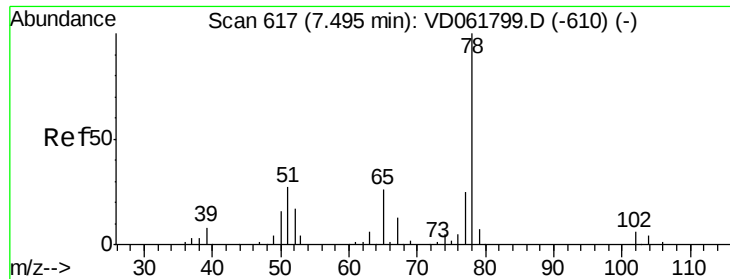
Tot Ion: 56 Resp: 71489
Ion Ratio Lower Upper
56 100
69 31.0 25.8 38.6
84 90.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 9.770 ug/l
RT: 6.91 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 97 Resp: 95802
Ion Ratio Lower Upper
97 100
99 67.5 52.2 78.2
61 40.8 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 9.770 ug/l

RT: 7.49 min Scan# 617

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

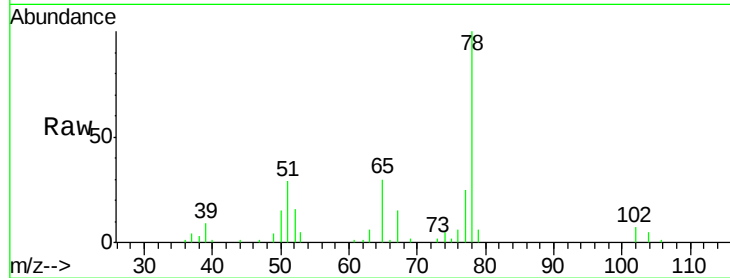
VSTDIC010

Tot Ion: 65 Resp: 49360

Ion Ratio Lower Upper

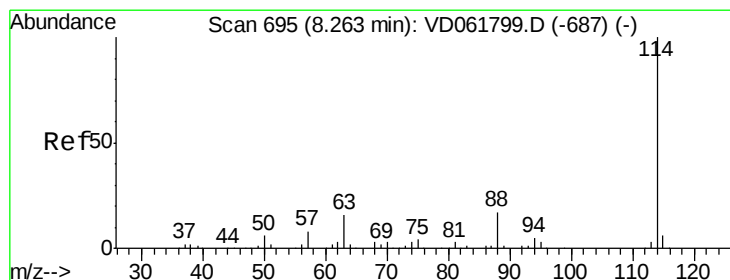
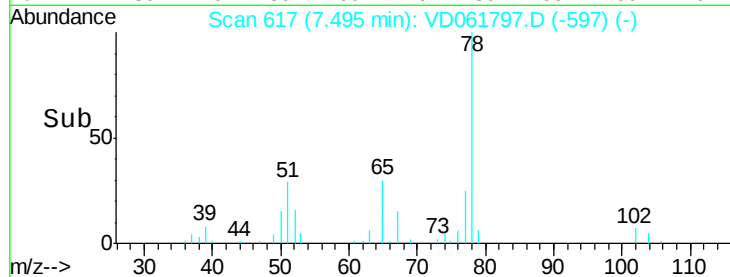
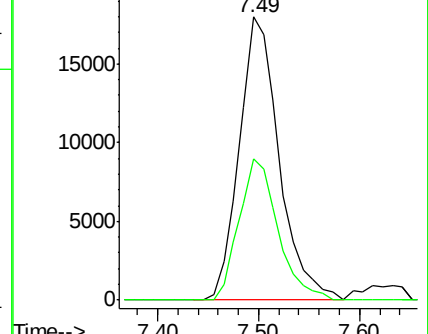
65 100

67 49.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.26 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

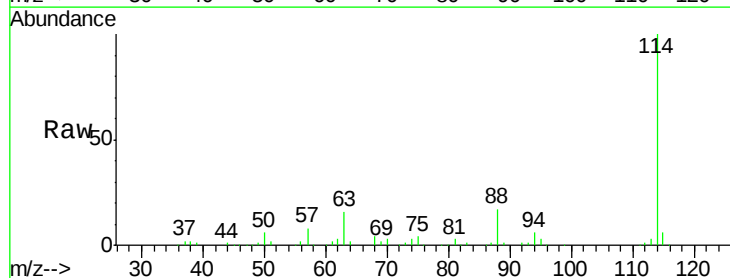
Tgt Ion: 114 Resp: 923576

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

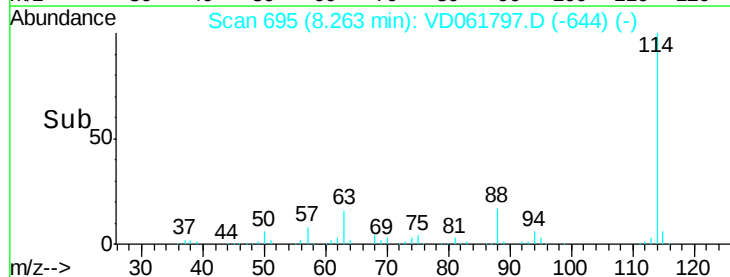
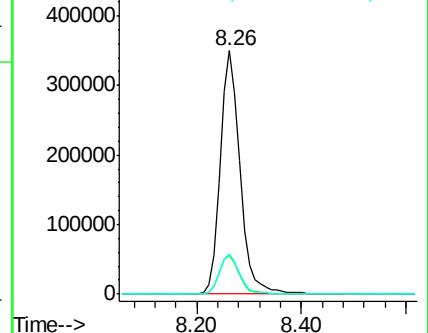
88 16.5 0.0 33.6

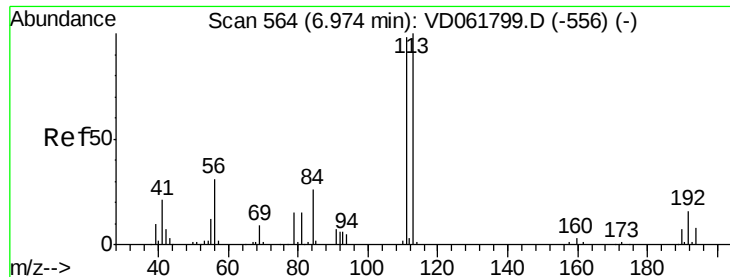


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 564

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

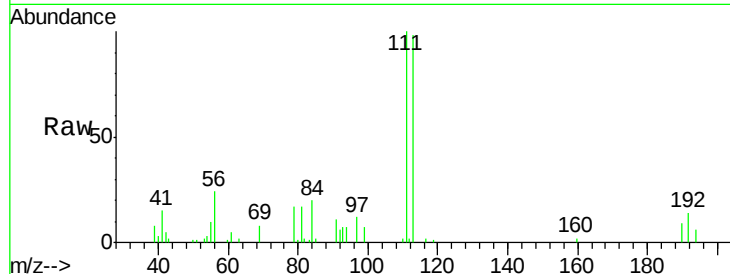
Tot Ion:113 Resp: 74342

Ion Ratio Lower Upper

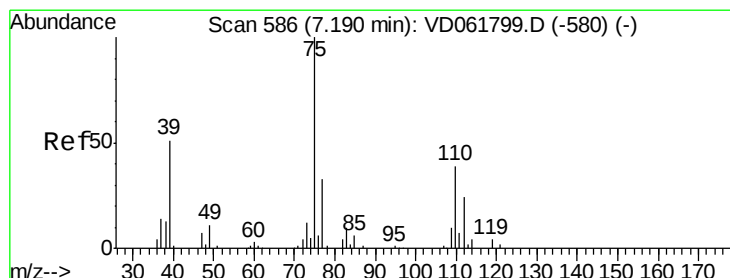
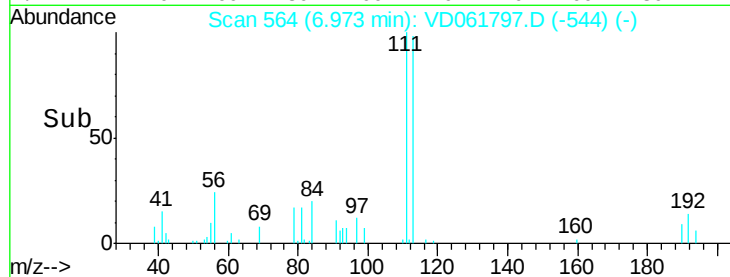
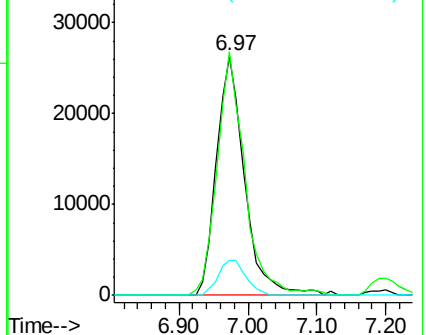
113 100

111 101.9 78.5 117.7

192 14.6 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 10.701 ug/l

RT: 7.20 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

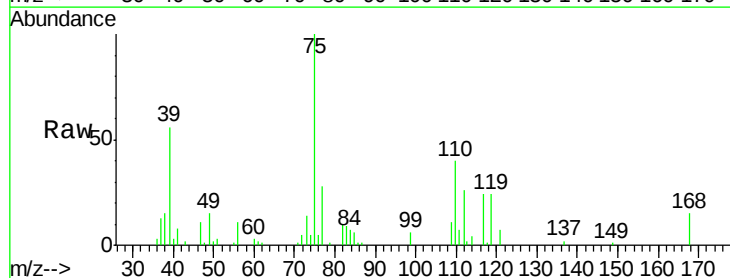
Tgt Ion: 75 Resp: 80779

Ion Ratio Lower Upper

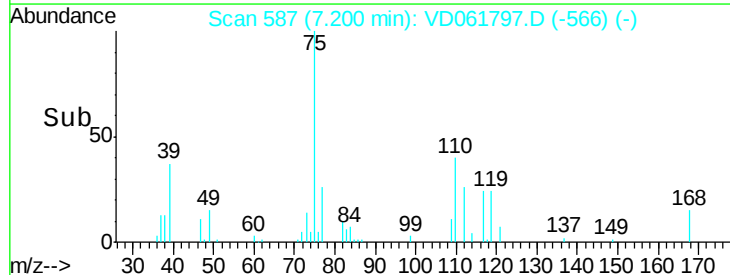
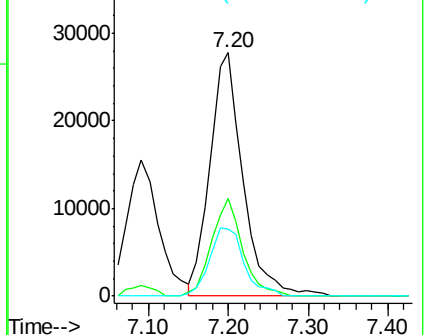
75 100

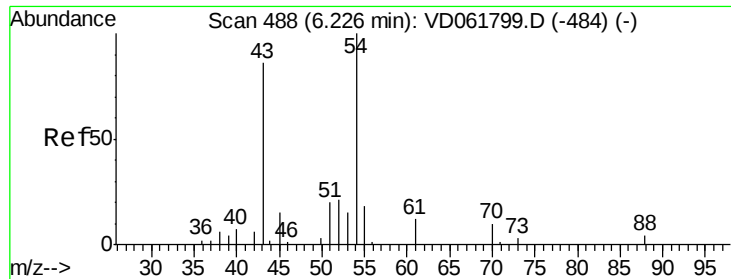
110 40.1 19.1 57.1

77 27.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

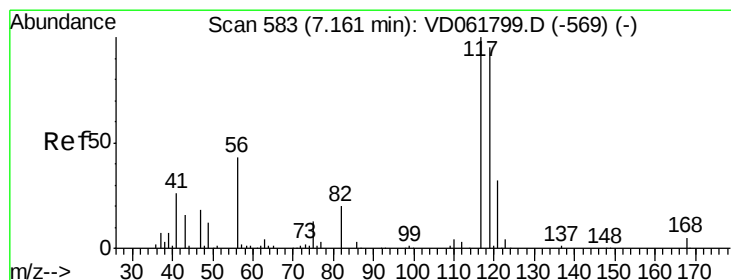
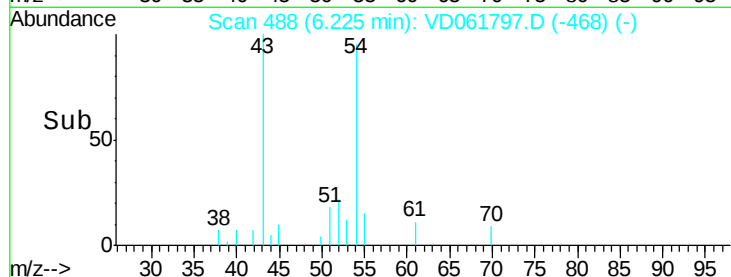
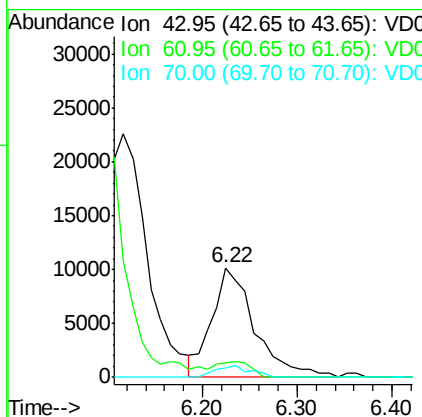
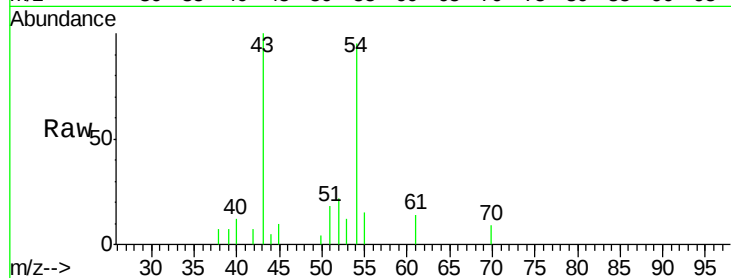




#37
Ethyl Acetate
Concen: 9.916 ug/l
RT: 6.22 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

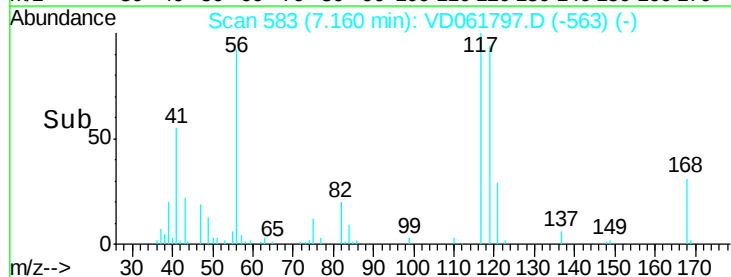
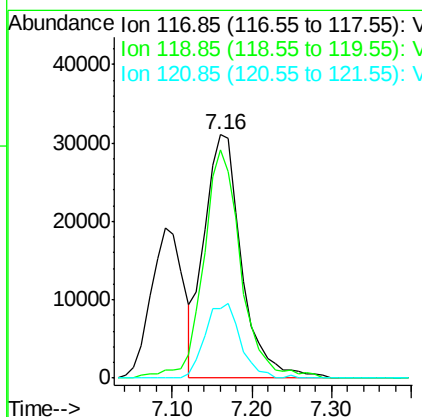
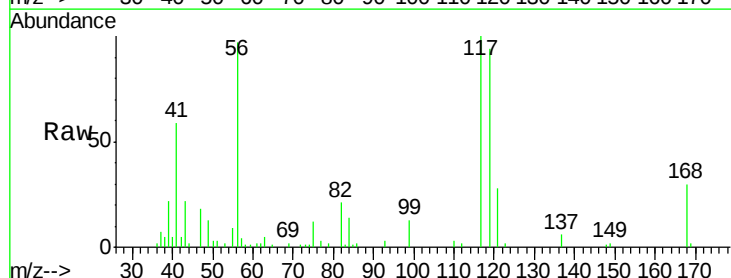
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

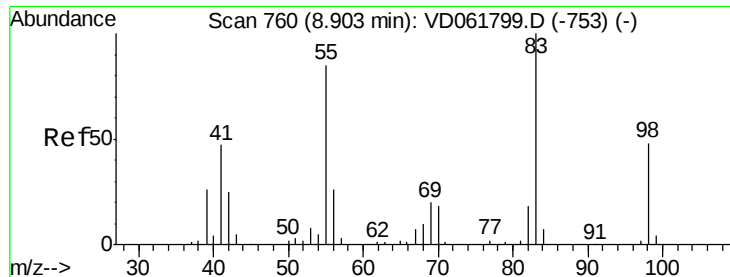
Tot Ion: 43 Resp: 32030
Ion Ratio Lower Upper
43 100
61 13.8 14.7 22.1#
70 9.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 10.331 ug/l
RT: 7.16 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 117 Resp: 101509
Ion Ratio Lower Upper
117 100
119 93.8 75.8 113.8
121 28.3 25.9 38.9

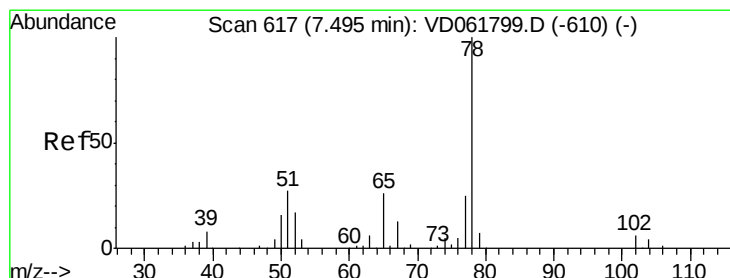
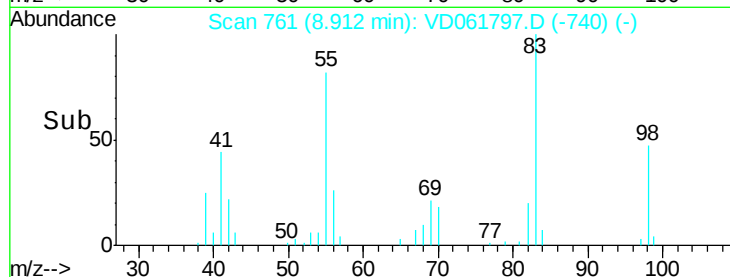
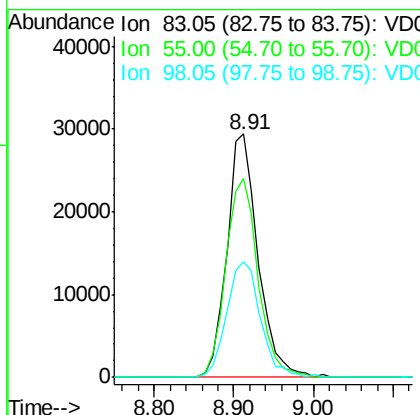
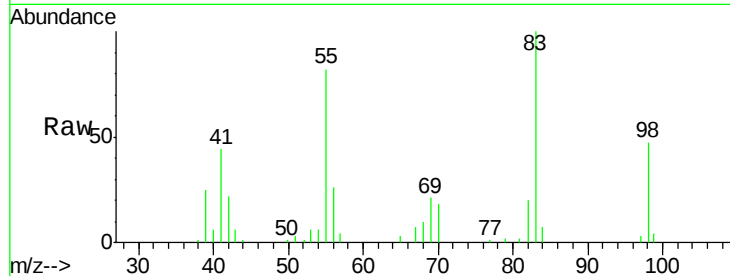




#39
Methvlcvclohexane
Concen: 10.264 ug/l
RT: 8.91 min Scan# 761
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

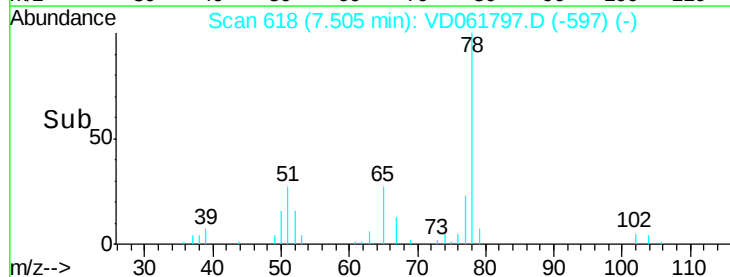
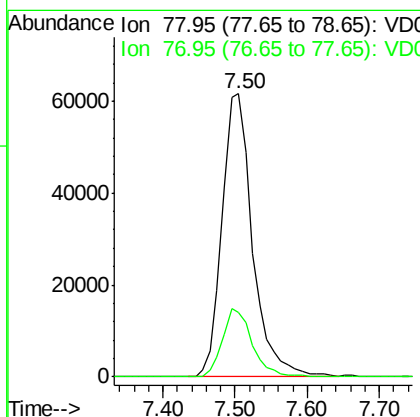
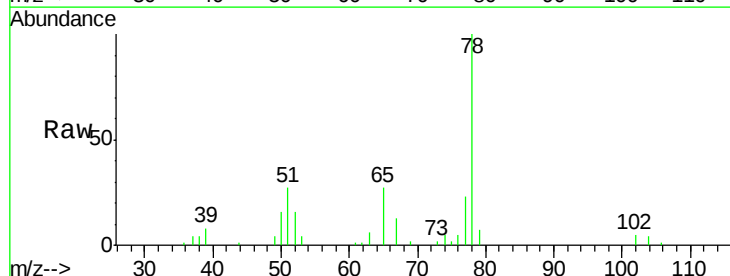
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

