

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061445.D
 Acq On : 31 Mar 2019 14:28
 Operator : VA/AP
 Sample : VD0331SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:53:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	685131	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1133579	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	941526	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	399142	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	259269	44.30	ug/l	0.05
Spiked Amount			Recovery	=	88.60%	
35) Dibromofluoromethane	6.95	113	406777	46.96	ug/l	0.05
Spiked Amount			Recovery	=	93.92%	
50) Toluene-d8	10.44	98	969087	46.64	ug/l	0.05
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	13.57	95	387300	48.61	ug/l	0.02
Spiked Amount			Recovery	=	97.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	142085	19.419	ug/l	96
3) Chloromethane	1.77	50	116886	19.588	ug/l	96
4) Vinyl Chloride	1.86	62	104451	19.064	ug/l	95
5) Bromomethane	2.16	94	18467	16.997	ug/l #	90
6) Chloroethane	2.27	64	27526	17.131	ug/l	99
7) Trichlorofluoromethane	2.54	101	140673	17.656	ug/l	99
8) Diethyl Ether	2.90	74	50057	19.514	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.16	101	163811	19.124	ug/l	96
10) Methyl Iodide	3.33	142	198399	17.646	ug/l	99
11) Tert butyl alcohol	4.09	59	36441	99.979	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	145140	19.736	ug/l	95
13) Acrolein	3.06	56	29023	89.829	ug/l	86
14) Allyl chloride	3.65	41	197743	19.279	ug/l	98
15) Acrylonitrile	4.22	53	123869	97.916	ug/l	96
16) Acetone	3.24	43	137924	91.673	ug/l	98
17) Carbon Disulfide	3.39	76	447143	18.714	ug/l	98
18) Methyl Acetate	3.66	43	67076	21.204	ug/l	99
19) Methyl tert-butyl Ether	4.27	73	258639	20.318	ug/l	96
20) Methylene Chloride	3.84	84	163775	18.211	ug/l	98
21) trans-1,2-Dichloroethene	4.25	96	155227	19.551	ug/l	98
22) Diisopropyl ether	5.15	45	455261	20.974	ug/l	97
23) Vinyl Acetate	5.08	43	1184418	100.457	ug/l	98
24) 1,1-Dichloroethane	5.01	63	250633	19.648	ug/l	99
25) 2-Butanone	6.10	43	183937	97.190	ug/l	100
26) 2,2-Dichloropropane	6.06	77	214946	21.197	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	177646	20.422	ug/l	98
28) Bromochloromethane	6.46	49	97886	19.010	ug/l #	89
29) Tetrahydrofuran	6.48	42	91557	99.810	ug/l	98
30) Chloroform	6.70	83	267351	20.284	ug/l	99
31) Cyclohexane	6.99	56	186421	18.494	ug/l	99
32) 1,1,1-Trichloroethane	6.90	97	231825	19.936	ug/l	96
36) 1,1-Dichloropropene	7.18	75	198686	20.082	ug/l	99
37) Ethyl Acetate	6.22	43	87964	20.789	ug/l	97
38) Carbon Tetrachloride	7.14	117	220444	19.390	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	216851	21.045	ug/l	97
40) Benzene	7.49	78	488295	19.665	ug/l	97
41) Methacrylonitrile	6.47	41	103515	20.923	ug/l #	96
42) 1,2-Dichloroethane	7.60	62	150990	20.329	ug/l	97
43) Isopropyl Acetate	9.27	43	124978	20.301	ug/l	100
44) Trichloroethene	8.57	130	180958	19.583	ug/l	96
45) 1,2-Dichloropropane	8.97	63	121951	19.369	ug/l	96
46) Dibromomethane	9.09	93	91062	21.488	ug/l	96
47) Bromodichloromethane	9.40	83	190119	19.988	ug/l	97
48) Methyl methacrylate	9.15	41	68132	20.053	ug/l	97
49) 1,4-Dioxane	9.11	88	17791	474.735	ug/l	96
51) 4-Methyl-2-Pentanone	10.33	43	397012	105.997	ug/l	100
52) Toluene	10.54	92	316165	20.871	ug/l	97
53) t-1,3-Dichloropropene	10.94	75	177689	20.562	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	199195	18.930	ug/l	100
55) 1,1,2-Trichloroethane	11.22	97	112565	21.248	ug/l	99
56) Ethyl methacrylate	11.07	69	124353	21.850	ug/l	99
57) 1,3-Dichloropropane	11.43	76	159561	20.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.89	63	293212	105.793	ug/l	99
59) 2-Hexanone	11.55	43	284515	104.843	ug/l	98
60) Dibromochloromethane	11.71	129	160421	19.643	ug/l	98
61) 1,2-Dibromoethane	11.83	107	122164	19.914	ug/l	97
64) Tetrachloroethene	11.29	164	144433	19.546	ug/l	96
65) Chlorobenzene	12.42	112	386468	20.085	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.54	131	152176	20.426	ug/l	99
67) Ethyl Benzene	12.55	91	612517	20.855	ug/l	100
68) m/p-Xylenes	12.69	106	443871	39.897	ug/l	98
69) o-Xylene	13.07	106	223852	20.734	ug/l	98
70) Styrene	13.10	104	380350	20.210	ug/l	99
71) Bromoform	13.25	173	97102	20.561	ug/l	98
73) Isopropylbenzene	13.42	105	619705	22.308	ug/l	99
74) N-amyl acetate	13.28	43	165490	21.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.72	83	126948	21.663	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	129058	22.384	ug/l	99
77) Bromobenzene	13.69	156	173072	21.015	ug/l	91
78) n-propylbenzene	13.79	91	750981	22.090	ug/l	94
79) 2-Chlorotoluene	13.85	91	399646	21.650	ug/l	95
80) 1,3,5-Trimethylbenzene	13.95	105	479489	22.246	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.49	75	32942	18.739	ug/l #	88
82) 4-Chlorotoluene	13.96	91	433502	21.598	ug/l	93
83) tert-Butylbenzene	14.21	119	580740	21.559	ug/l	93
84) 1,2,4-Trimethylbenzene	14.26	105	481306	20.626	ug/l	97
85) sec-Butylbenzene	14.39	105	595255	20.802	ug/l	99
86) p-Isopropyltoluene	14.50	119	500339	20.677	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	309689	22.206	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	275208	20.236	ug/l	96
89) n-Butylbenzene	14.82	91	478532	21.546	ug/l	96
90) Hexachloroethane	15.03	117	144115	21.082	ug/l	88
91) 1,2-Dichlorobenzene	14.83	146	262554	22.952	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.40	75	15571	22.655	ug/l #	52

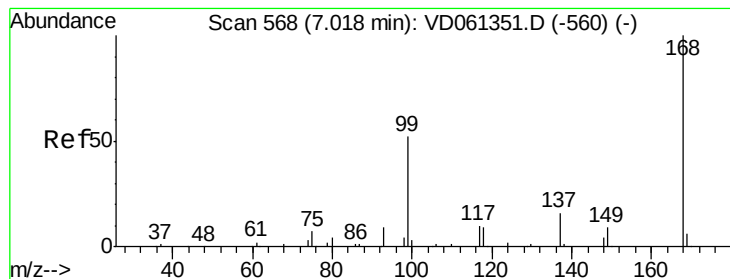
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	131099	25.158	ug/l	95
94) Hexachlorobutadiene	16.05	225	88541	21.744	ug/l	96
95) Naphthalene	16.14	128	215653	27.150	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	77708	33.888	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

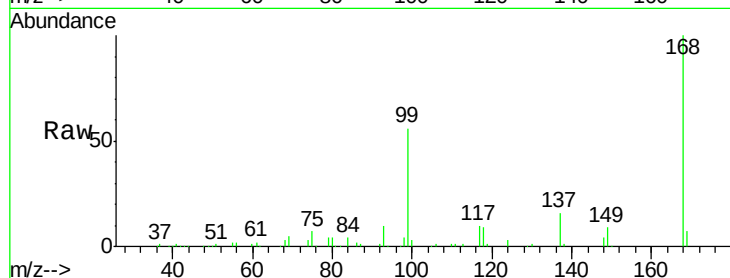
ClientSampleId :

Tot Ion:168 Resp: 685131

Ion Ratio Lower Upper

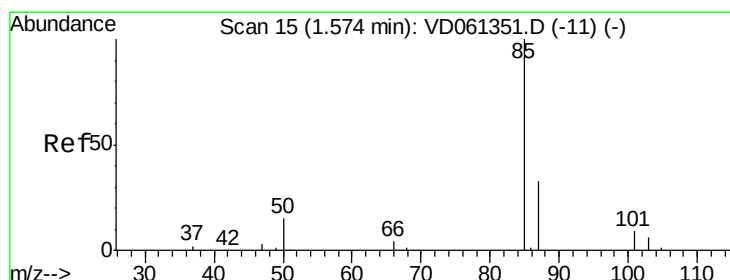
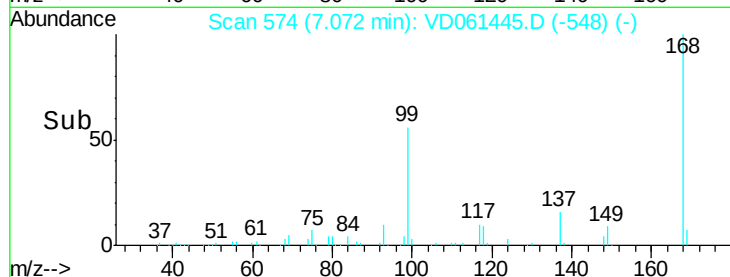
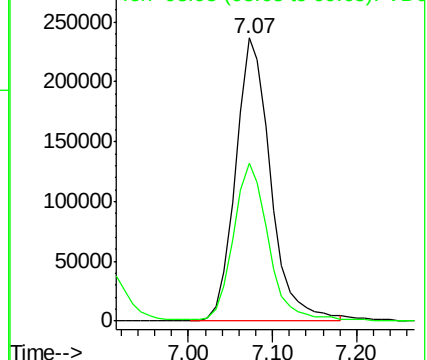
168 100

99 55.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.419 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061445.D

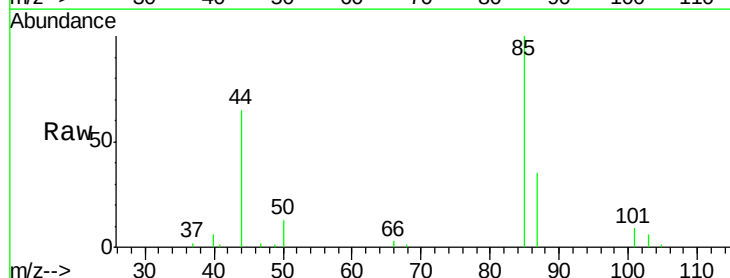
Acq: 31 Mar 2019 14:28

Tgt Ion: 85 Resp: 142085

Ion Ratio Lower Upper

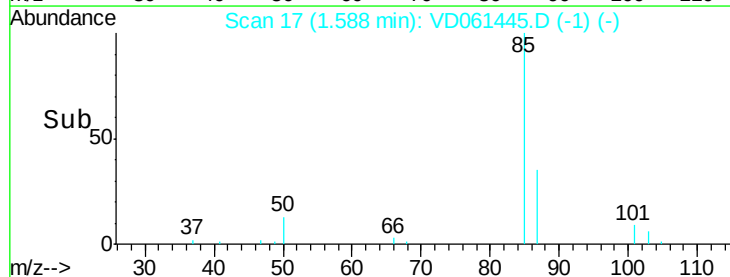
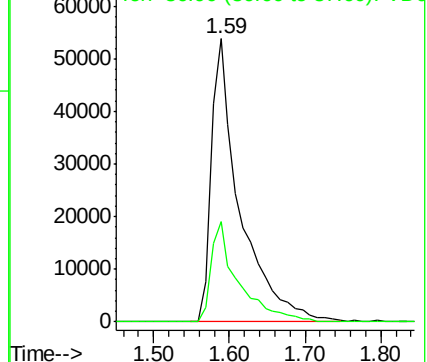
85 100

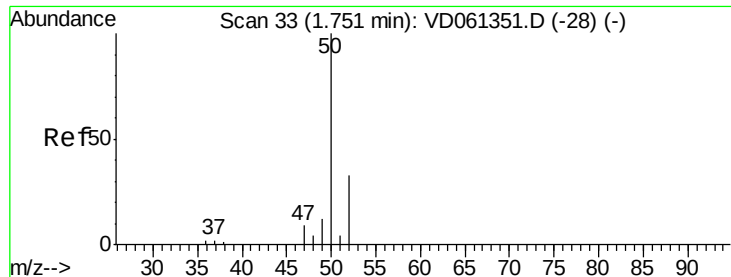
87 35.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.588 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

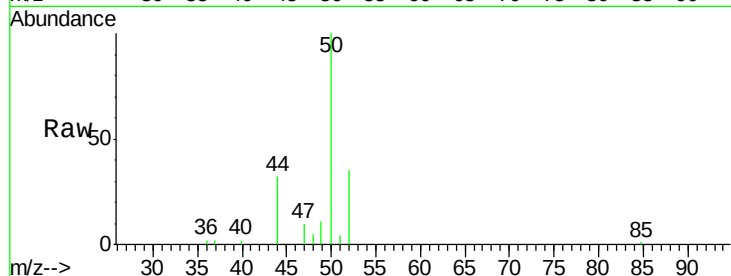
ClientSampleId :

Tot Ion: 50 Resp: 116886

Ion Ratio Lower Upper

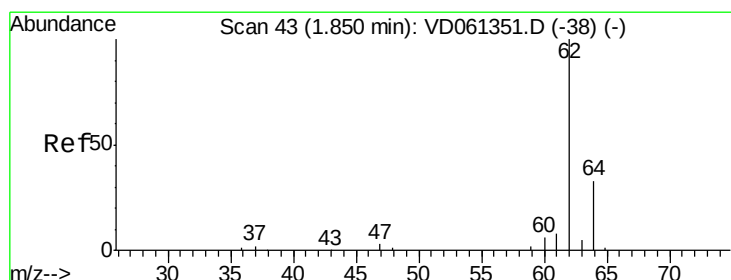
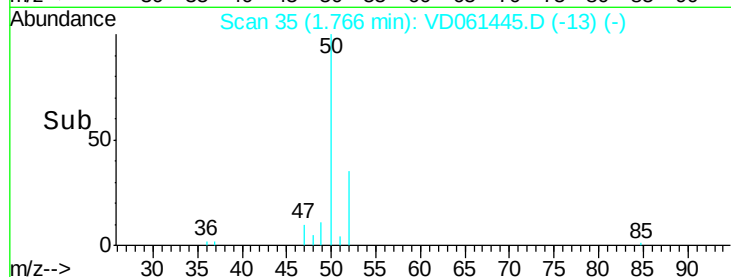
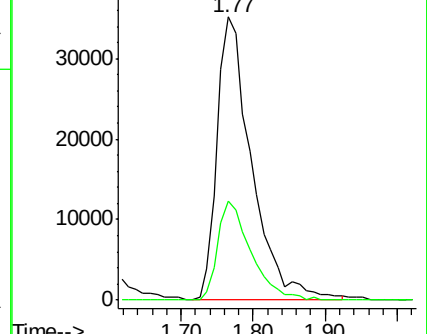
50 100

52 34.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.064 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061445.D

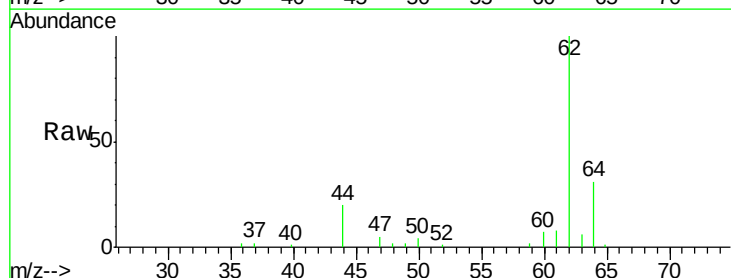
Acq: 31 Mar 2019 14:28

Tgt Ion: 62 Resp: 104451

Ion Ratio Lower Upper

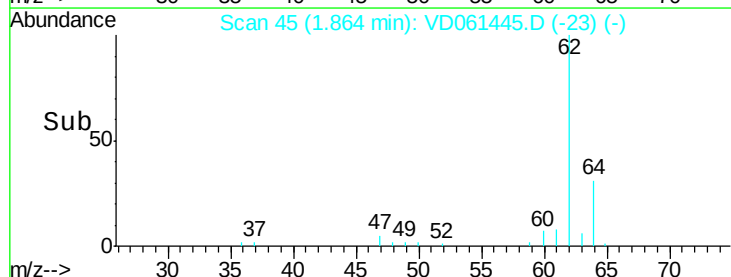
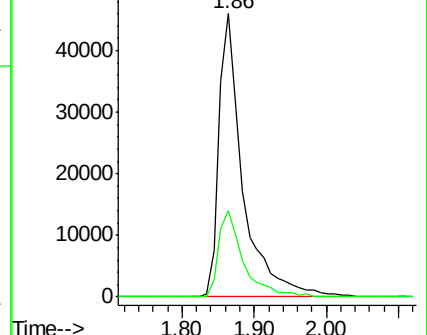
62 100

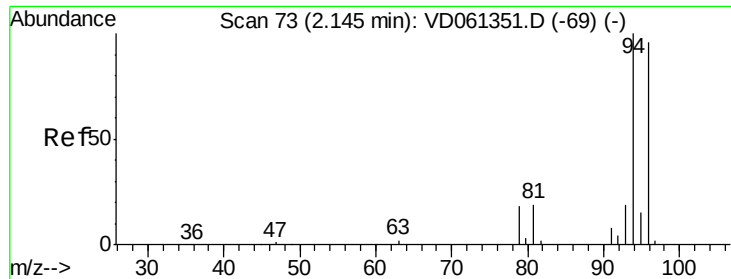
64 30.6 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.997 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

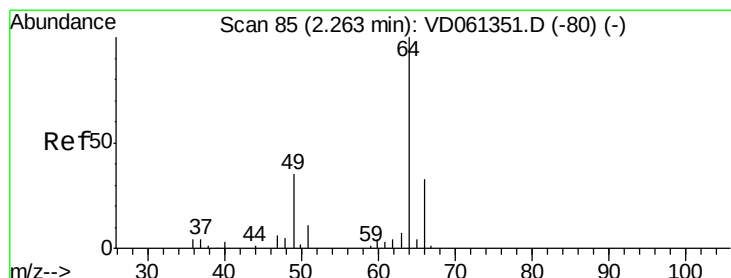
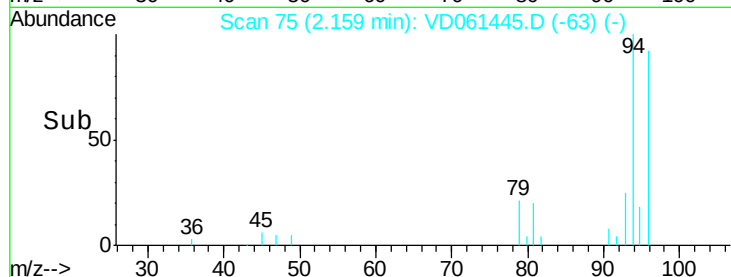
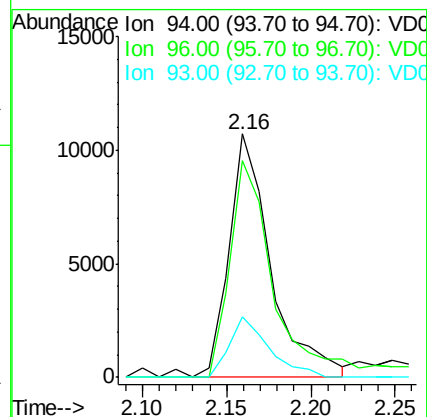
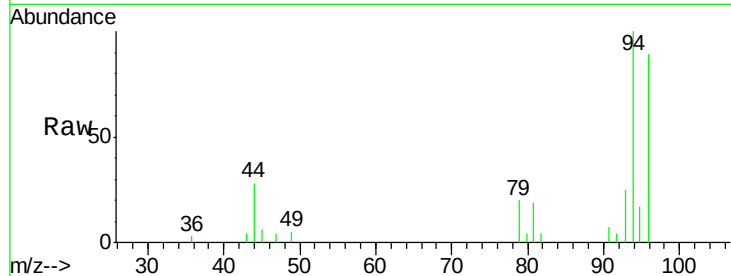
Tot Ion: 94 Resp: 18467

Ion Ratio Lower Upper

94 100

96 88.8 78.3 117.5

93 24.7 15.6 23.4#



#6

Chloroethane

Concen: 17.131 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061445.D

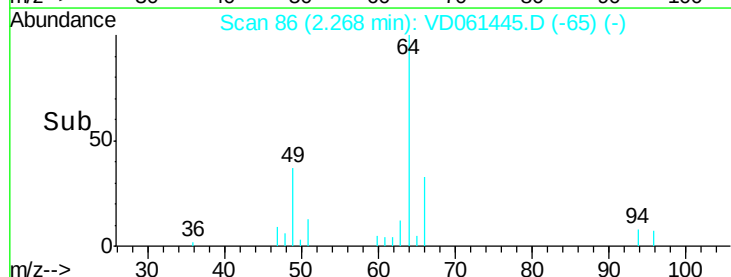
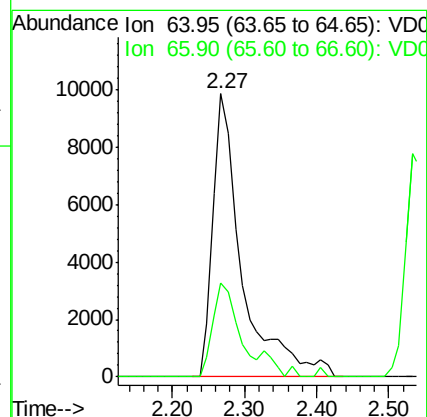
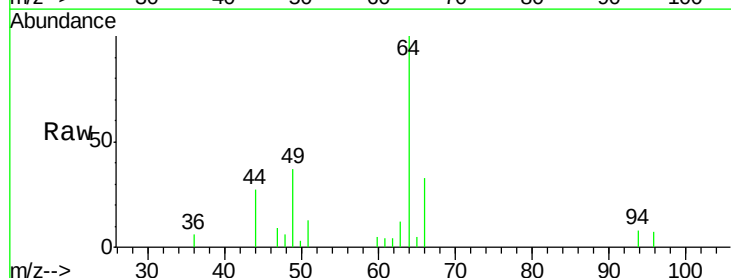
Acq: 31 Mar 2019 14:28

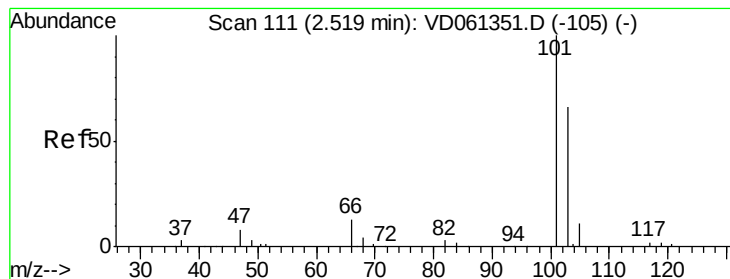
Tgt Ion: 64 Resp: 27526

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2



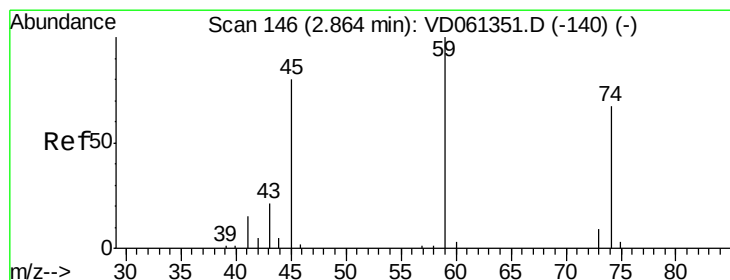
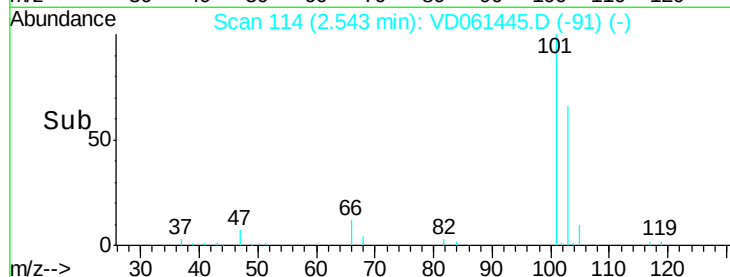
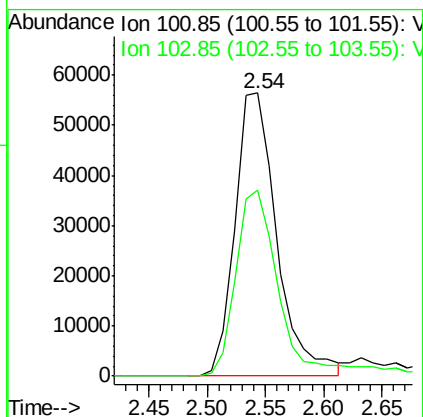
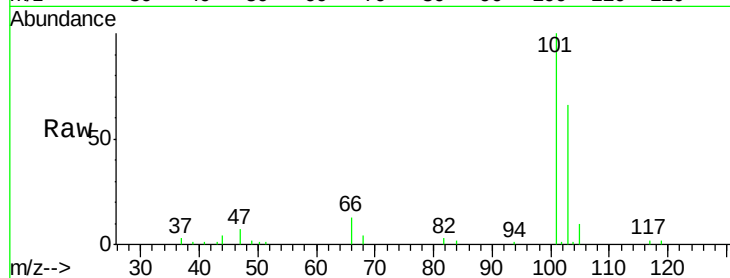


#7

Trichlorofluoromethane
 Concen: 17.656 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Instrument :
 MSVOA_D
 ClientSampled :

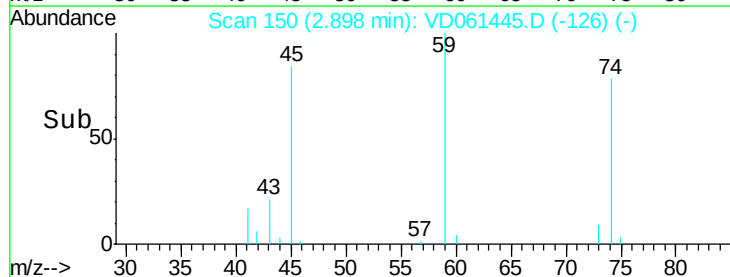
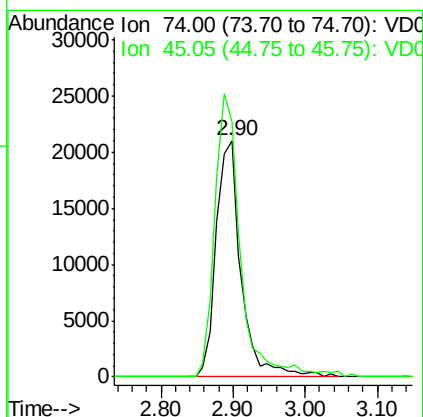
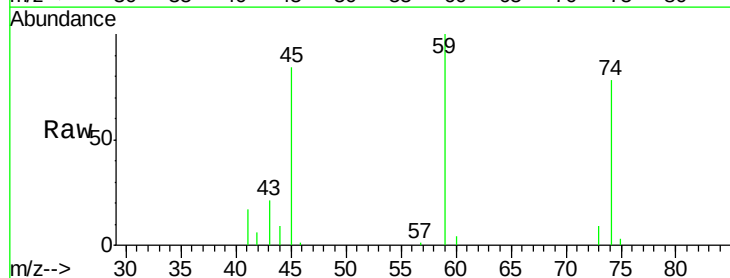
Tot Ion:101 Resp: 140673
 Ion Ratio Lower Upper
 101 100
 103 65.9 53.1 79.7

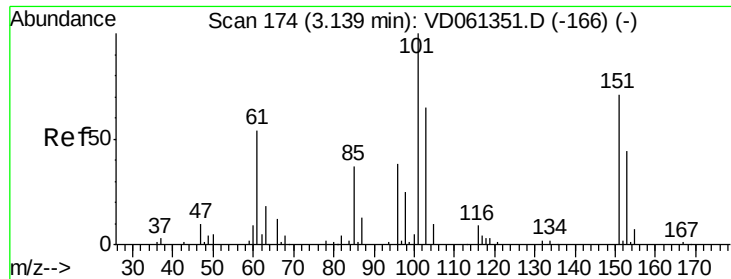


#8

Diethyl Ether
 Concen: 19.514 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. 0.03 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion: 74 Resp: 50057
 Ion Ratio Lower Upper
 74 100
 45 108.3 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.124 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

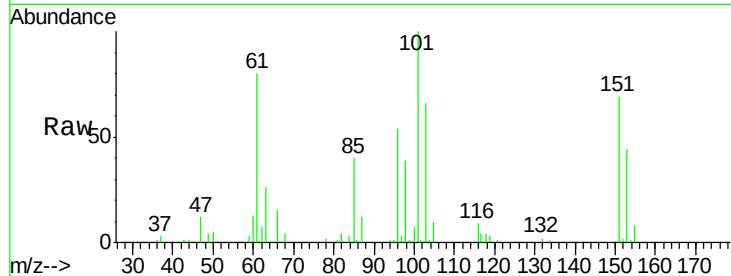
Tot Ion:101 Resp: 163811

Ion Ratio Lower Upper

101 100

85 40.4 29.4 44.0

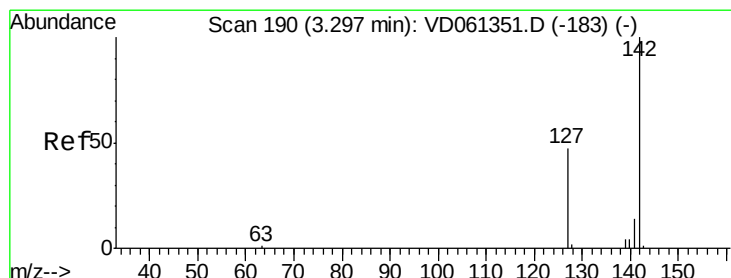
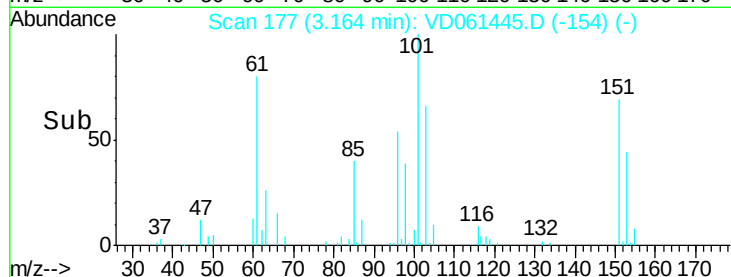
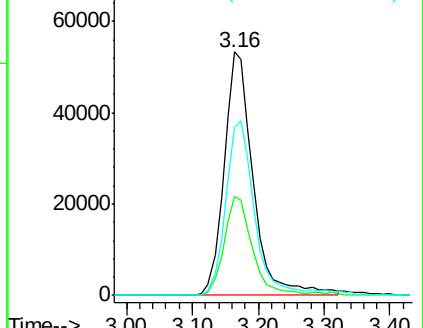
151 68.9 57.0 85.4



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: 17.646 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

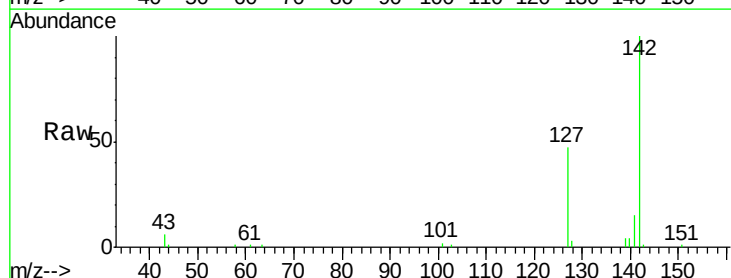
Tgt Ion:142 Resp: 198399

Ion Ratio Lower Upper

142 100

127 47.5 37.7 56.5

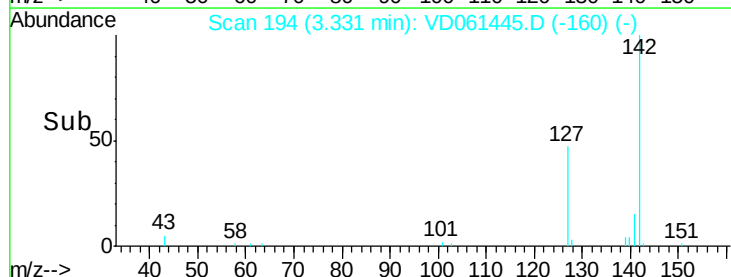
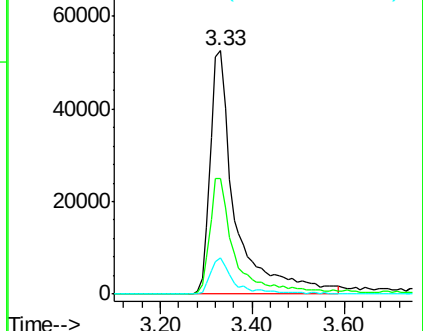
141 14.9 11.5 17.3

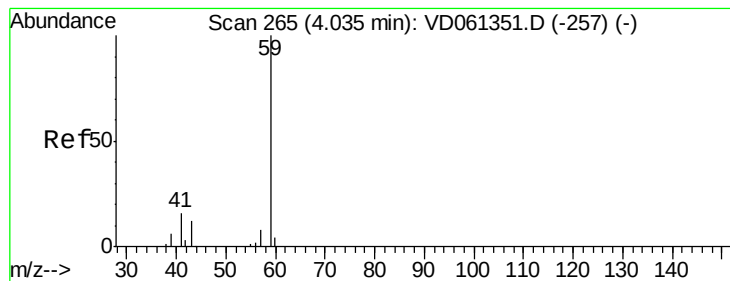


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



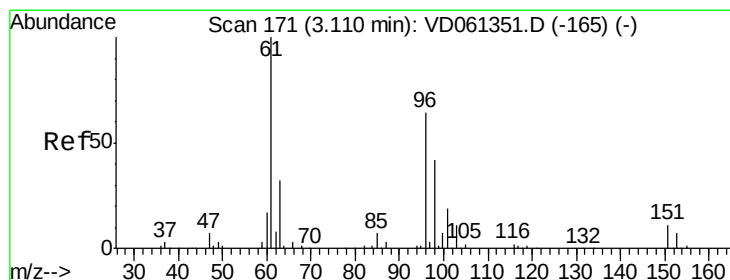
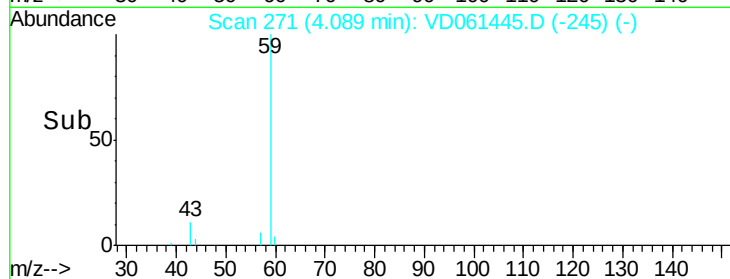
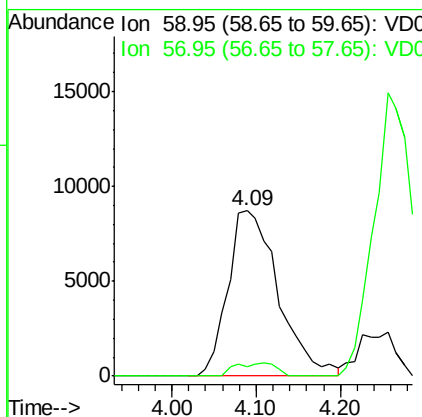
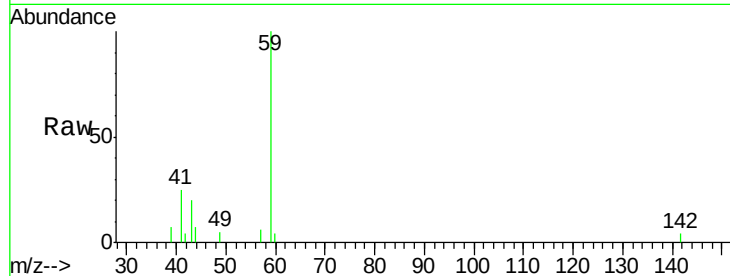


#11

Tert butyl alcohol
Concen: 99.979 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

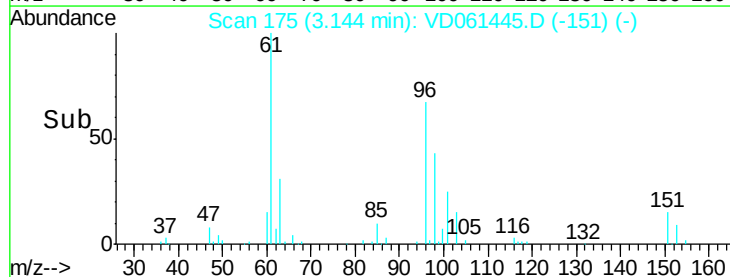
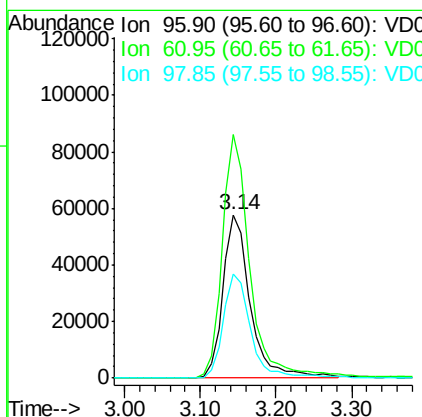
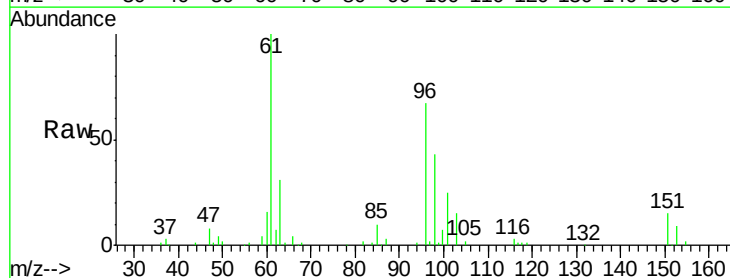
Tot Ion: 59 Resp: 36441
Ion Ratio Lower Upper
59 100
57 6.1 6.7 10.1#

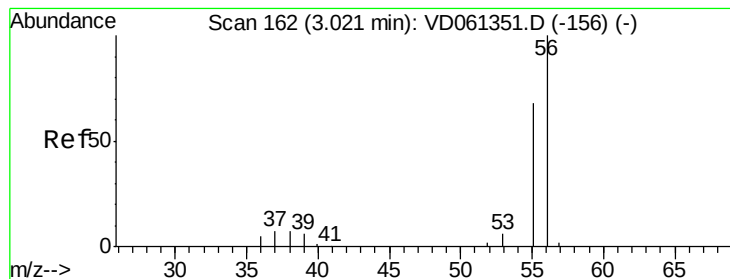


#12

1,1-Dichloroethene
Concen: 19.736 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 96 Resp: 145140
Ion Ratio Lower Upper
96 100
61 149.2 124.9 187.3
98 63.5 52.5 78.7





#13

Acrolein

Concen: 89.829 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

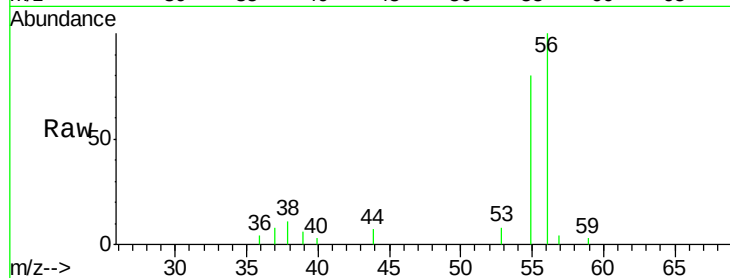
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 29023

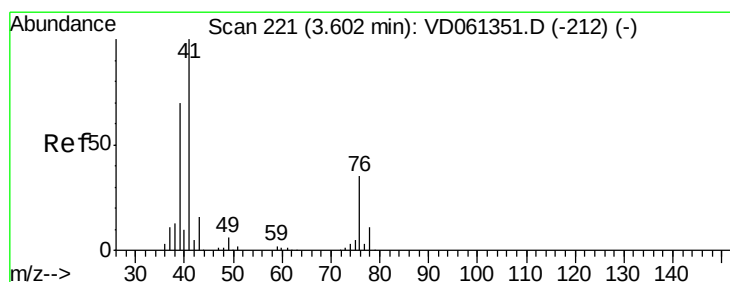
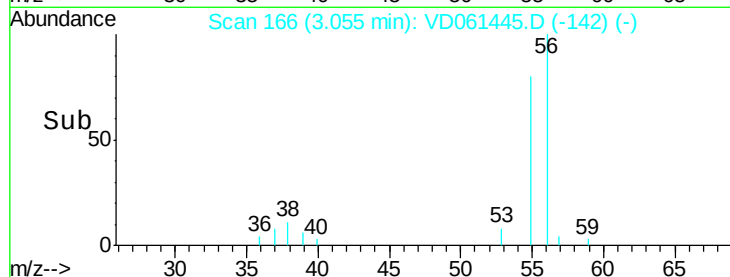
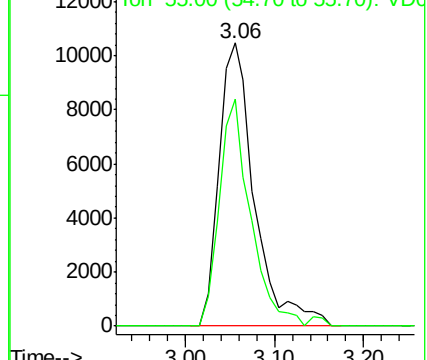
Ion Ratio Lower Upper

56 100

55 80.0 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.279 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.04 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

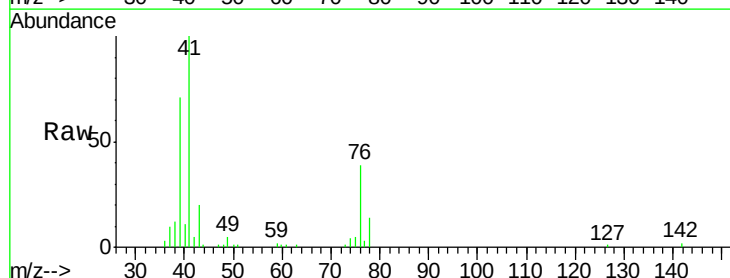
Tgt Ion: 41 Resp: 197743

Ion Ratio Lower Upper

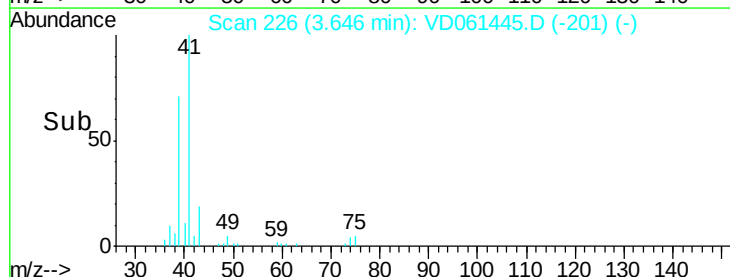
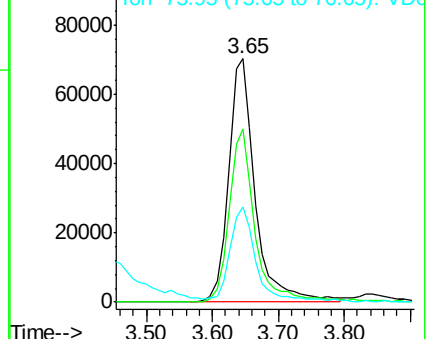
41 100

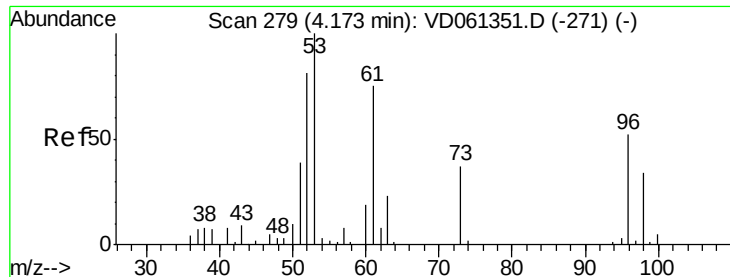
39 71.2 55.6 83.4

76 39.2 31.0 46.6



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: 97.916 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.04 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

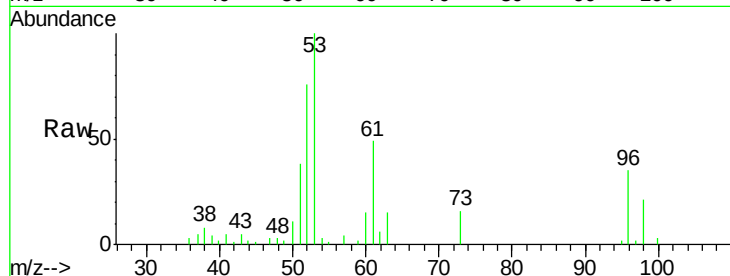
Tot Ion: 53 Resp: 123869

Ion Ratio Lower Upper

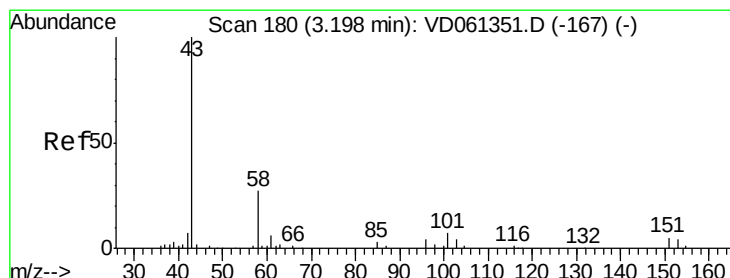
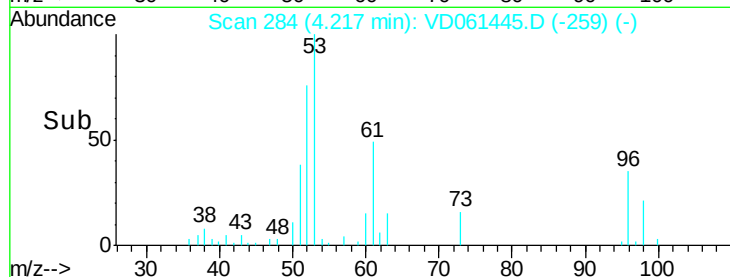
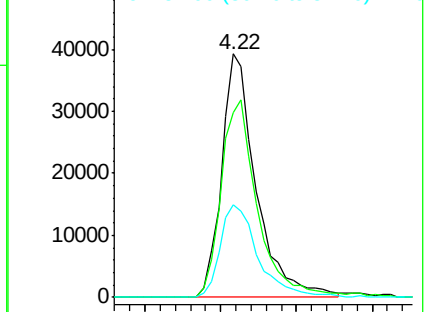
53 100

52 75.9 64.8 97.2

51 38.2 31.4 47.2



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: 91.673 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061445.D

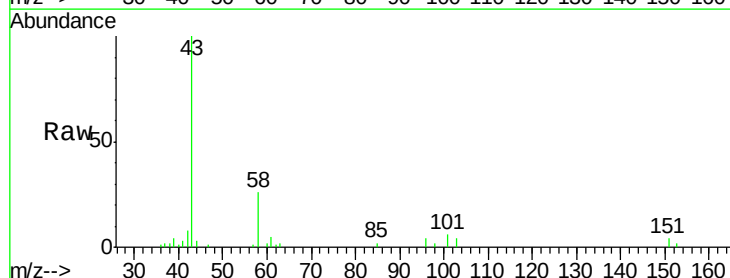
Acq: 31 Mar 2019 14:28

Tgt Ion: 43 Resp: 137924

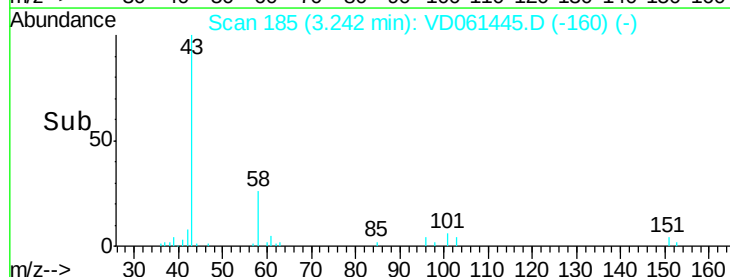
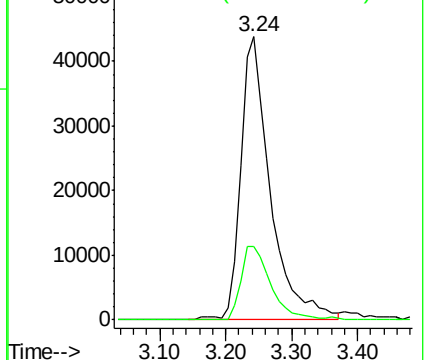
Ion Ratio Lower Upper

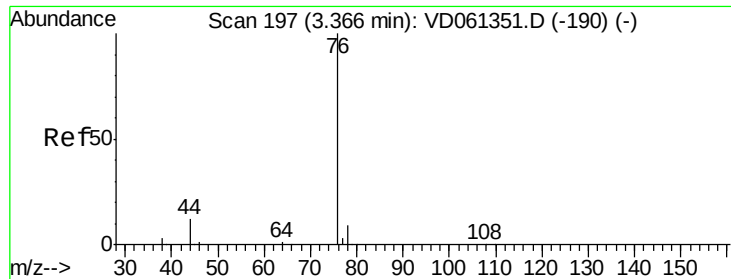
43 100

58 25.7 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.714 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

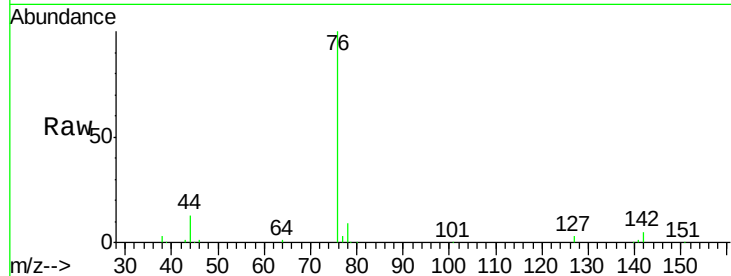
ClientSampleId :

Tot Ion: 76 Resp: 447143

Ion Ratio Lower Upper

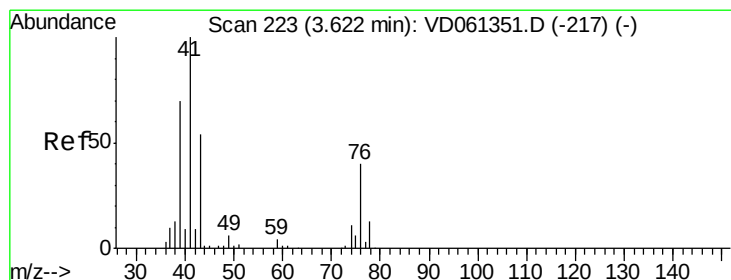
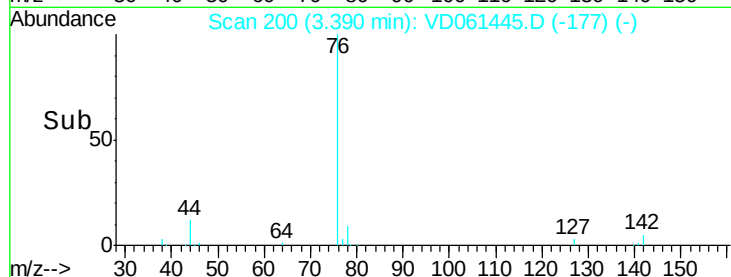
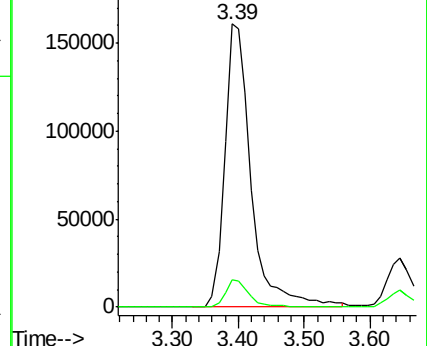
76 100

78 9.5 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.204 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD061445.D

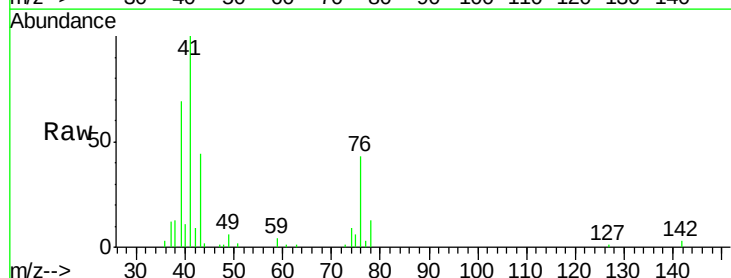
Acq: 31 Mar 2019 14:28

Tgt Ion: 43 Resp: 67076

Ion Ratio Lower Upper

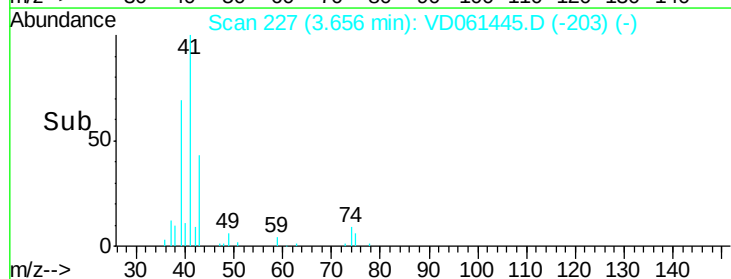
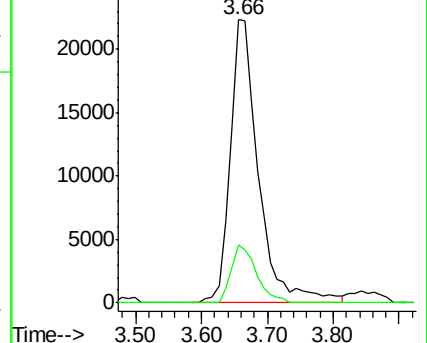
43 100

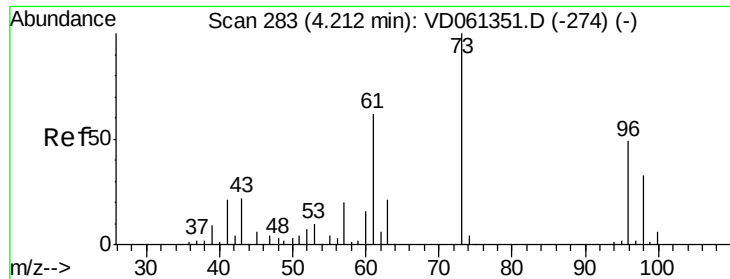
74 20.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

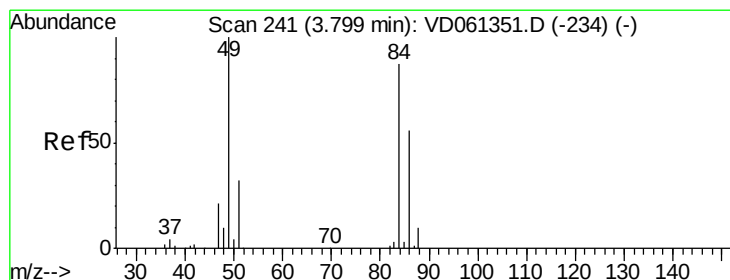
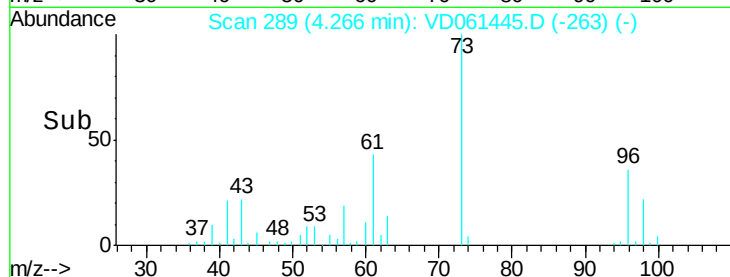
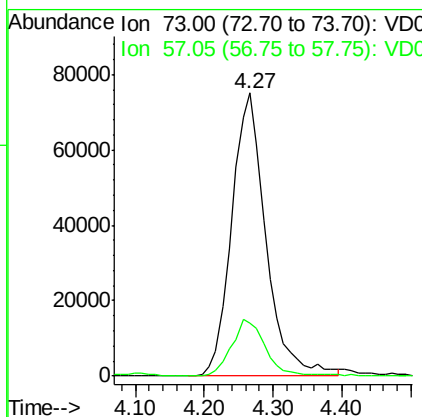
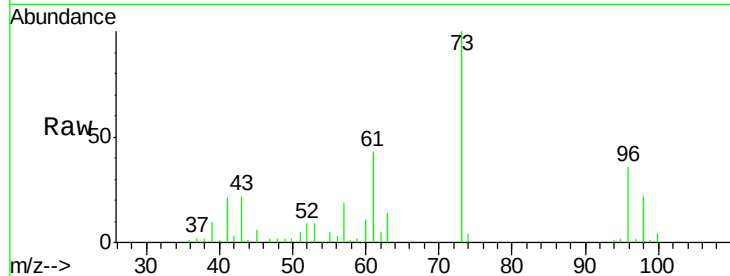