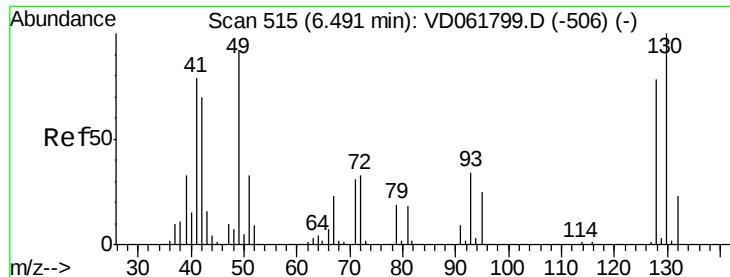
Tot Ion: 83 Resp: 80444
Ion Ratio Lower Upper
83 100
55 81.7 68.2 102.4
98 47.3 38.2 57.4



#40
Benzene
Concen: 9.977 ug/l
RT: 7.50 min Scan# 618
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 78 Resp: 180799
Ion Ratio Lower Upper
78 100
77 22.9 19.7 29.5





#41

Methacrylonitrile

Concen: 10.201 ug/l

RT: 6.49 min Scan# 515

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 38945

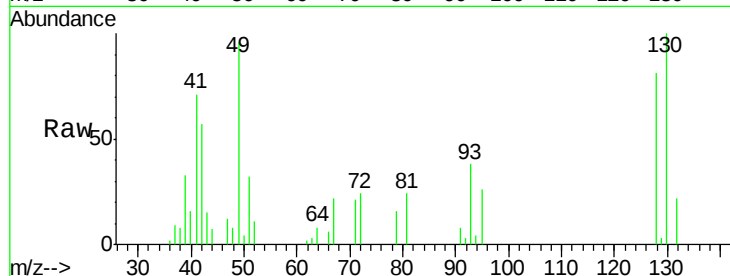
Ion Ratio Lower Upper

41 100

39 46.5 34.1 51.1

67 31.4 23.8 35.6

52 14.9 8.8 13.2#

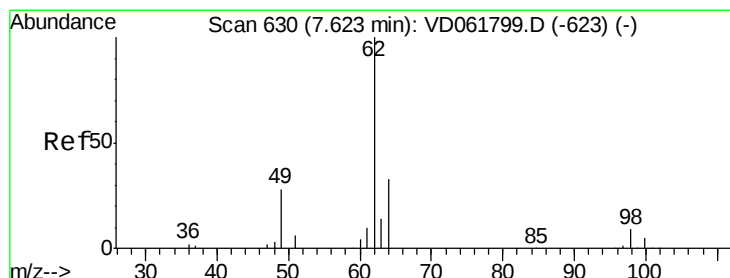
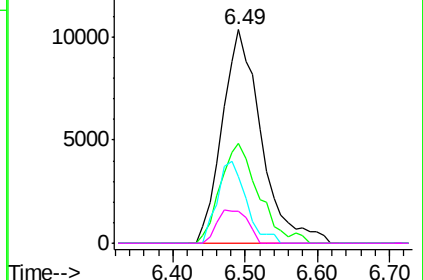
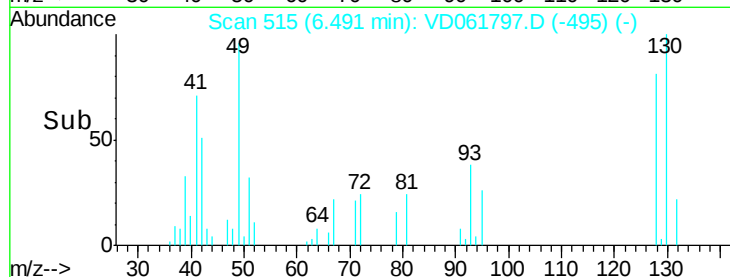


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 10.516 ug/l

RT: 7.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VD061797.D

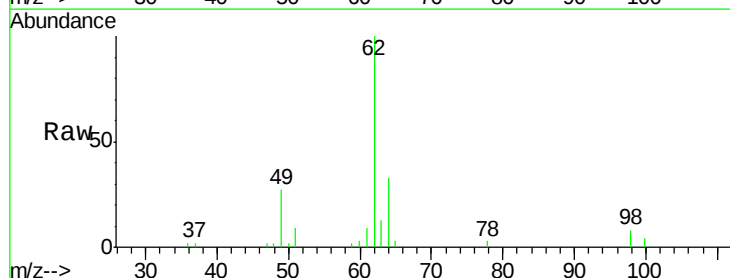
Acq: 15 Apr 2019 13:14

Tgt Ion: 62 Resp: 66357

Ion Ratio Lower Upper

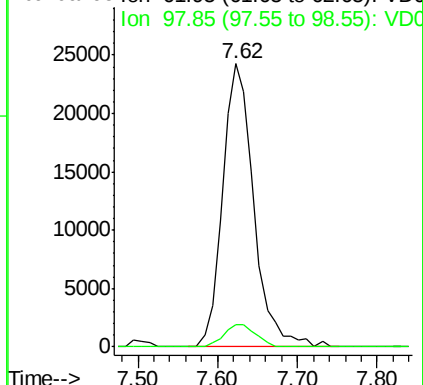
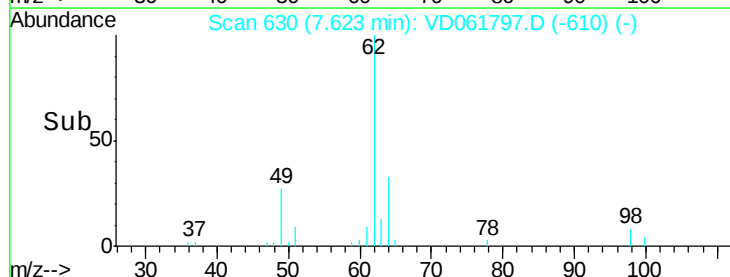
62 100

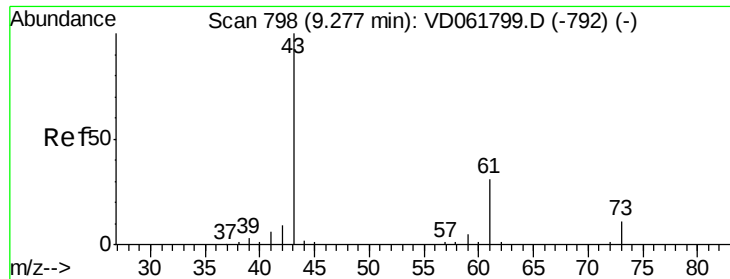
98 7.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.871 ug/l

RT: 9.28 min Scan# 798

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

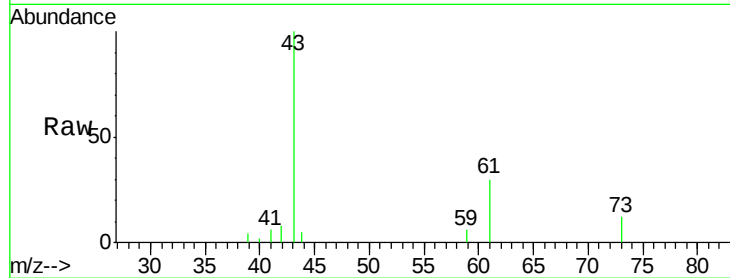
Tot Ion: 43 Resp: 44870

Ion Ratio Lower Upper

43 100

61 30.2 25.1 37.7

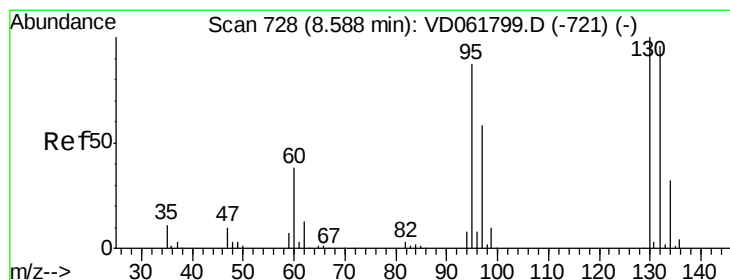
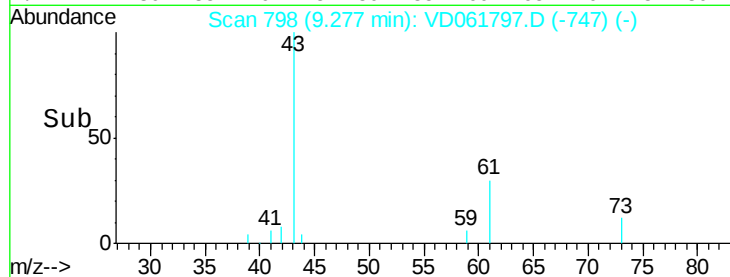
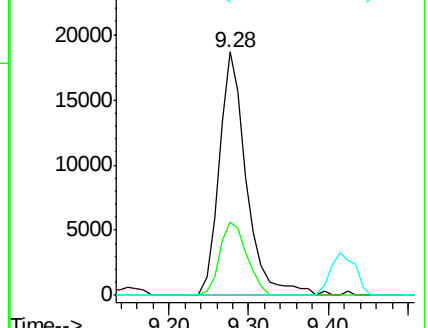
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 10.370 ug/l

RT: 8.59 min Scan# 728

Delta R.T. -0.00 min

Lab File: VD061797.D

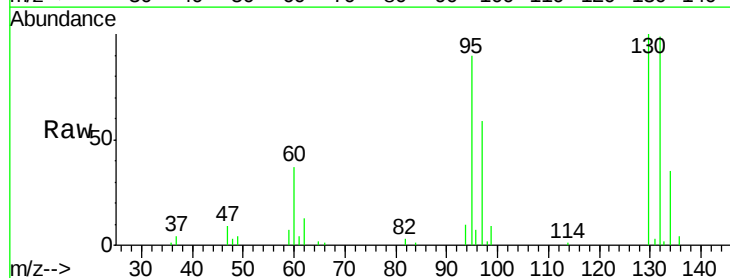
Acq: 15 Apr 2019 13:14

Tgt Ion: 130 Resp: 72331

Ion Ratio Lower Upper

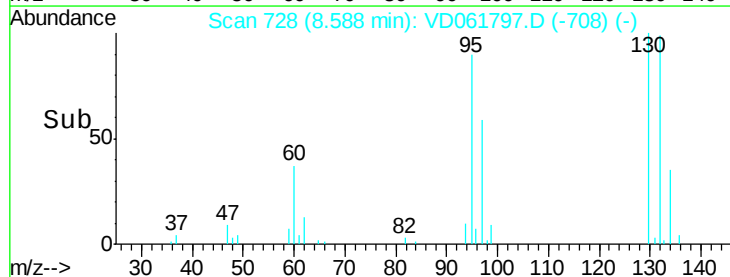
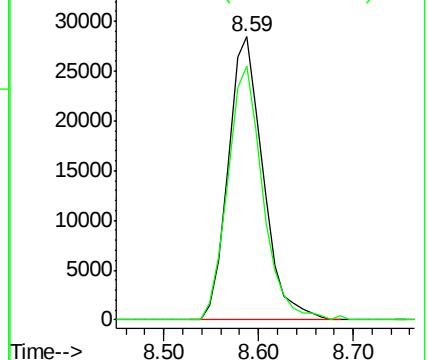
130 100

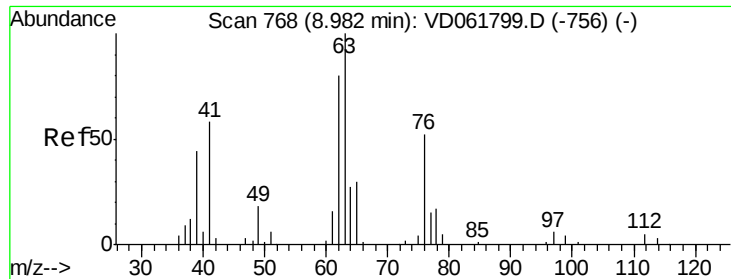
95 89.9 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 9.966 ug/l

RT: 8.98 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

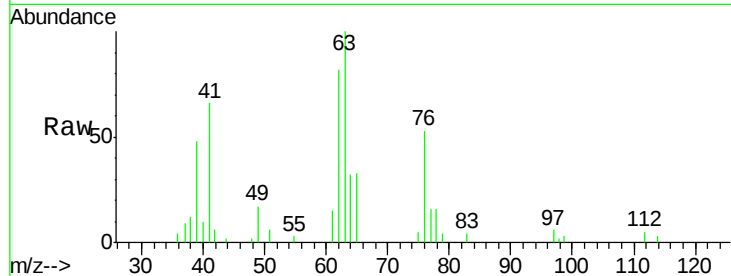
VSTDIC010

Tot Ion: 63 Resp: 47033

Ion Ratio Lower Upper

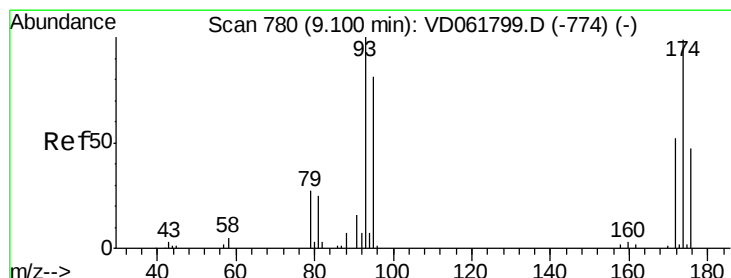
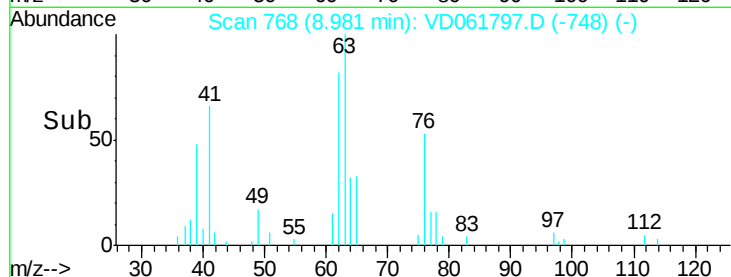
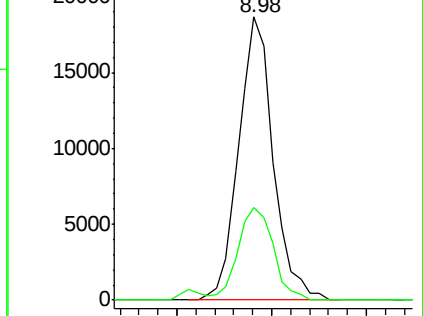
63 100

65 32.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 9.685 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

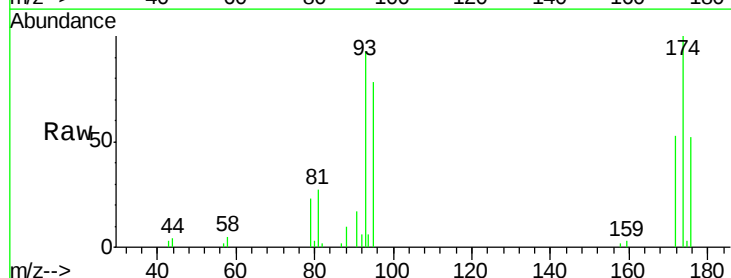
Tgt Ion: 93 Resp: 32570

Ion Ratio Lower Upper

93 100

95 84.1 64.8 97.2

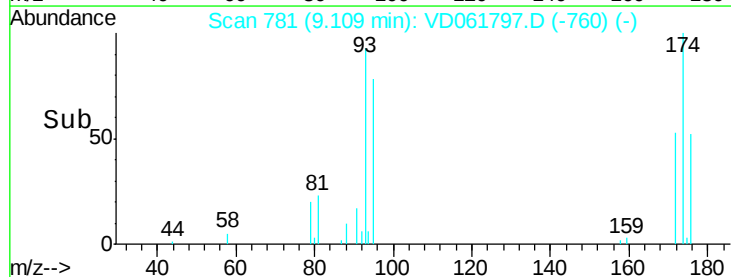
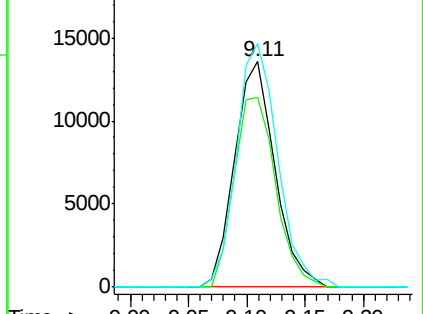
174 108.0 79.3 118.9

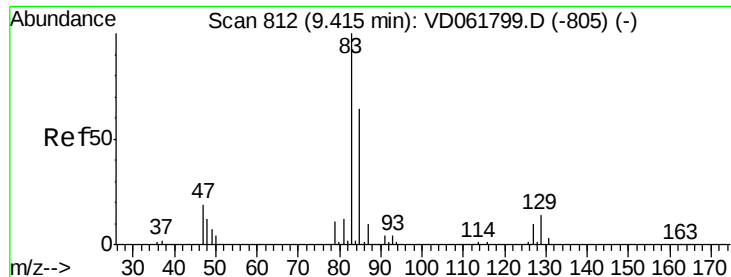


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 9.362 ug/l

RT: 9.41 min Scan# 812

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

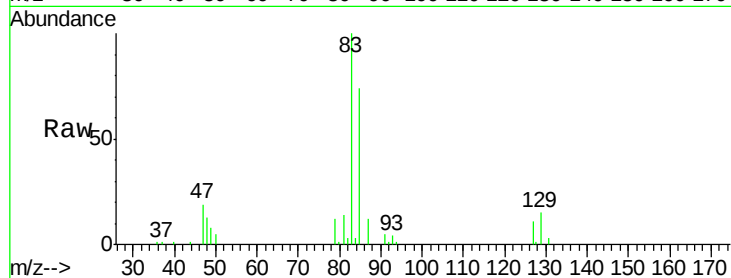
Tot Ion: 83 Resp: 72633

Ion Ratio Lower Upper

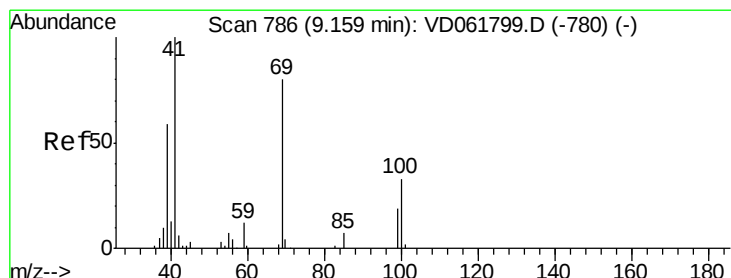
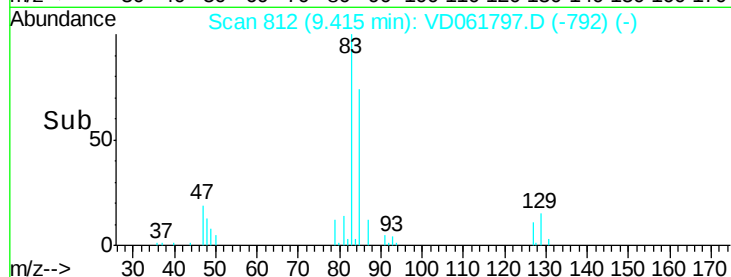
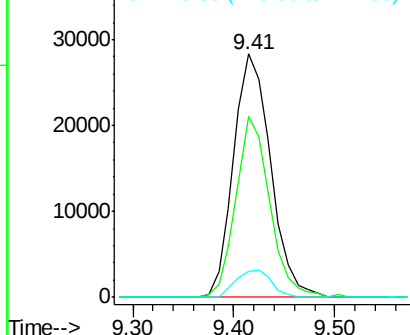
83 100

85 74.3 50.9 76.3

127 10.7 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 9.334 ug/l

RT: 9.16 min Scan# 786

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

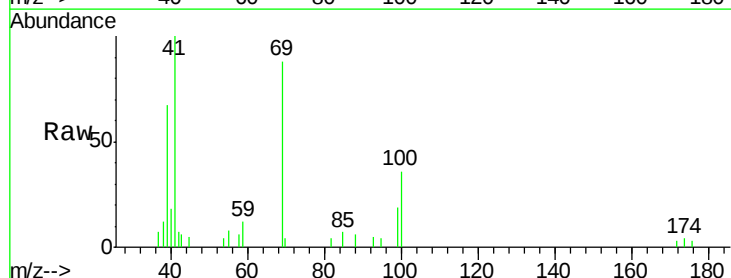
Tgt Ion: 41 Resp: 24940

Ion Ratio Lower Upper

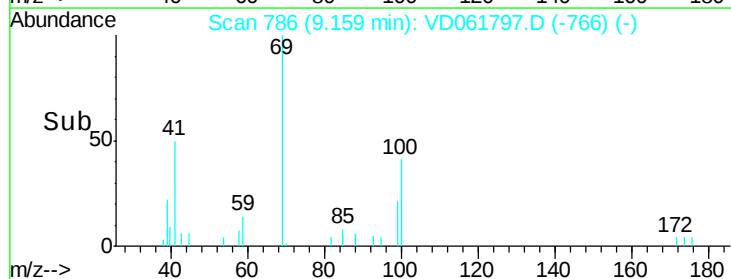
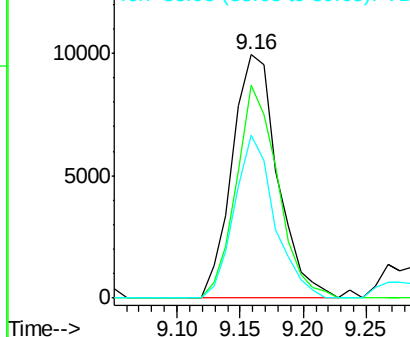
41 100