#19
Methyl tert-butyl Ether
Concen: 20.318 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

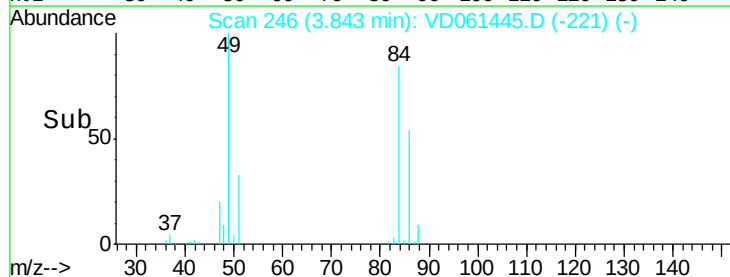
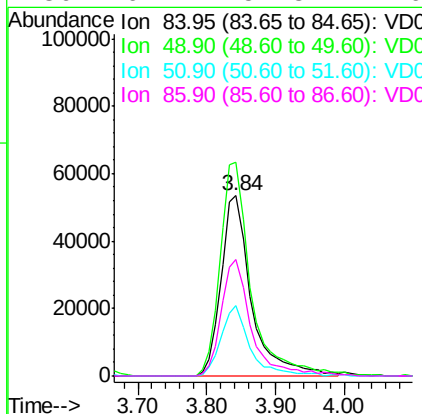
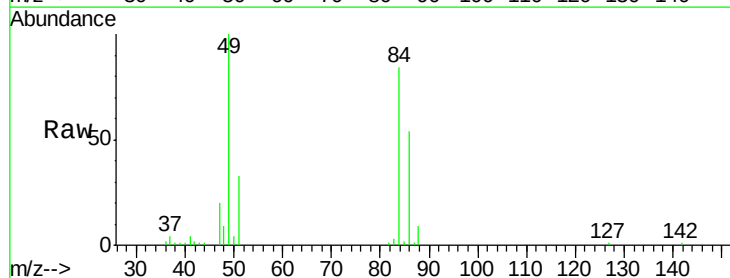
Instrument :
MSVOA_D
ClientSampled :

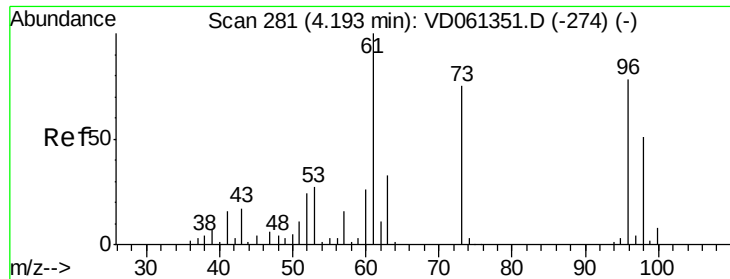
Tot Ion: 73 Resp: 258639
Ion Ratio Lower Upper
73 100
57 18.8 16.4 24.6



#20
Methylene Chloride
Concen: 18.211 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 84 Resp: 163775
Ion Ratio Lower Upper
84 100
49 118.4 91.8 137.8
51 38.9 29.8 44.8
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.551 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

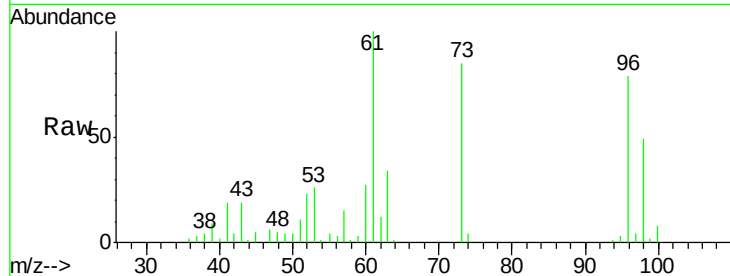
Tot Ion: 96 Resp: 155227

Ion Ratio Lower Upper

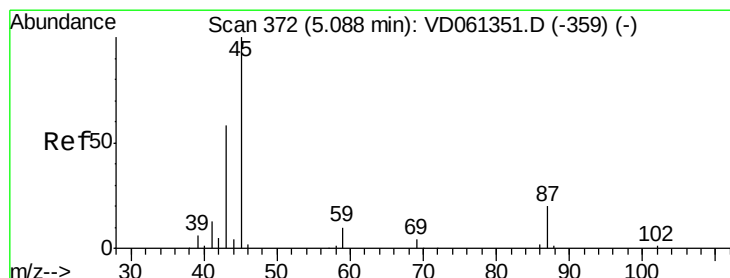
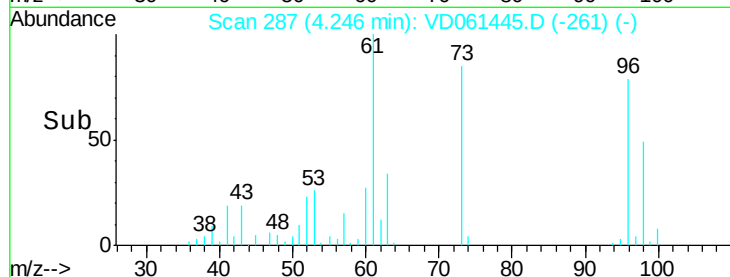
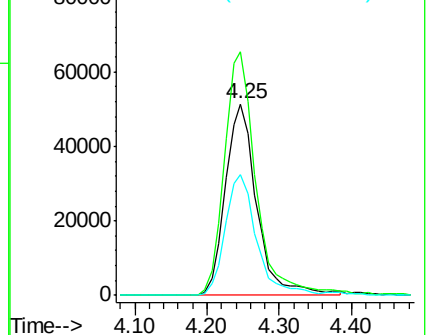
96 100

61 127.0 102.7 154.1

98 62.7 52.2 78.4



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: 20.974 ug/l

RT: 5.15 min Scan# 379

Delta R.T. 0.06 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Tgt Ion: 45 Resp: 455261

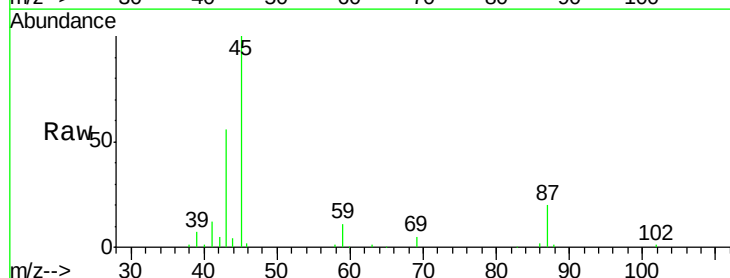
Ion Ratio Lower Upper

45 100

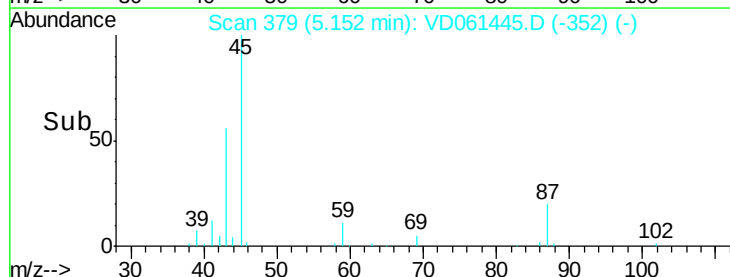
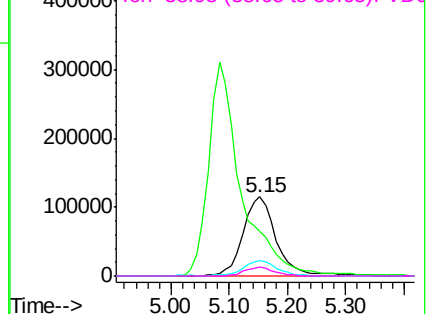
43 56.3 47.4 71.2

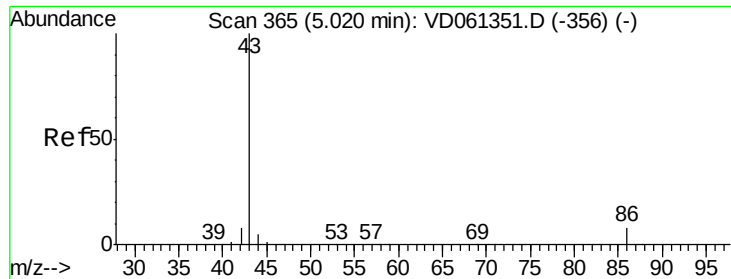
87 20.0 16.3 24.5

59 10.6 8.4 12.6



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: 100.457 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.06 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

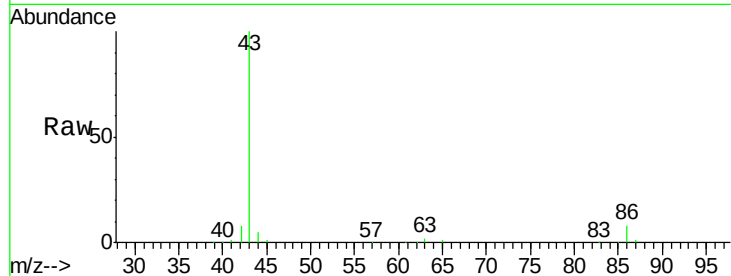
ClientSampleId :

Tot Ion: 43 Resp: 1184418

Ion Ratio Lower Upper

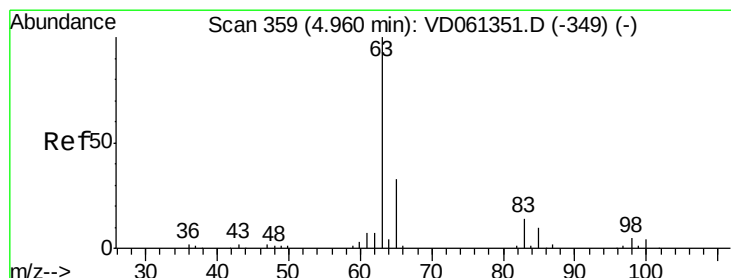
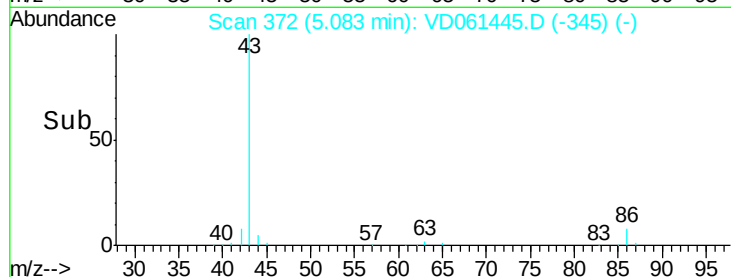
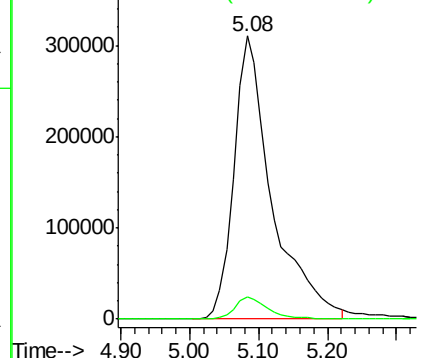
43 100

86 7.8 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.648 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

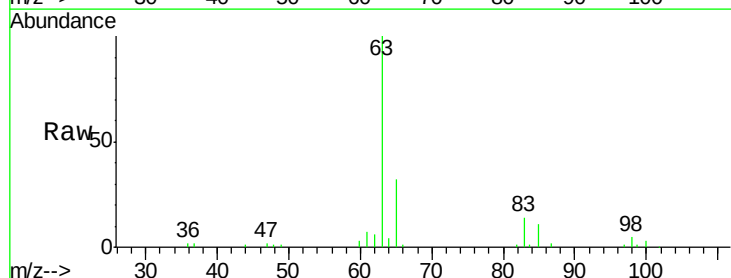
Tgt Ion: 63 Resp: 250633

Ion Ratio Lower Upper

63 100

98 5.5 2.6 8.0

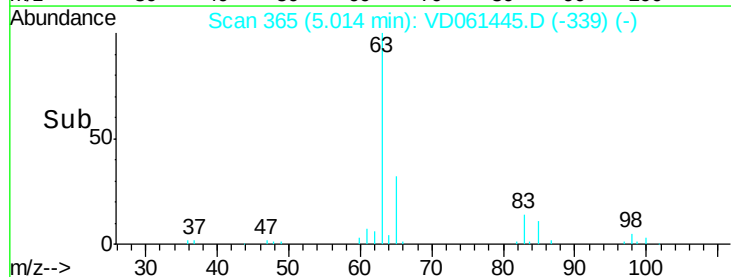
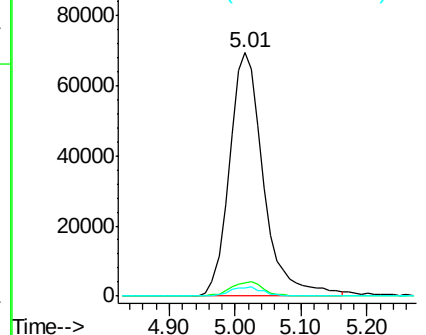
100 3.2 1.8 5.3

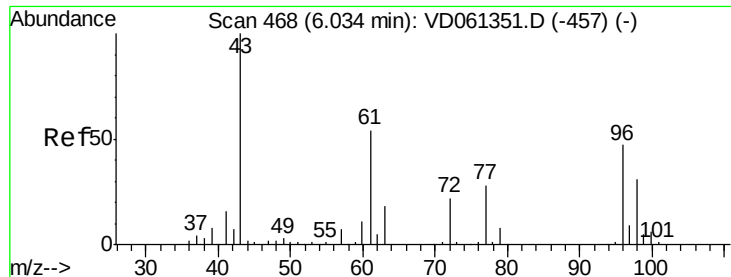


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.190 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

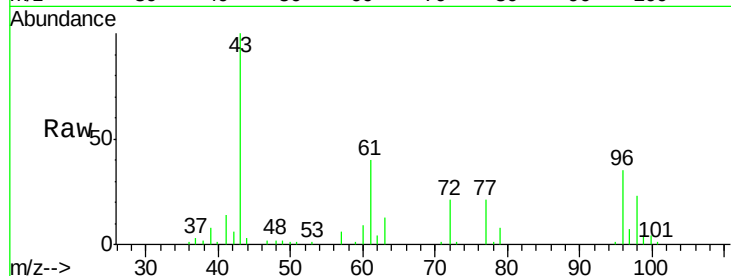
ClientSampleId :

Tot Ion: 43 Resp: 183937

Ion Ratio Lower Upper

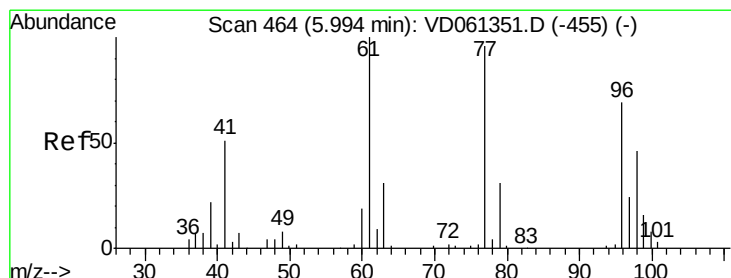
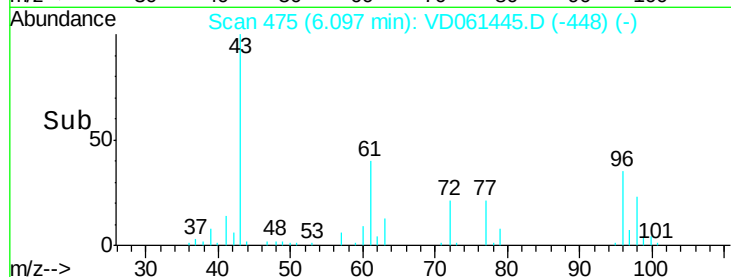
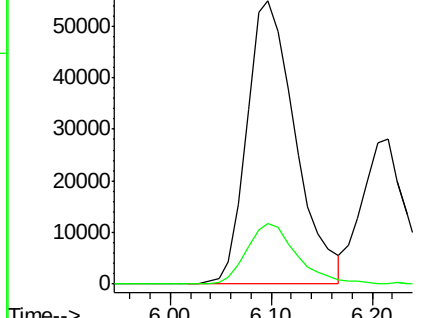
43 100

72 21.4 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.197 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.06 min

Lab File: VD061445.D

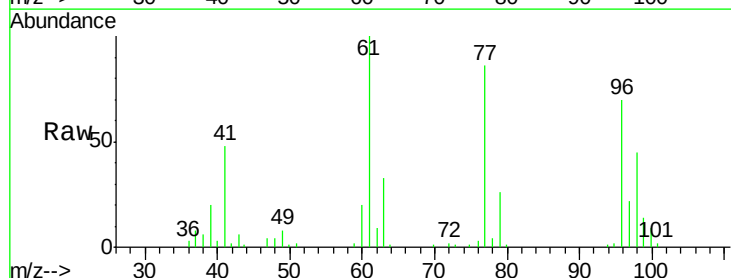
Acq: 31 Mar 2019 14:28

Tgt Ion: 77 Resp: 214946

Ion Ratio Lower Upper

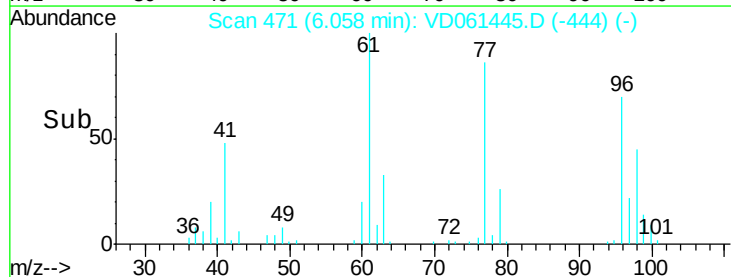
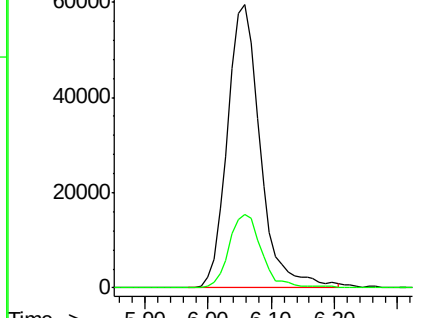
77 100

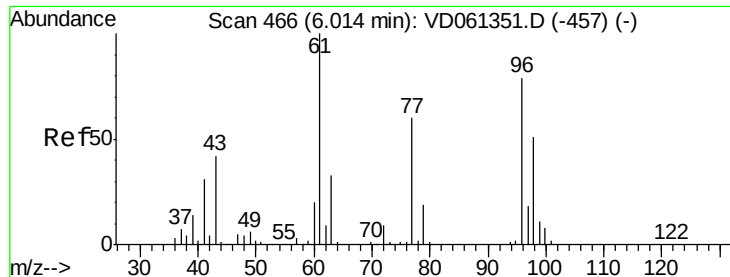
97 25.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



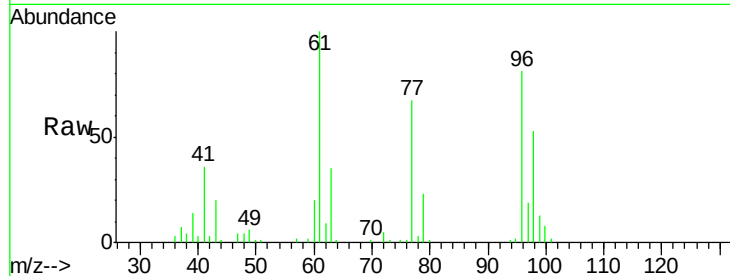


#27

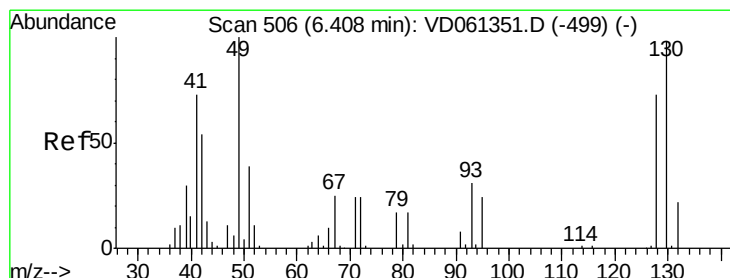
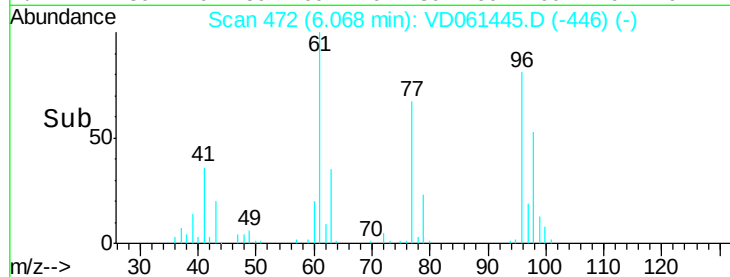
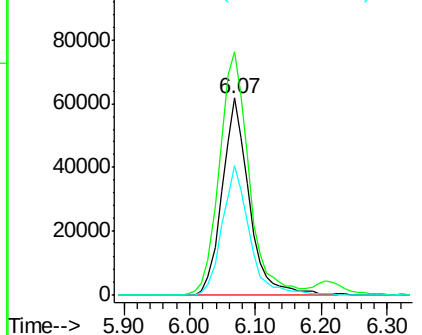
cis-1,2-Dichloroethene
Concen: 20.422 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 177646
Ion Ratio Lower Upper
96 100
61 123.6 0.0 251.6
98 66.1 0.0 129.2



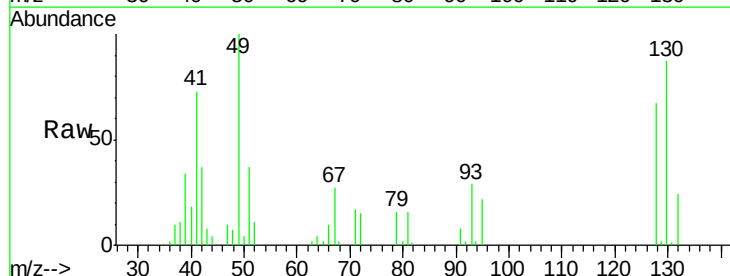
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



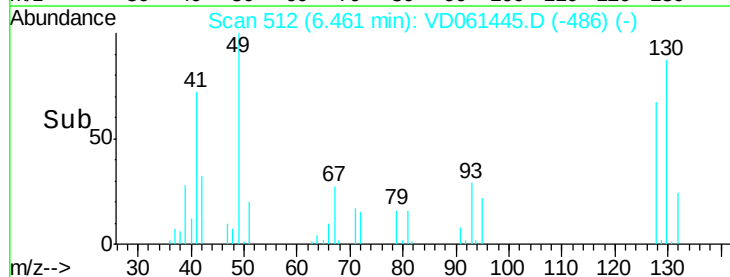
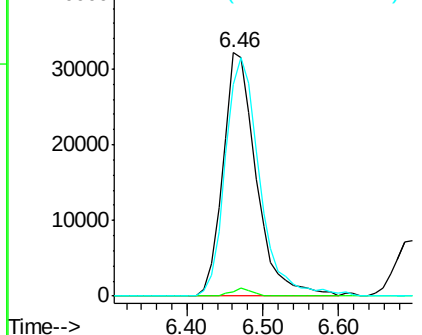
#28

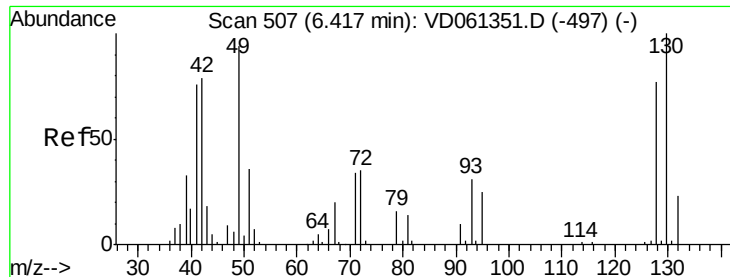
Bromochloromethane
Concen: 19.010 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 49 Resp: 97886
Ion Ratio Lower Upper
49 100
129 1.7 0.0 0.0#
130 87.1 78.4 117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

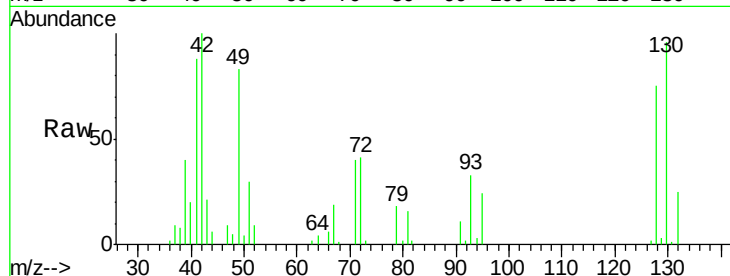




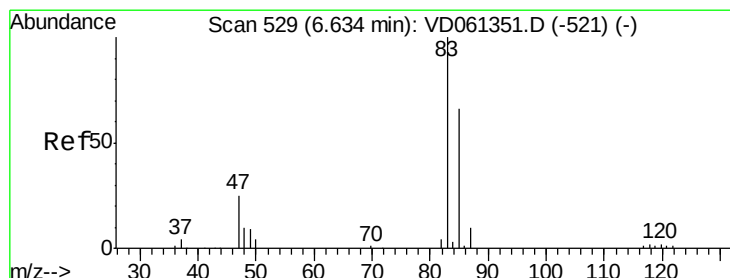
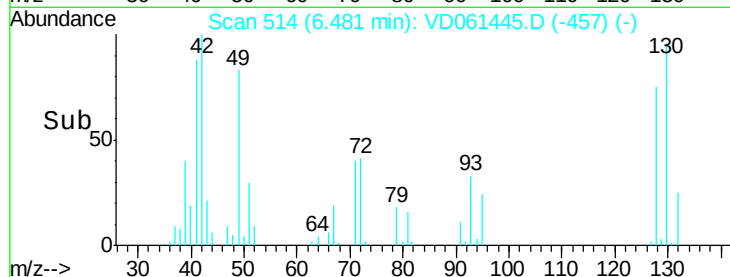
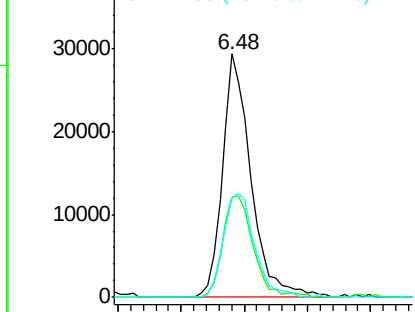
#29
Tetrahydrofuran
Concen: 99.810 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 91557
Ion Ratio Lower Upper
42 100
72 44.6 37.4 56.0
71 46.4 36.7 55.1

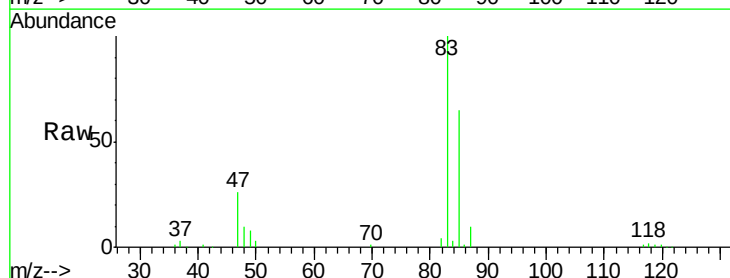


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

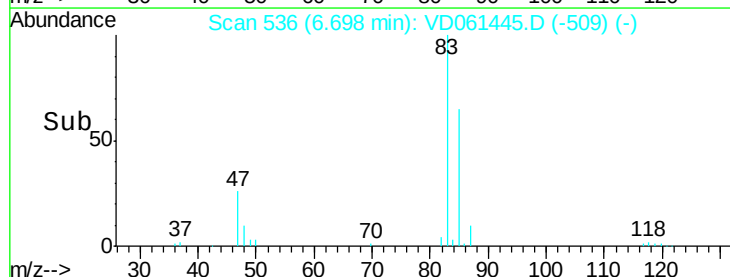
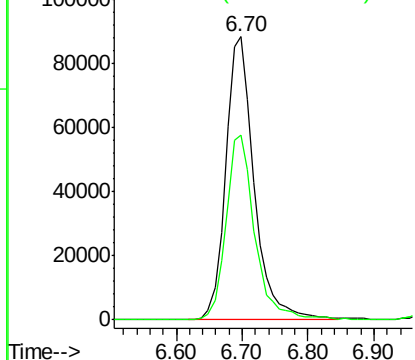