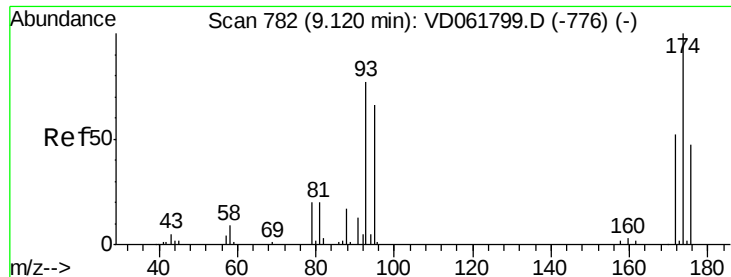
69 87.5 64.2 96.2

39 67.2 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

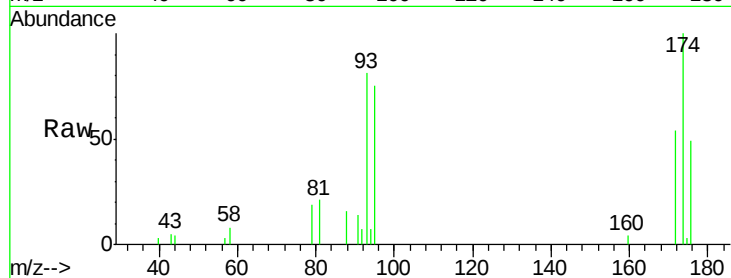




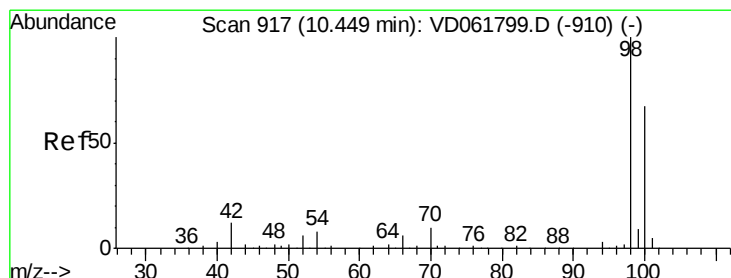
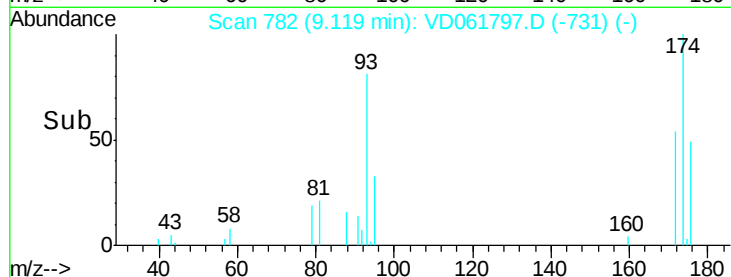
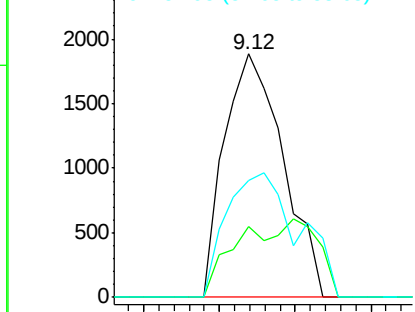
#49
1,4-Dioxane
Concen: 174.255 ug/l
RT: 9.12 min Scan# 782
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 5089
Ion Ratio Lower Upper
88 100
43 29.1 23.4 35.0
58 47.8 44.0 66.0

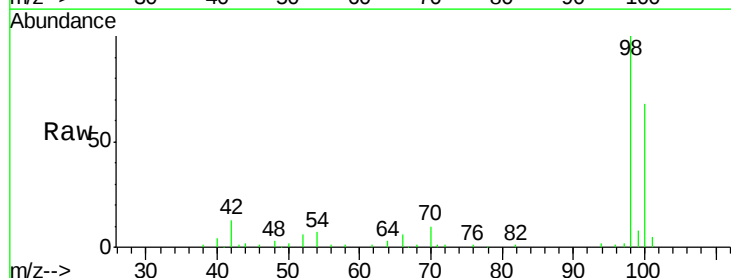


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

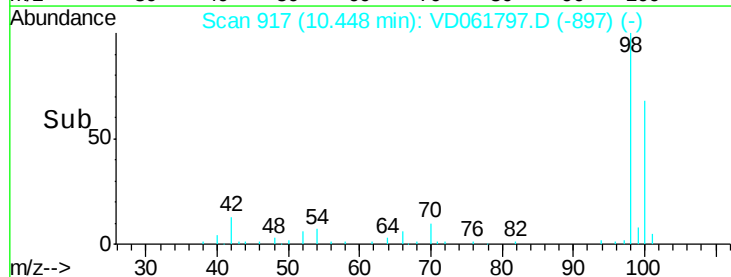
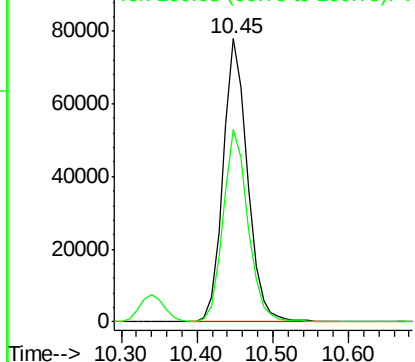


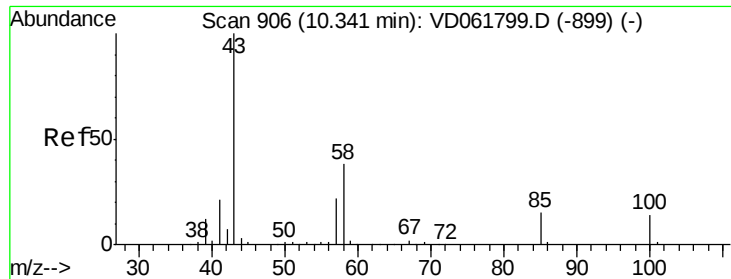
#50
Toluene-d8
Concen: 174.255 ug/l
RT: 10.45 min Scan# 917
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 98 Resp: 173479
Ion Ratio Lower Upper
98 100
100 68.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 48.321 ug/l

RT: 10.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleID :

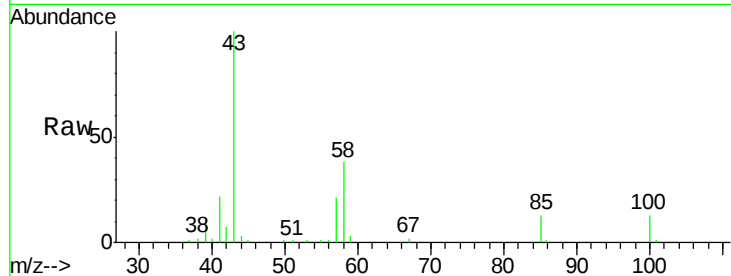
VSTDIC010

Tot Ion: 43 Resp: 134320

Ion Ratio Lower Upper

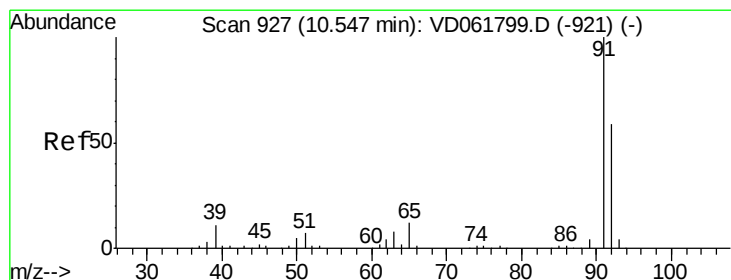
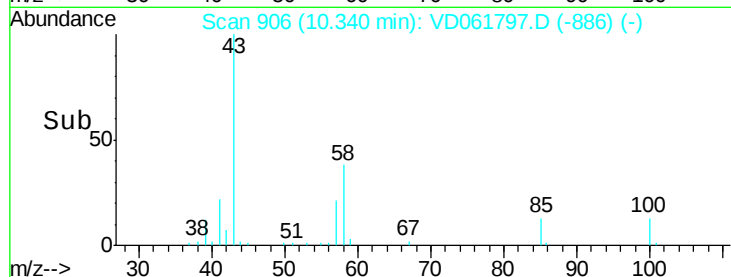
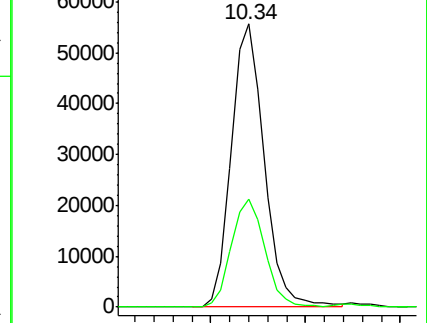
43 100

58 38.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.756 ug/l

RT: 10.55 min Scan# 927

Delta R.T. -0.00 min

Lab File: VD061797.D

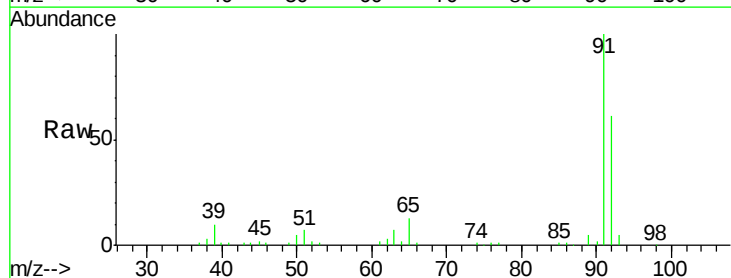
Acq: 15 Apr 2019 13:14

Tgt Ion: 92 Resp: 124891

Ion Ratio Lower Upper

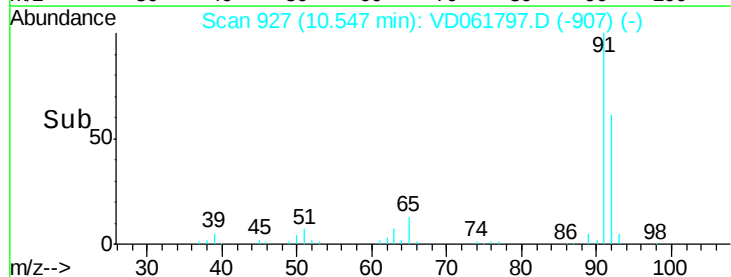
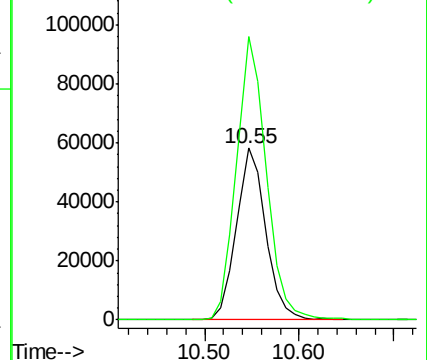
92 100

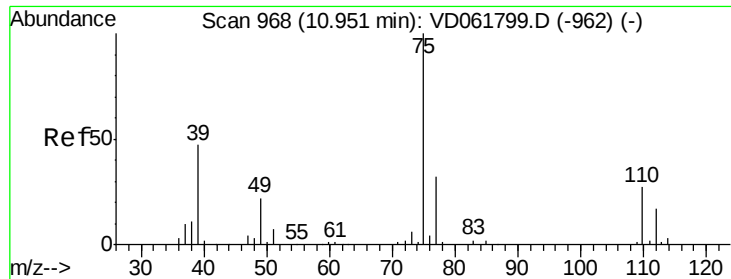
91 165.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

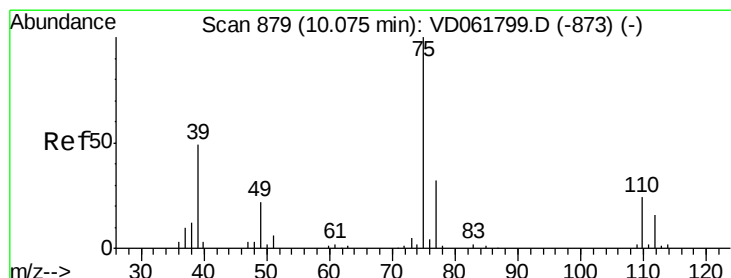
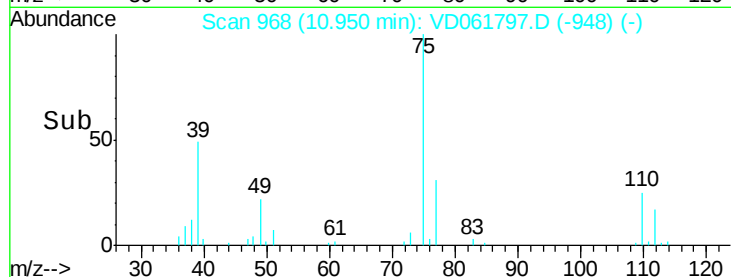
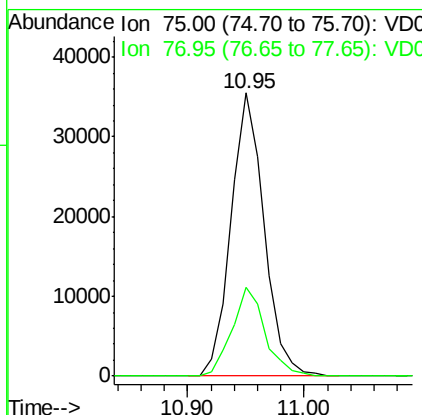
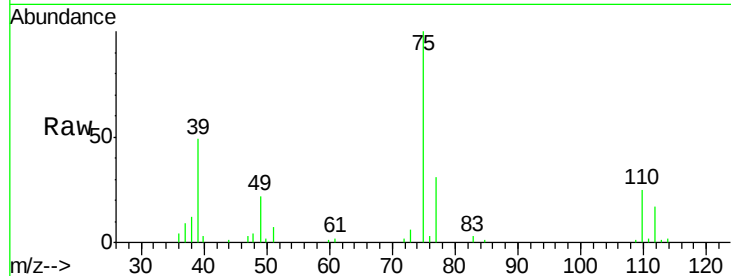




#53
 t-1,3-Dichloropropene
 Concen: 9.972 ug/l
 RT: 10.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

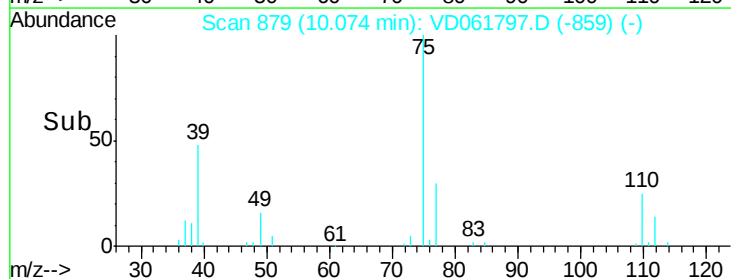
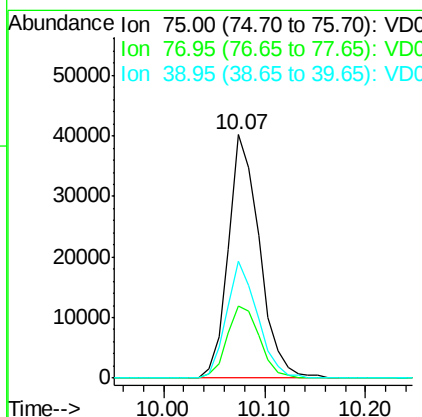
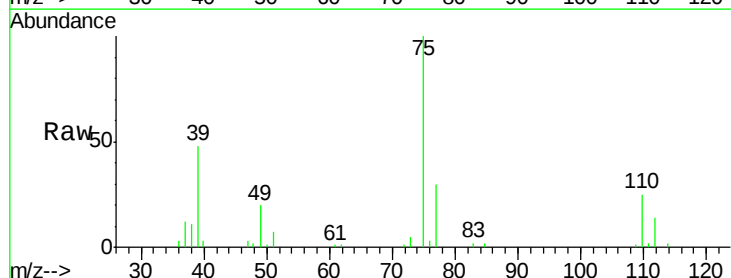
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

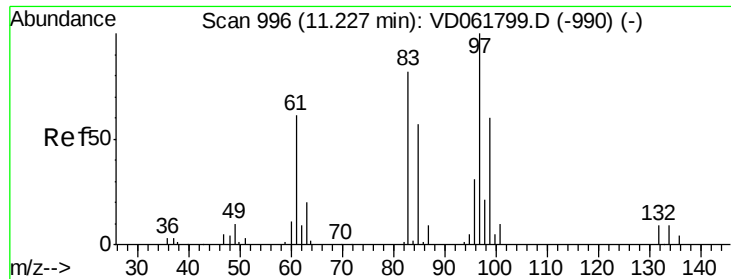
Tot Ion: 75 Resp: 69712
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 10.517 ug/l
 RT: 10.07 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion: 75 Resp: 86305
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.5 38.3
 39 48.1 39.4 59.2

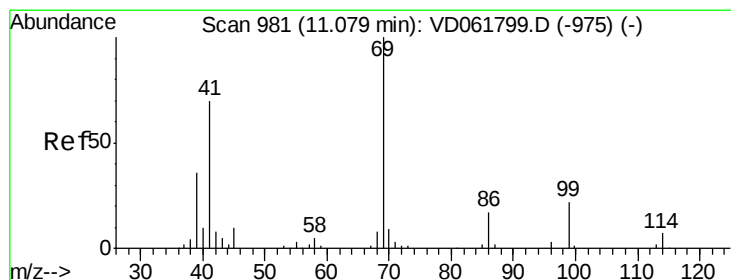
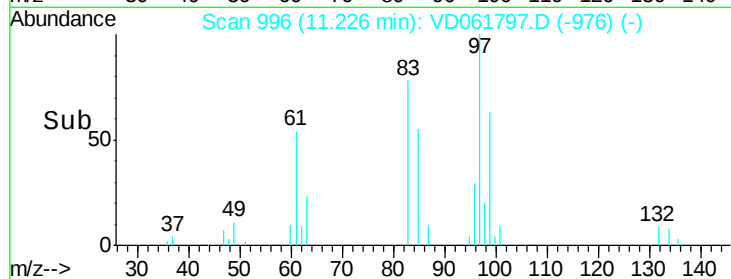
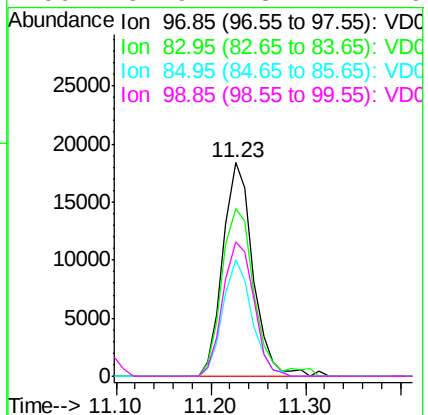
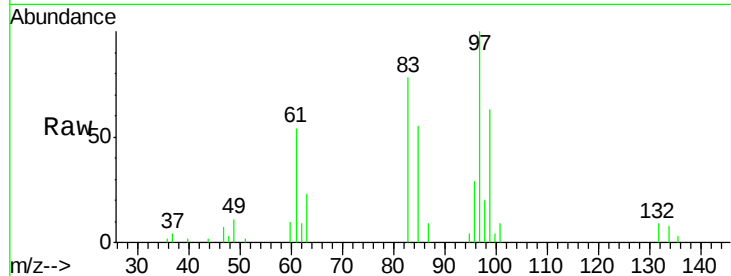




#55
 1,1,2-Trichloroethane
 Concen: 10.407 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

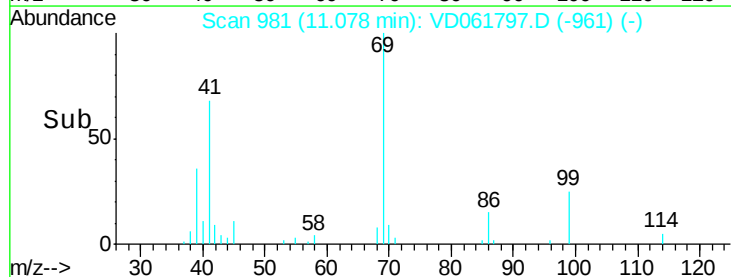
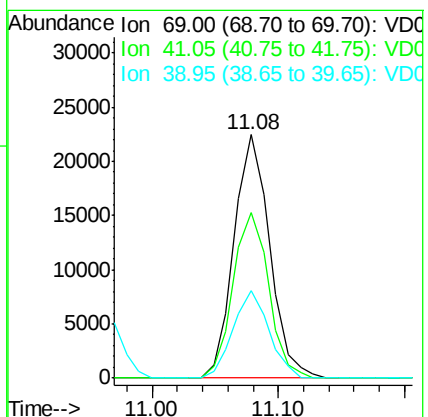
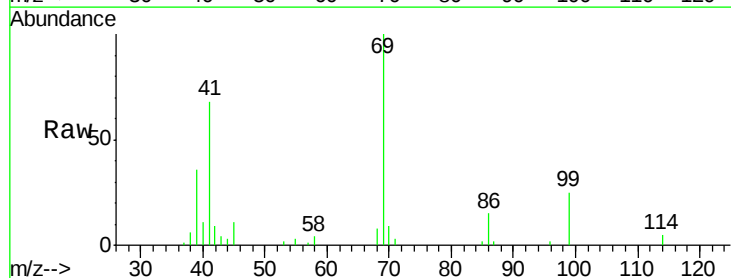
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