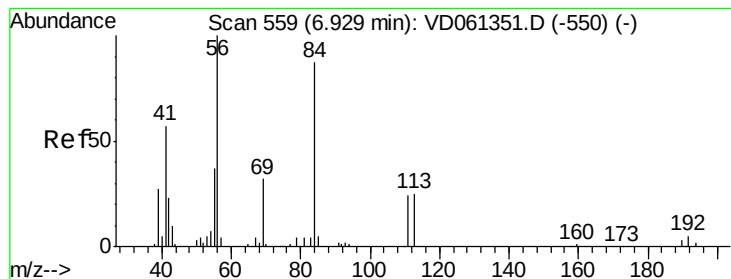
#30
Chloroform
Concen: 20.284 ug/l
RT: 6.70 min Scan# 536
Delta R.T. 0.06 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 83 Resp: 267351
Ion Ratio Lower Upper
83 100
85 65.4 53.0 79.4



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





#31

Cyclohexane

Concen: 18.494 ug/l

RT: 6.99 min Scan# 566

Delta R.T. 0.06 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

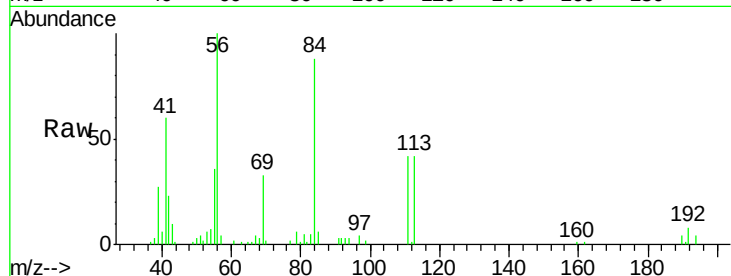
Tot Ion: 56 Resp: 186421

Ion Ratio Lower Upper

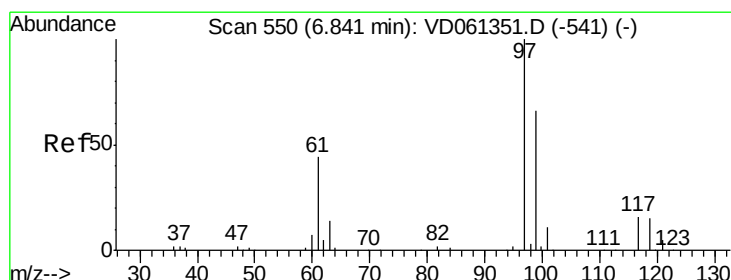
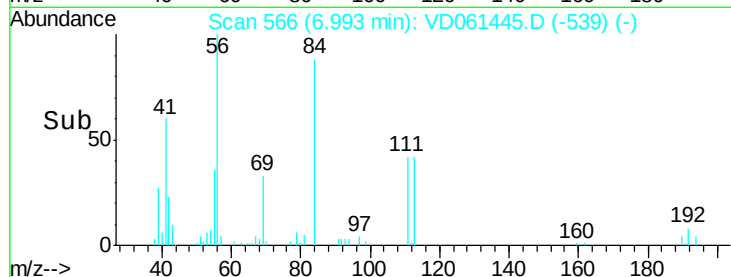
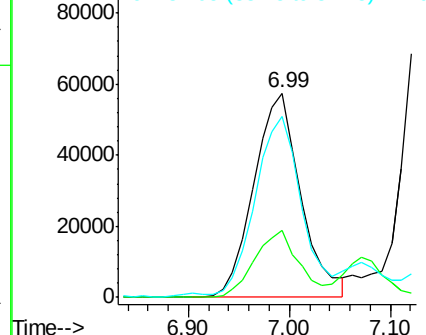
56 100

69 33.0 25.7 38.5

84 88.4 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 19.936 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.06 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

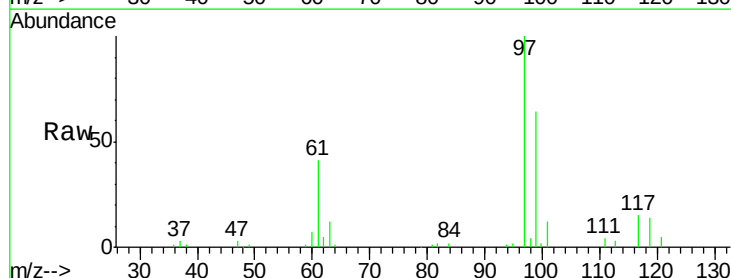
Tgt Ion: 97 Resp: 231825

Ion Ratio Lower Upper

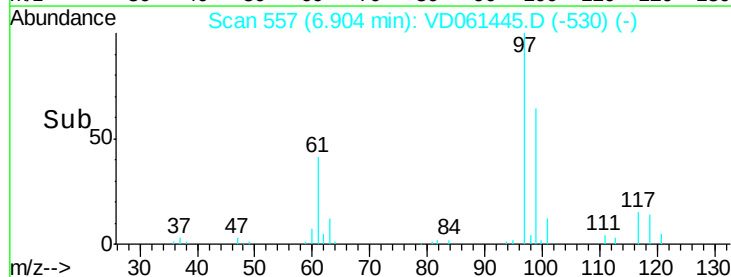
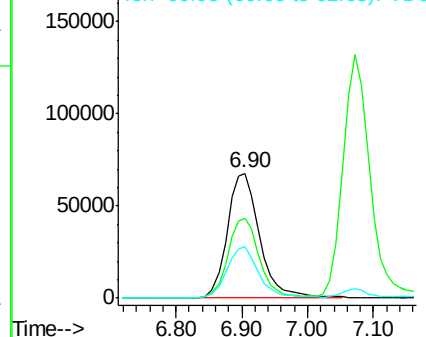
97 100

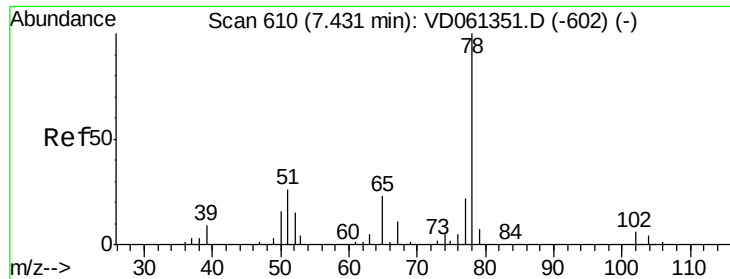
99 63.9 53.1 79.7

61 41.2 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

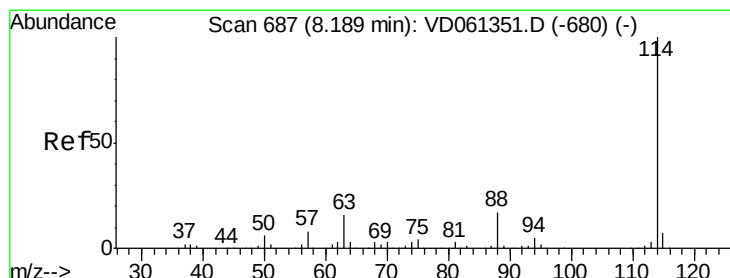
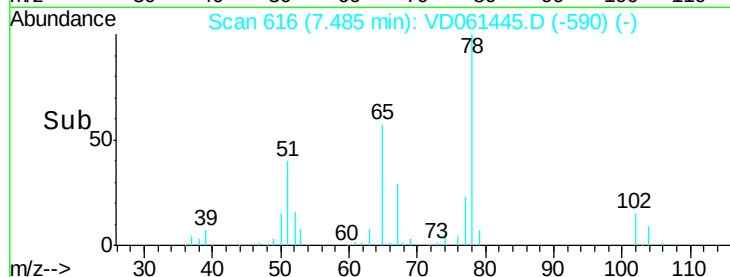
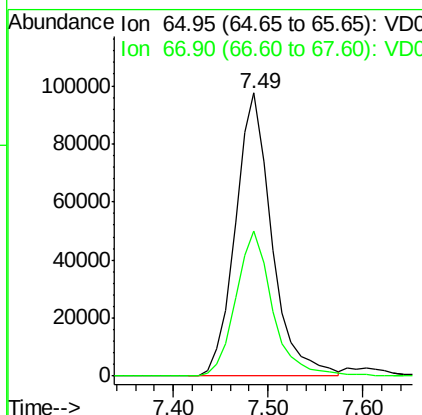
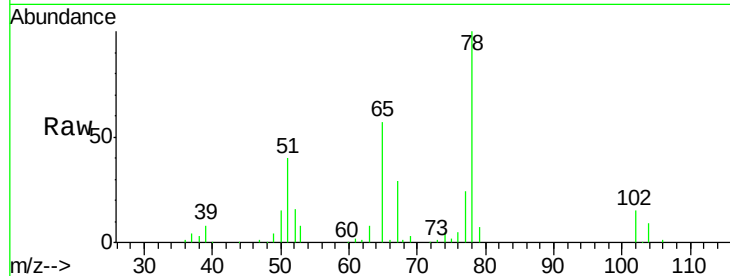




#33
 1,2-Dichloroethane-d4
 Concen: 19.936 ug/l
 RT: 7.49 min Scan# 616
 Delta R.T. 0.05 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

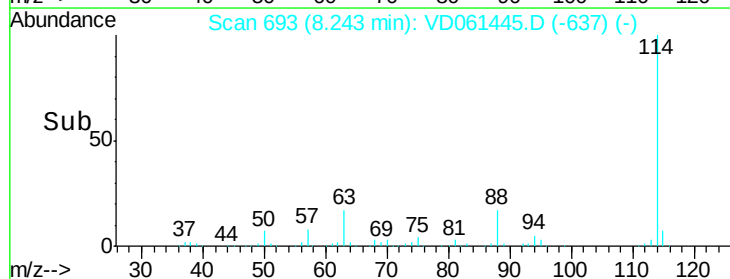
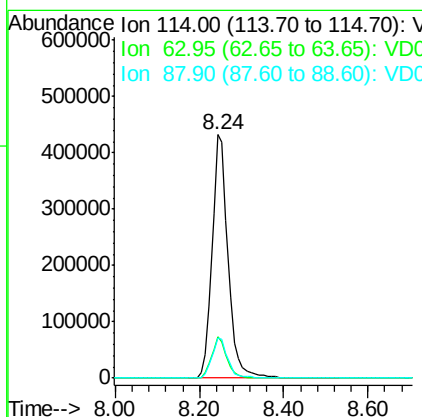
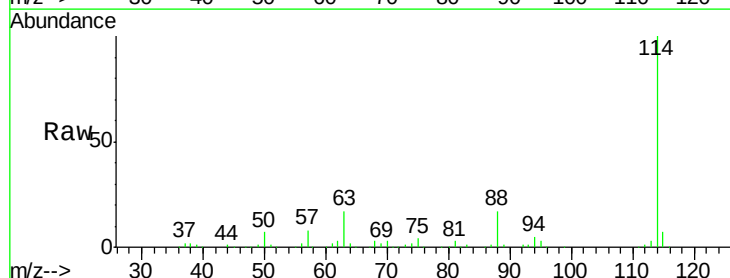
Instrument :
 MSVOA_D
 ClientSampled :

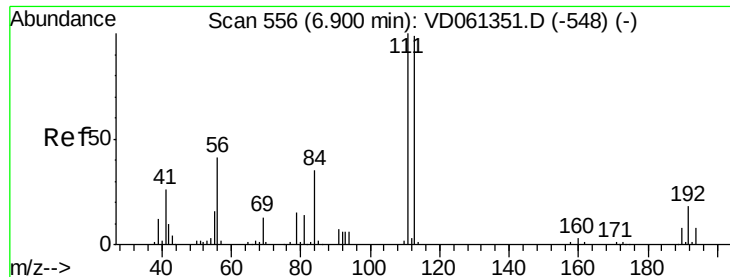
Tot Ion: 65 Resp: 259269
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion: 114 Resp: 1133579
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 31.6
 88 16.6 0.0 33.4

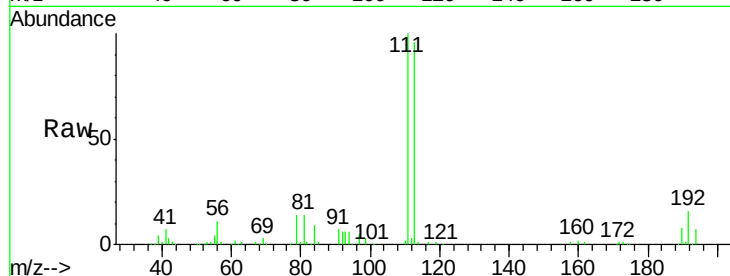




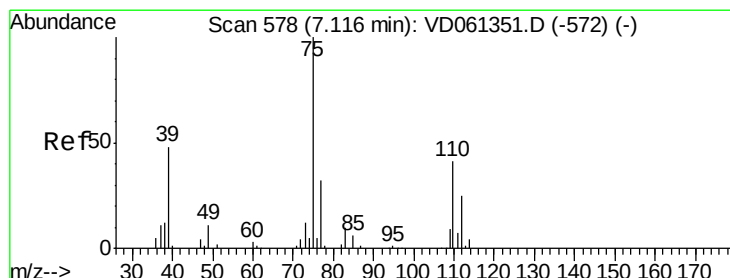
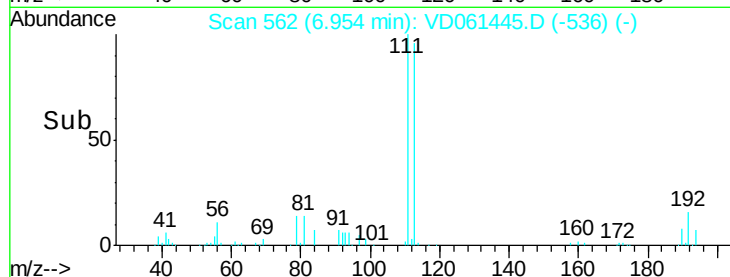
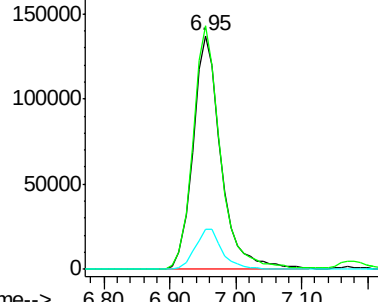
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 406777
Ion Ratio Lower Upper
113 100
111 104.2 81.0 121.6
192 17.2 14.4 21.6

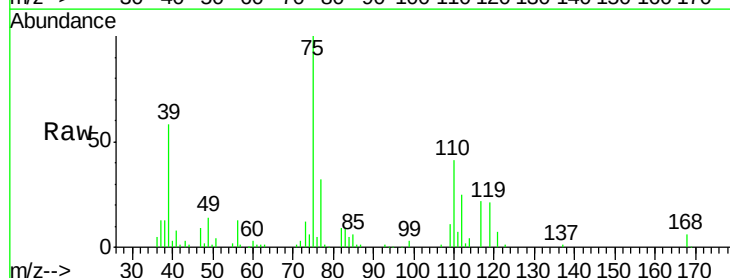


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

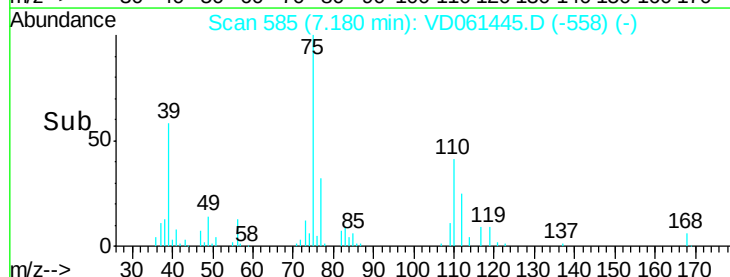
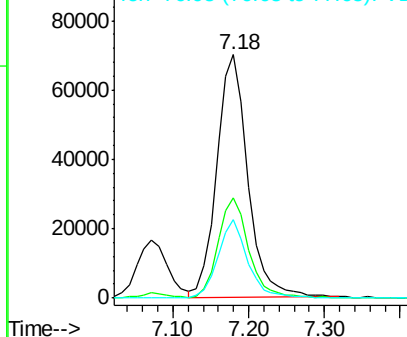


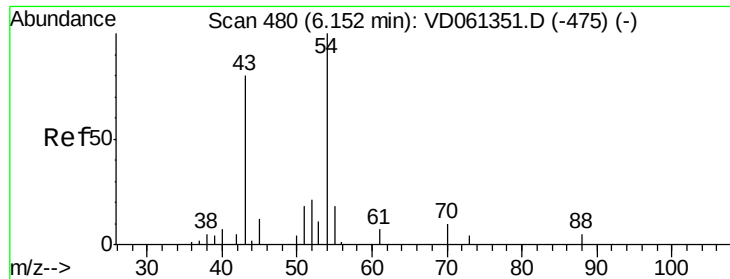
#36
1,1-Dichloropropene
Concen: 20.082 ug/l
RT: 7.18 min Scan# 585
Delta R.T. 0.06 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 75 Resp: 198686
Ion Ratio Lower Upper
75 100
110 41.4 20.4 61.3
77 32.3 24.9 37.3



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

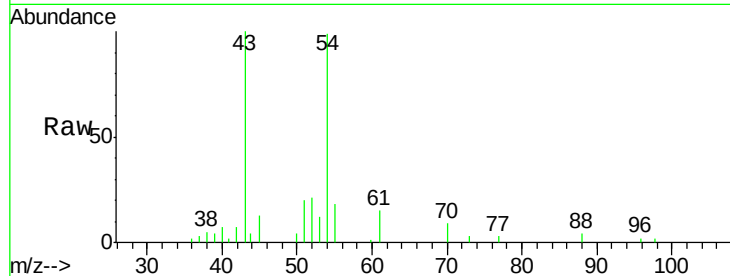




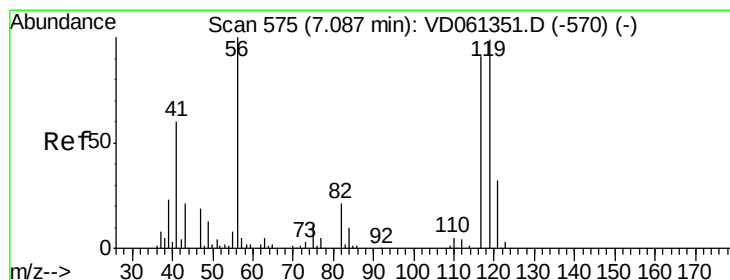
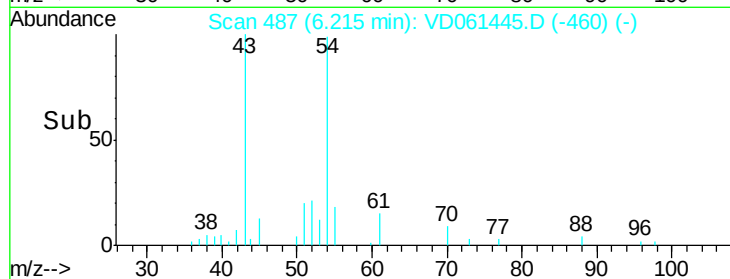
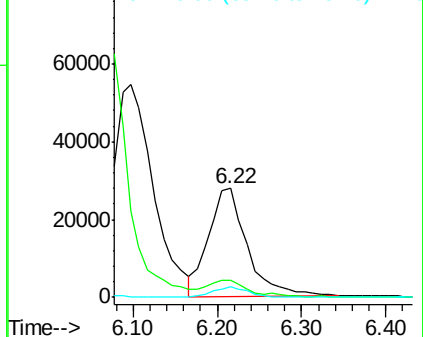
#37
Ethyl Acetate
Concen: 20.789 ug/l
RT: 6.22 min Scan# 487
Delta R.T. 0.06 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 87964
Ion Ratio Lower Upper
43 100
61 15.4 13.8 20.8
70 9.4 7.8 11.8

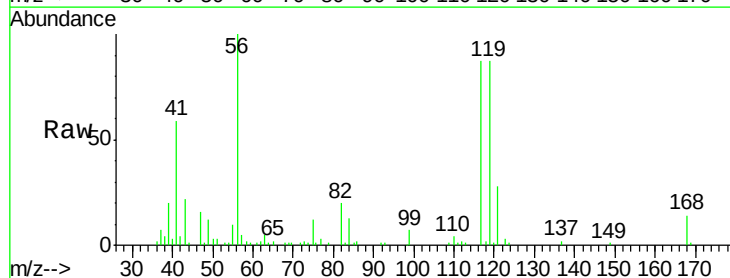


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

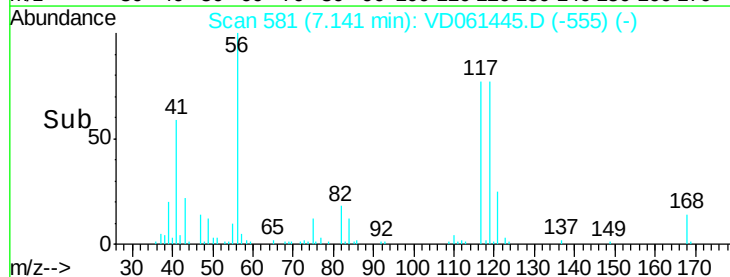
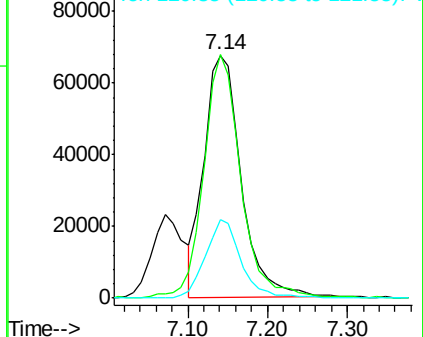


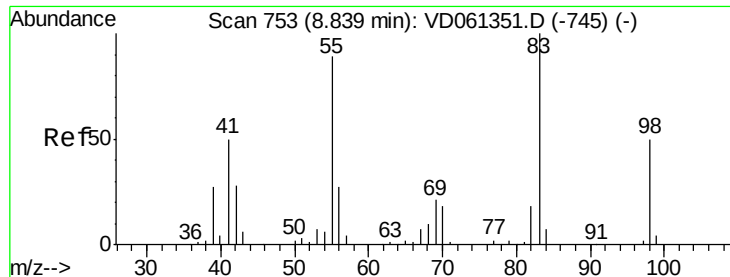
#38
Carbon Tetrachloride
Concen: 19.390 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 117 Resp: 220444
Ion Ratio Lower Upper
117 100
119 100.3 80.1 120.1
121 32.6 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

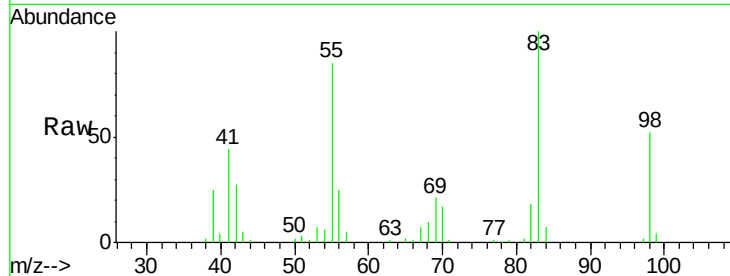




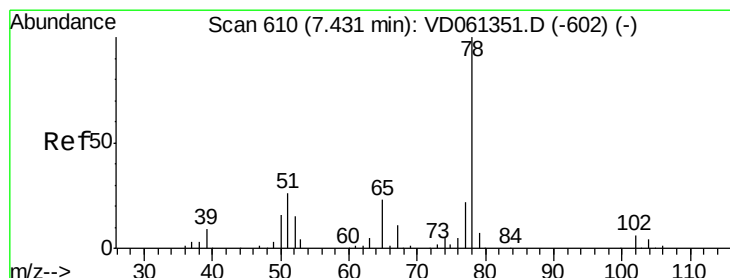
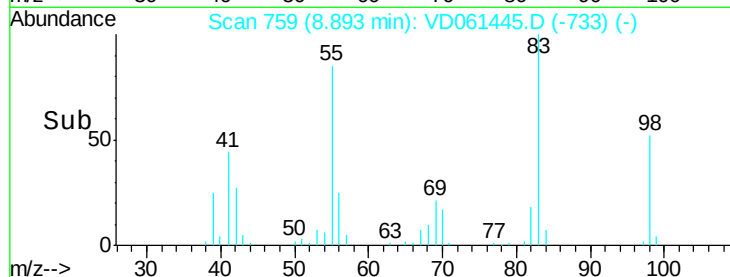
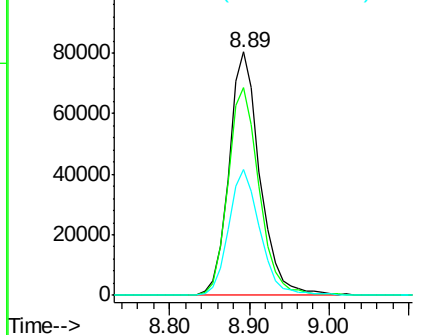
#39
Methylvlcyclohexane
Concen: 21.045 ug/l
RT: 8.89 min Scan# 759
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 216851
Ion Ratio Lower Upper
83 100
55 85.5 71.5 107.3
98 51.7 40.3 60.5

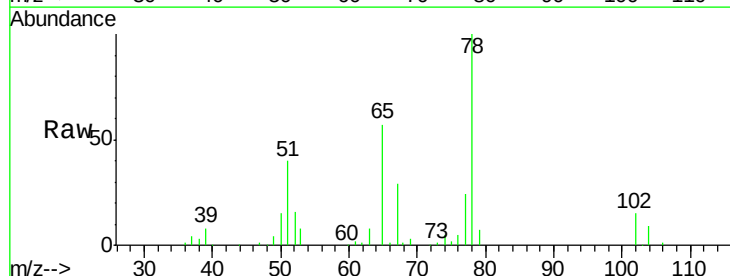


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

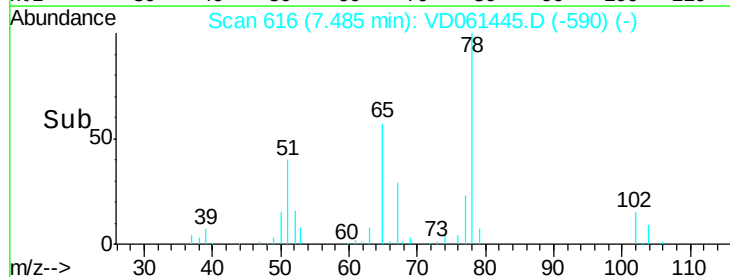
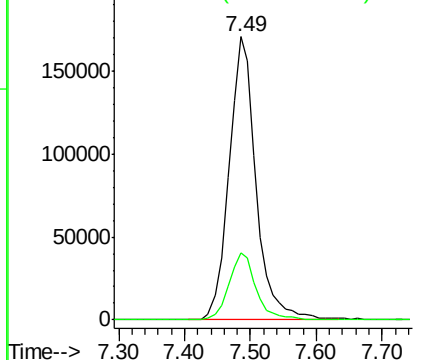


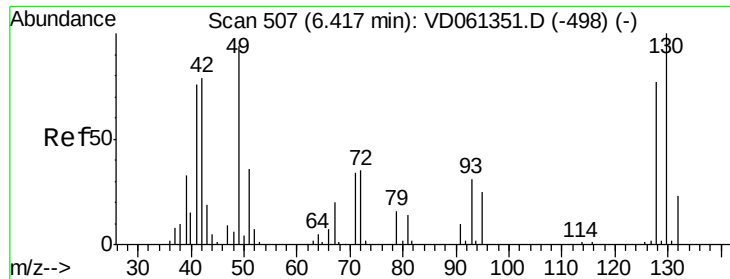
#40
Benzene
Concen: 19.665 ug/l
RT: 7.49 min Scan# 616
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 78 Resp: 488295
Ion Ratio Lower Upper
78 100
77 23.7 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

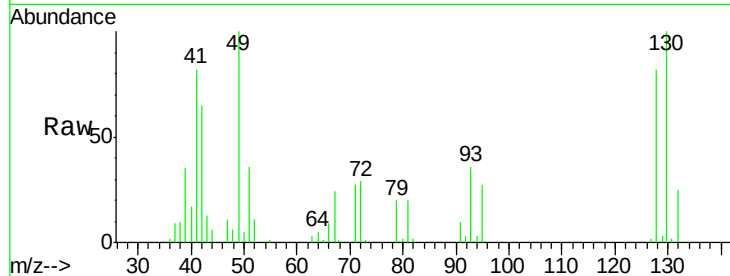




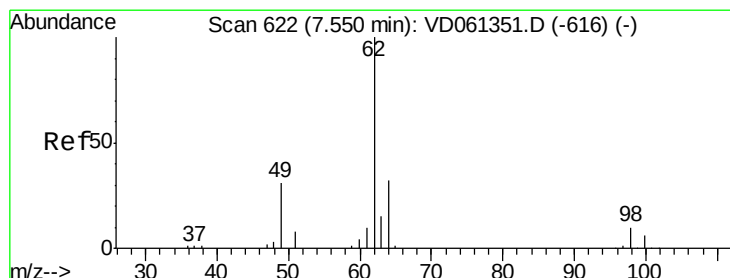
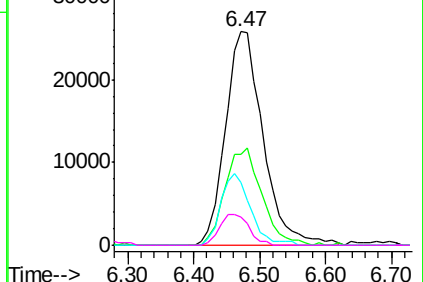
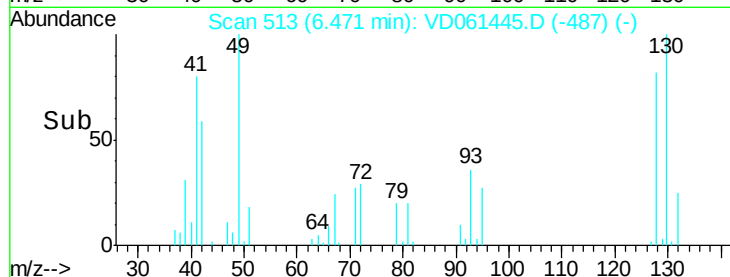
#41
Methacrylonitrile
Concen: 20.923 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 103515
Ion Ratio Lower Upper
41 100
39 42.6 35.0 52.6
67 29.1 21.0 31.6
52 13.2 7.7 11.5#