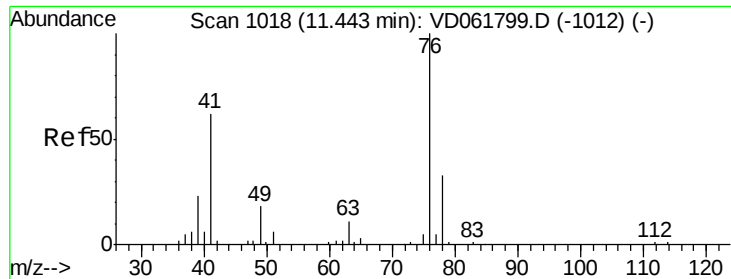
Tot Ion:	97	Resp:	40717
Ion	Ratio	Lower	Upper
97	100		
83	78.3	65.7	98.5
85	54.6	45.6	68.4
99	62.9	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 10.227 ug/l
 RT: 11.08 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion:	69	Resp:	43918
Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.3	84.5
39	35.9	29.4	44.2

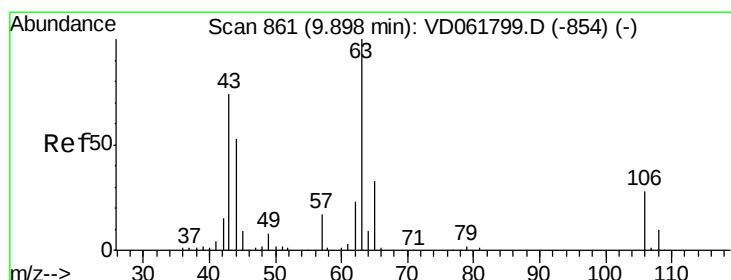
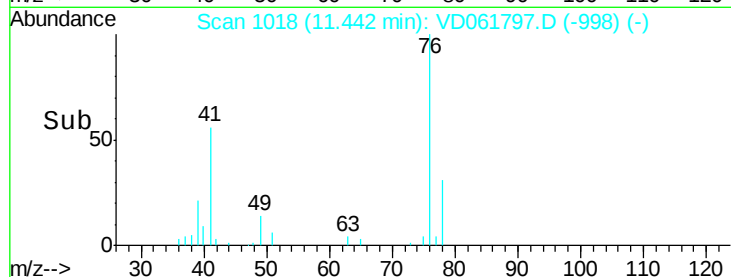
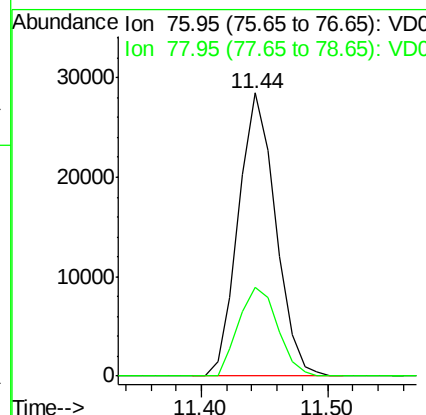
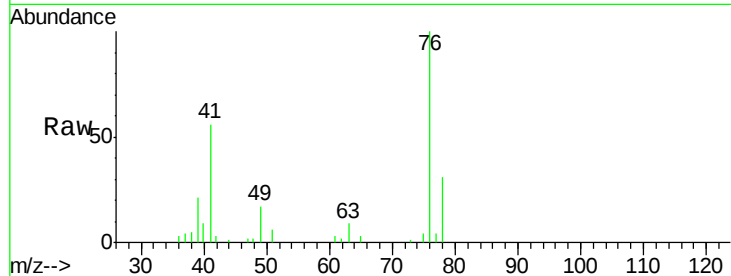




#57
 1,3-Dichloropropane
 Concen: 9.863 ug/l
 RT: 11.44 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

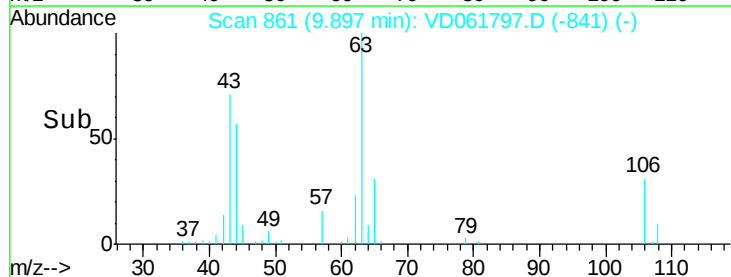
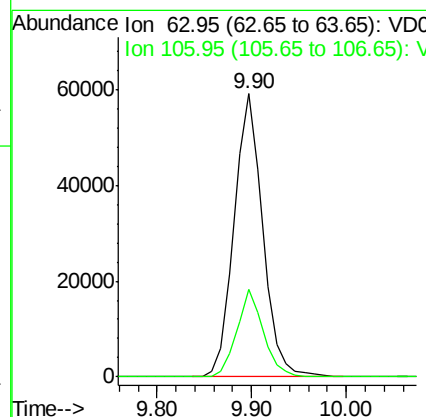
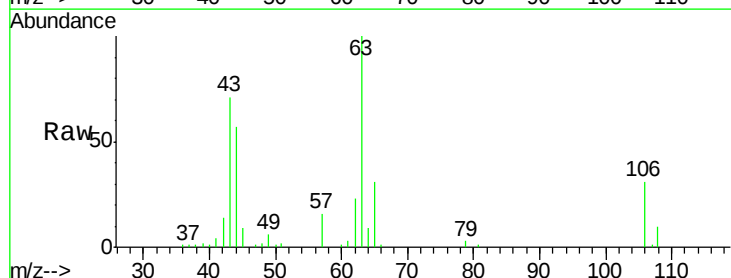
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

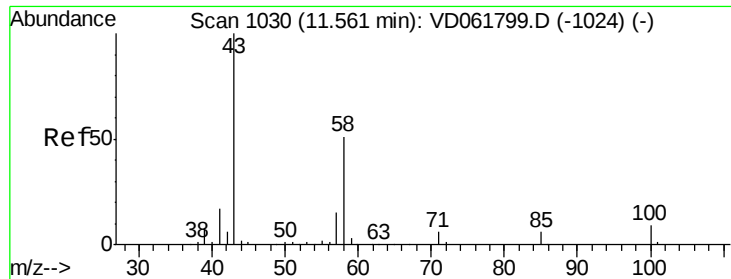
Tot Ion: 76 Resp: 58016
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 60.490 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion: 63 Resp: 123549
 Ion Ratio Lower Upper
 63 100
 106 30.9 22.6 34.0

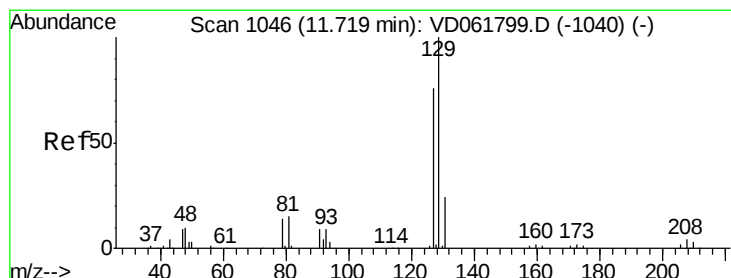
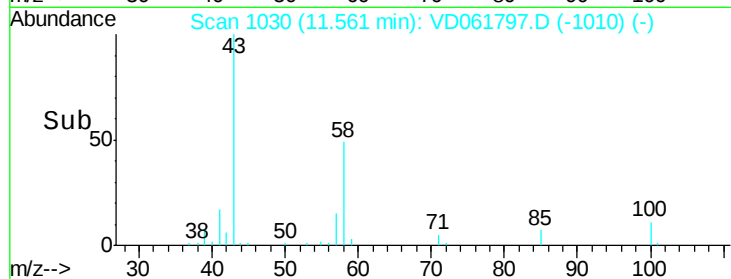
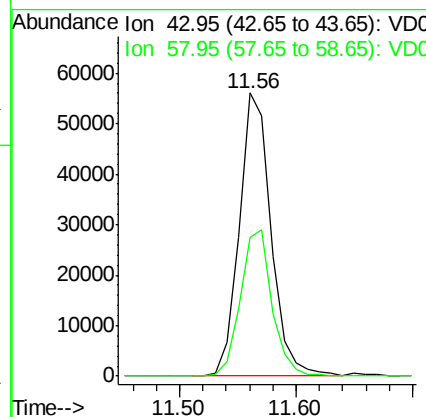
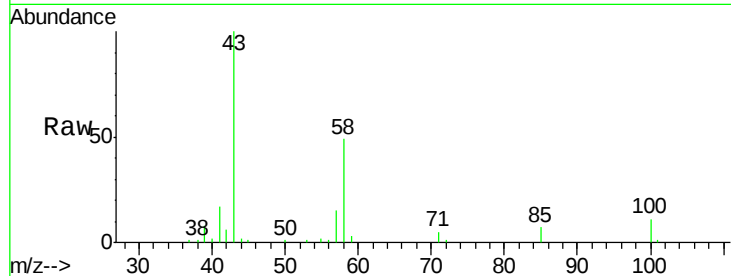




#59
2-Hexanone
Concen: 51.045 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

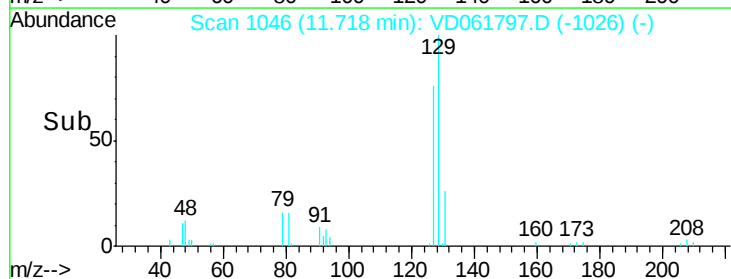
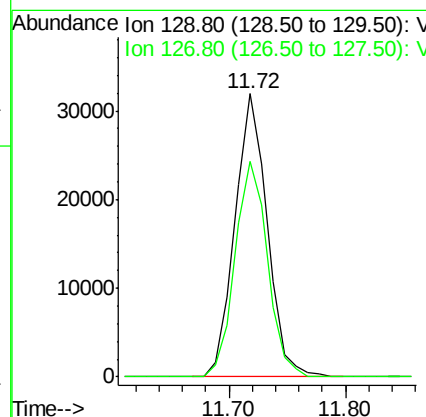
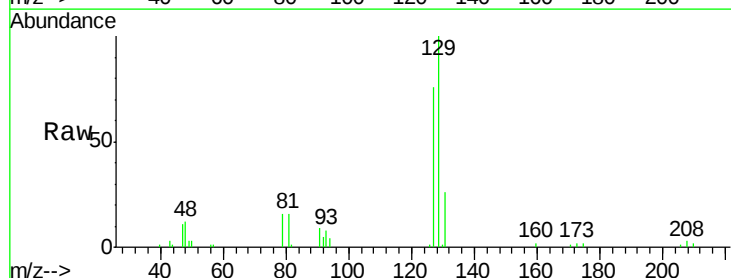
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

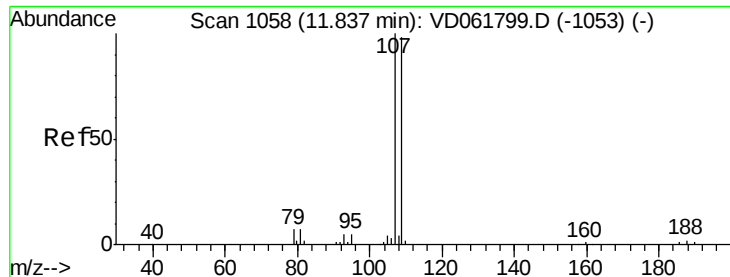
Tot Ion: 43 Resp: 105386
Ion Ratio Lower Upper
43 100
58 48.9 25.4 76.4



#60
Dibromochloromethane
Concen: 9.573 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 129 Resp: 61286
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9

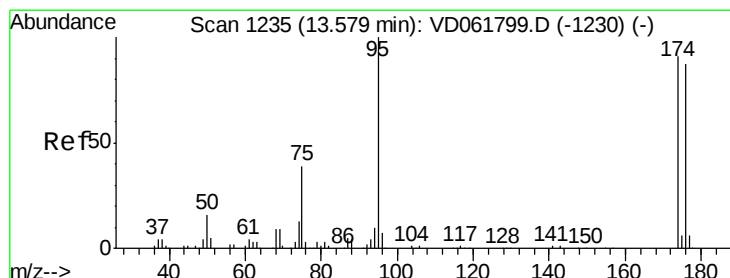
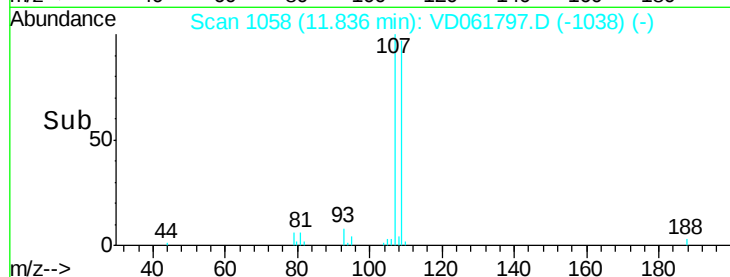
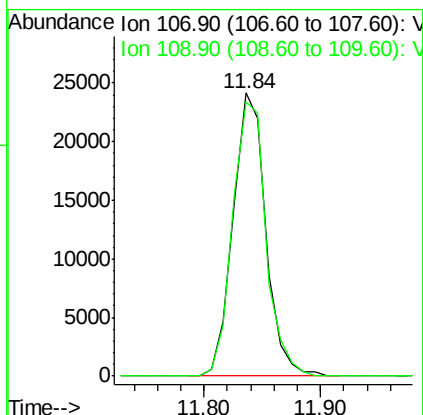
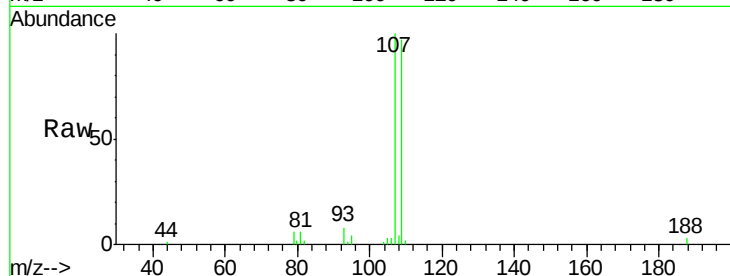




#61
1,2-Dibromoethane
Concen: 9.737 ug/l
RT: 11.84 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

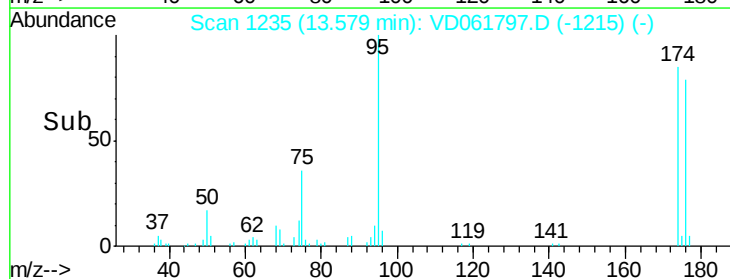
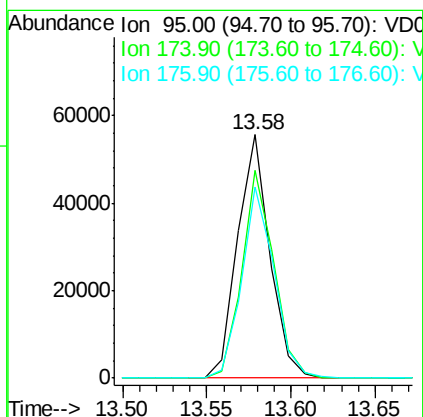
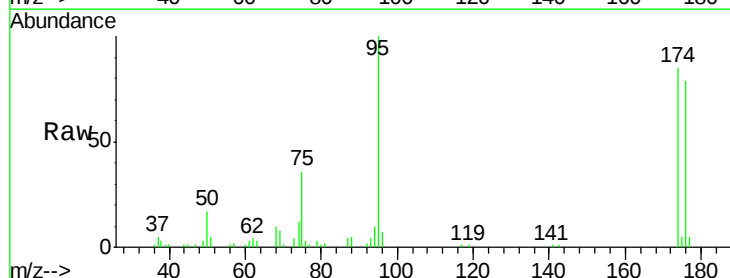
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

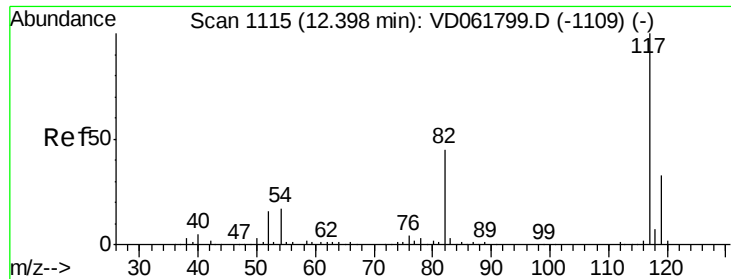
Tot Ion:107 Resp: 46843
Ion Ratio Lower Upper
107 100
109 97.0 78.3 117.5



#62
4-Bromofluorobenzene
Concen: 9.737 ug/l
RT: 13.58 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 95 Resp: 73442
Ion Ratio Lower Upper
95 100
174 85.3 0.0 181.8
176 78.5 0.0 174.4

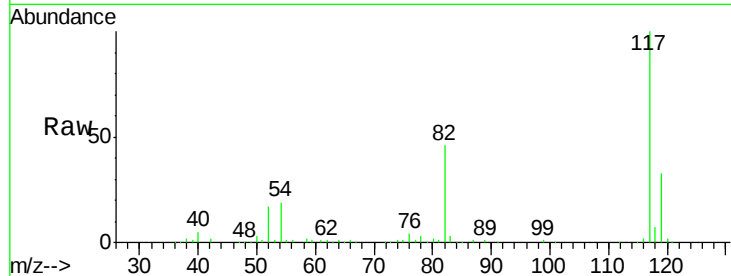




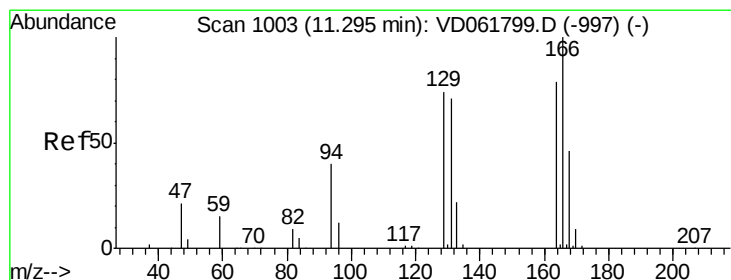
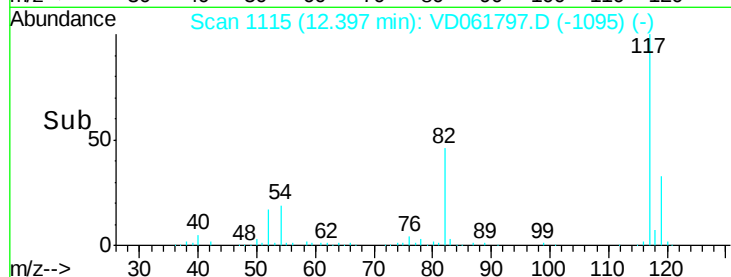
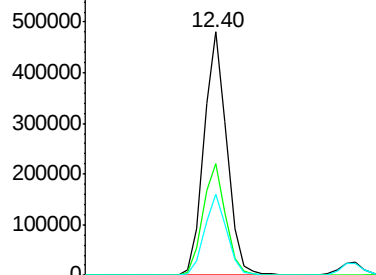
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 802233
Ion Ratio Lower Upper
117 100
82 46.1 36.2 54.2
119 33.2 26.2 39.4