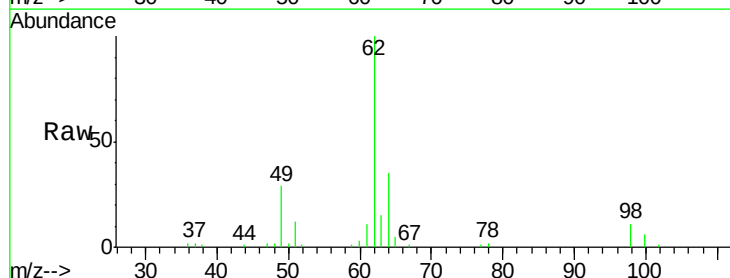


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

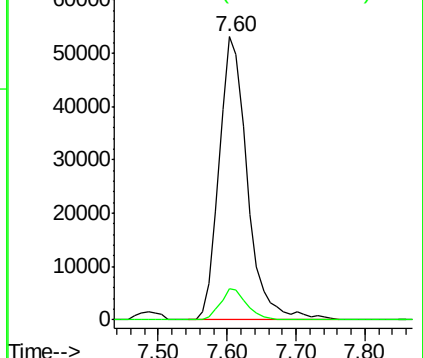
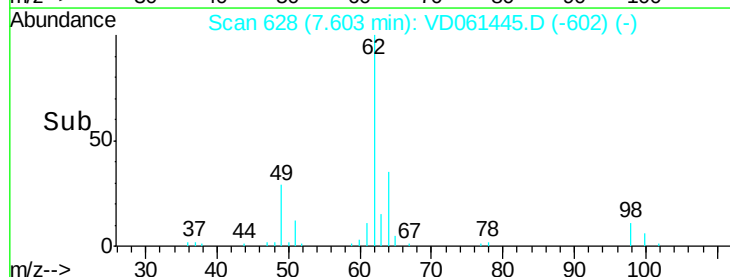


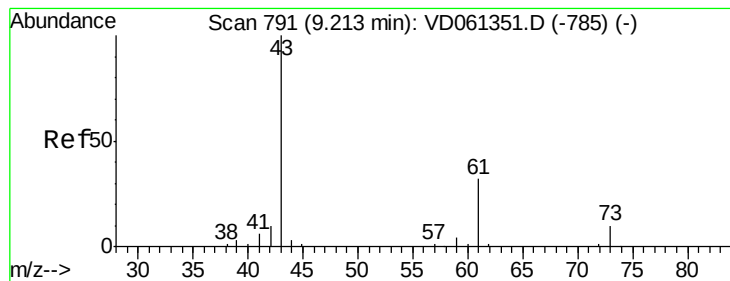
#42
1,2-Dichloroethane
Concen: 20.329 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 62 Resp: 150990
Ion Ratio Lower Upper
62 100
98 10.8 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.301 ug/l

RT: 9.27 min Scan# 797

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

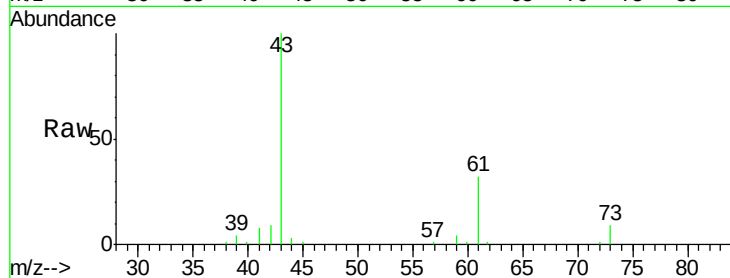
Tot Ion: 43 Resp: 124978

Ion Ratio Lower Upper

43 100

61 32.3 25.8 38.6

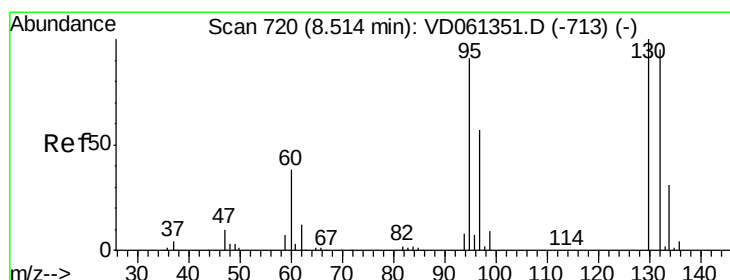
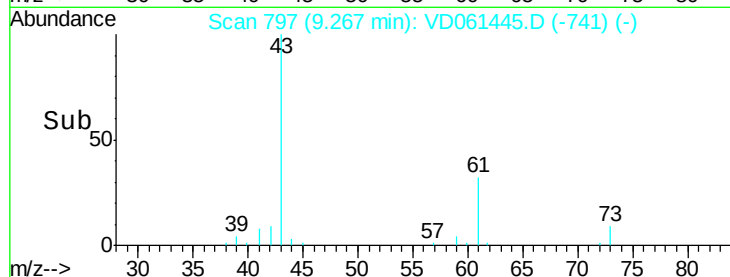
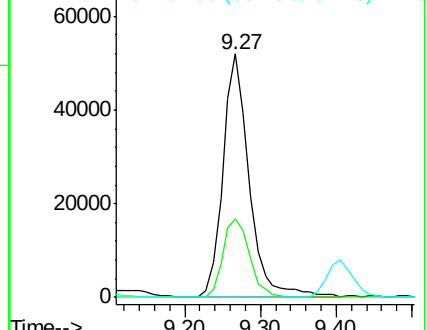
87 0.0 0.0 0.0



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: 19.583 ug/l

RT: 8.57 min Scan# 726

Delta R.T. 0.05 min

Lab File: VD061445.D

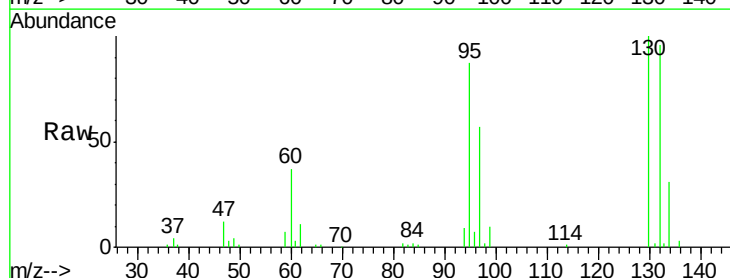
Acq: 31 Mar 2019 14:28

Tgt Ion:130 Resp: 180958

Ion Ratio Lower Upper

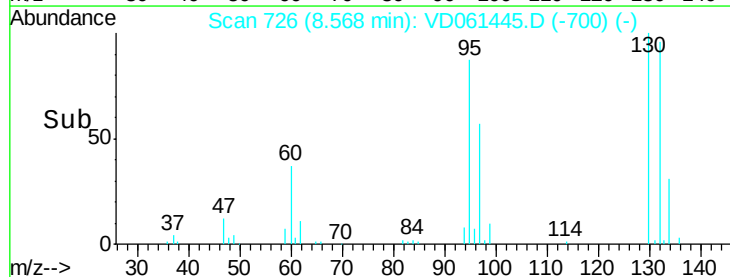
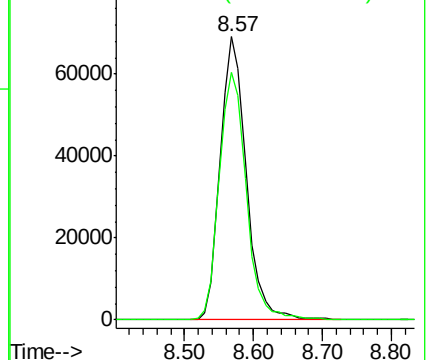
130 100

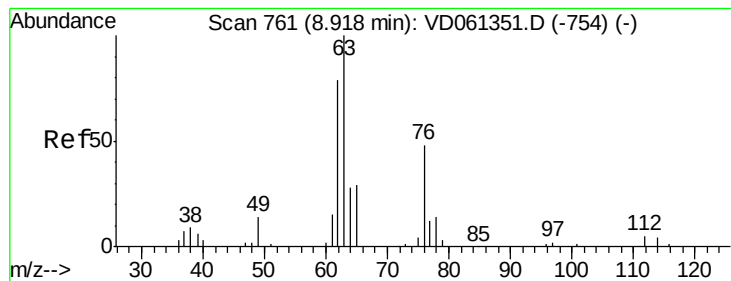
95 87.3 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.369 ug/l

RT: 8.97 min Scan# 767

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

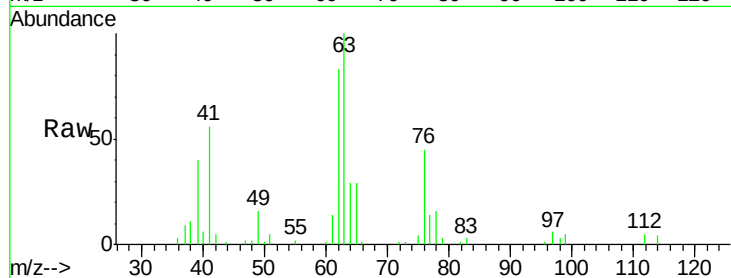
ClientSampleId :

Tot Ion: 63 Resp: 121951

Ion Ratio Lower Upper

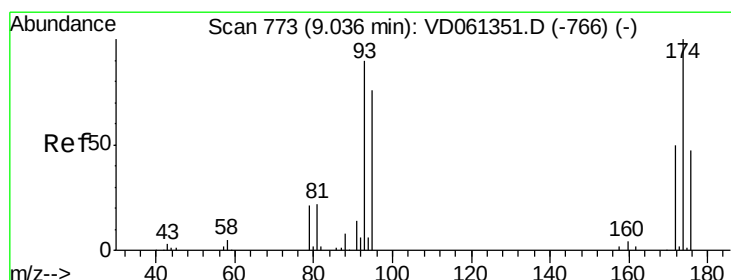
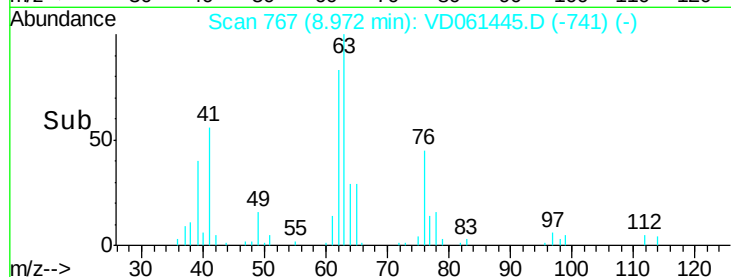
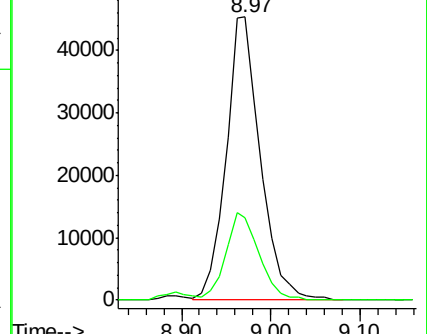
63 100

65 29.1 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.488 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

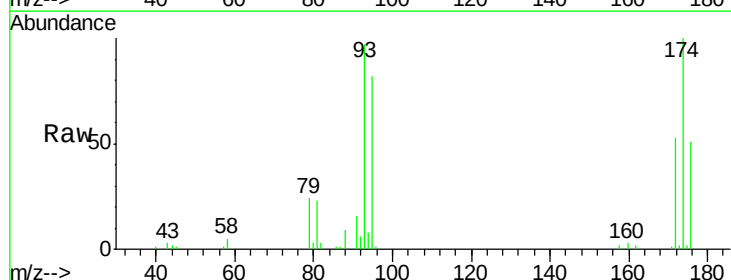
Tgt Ion: 93 Resp: 91062

Ion Ratio Lower Upper

93 100

95 84.8 67.4 101.0

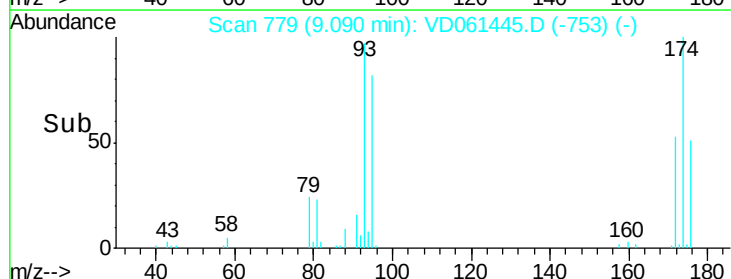
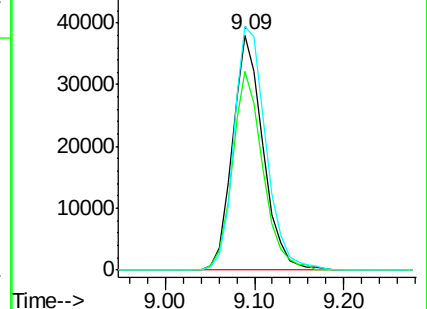
174 103.6 88.9 133.3

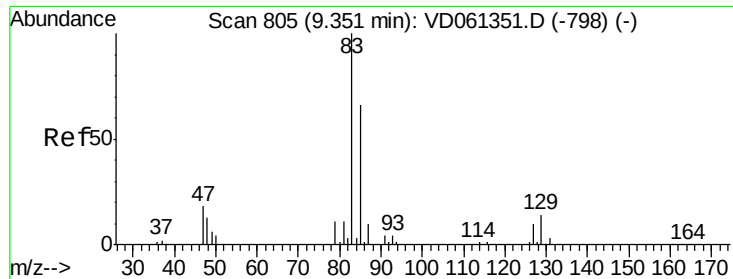


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.988 ug/l

RT: 9.40 min Scan# 811

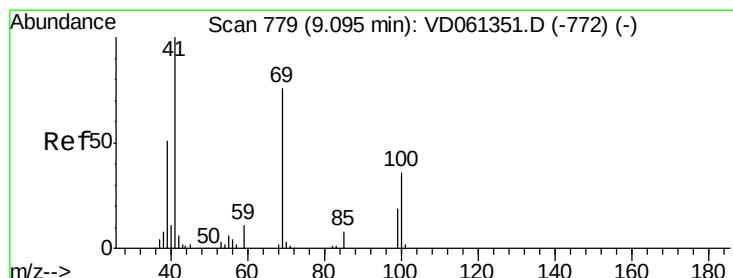
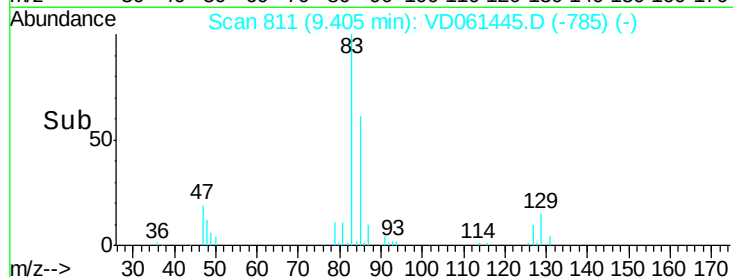
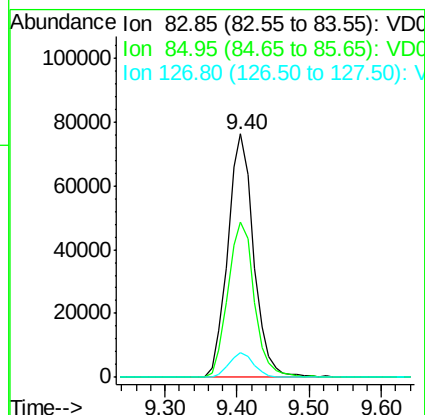
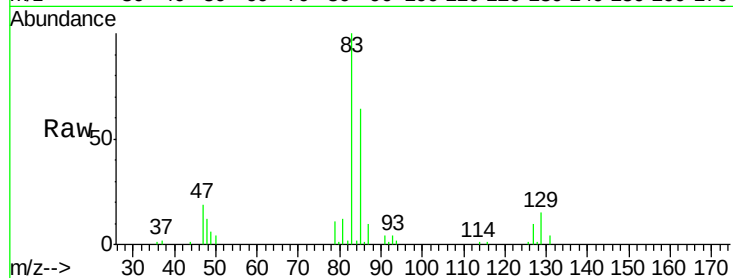
Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	83	Resp:	190119
Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.0	79.4
127	10.4	8.4	12.6



#48

Methyl methacrylate

Concen: 20.053 ug/l

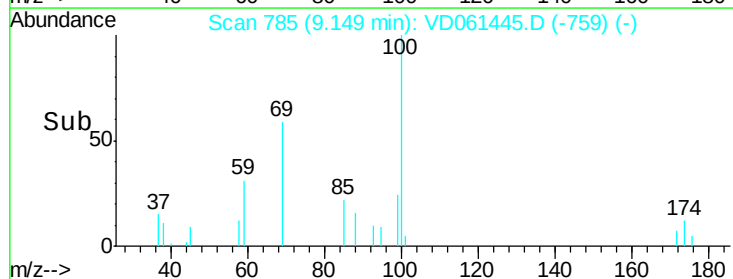
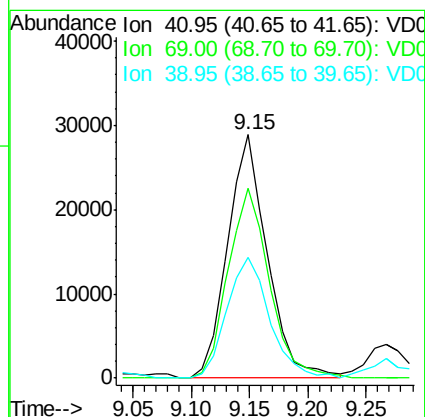
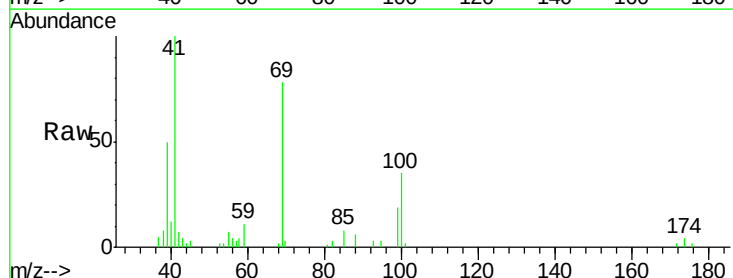
RT: 9.15 min Scan# 785

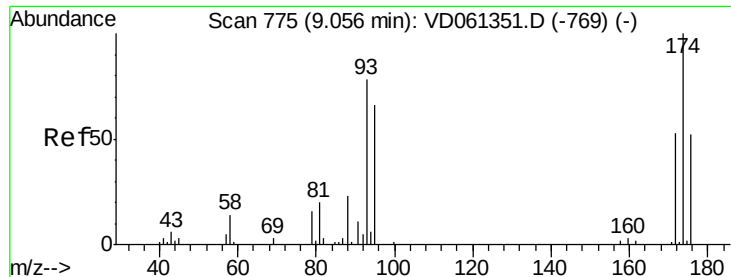
Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Tgt Ion:	41	Resp:	68132
Ion	Ratio	Lower	Upper
41	100		
69	77.8	60.2	90.4
39	49.6	41.4	62.2

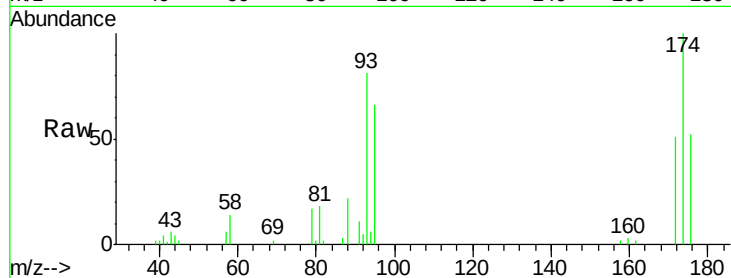




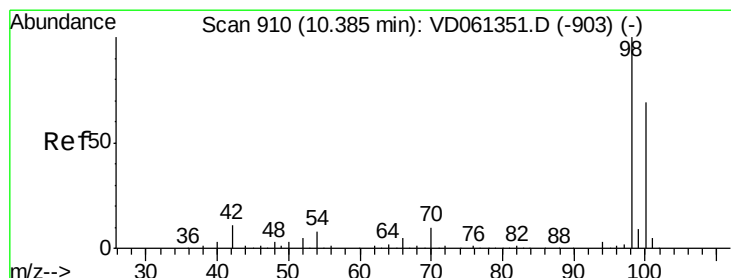
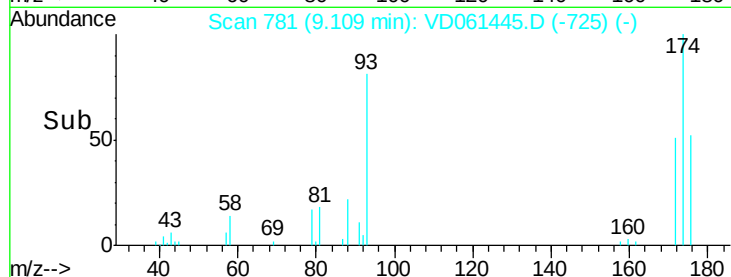
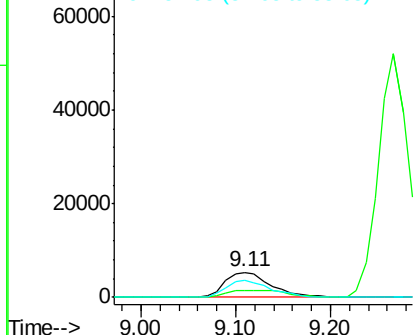
#49
1,4-Dioxane
Concen: 474.735 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 17791
Ion Ratio Lower Upper
88 100
43 26.9 23.3 34.9
58 66.7 50.8 76.2

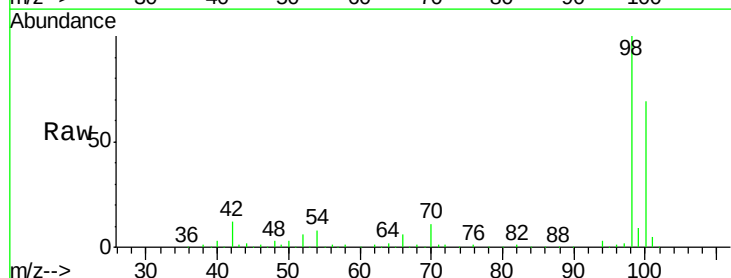


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

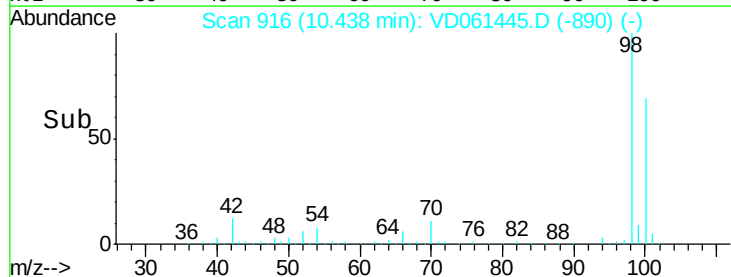
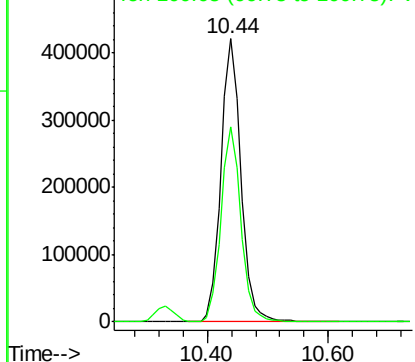


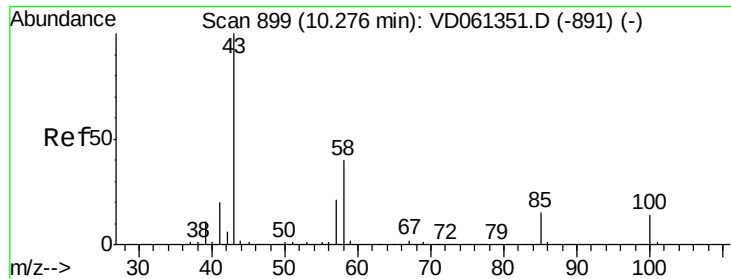
#50
Toluene-d8
Concen: 474.735 ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 98 Resp: 969087
Ion Ratio Lower Upper
98 100
100 68.7 56.2 84.2



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: 105.997 ug/l

RT: 10.33 min Scan# 905

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

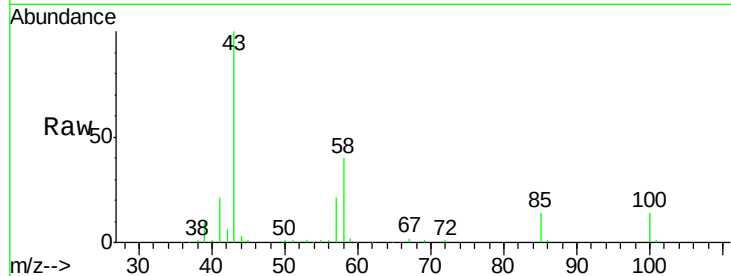
ClientSampleId :

Tot Ion: 43 Resp: 397012

Ion Ratio Lower Upper

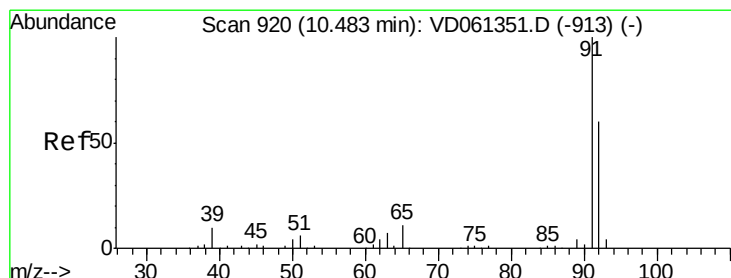
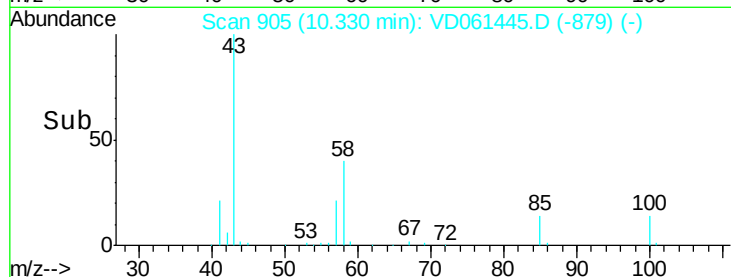
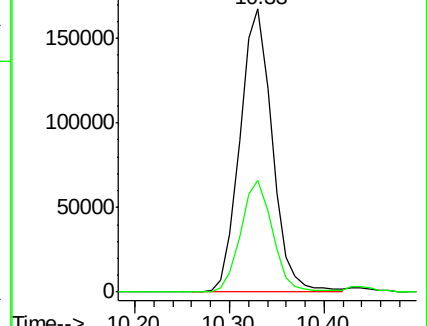
43 100

58 39.7 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.871 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.05 min

Lab File: VD061445.D

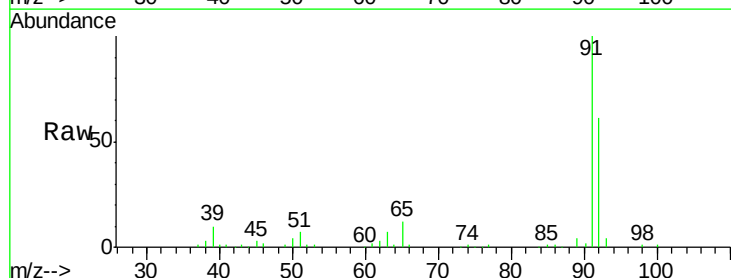
Acq: 31 Mar 2019 14:28

Tgt Ion: 92 Resp: 316165

Ion Ratio Lower Upper

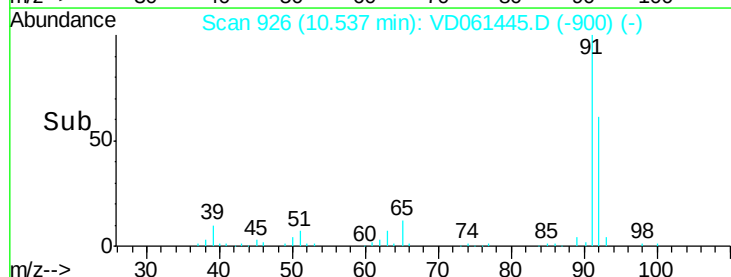
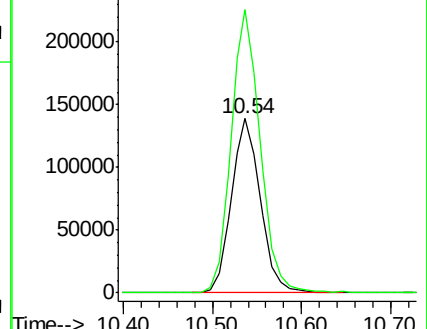
92 100

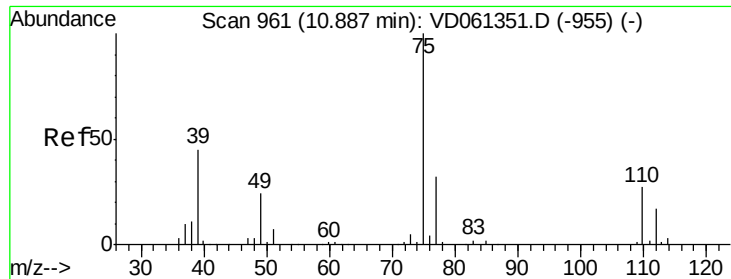
91 162.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

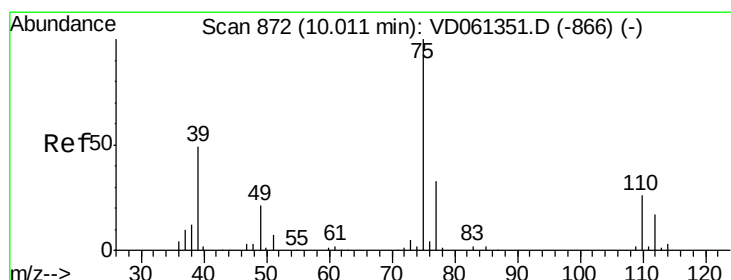
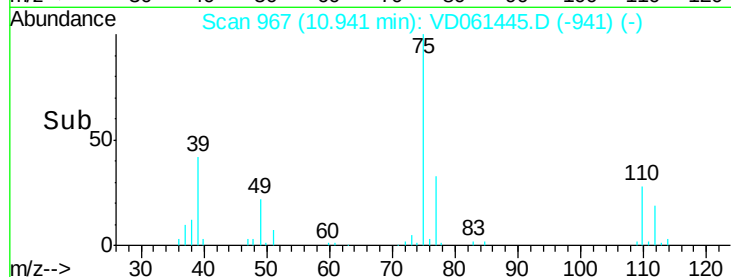
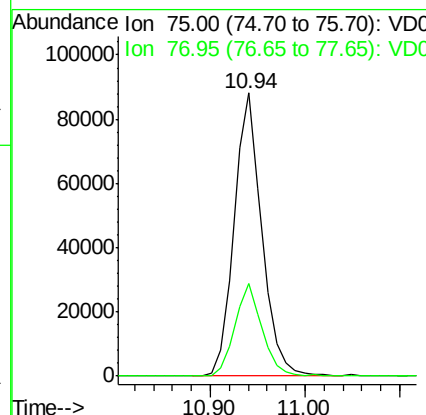
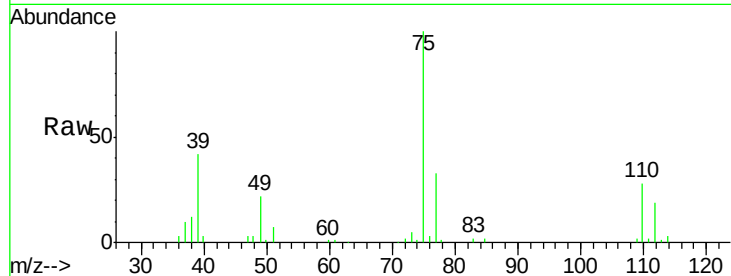




#53
 t-1,3-Dichloropropene
 Concen: 20.562 ug/l
 RT: 10.94 min Scan# 967
 Delta R.T. 0.05 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

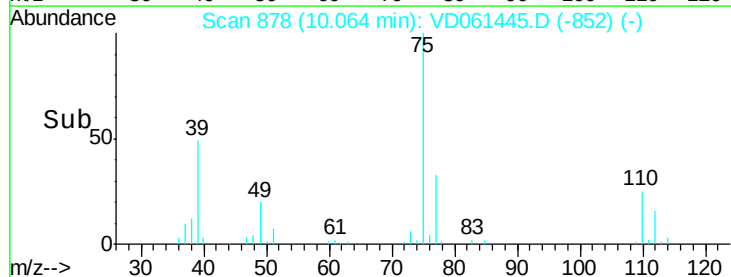
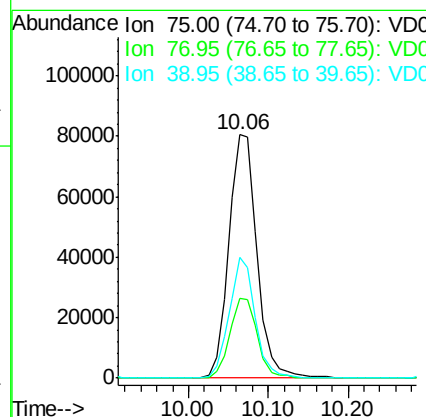
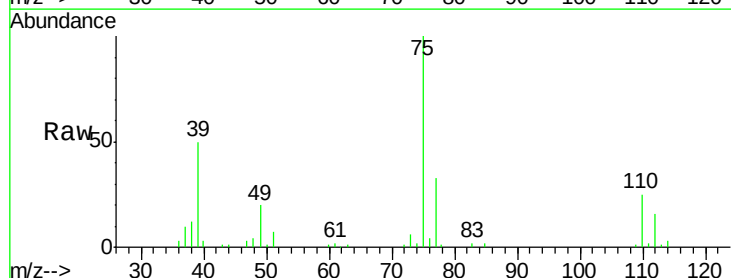
Instrument :
 MSVOA_D
 ClientSampleId :

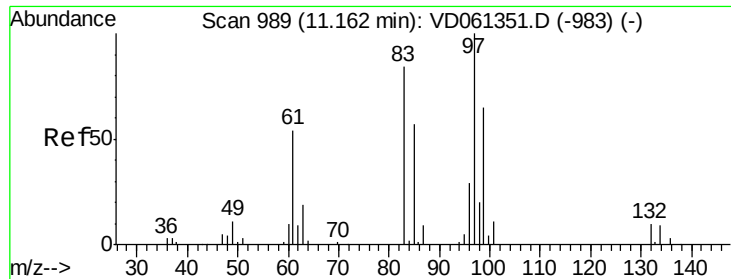
Tot Ion: 75 Resp: 177689
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.930 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.05 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion: 75 Resp: 199195
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4
 39 49.5 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 21.248 ug/l

RT: 11.22 min Scan# 995

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 112565

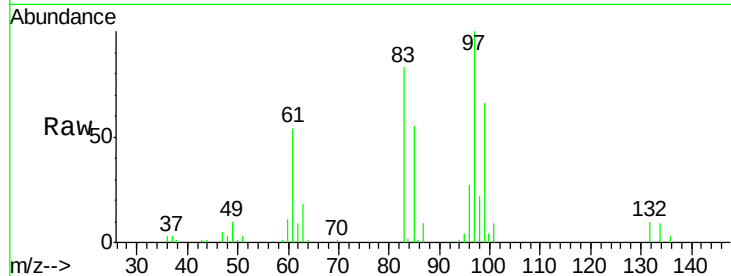
Ion Ratio Lower Upper

97 100

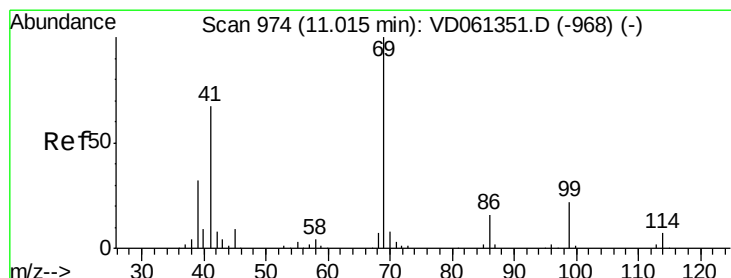
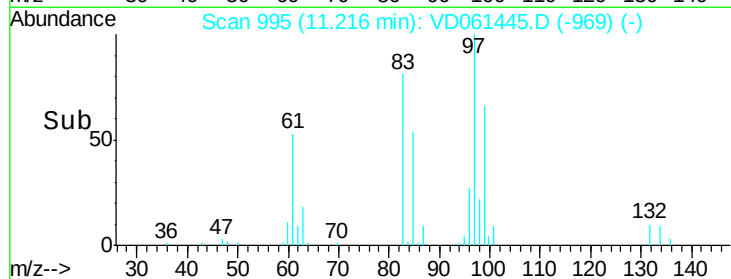
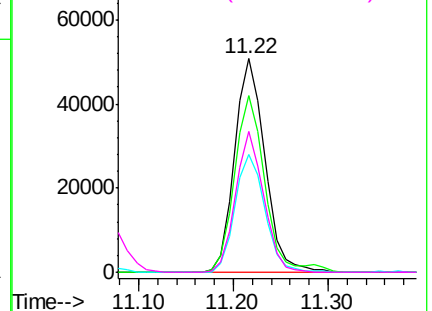
83 82.8 67.0 100.6

85 54.9 45.4 68.2

99 65.8 51.9 77.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.850 ug/l

RT: 11.07 min Scan# 980

Delta R.T. 0.05 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

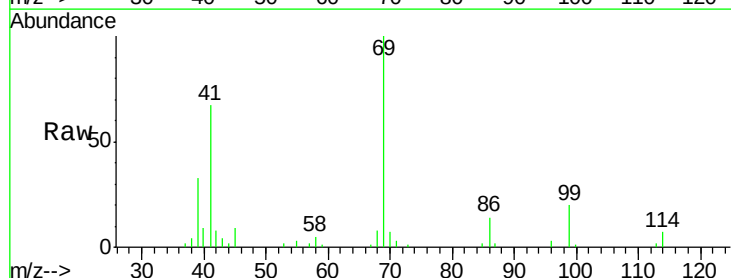
Tgt Ion: 69 Resp: 124353

Ion Ratio Lower Upper

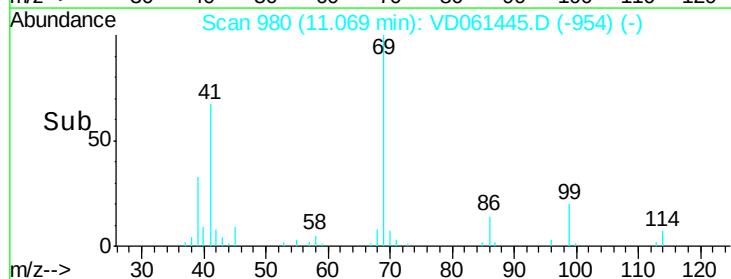
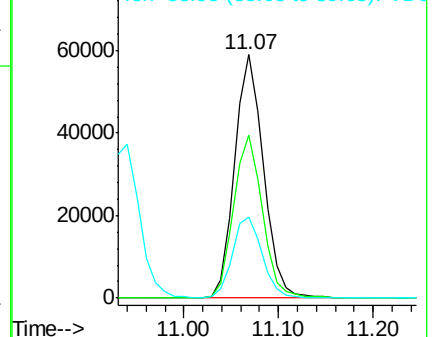
69 100

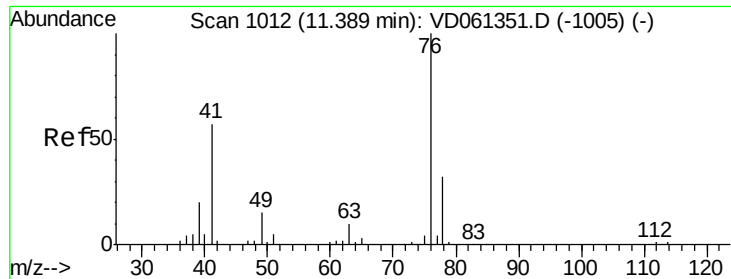
41 66.9 53.8 80.6

39 33.5 26.4 39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

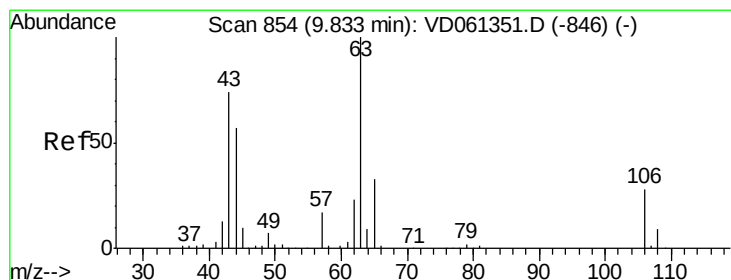
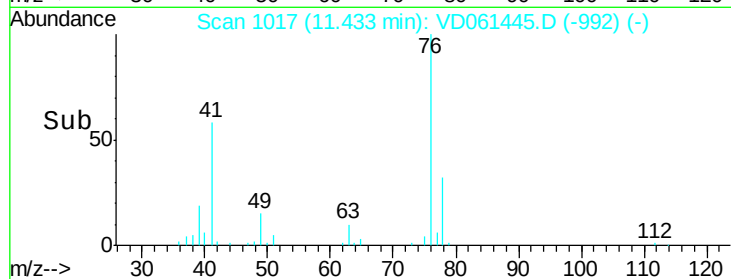
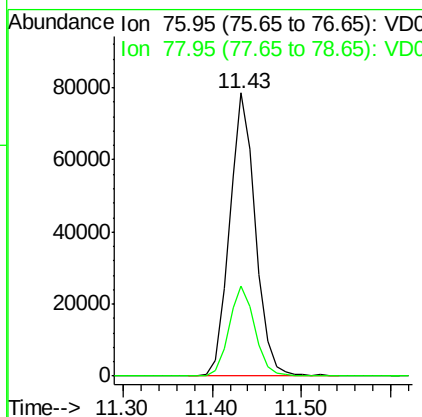
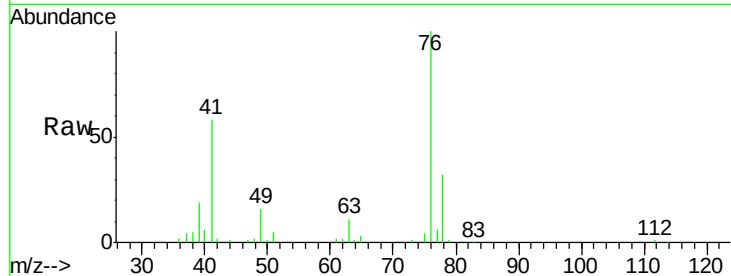




#57
 1,3-Dichloropropane
 Concen: 20.492 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.04 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

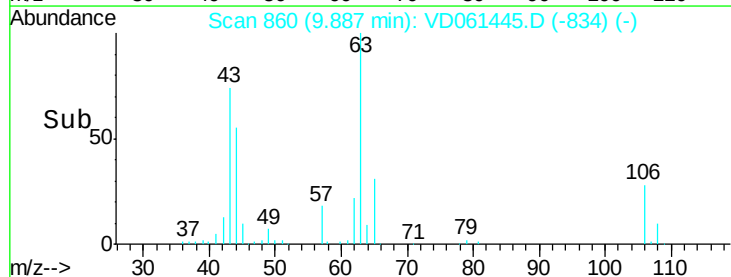
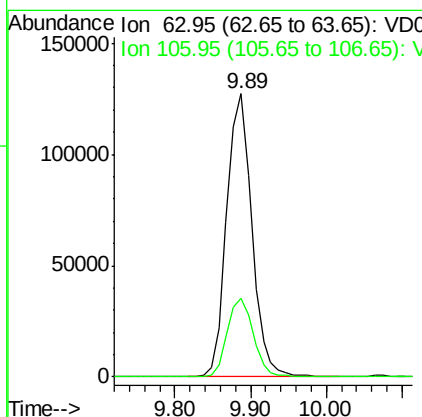
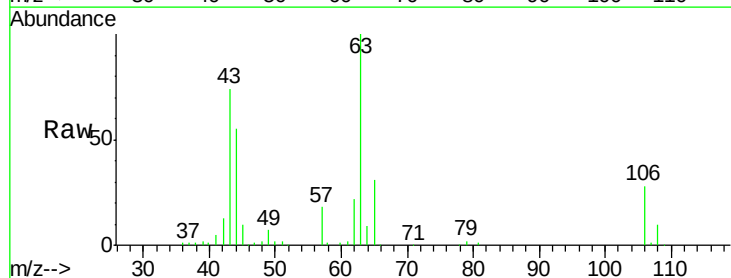
Instrument :
 MSVOA_D
 ClientSampleId :

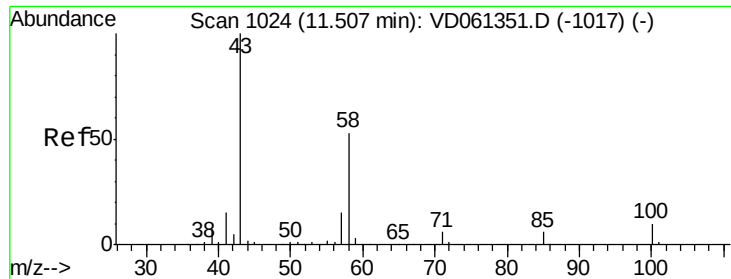
Tot Ion: 76 Resp: 159561
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.793 ug/l
 RT: 9.89 min Scan# 860
 Delta R.T. 0.05 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion: 63 Resp: 293212
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.4 33.6

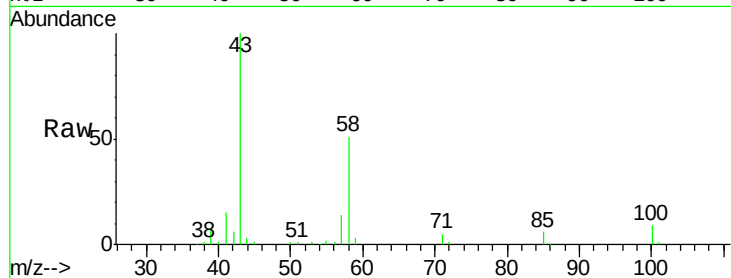




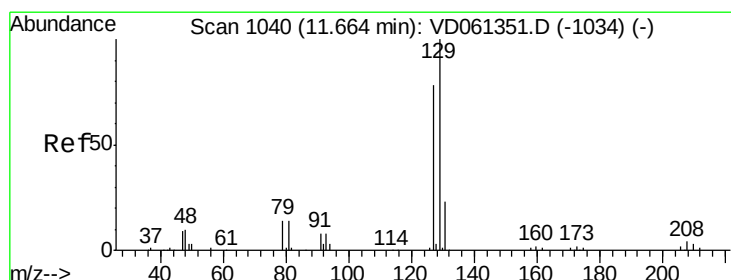
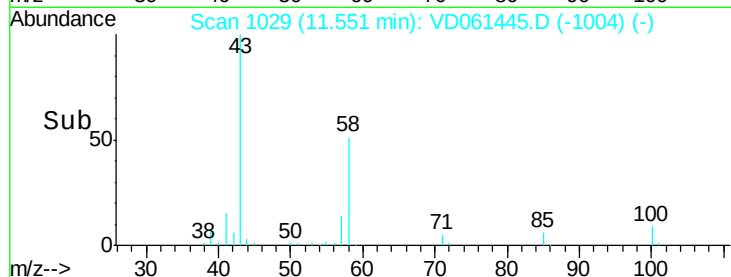
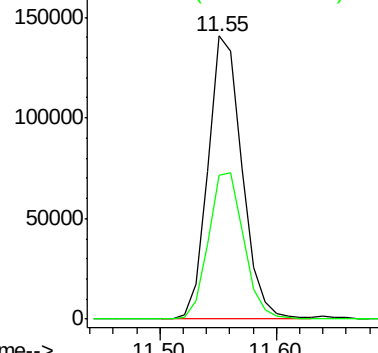
#59
2-Hexanone
Concen: 104.843 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.04 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 284515
Ion Ratio Lower Upper
43 100
58 51.0 26.3 78.9

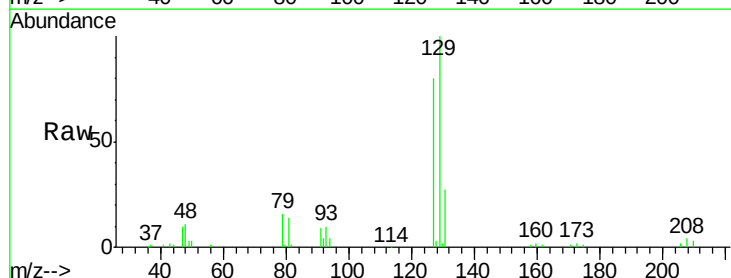


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

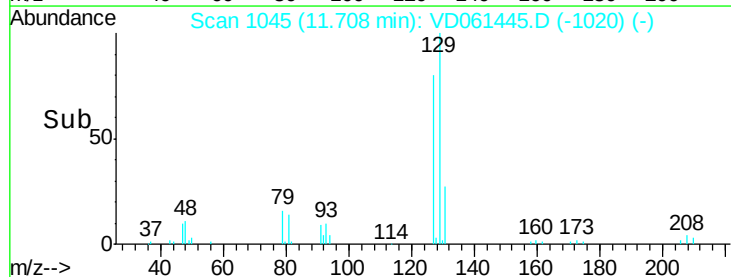
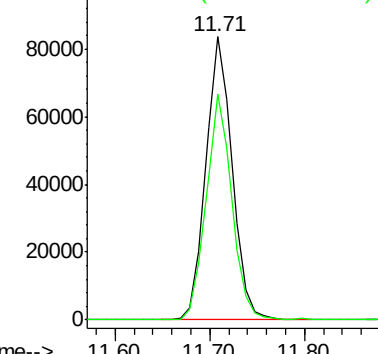


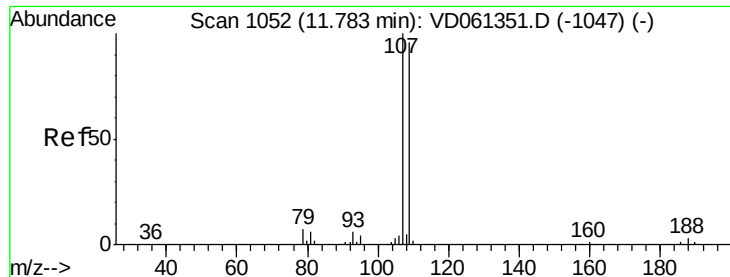
#60
Dibromochloromethane
Concen: 19.643 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.04 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 129 Resp: 160421
Ion Ratio Lower Upper
129 100
127 79.7 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

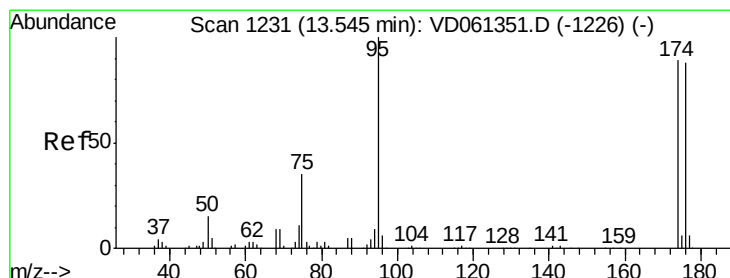
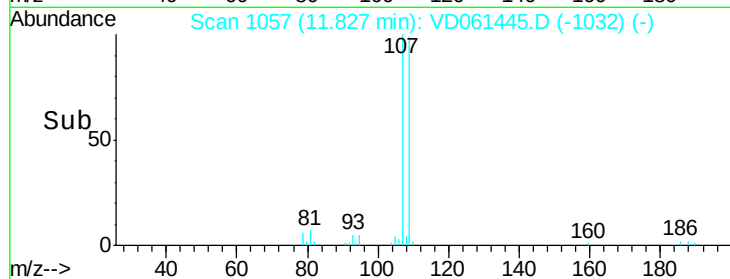
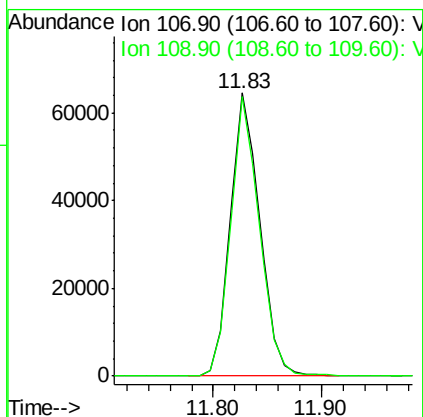
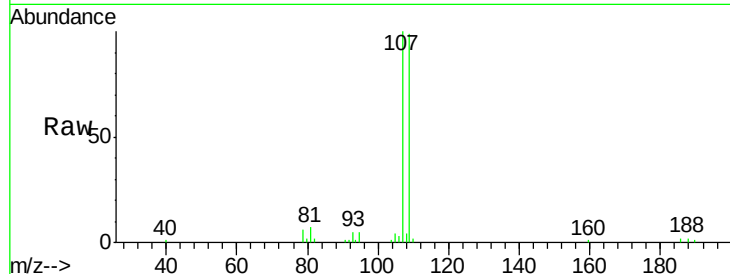




#61
 1,2-Dibromoethane
 Concen: 19.914 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.04 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

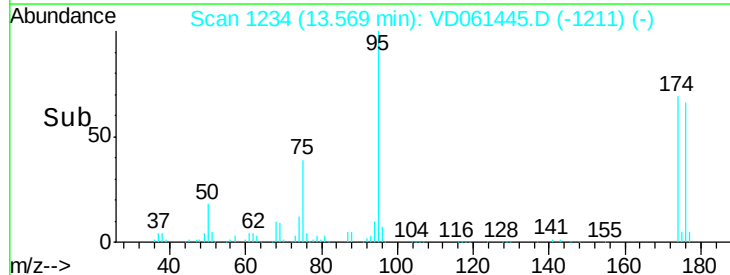
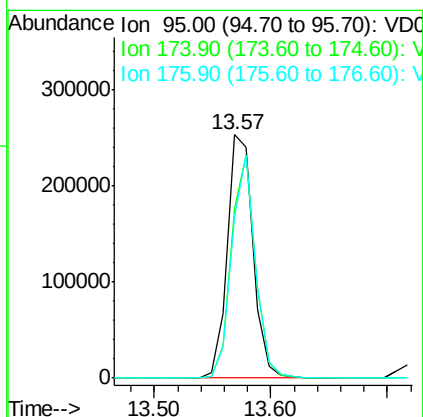
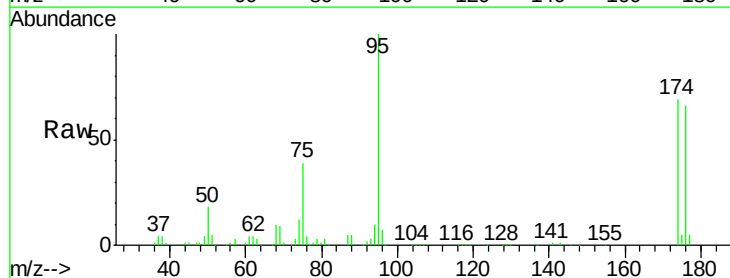
Instrument :
 MSVOA_D
 ClientSampleId :

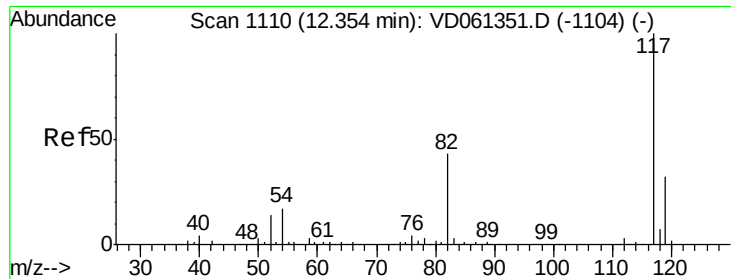
Tot Ion: 107 Resp: 122164
 Ion Ratio Lower Upper
 107 100
 109 98.5 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 19.914 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion: 95 Resp: 387300
 Ion Ratio Lower Upper
 95 100
 174 69.4 0.0 178.0
 176 66.4 0.0 175.0