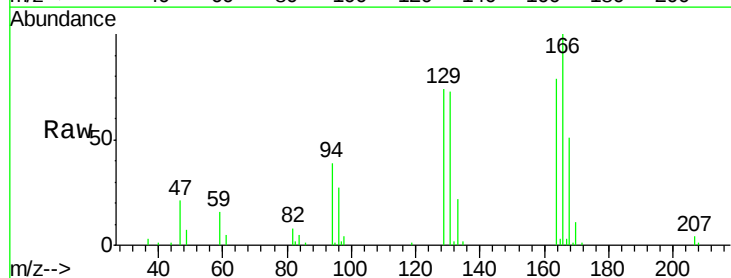


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

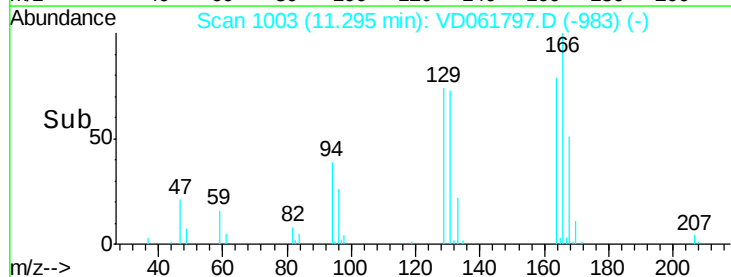
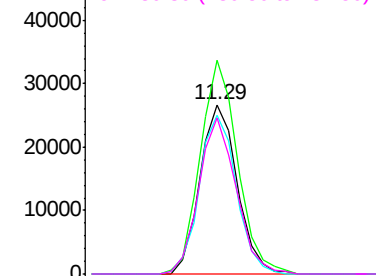


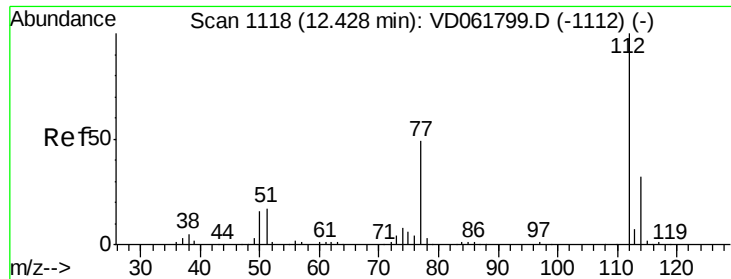
#64
Tetrachloroethene
Concen: 9.829 ug/l
RT: 11.29 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion:164 Resp: 59134
Ion Ratio Lower Upper
164 100
166 126.4 101.5 152.3
129 94.1 74.6 112.0
131 92.7 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

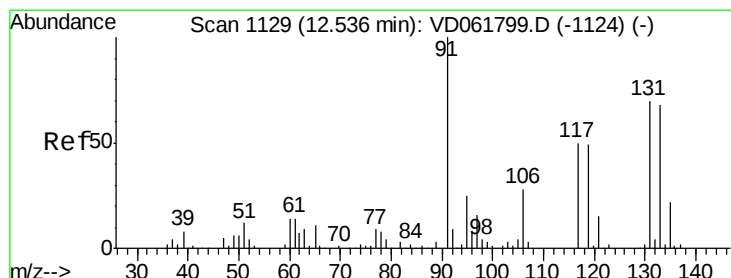
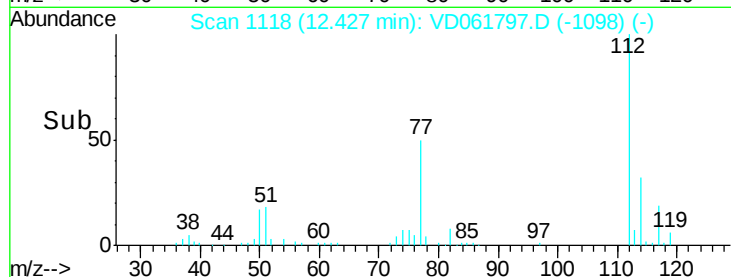
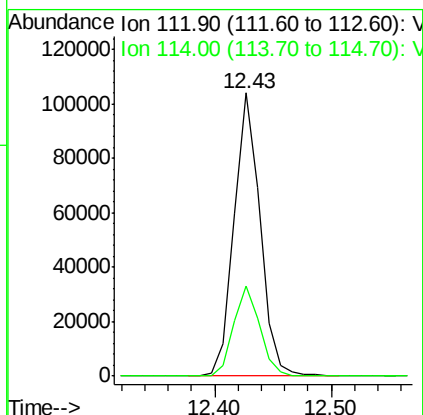
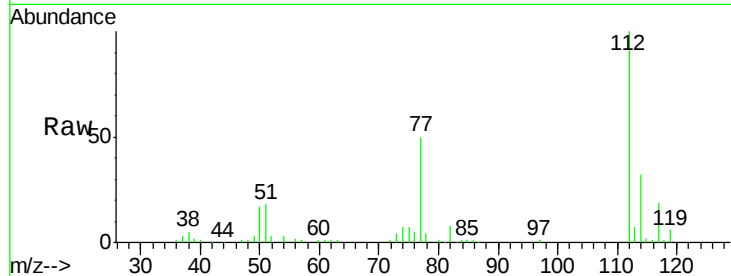




#65
Chlorobenzene
Concen: 10.789 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

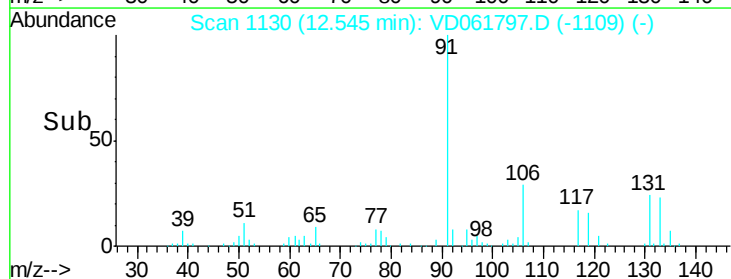
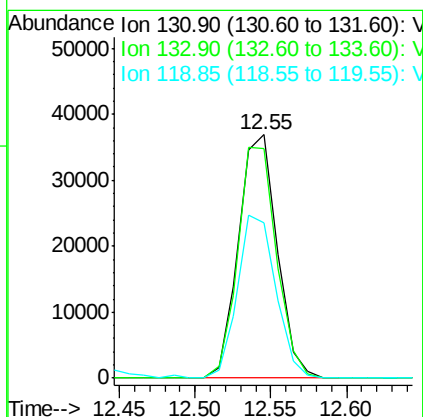
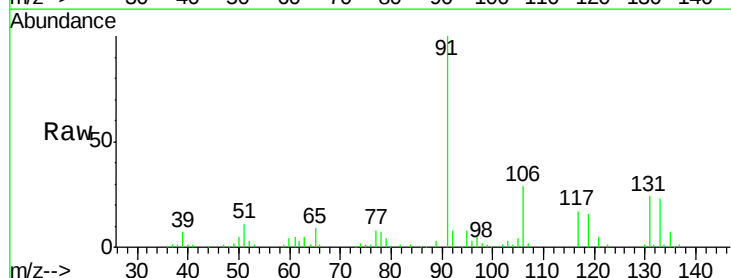
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

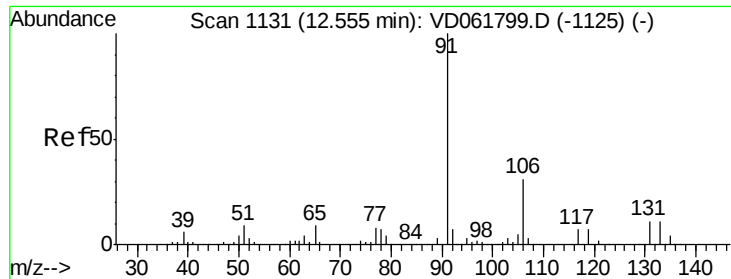
Tot Ion:112 Resp: 161198
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 10.442 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion:131 Resp: 65375
Ion Ratio Lower Upper
131 100
133 94.3 48.6 145.8
119 64.0 34.7 104.1

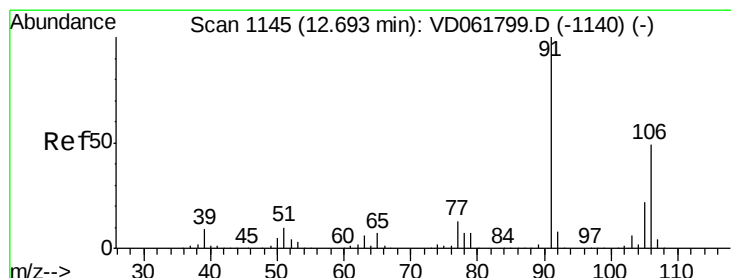
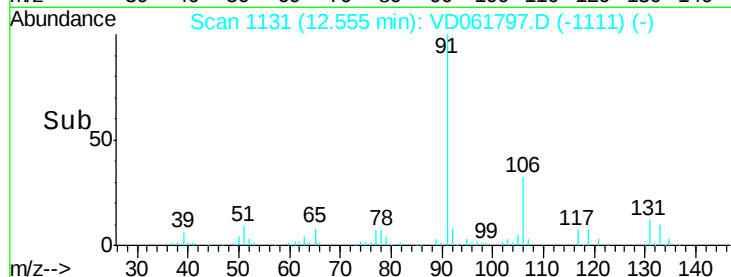
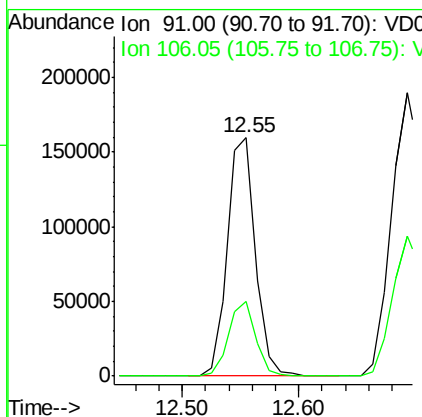
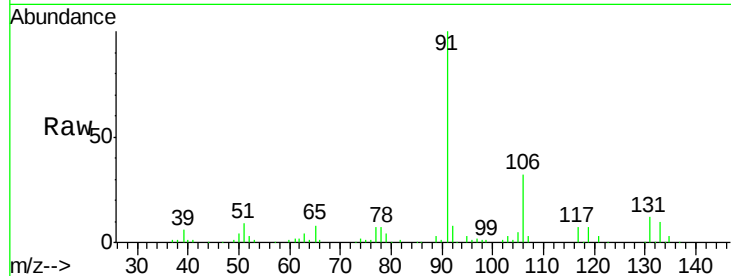




#67
Ethyl Benzene
Concen: 11.061 ug/l
RT: 12.55 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

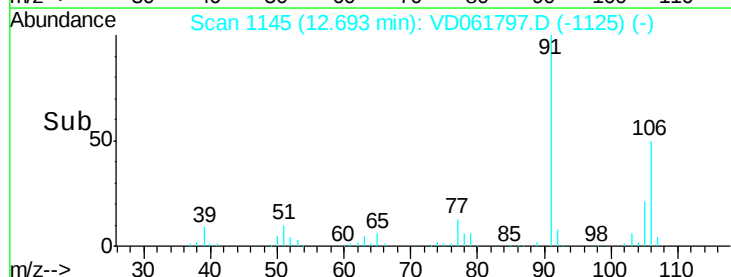
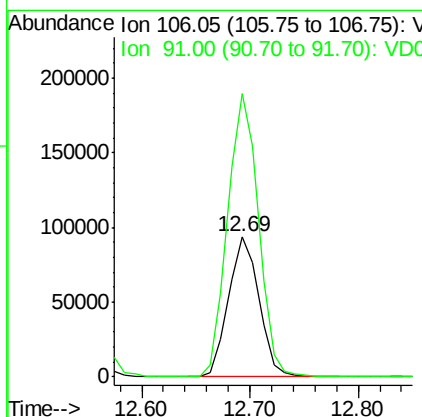
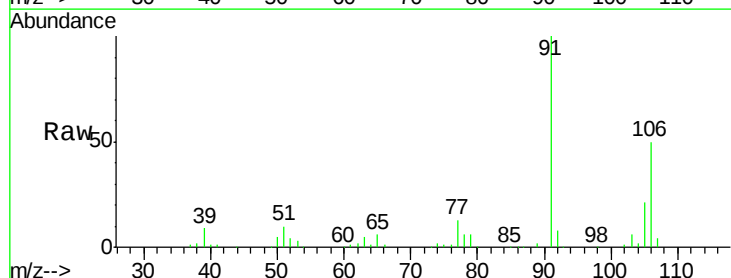
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

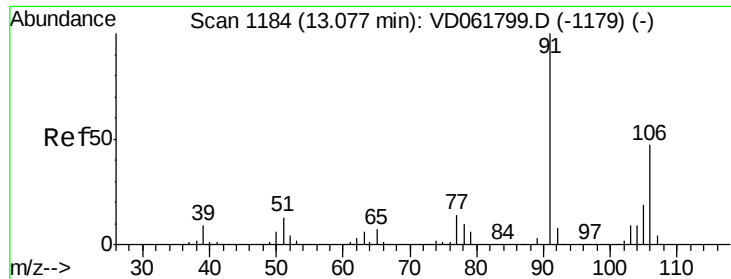
Tot Ion: 91 Resp: 264640
Ion Ratio Lower Upper
91 100
106 31.6 24.7 37.1



#68
m/p-Xylenes
Concen: 20.469 ug/l
RT: 12.69 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion:106 Resp: 183962
Ion Ratio Lower Upper
106 100
91 201.3 164.0 246.0

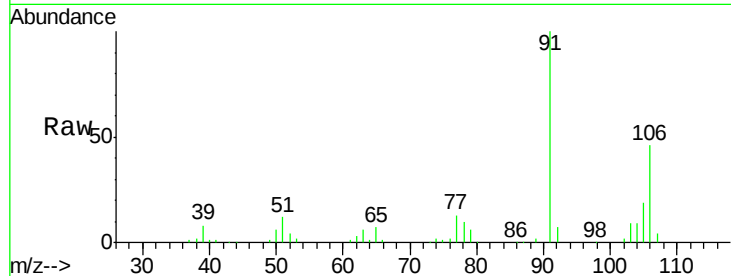




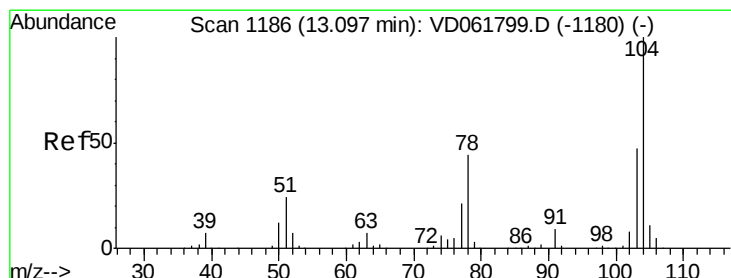
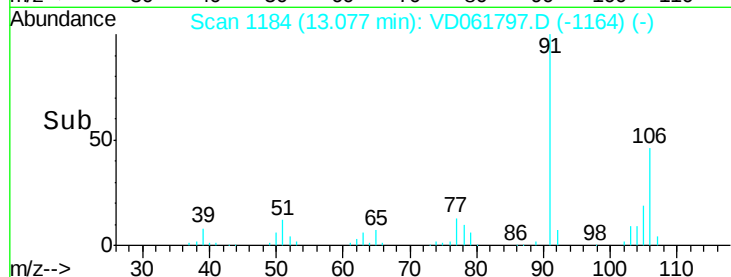
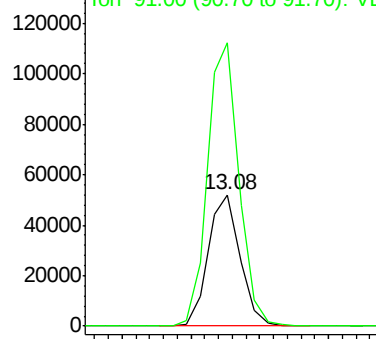
#69
o-Xylene
Concen: 9.937 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 83938
Ion Ratio Lower Upper
106 100
91 215.4 106.7 319.9

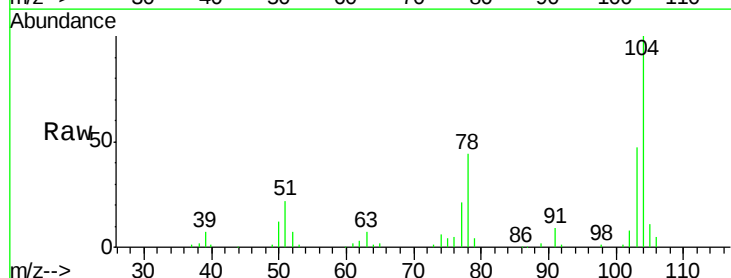


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

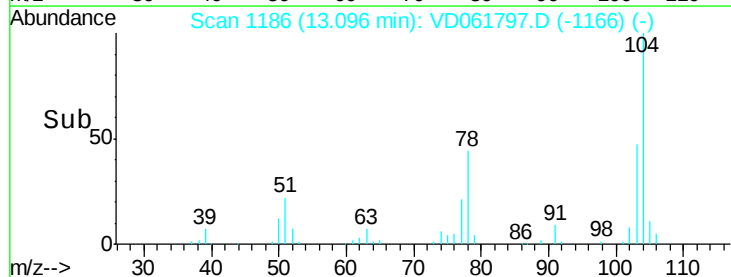
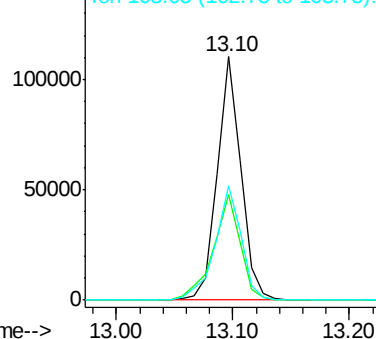


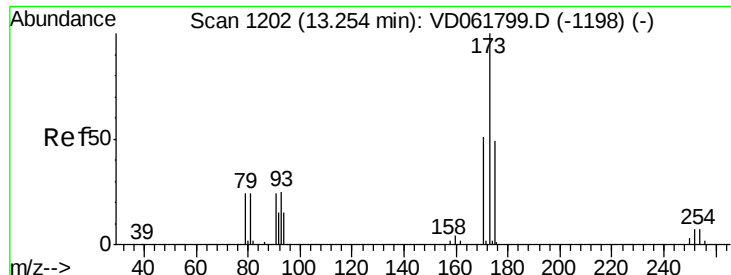
#70
Styrene
Concen: 10.651 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion:104 Resp: 154834
Ion Ratio Lower Upper
104 100
78 43.5 35.4 53.2
103 46.8 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 9.690 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

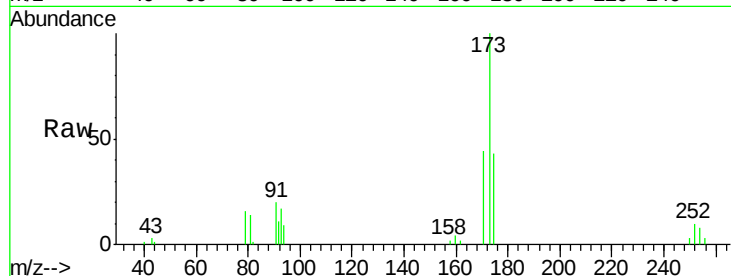
Tot Ion:173 Resp: 36011

Ion Ratio Lower Upper

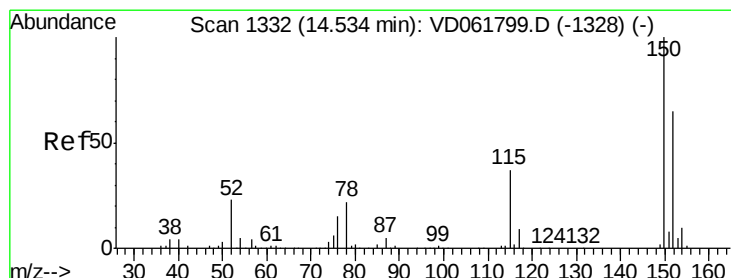
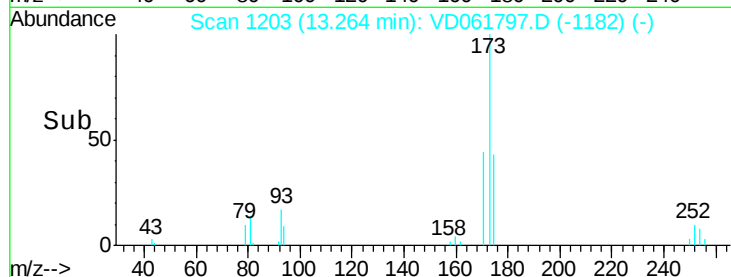
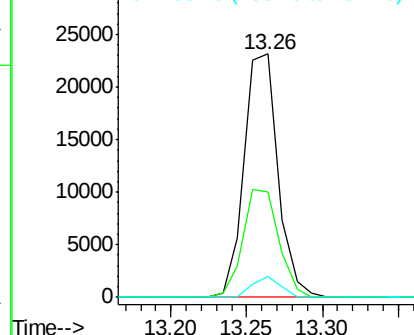
173 100