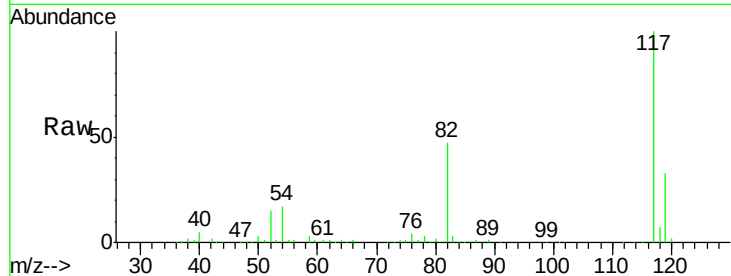




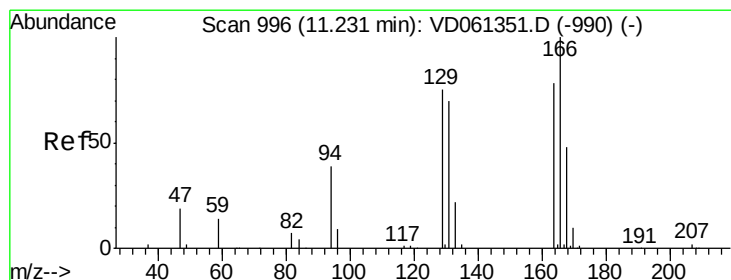
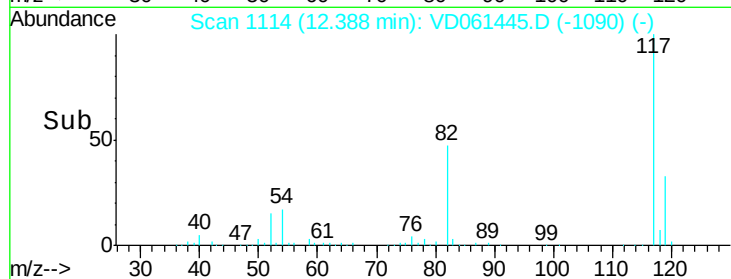
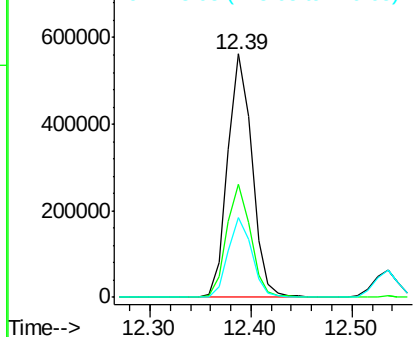
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 941526
Ion Ratio Lower Upper
117 100
82 46.6 34.4 51.6
119 32.6 25.8 38.6

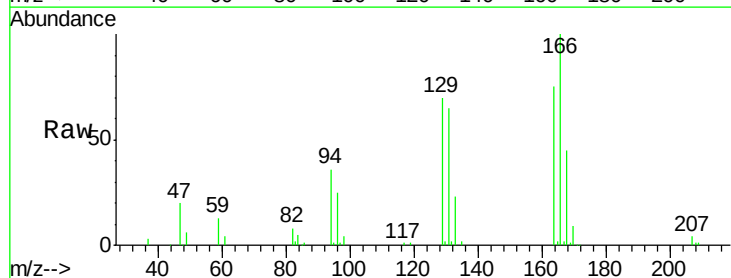


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

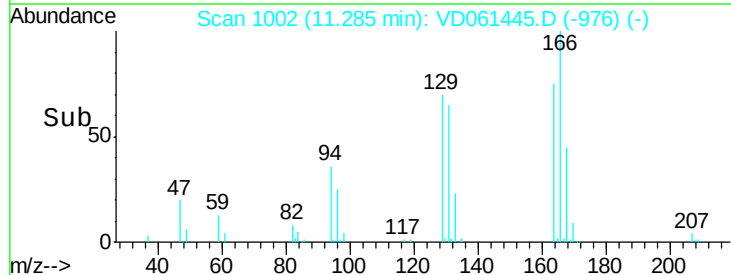
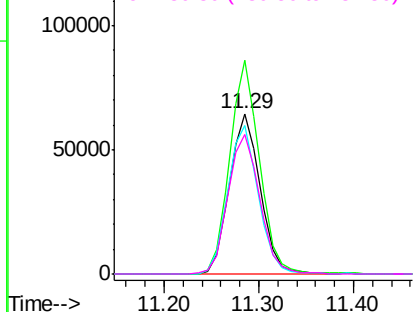


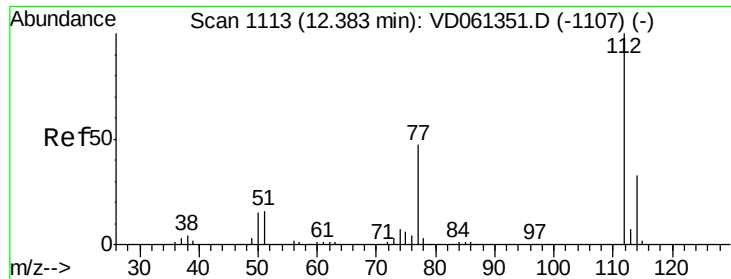
#64
Tetrachloroethene
Concen: 19.546 ug/l
RT: 11.29 min Scan# 1002
Delta R.T. 0.05 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion:164 Resp: 144433
Ion Ratio Lower Upper
164 100
166 133.4 102.4 153.6
129 93.1 76.8 115.2
131 87.1 71.8 107.6



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

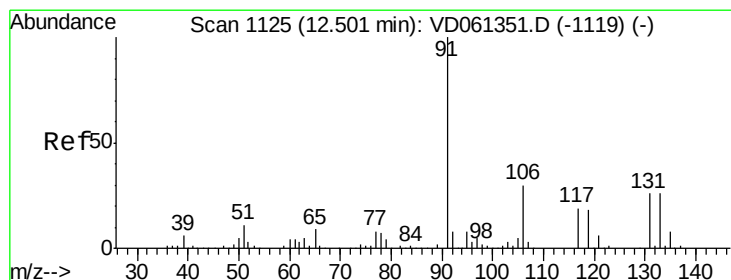
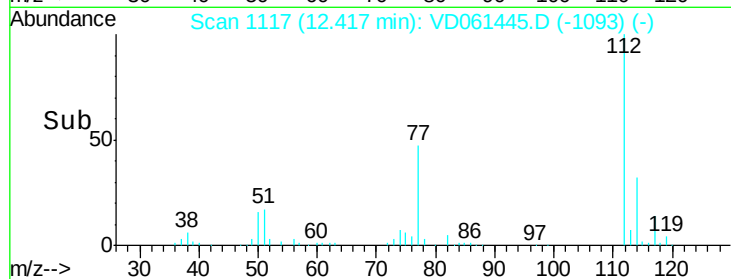
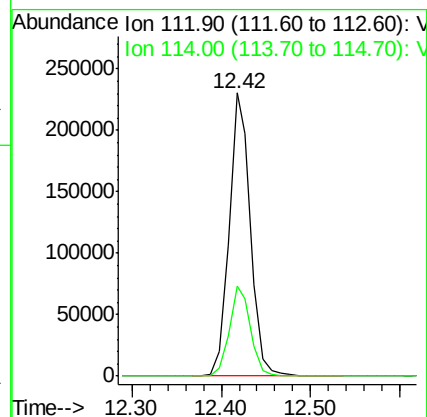
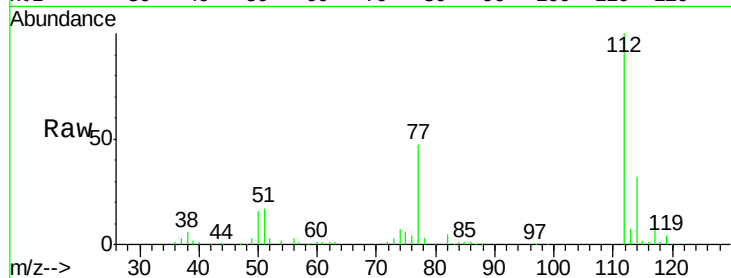




#65
Chlorobenzene
Concen: 20.085 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

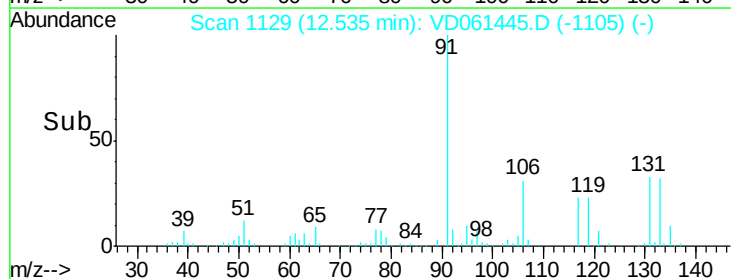
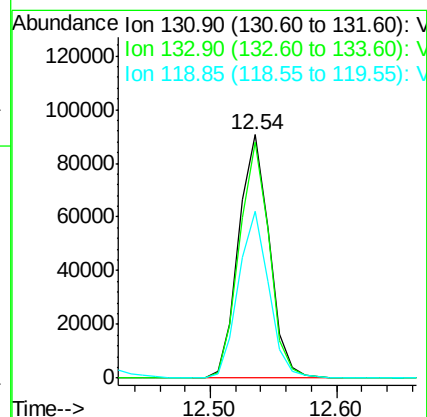
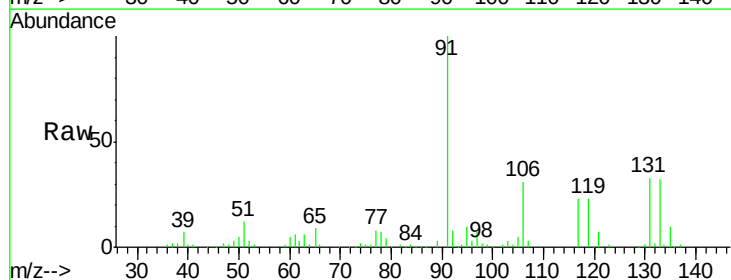
Instrument :
MSVOA_D
ClientSampled :

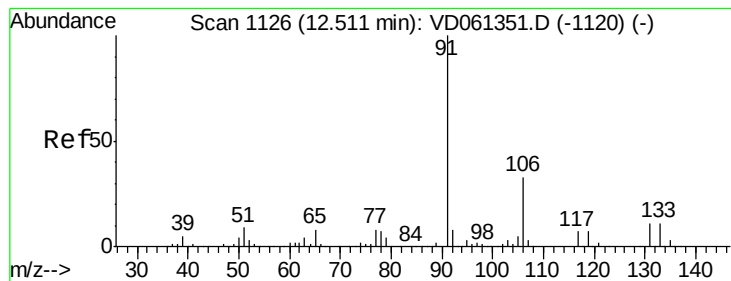
Tot Ion:112 Resp: 386468
Ion Ratio Lower Upper
112 100
114 31.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.426 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion:131 Resp: 152176
Ion Ratio Lower Upper
131 100
133 97.0 49.4 148.2
119 68.6 34.1 102.2





#67

Ethyl Benzene

Concen: 20.855 ug/l

RT: 12.55 min Scan# 1130

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

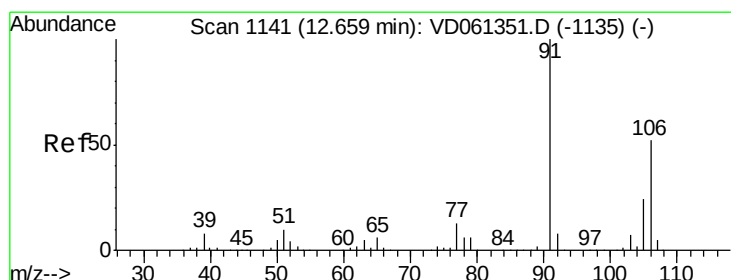
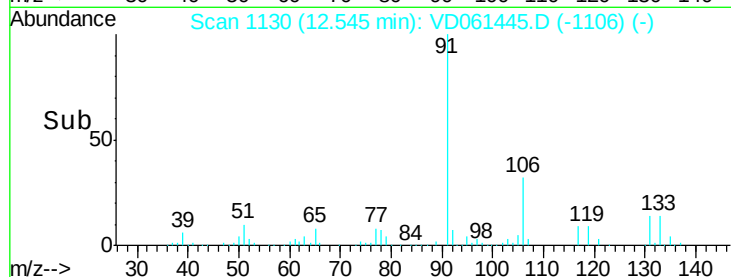
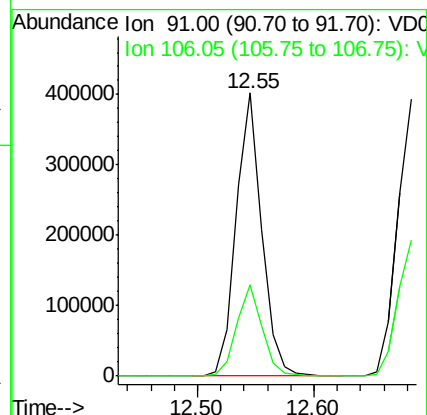
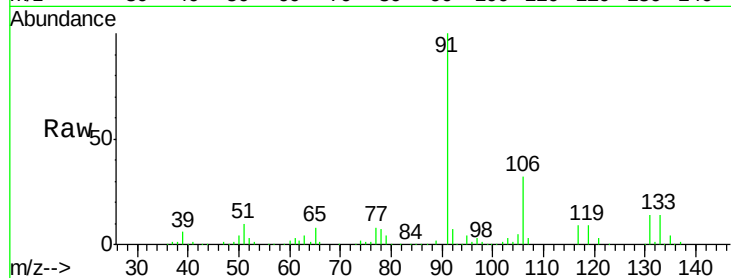
ClientSampled :

Tot Ion: 91 Resp: 612517

Ion Ratio Lower Upper

91 100

106 32.4 26.1 39.1



#68

m/p-Xylenes

Concen: 39.897 ug/l

RT: 12.69 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VD061445.D

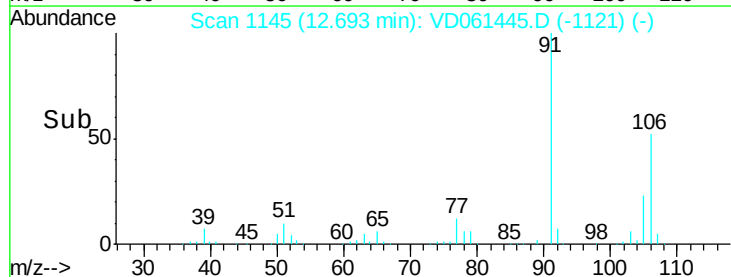
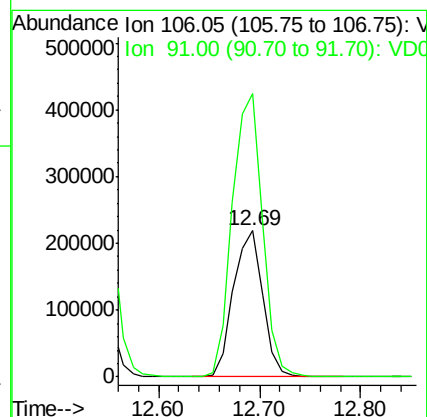
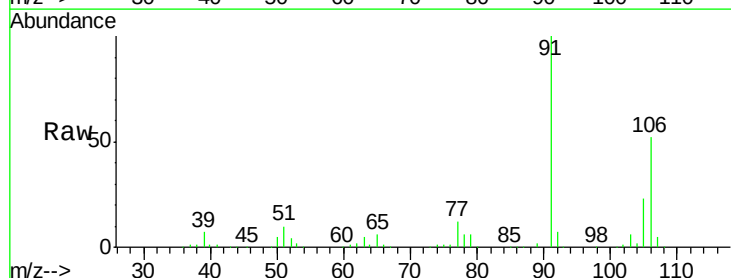
Acq: 31 Mar 2019 14:28

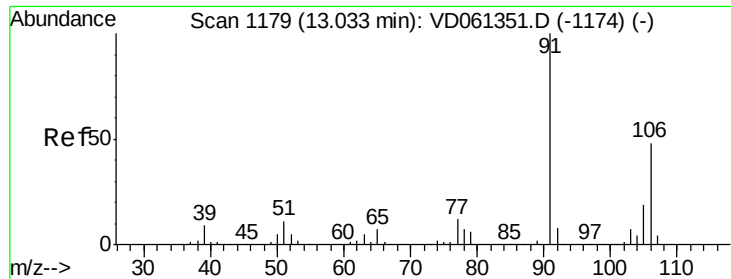
Tgt Ion: 106 Resp: 443871

Ion Ratio Lower Upper

106 100

91 194.1 153.1 229.7

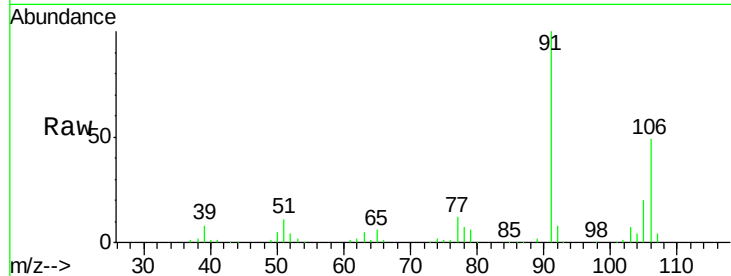




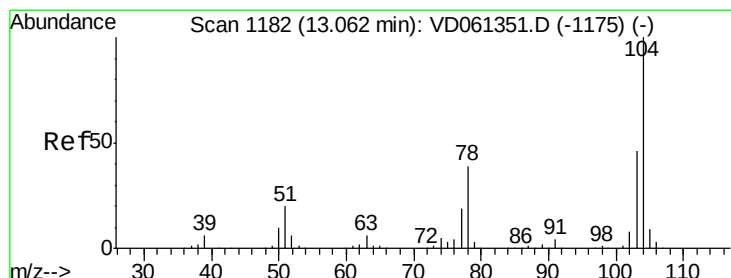
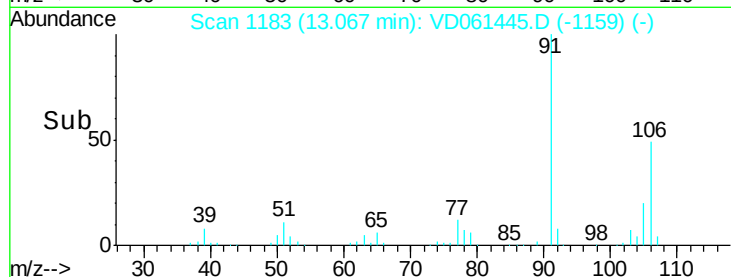
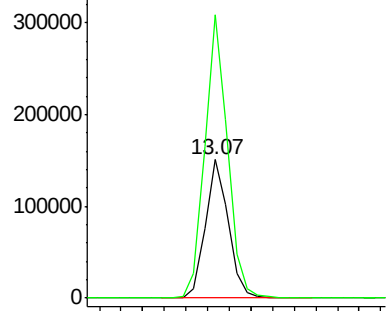
#69
o-Xylene
Concen: 20.734 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 223852
Ion Ratio Lower Upper
106 100
91 204.5 103.8 311.3

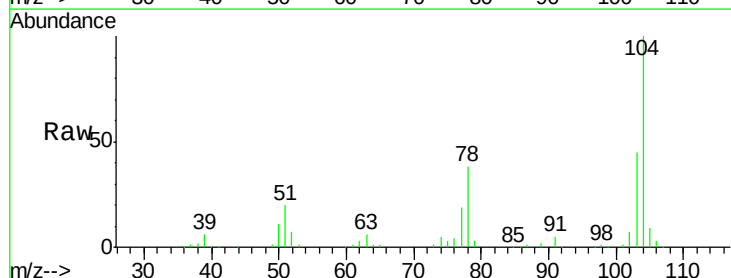


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

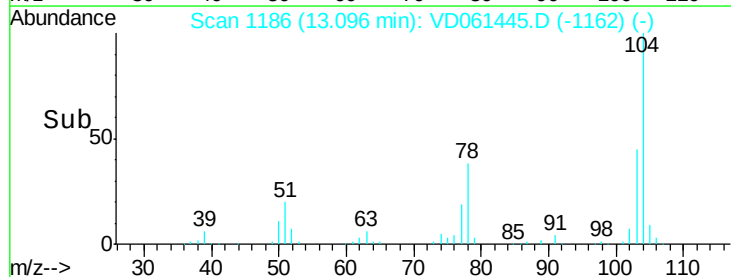
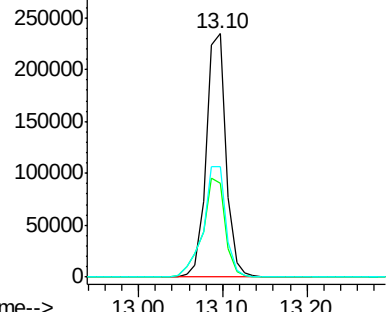


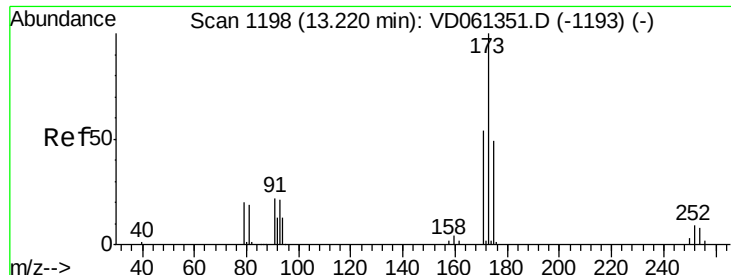
#70
Styrene
Concen: 20.210 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion:104 Resp: 380350
Ion Ratio Lower Upper
104 100
78 38.4 31.0 46.6
103 45.4 37.0 55.4



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

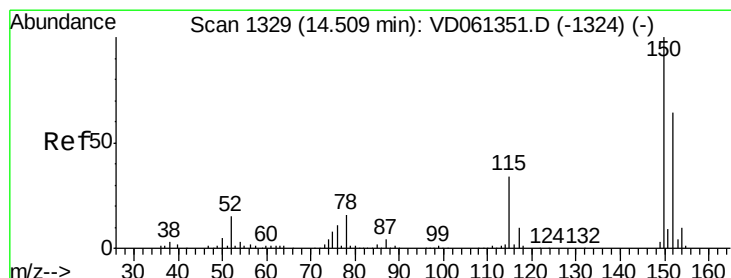
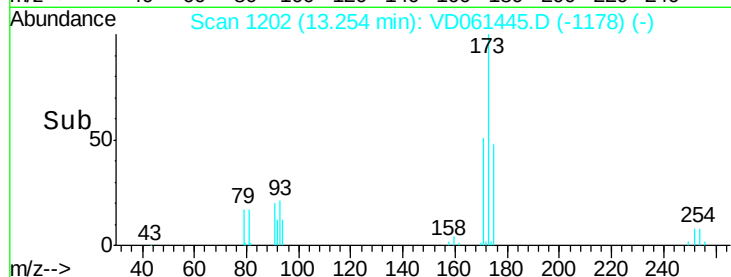
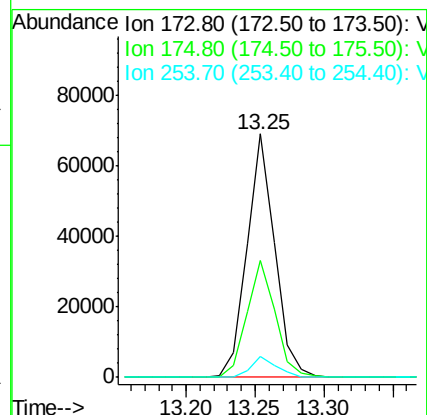
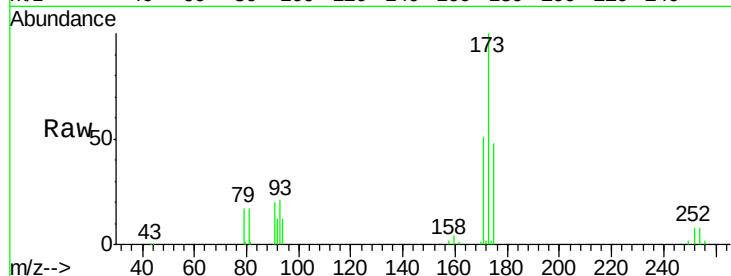




#71
Bromoform
Concen: 20.561 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

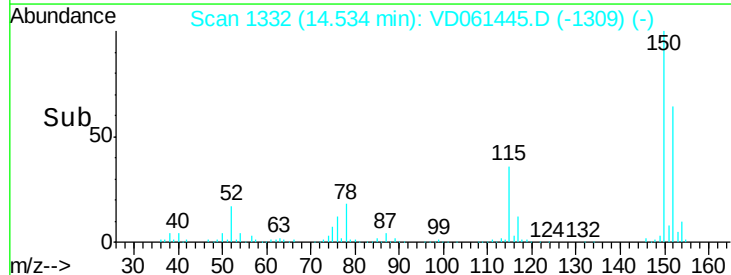
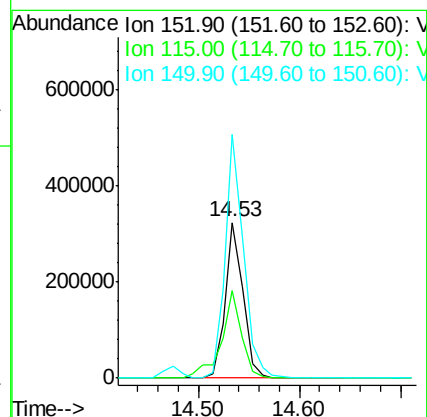
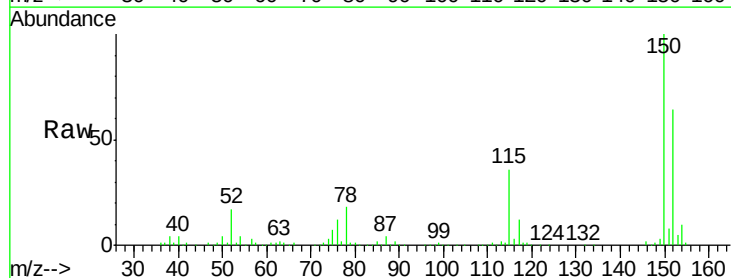
Instrument :
MSVOA_D
ClientSampleId :

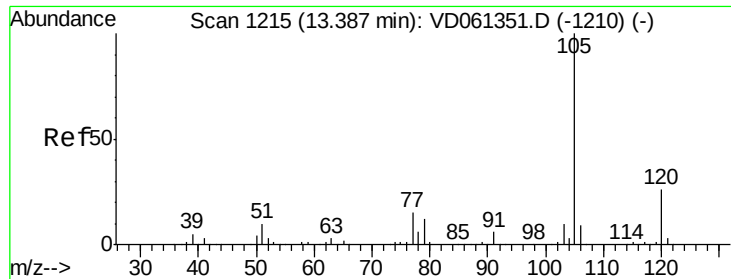
Tot Ion:173 Resp: 97102
Ion Ratio Lower Upper
173 100
175 47.9 24.6 73.8
254 8.5 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion:152 Resp: 399142
Ion Ratio Lower Upper
152 100
115 56.5 26.9 80.6
150 156.3 0.0 318.0





#73

Isopropylbenzene

Concen: 22.308 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

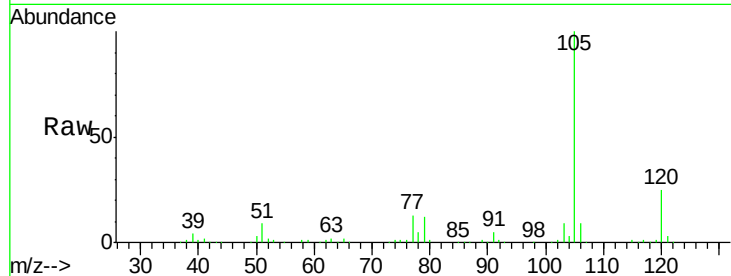
ClientSampleId :

Tot Ion:105 Resp: 619705

Ion Ratio Lower Upper

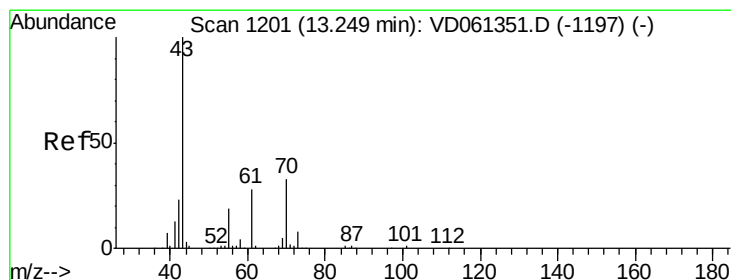
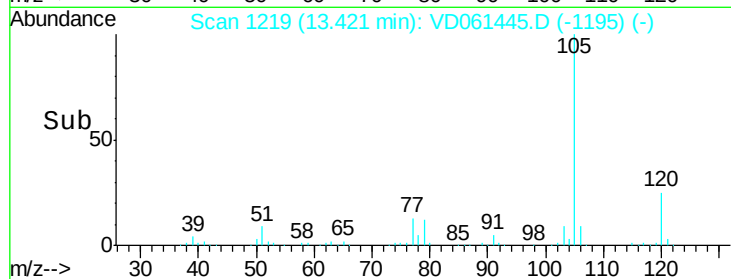
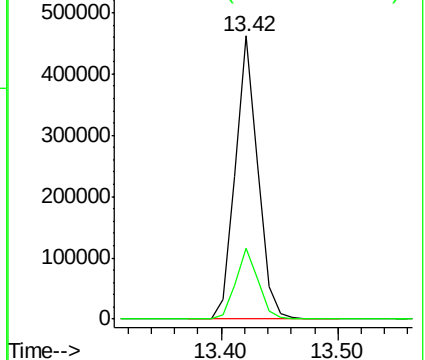
105 100