175 43.4 24.4 73.4

254 8.4 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

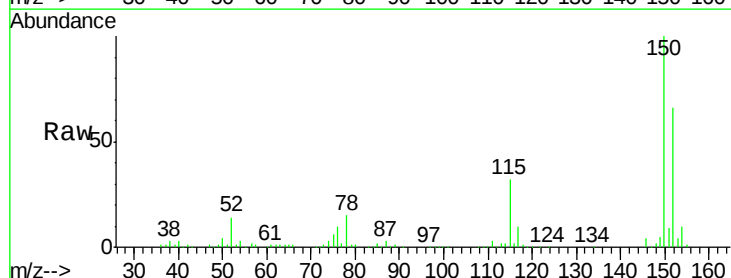
Tgt Ion:152 Resp: 392756

Ion Ratio Lower Upper

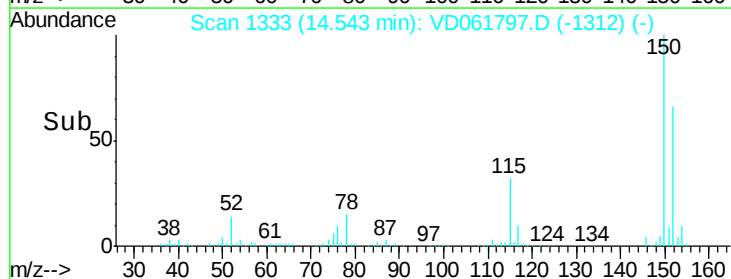
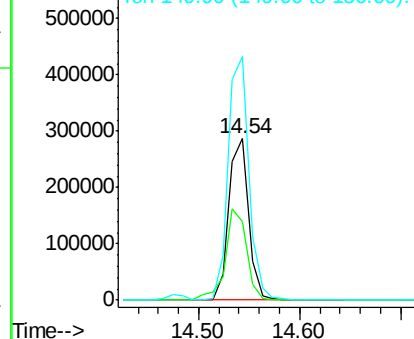
152 100

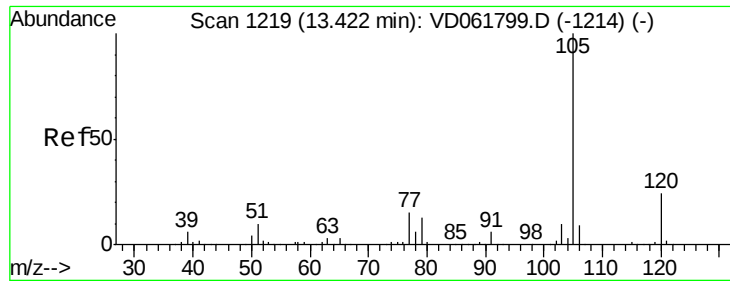
115 48.9 30.9 92.7

150 151.1 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.019 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

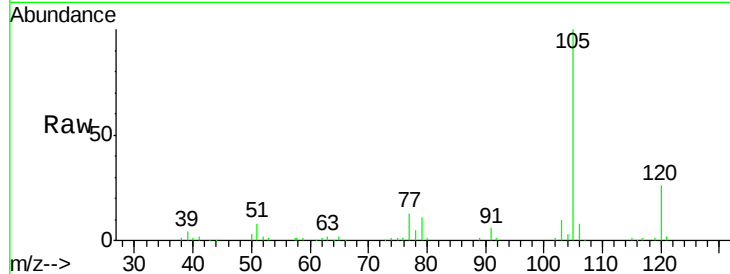
VSTDIC010

Tot Ion:105 Resp: 255207

Ion Ratio Lower Upper

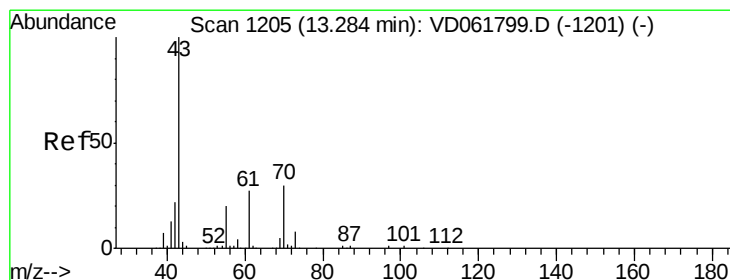
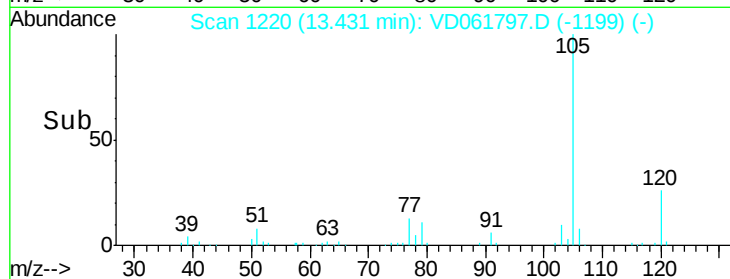
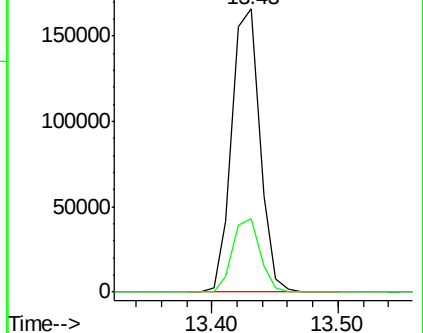
105 100

120 26.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 8.638 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Tgt Ion: 43 Resp: 59165

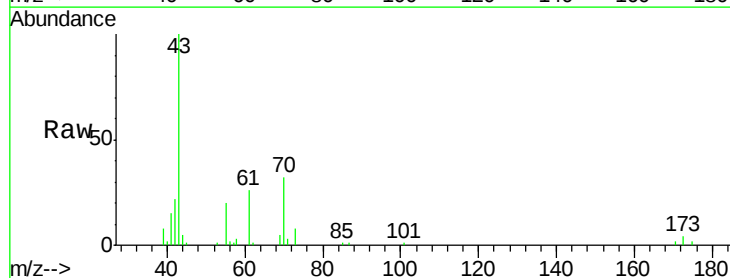
Ion Ratio Lower Upper

43 100

70 31.6 24.2 36.4

55 20.2 16.0 24.0

61 25.9 21.6 32.4

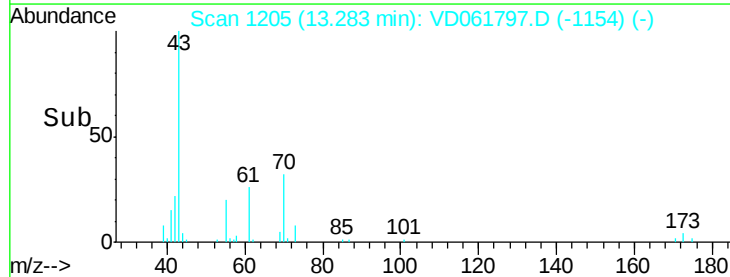
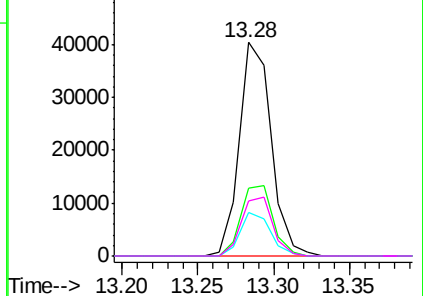


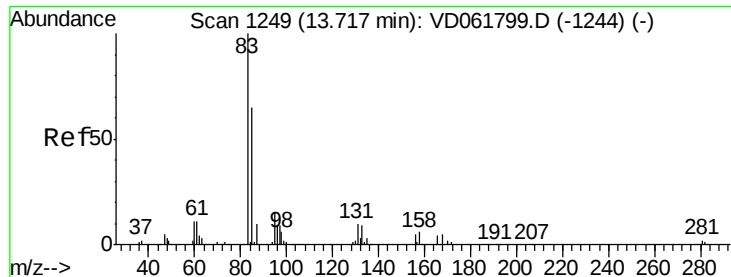
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 8.294 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

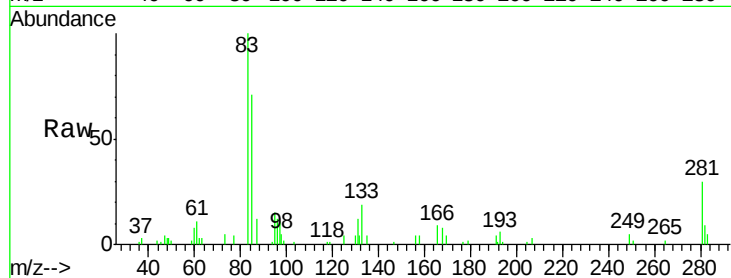
Tot Ion: 83 Resp: 41758

Ion Ratio Lower Upper

83 100

131 12.2 5.0 14.9

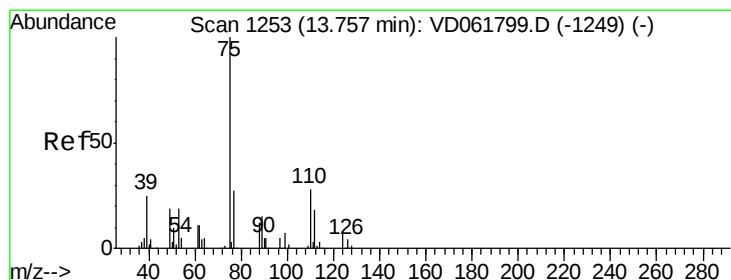
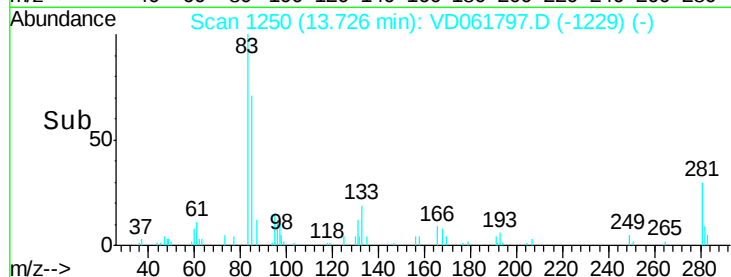
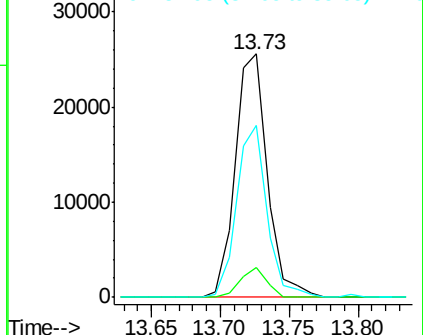
85 70.7 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 9.156 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061797.D

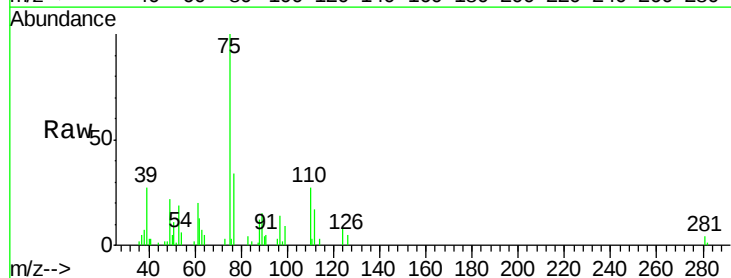
Acq: 15 Apr 2019 13:14

Tgt Ion: 75 Resp: 47224

Ion Ratio Lower Upper

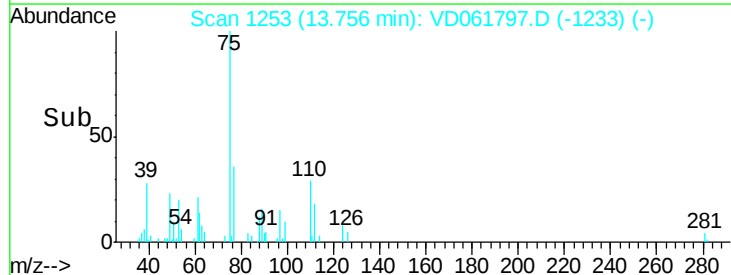
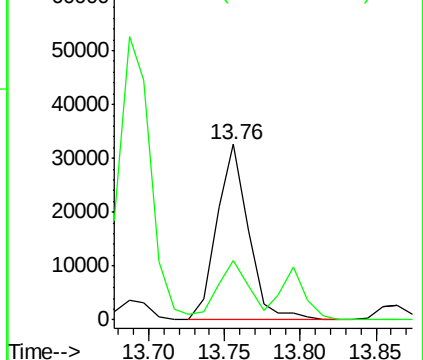
75 100

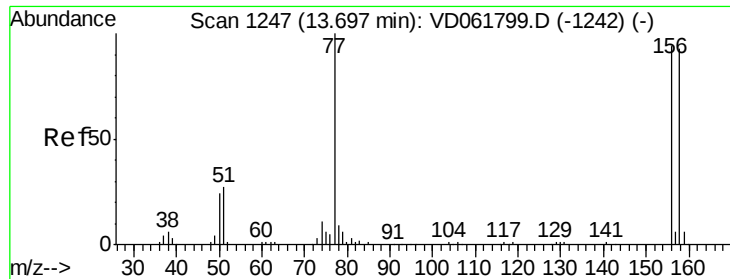
77 33.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 9.037 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

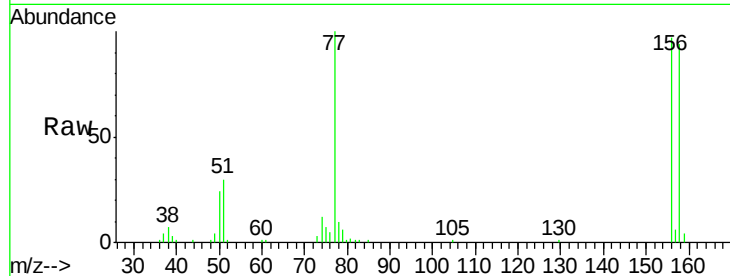
Tot Ion:156 Resp: 65386

Ion Ratio Lower Upper

156 100

77 102.7 53.1 159.4

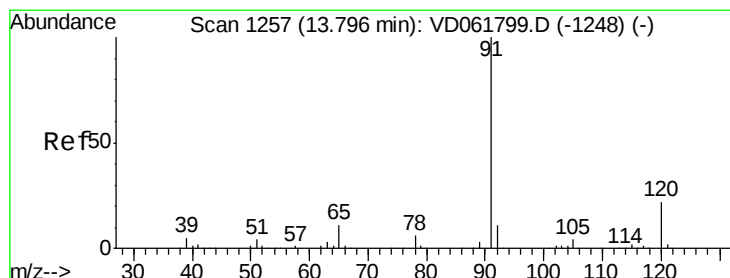
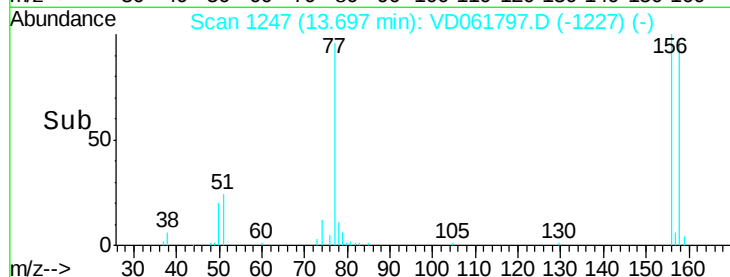
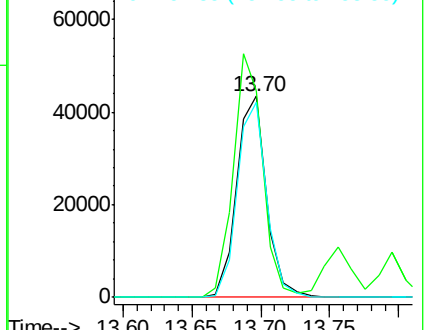
158 96.8 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 10.068 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VD061797.D

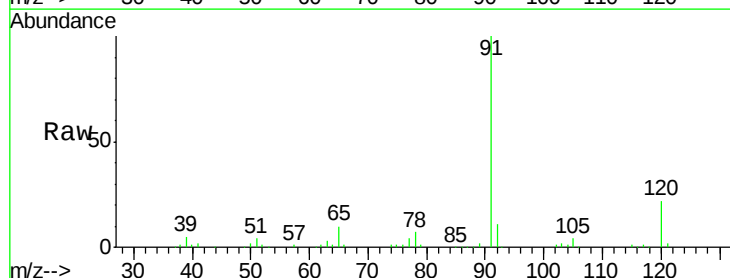
Acq: 15 Apr 2019 13:14

Tgt Ion: 91 Resp: 296289

Ion Ratio Lower Upper

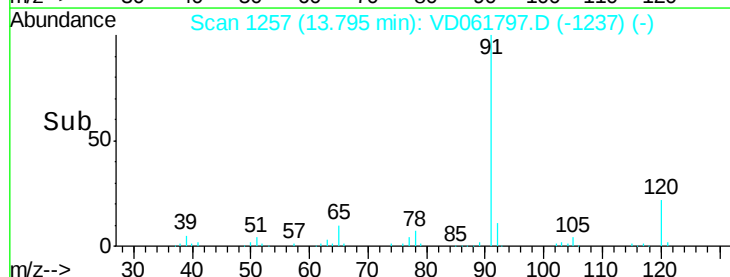
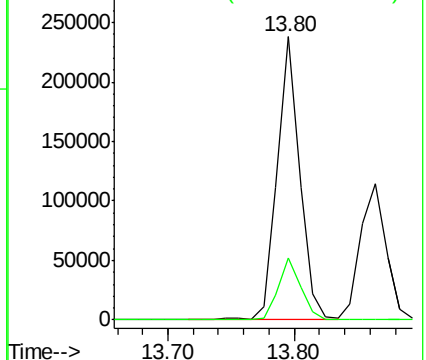
91 100

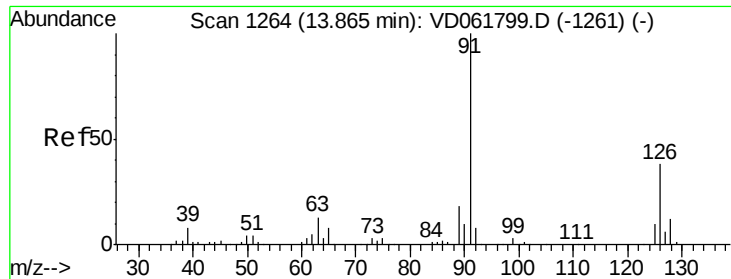
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

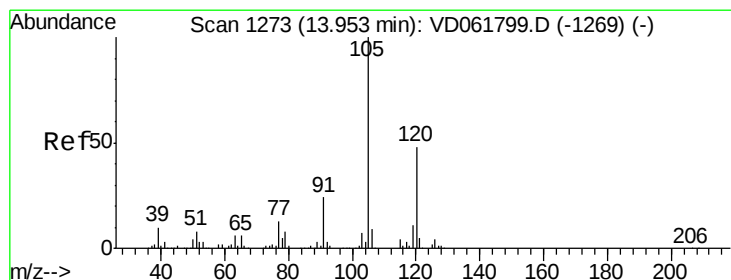
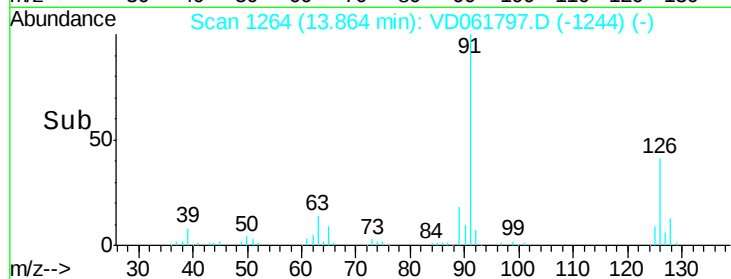
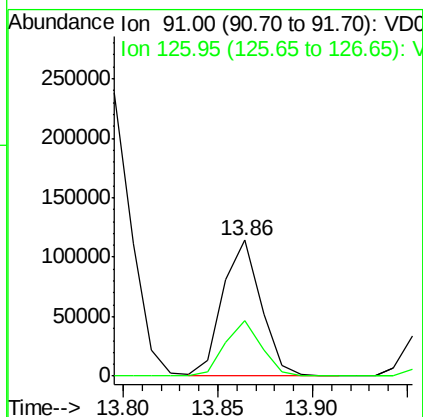
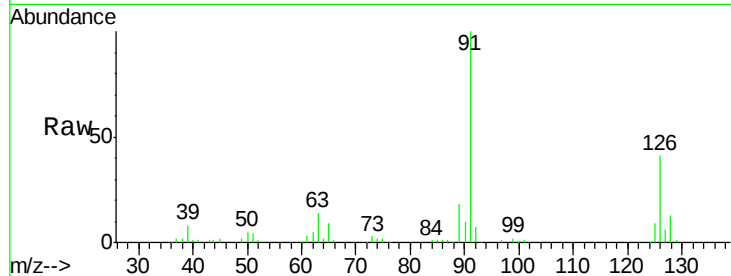




#79
 2-Chlorotoluene
 Concen: 9.341 ug/l
 RT: 13.86 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

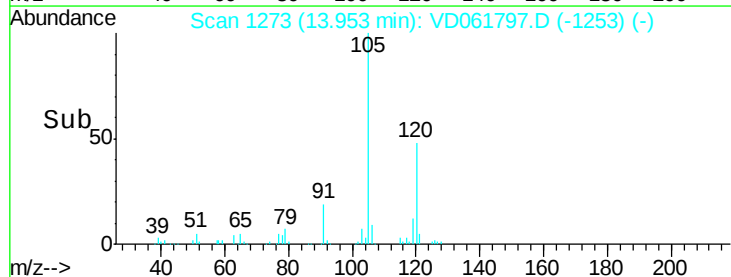
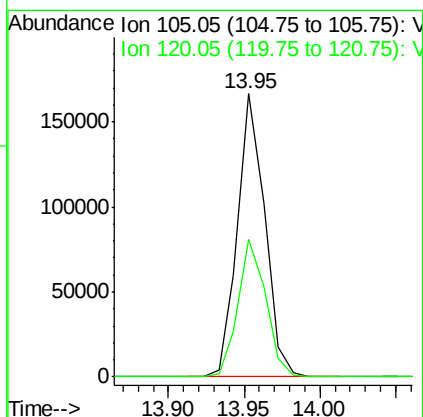
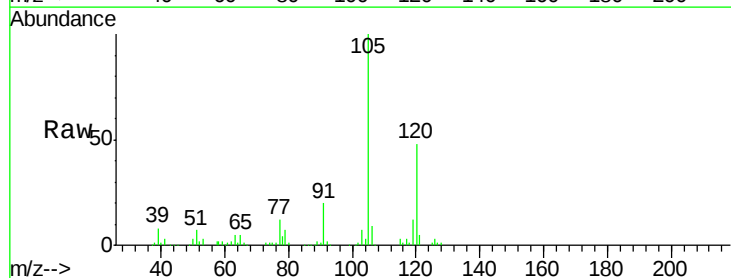
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

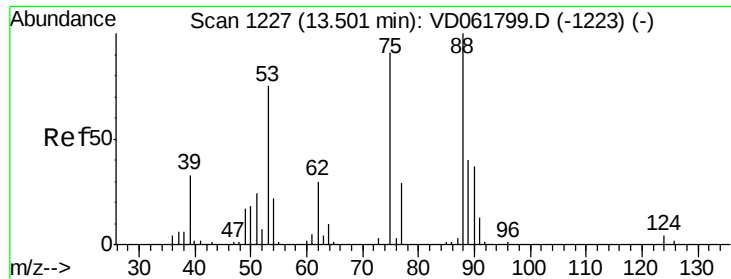
Tot Ion: 91 Resp: 159646
 Ion Ratio Lower Upper
 91 100
 126 40.7 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 10.327 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion:105 Resp: 208710
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.0 72.0

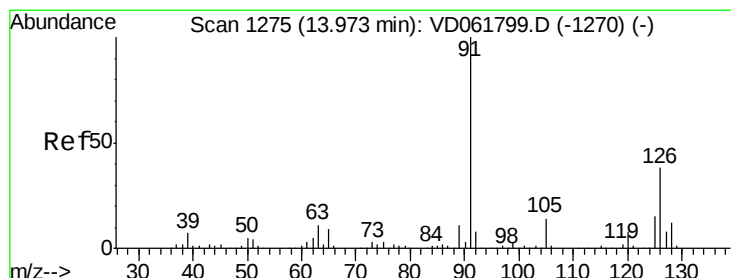
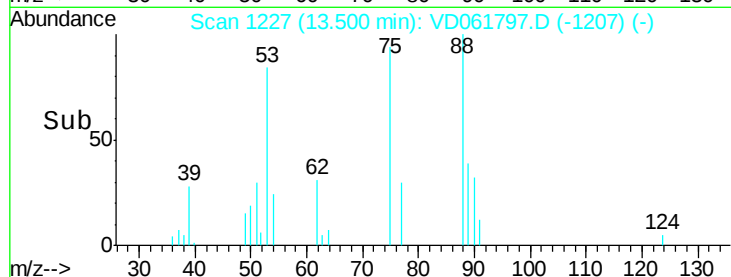
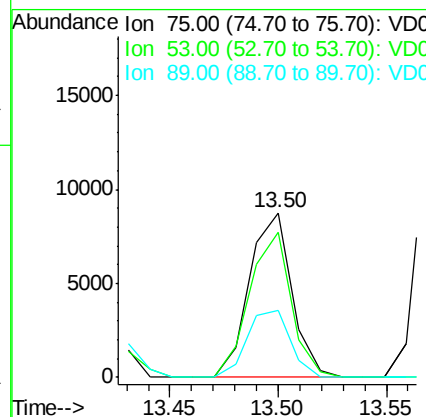
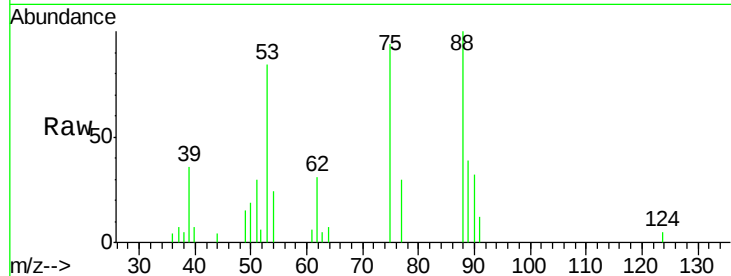




#81
trans-1,4-Dichloro-2-butene
Concen: 8.211 ug/l
RT: 13.50 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

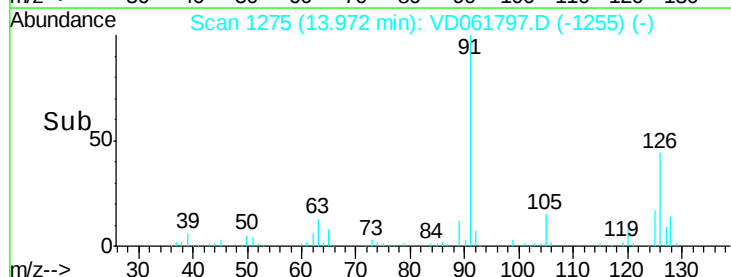
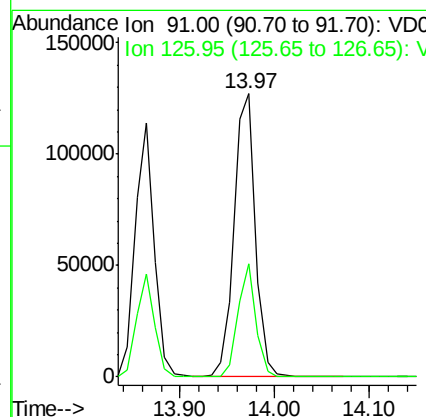
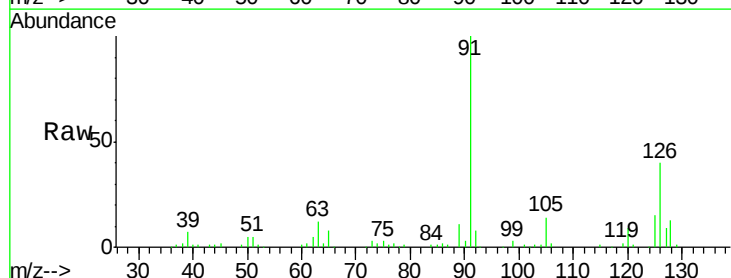
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

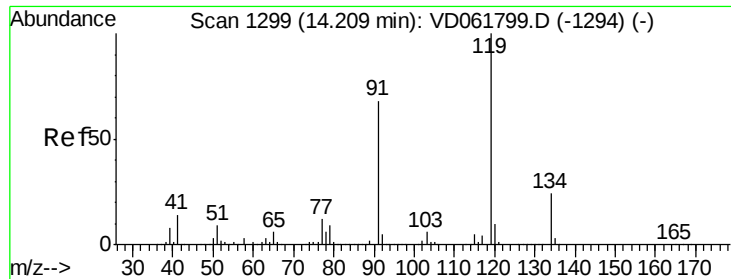
Tot Ion	Ratio	Lower	Upper
75	100		
53	88.6	65.8	98.8
89	40.8	35.0	52.6



#82
4-Chlorotoluene
Concen: 10.101 ug/l
RT: 13.97 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	40.1	19.1	57.5





#83

tert-Butylbenzene

Concen: 9.831 ug/l

RT: 14.21 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

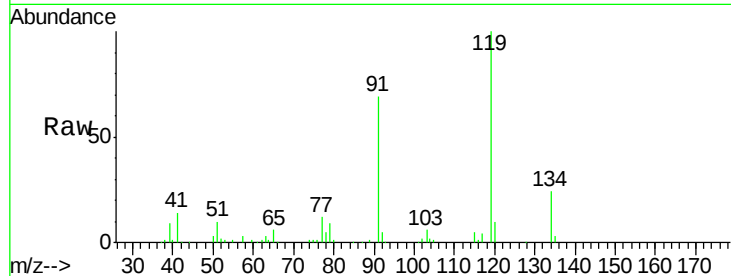
Tot Ion:119 Resp: 233308

Ion Ratio Lower Upper

119 100

91 68.8 34.2 102.6

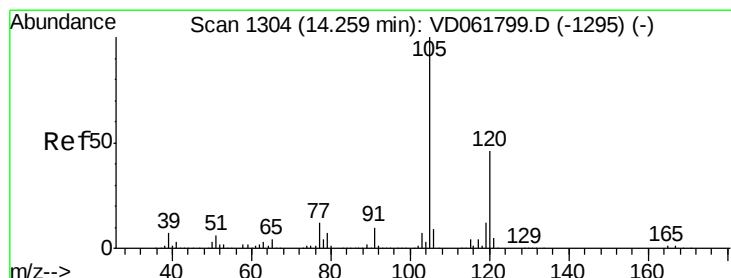
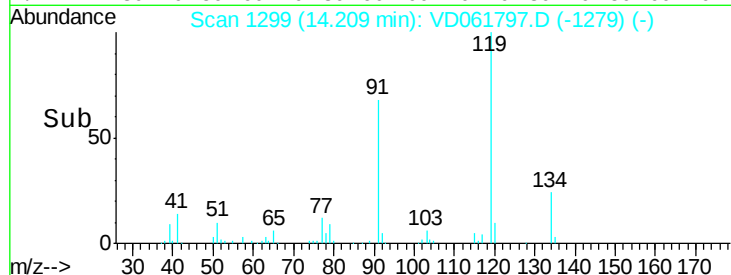
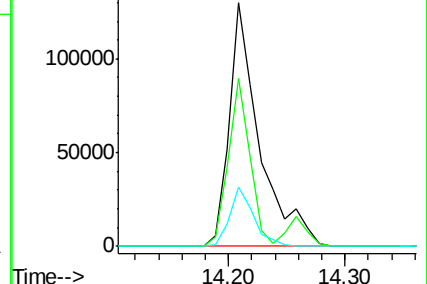
134 24.1 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.827 ug/l

RT: 14.26 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VD061797.D

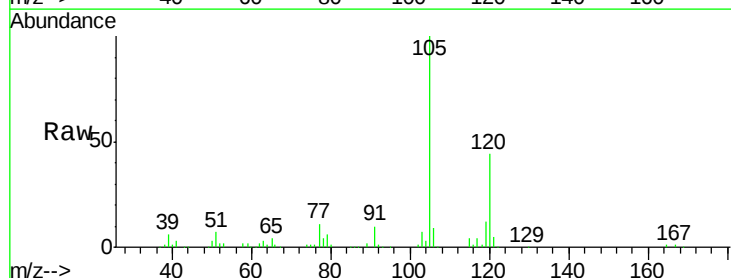
Acq: 15 Apr 2019 13:14

Tgt Ion:105 Resp: 199641

Ion Ratio Lower Upper

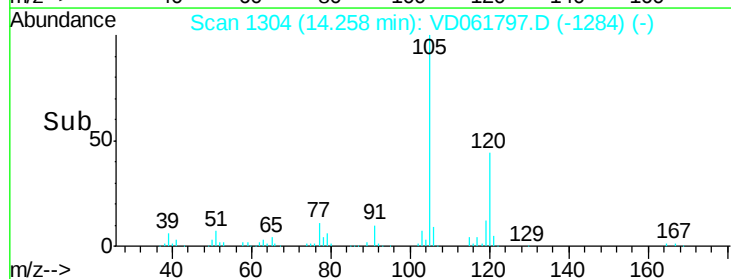
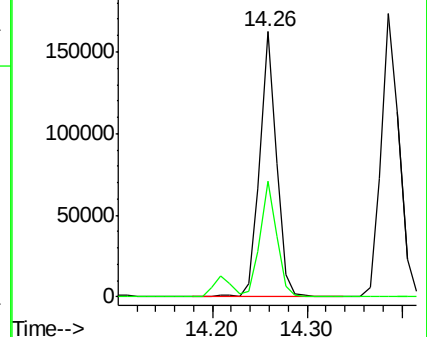
105 100

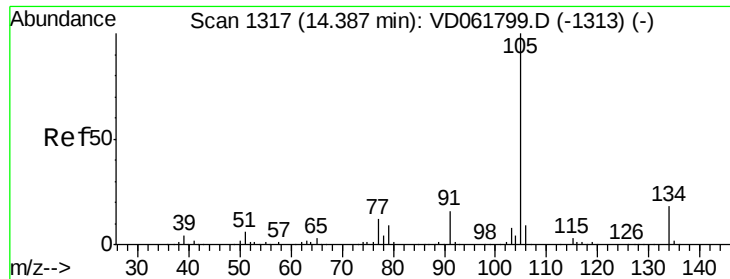
120 43.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 9.441 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

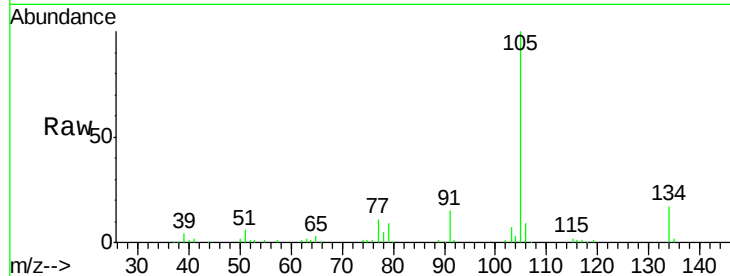
VSTDIC010

Tot Ion:105 Resp: 231599

Ion Ratio Lower Upper

105 100

134 17.1 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

200000

150000

100000

50000

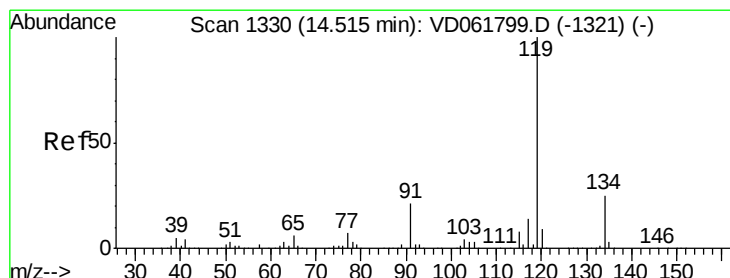
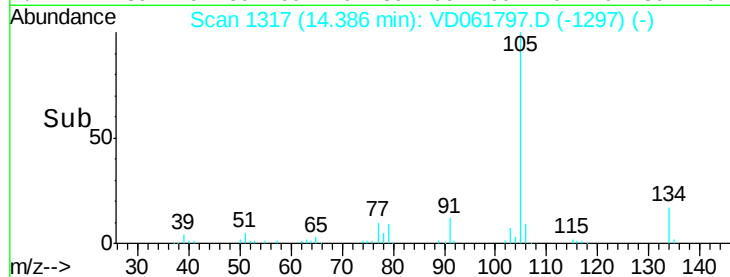
0

14.30

14.40

14.50

Time-->



#86

p-Isopropyltoluene

Concen: 10.079 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

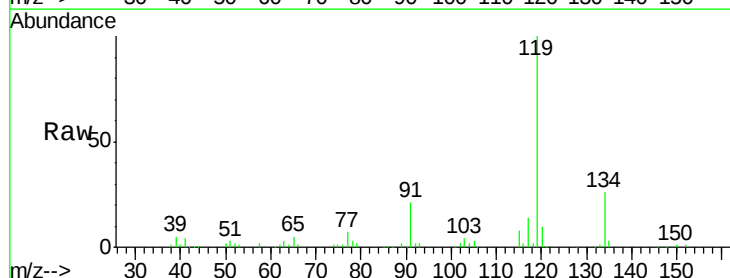
Tgt Ion:119 Resp: 231349

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 20.9 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

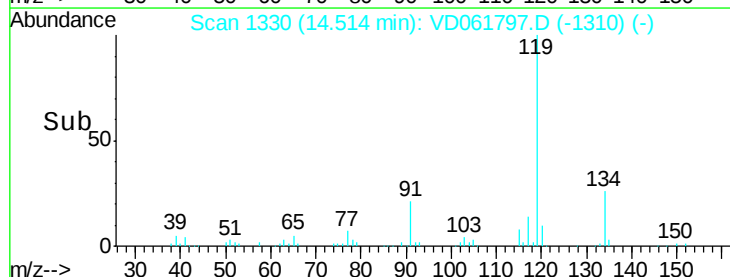
50000

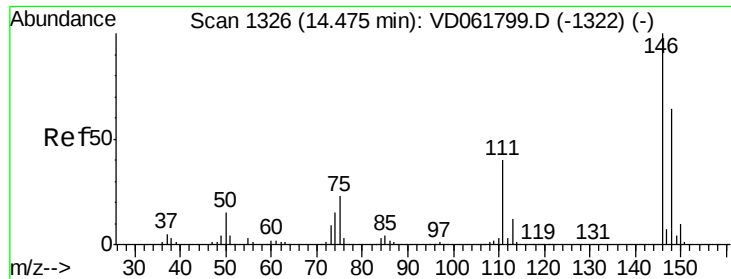
0

14.50

14.60

Time-->

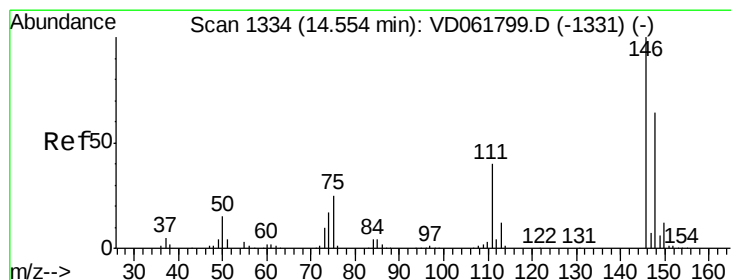
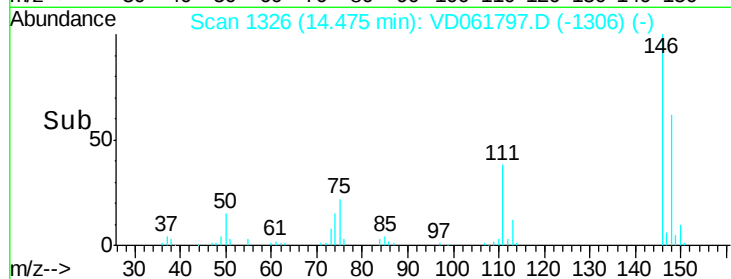
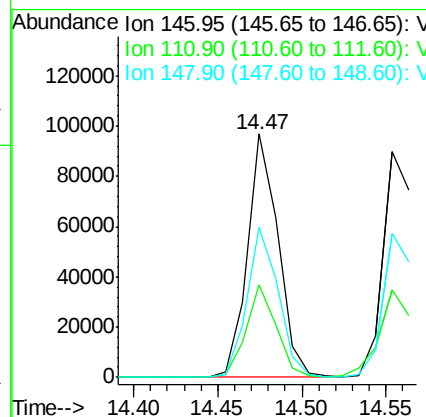
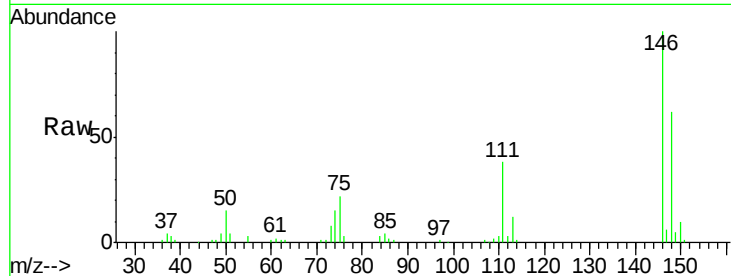




#87
 1,3-Dichlorobenzene
 Concen: 9.739 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

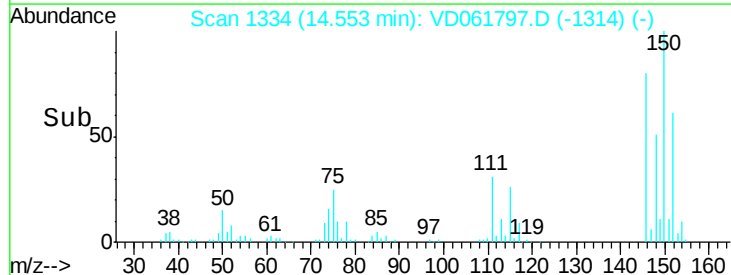
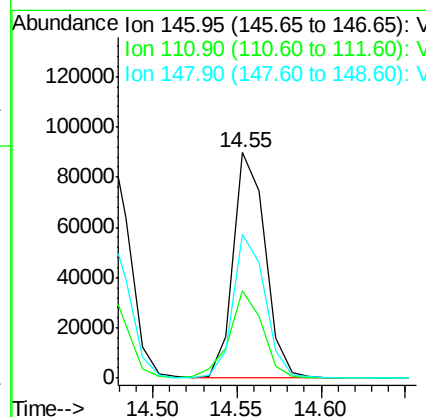
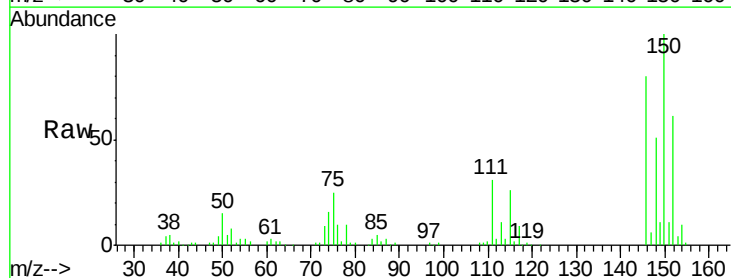
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

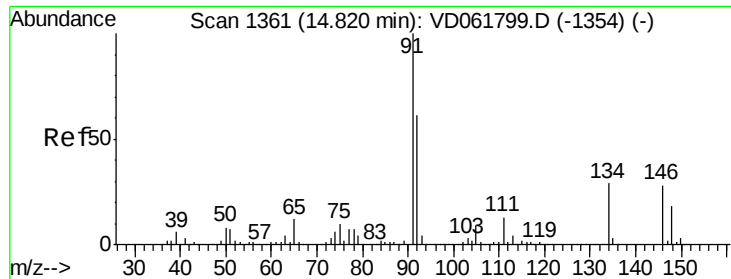
Tot Ion:146 Resp: 123013
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.0 60.0
 148 61.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 9.497 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion:146 Resp: 118579
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.2 60.5
 148 63.8 32.0 96.2

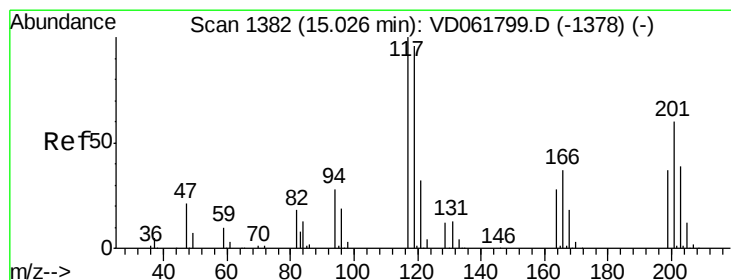
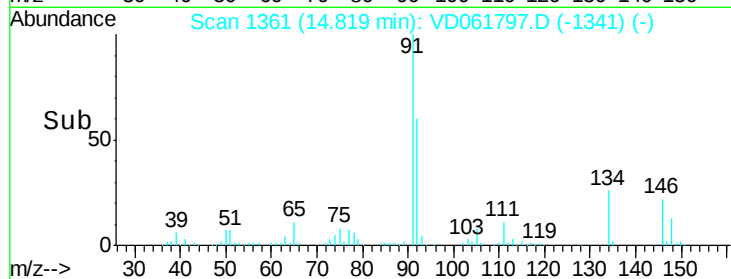
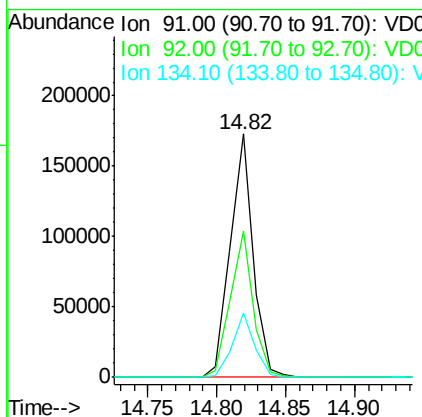
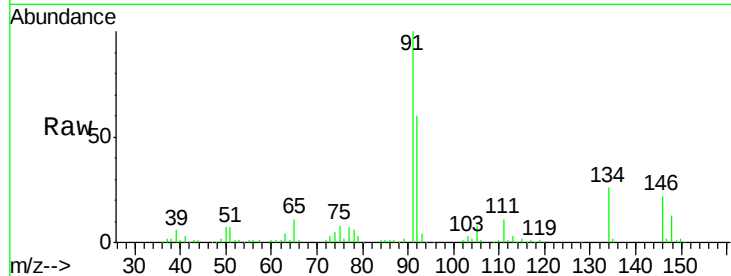




#89
n-Butylbenzene
Concen: 9.813 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

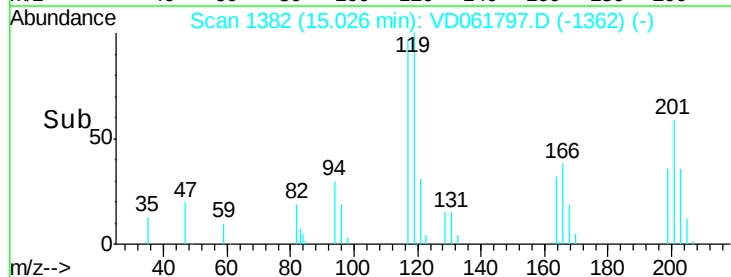
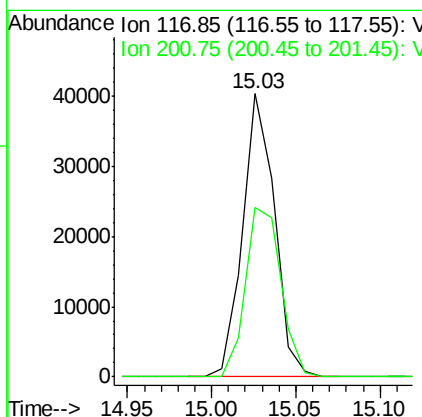
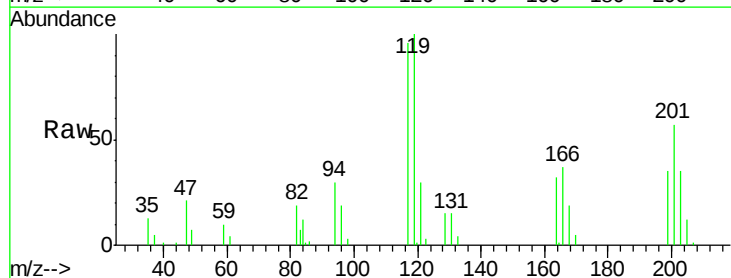
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

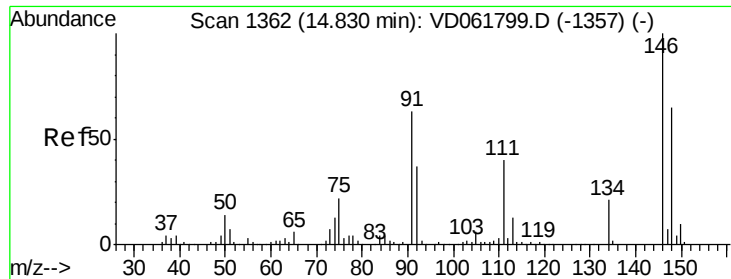
Tot Ion: 91 Resp: 199392
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 26.5 14.5 43.6



#90
Hexachloroethane
Concen: 8.422 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD061797.D
Acq: 15 Apr 2019 13:14

Tgt Ion: 117 Resp: 52690
Ion Ratio Lower Upper
117 100
201 59.9 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 9.473 ug/l

RT: 14.83 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

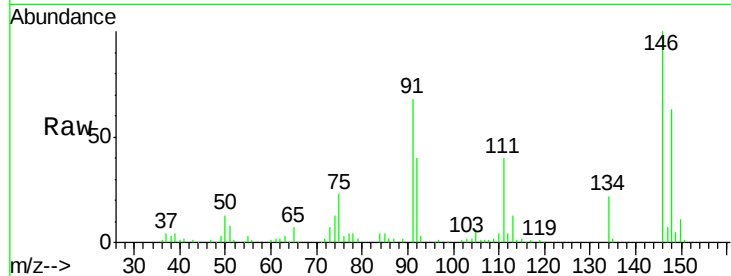
Tot Ion:146 Resp: 100231

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

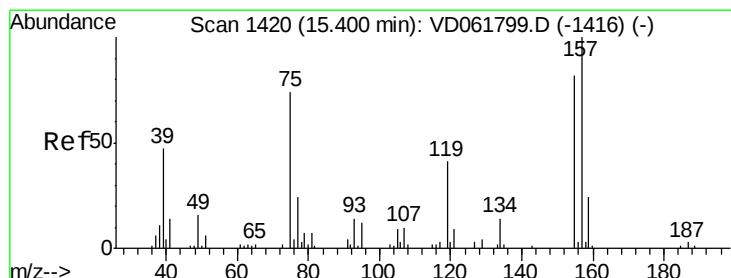
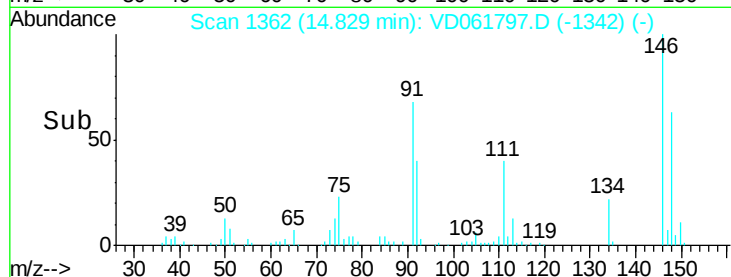
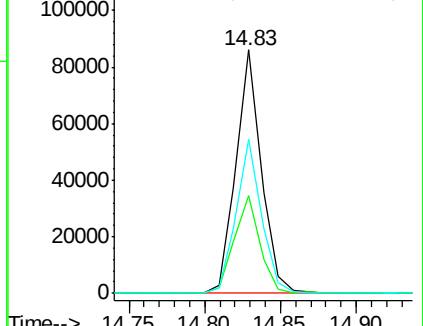
148 63.1 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.931 ug/l

RT: 15.40 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

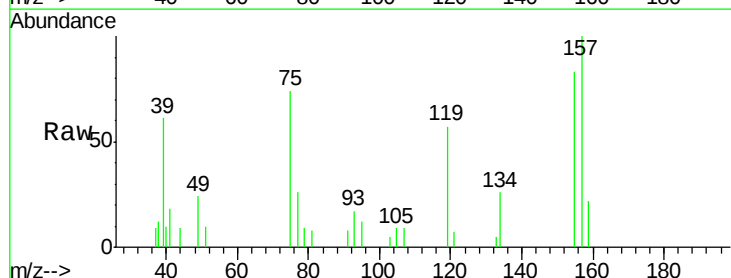
Tgt Ion: 75 Resp: 5529

Ion Ratio Lower Upper

75 100

155 113.4 55.3 165.8

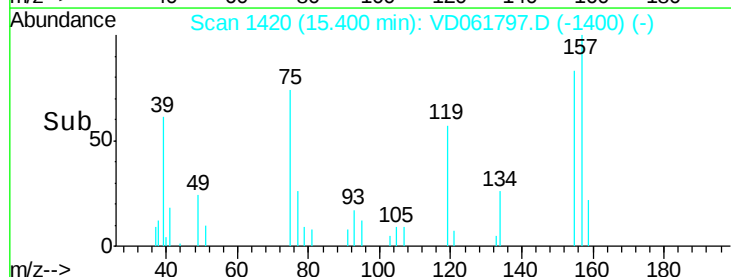
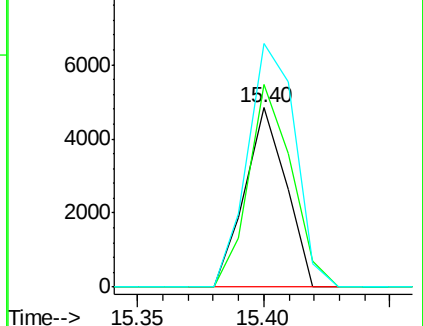
157 135.9 67.8 203.2

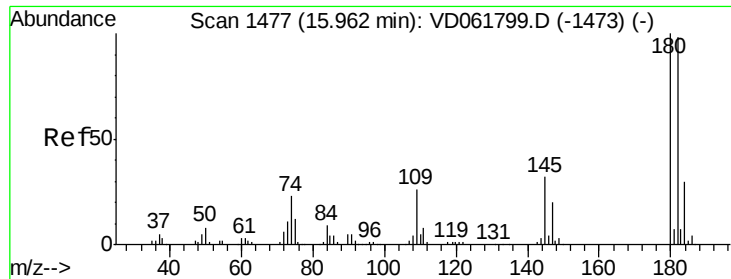


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

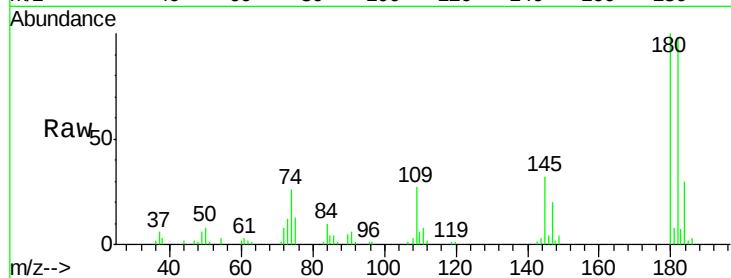




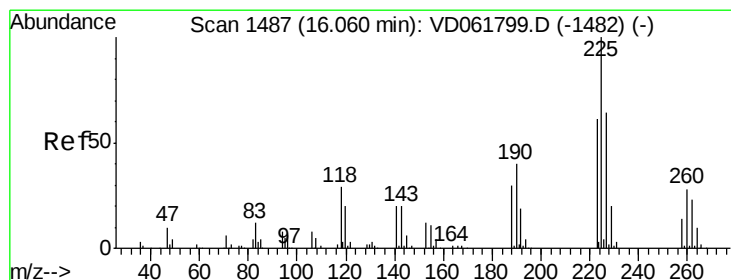
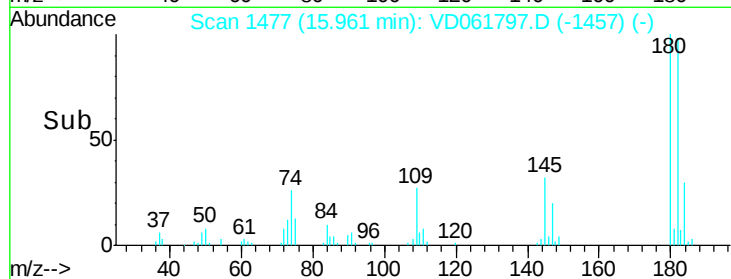
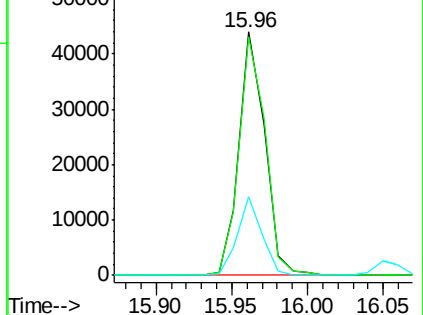
#93
 1,2,4-Trichlorobenzene
 Concen: 8.990 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 52243
 Ion Ratio Lower Upper
 180 100
 182 97.7 49.3 147.8
 145 32.3 16.2 48.6

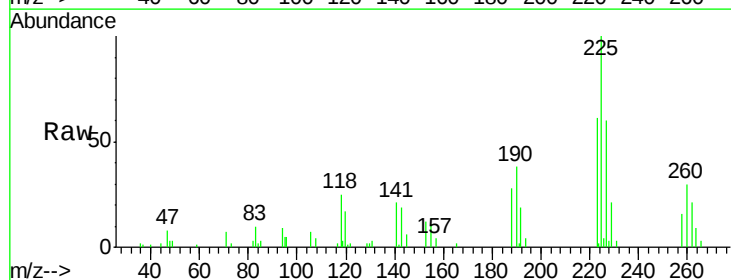


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

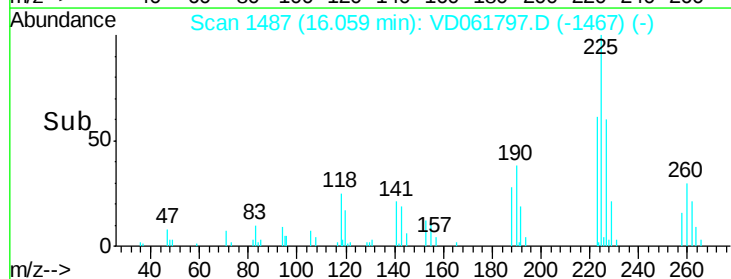
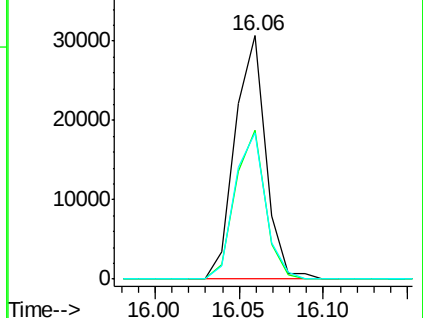


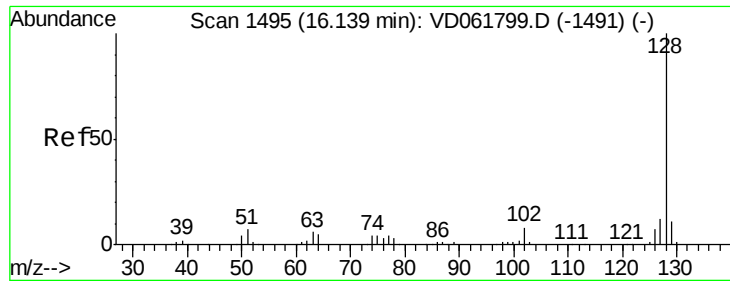
#94
 Hexachlorobutadiene
 Concen: 9.213 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD061797.D
 Acq: 15 Apr 2019 13:14

Tgt Ion:225 Resp: 38800
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.6 92.0
 227 60.3 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 8.013 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

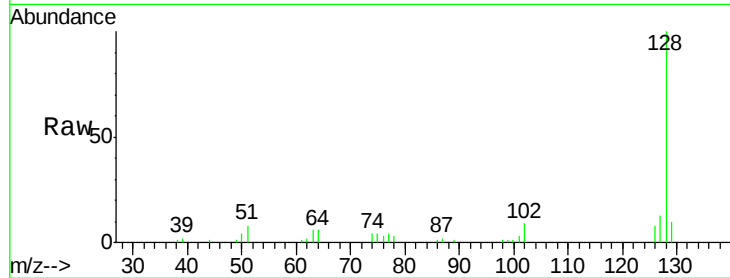
Tot Ion:128 Resp: 71370

Ion Ratio Lower Upper

128 100

127 13.4 9.8 14.8

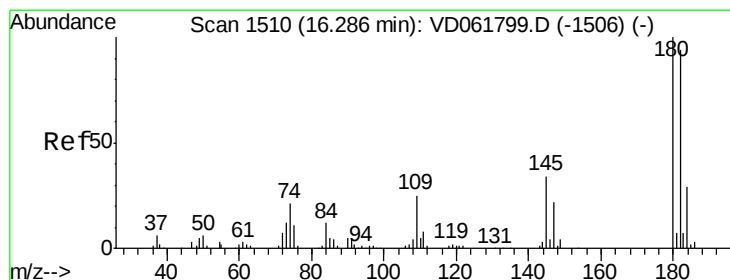
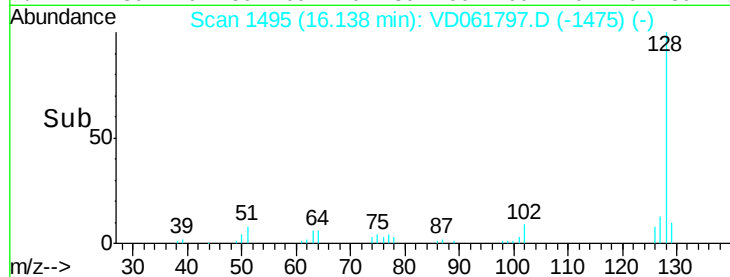
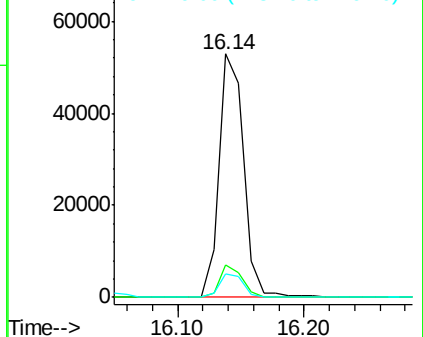
129 9.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 9.371 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD061797.D

Acq: 15 Apr 2019 13:14

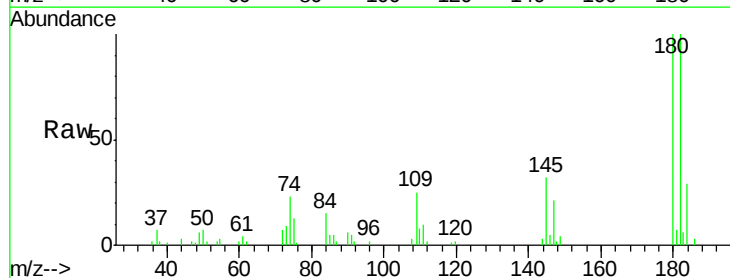
Tgt Ion:180 Resp: 31034

Ion Ratio Lower Upper

180 100

182 100.4 47.0 141.0

145 32.1 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