120 25.1 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.385 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Tgt Ion: 43 Resp: 165490

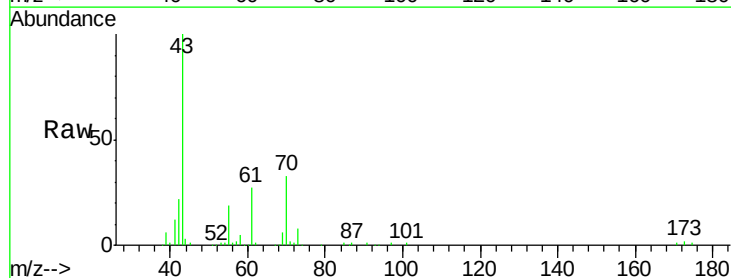
Ion Ratio Lower Upper

43 100

70 32.9 26.6 40.0

55 19.0 15.4 23.2

61 27.1 22.2 33.4

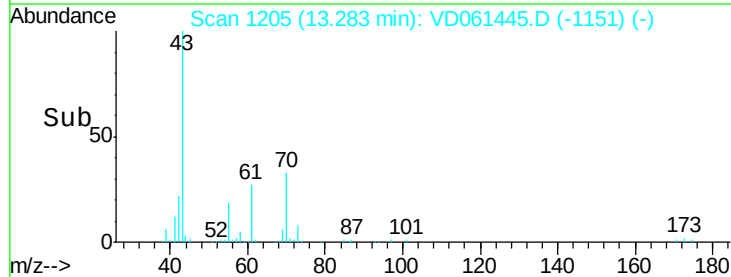
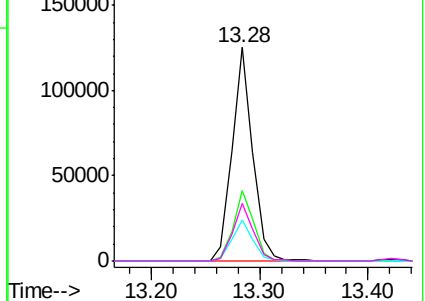


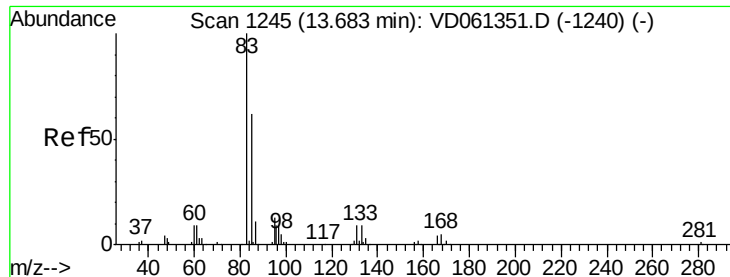
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.663 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

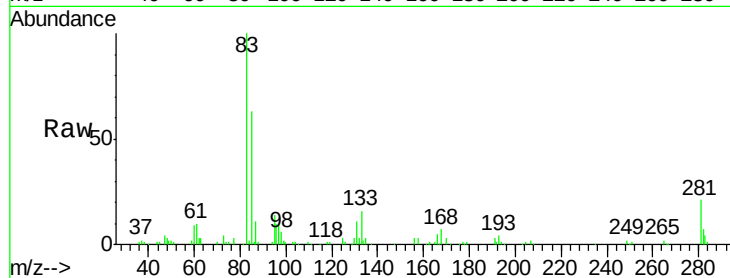
Tot Ion: 83 Resp: 126948

Ion Ratio Lower Upper

83 100

131 10.6 4.3 13.1

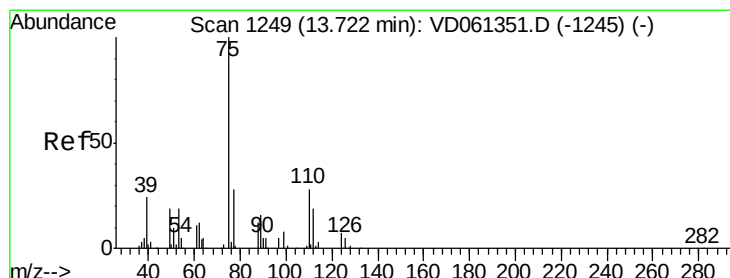
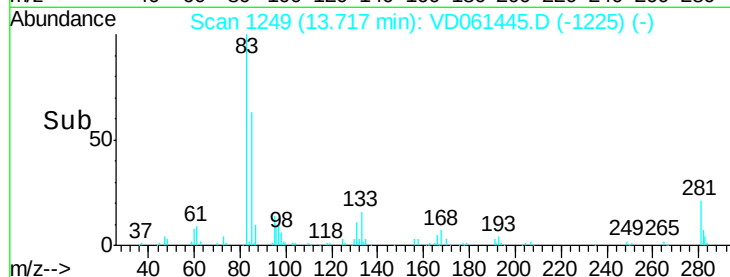
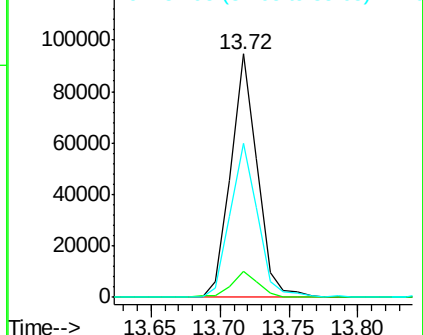
85 63.4 31.2 93.6



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: 22.384 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD061445.D

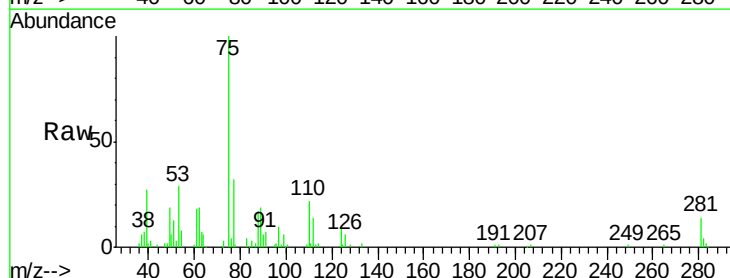
Acq: 31 Mar 2019 14:28

Tgt Ion: 75 Resp: 129058

Ion Ratio Lower Upper

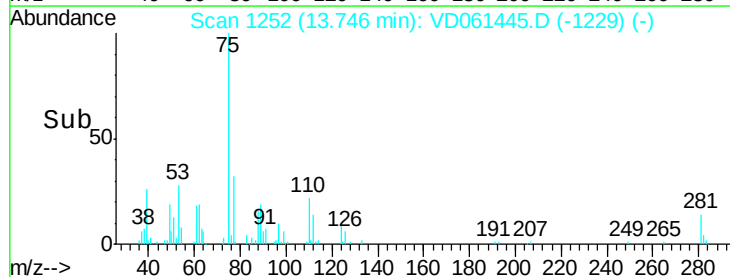
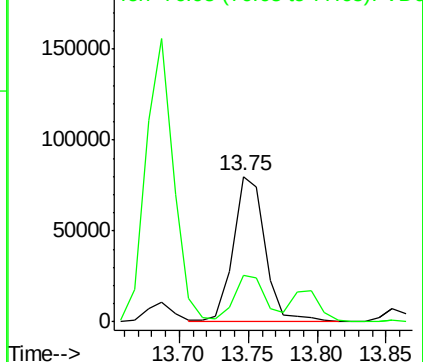
75 100

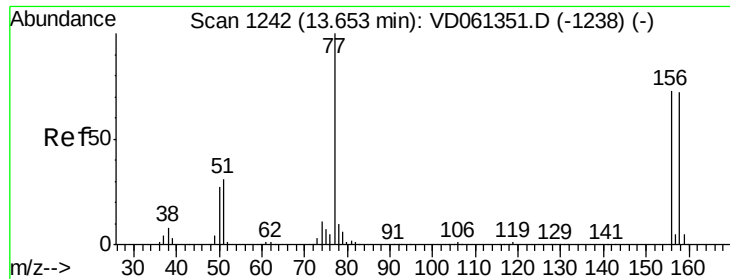
77 31.7 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.015 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

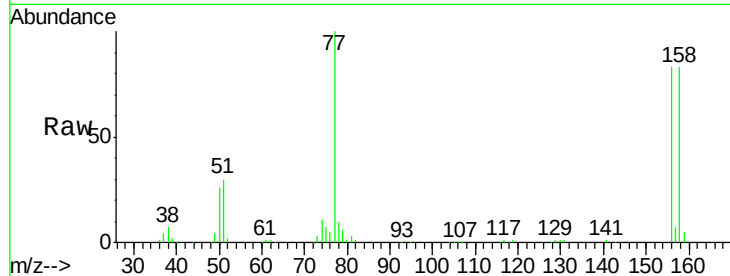
Tot Ion:156 Resp: 173072

Ion Ratio Lower Upper

156 100

77 120.5 68.5 205.6

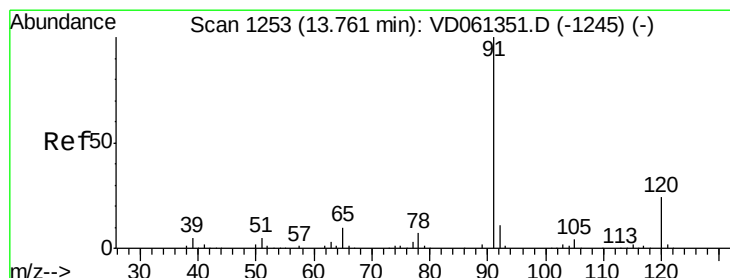
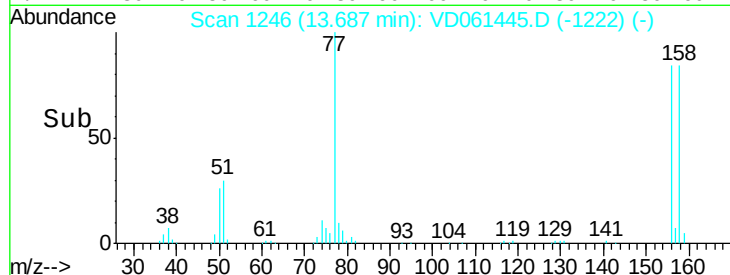
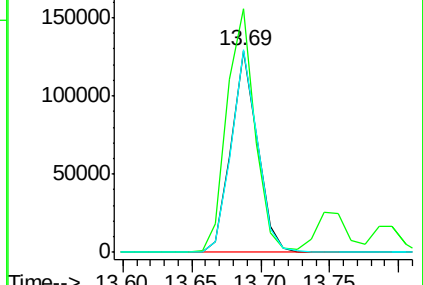
158 100.0 49.1 147.3



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: 22.090 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061445.D

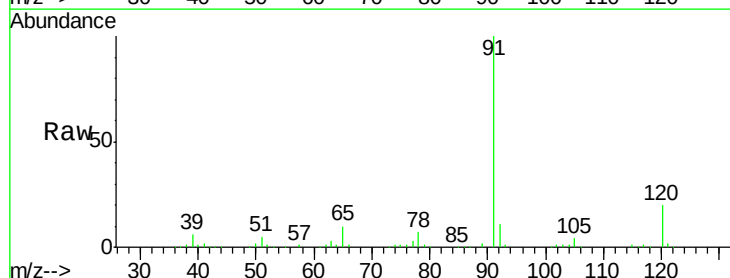
Acq: 31 Mar 2019 14:28

Tgt Ion: 91 Resp: 750981

Ion Ratio Lower Upper

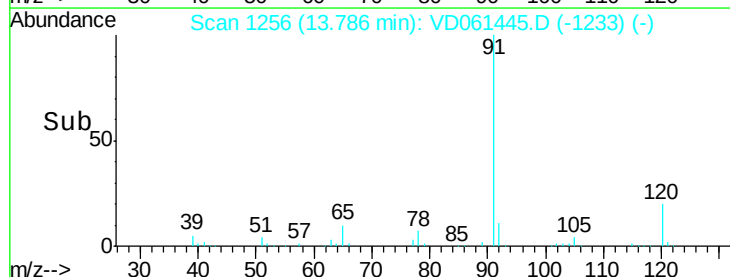
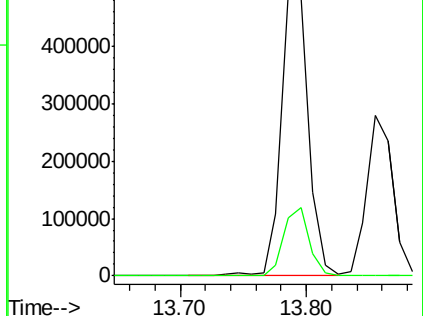
91 100

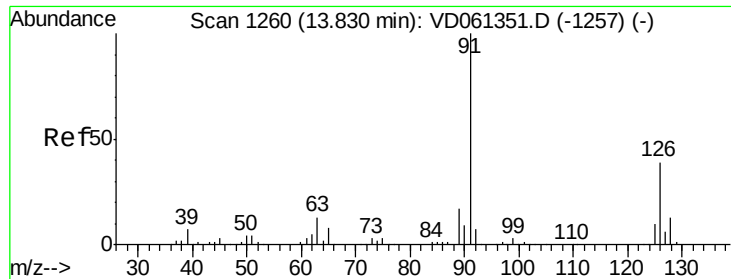
120 20.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

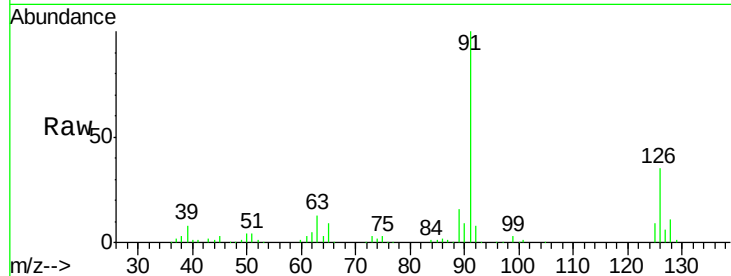




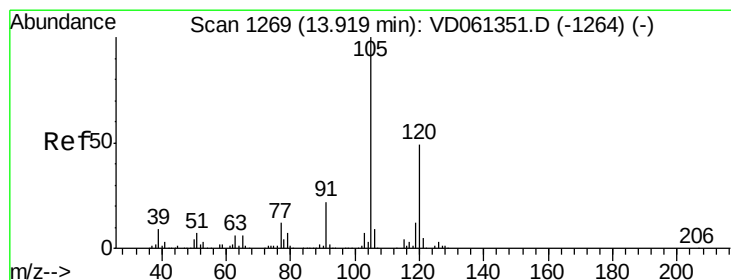
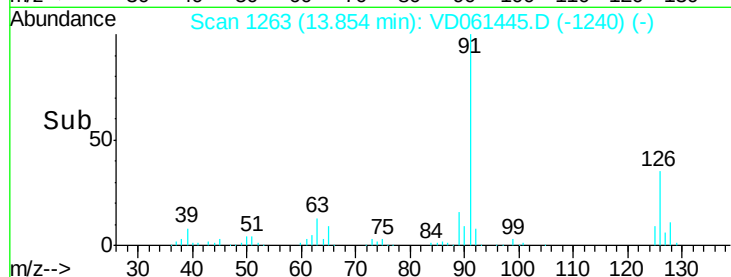
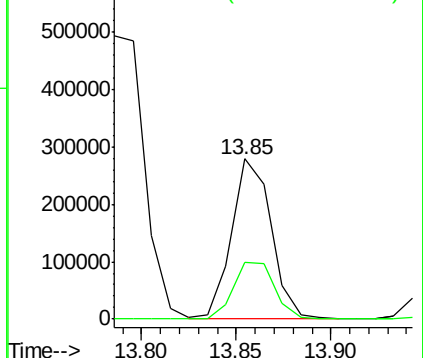
#79
 2-Chlorotoluene
 Concen: 21.650 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 399646
 Ion Ratio Lower Upper
 91 100
 126 35.5 19.4 58.2

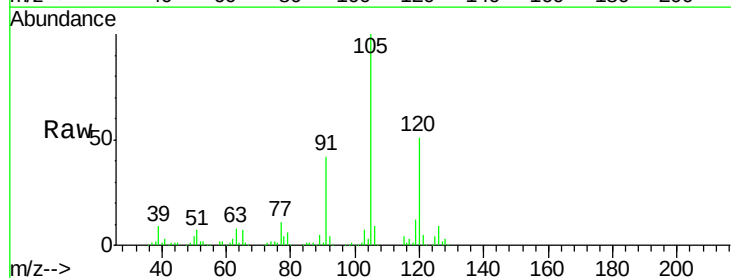


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
 Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

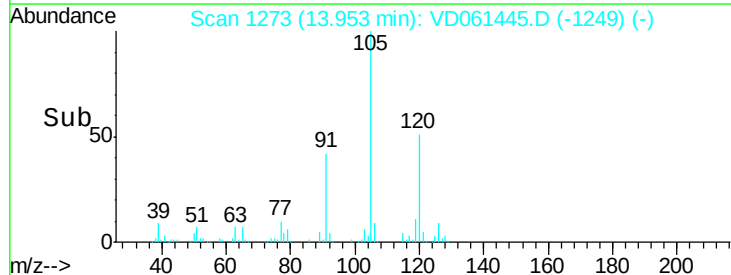
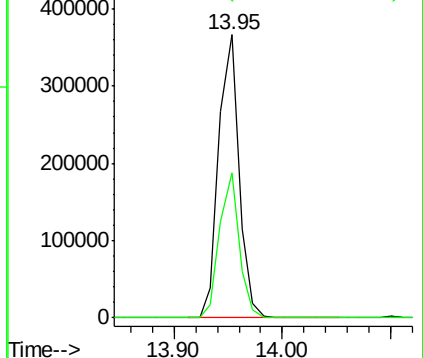


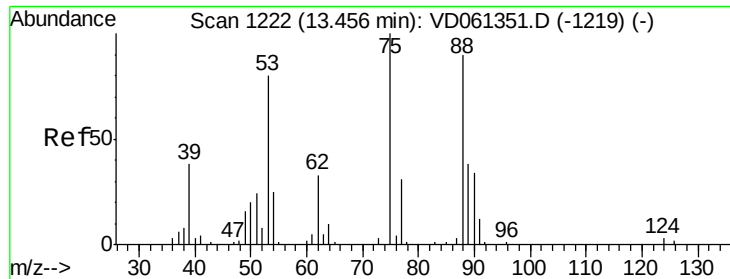
#80
 1,3,5-Trimethylbenzene
 Concen: 22.246 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. 0.03 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion: 105 Resp: 479489
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
 Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

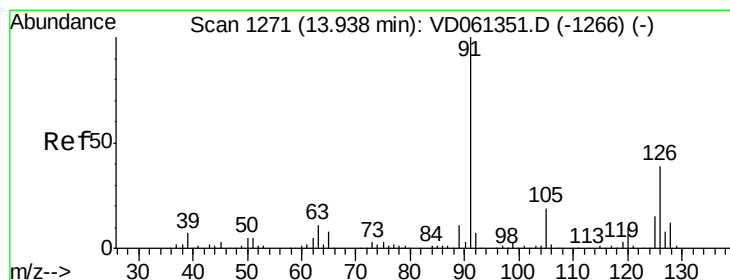
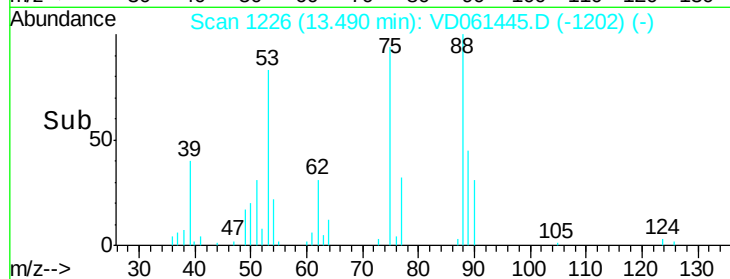
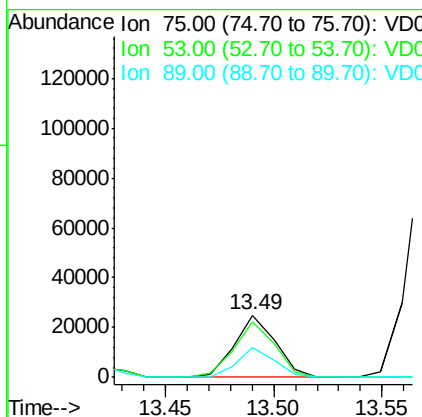
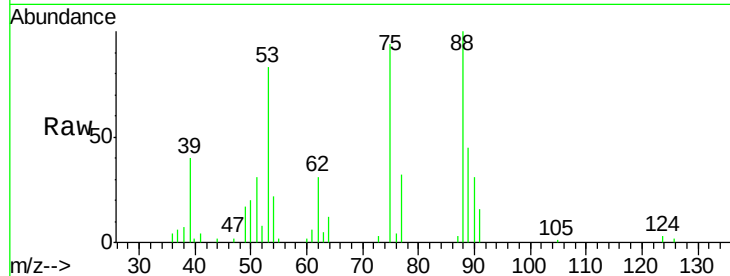




#81
trans-1,4-Dichloro-2-butene
Concen: 18.739 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

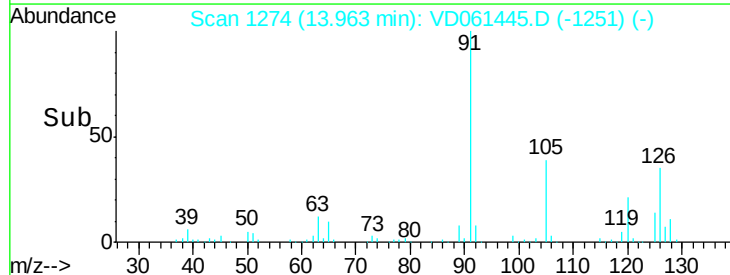
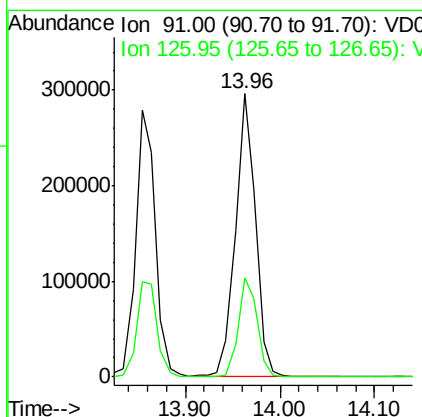
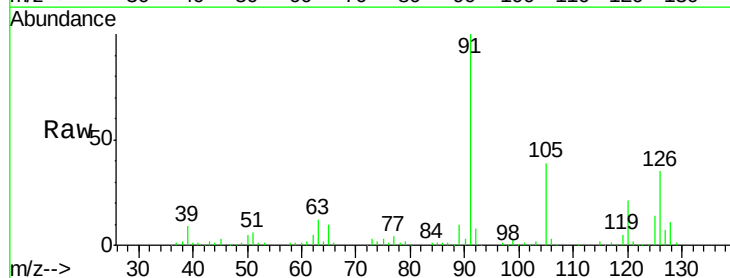
Instrument :
MSVOA_D
ClientSampleId :

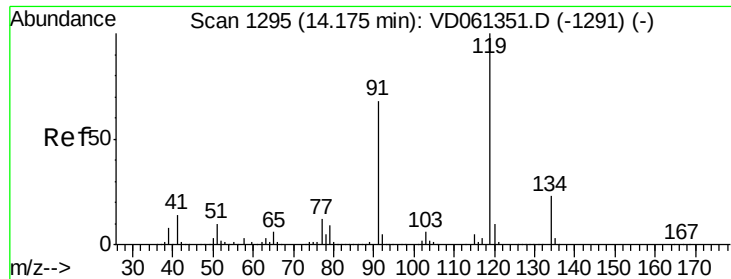
Tot Ion: 75 Resp: 32942
Ion Ratio Lower Upper
75 100
53 88.8 63.8 95.8
89 48.2 30.5 45.7#



#82
4-Chlorotoluene
Concen: 21.598 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 91 Resp: 433502
Ion Ratio Lower Upper
91 100
126 34.8 19.6 58.8

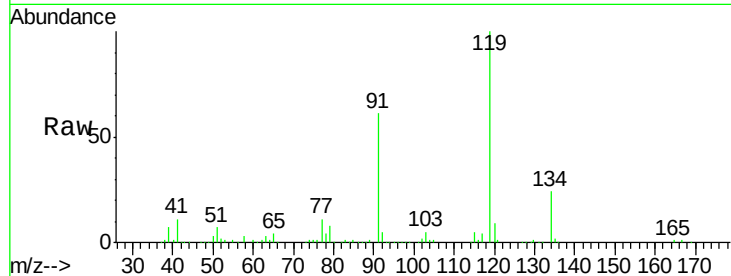




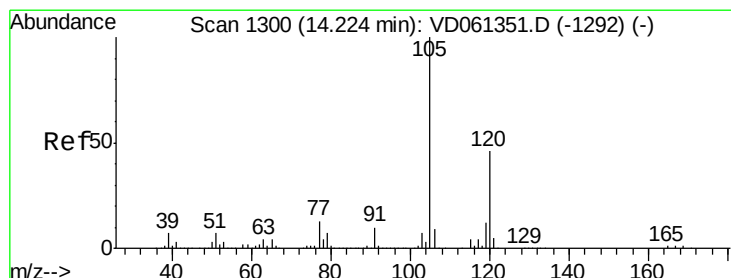
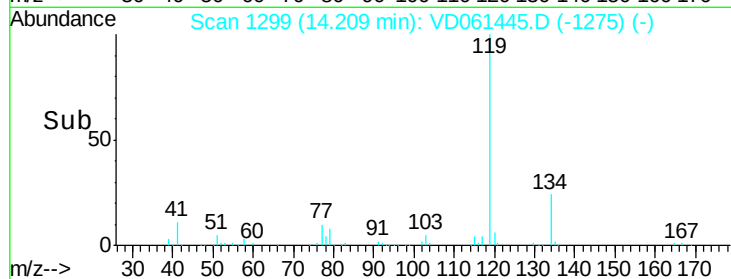
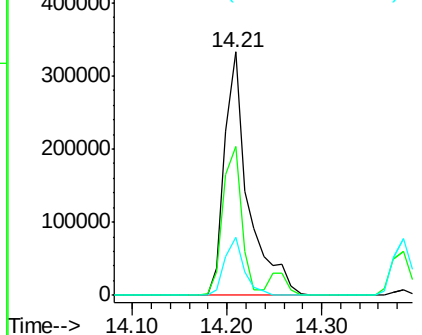
#83
 tert-Butylbenzene
 Concen: 21.559 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. 0.03 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 580740
 Ion Ratio Lower Upper
 119 100
 91 61.1 34.1 102.3
 134 24.0 11.6 34.8

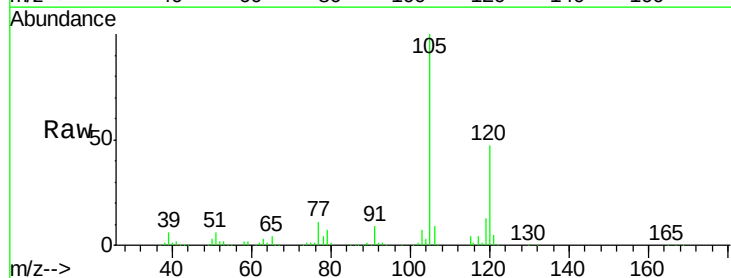


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): VDC
 Ion 134.00 (133.70 to 134.70): V

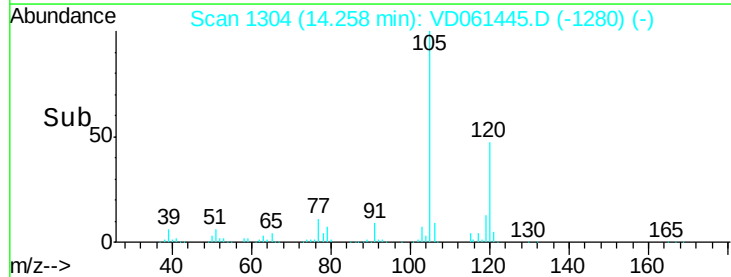
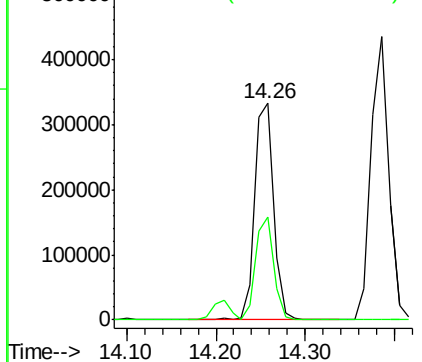


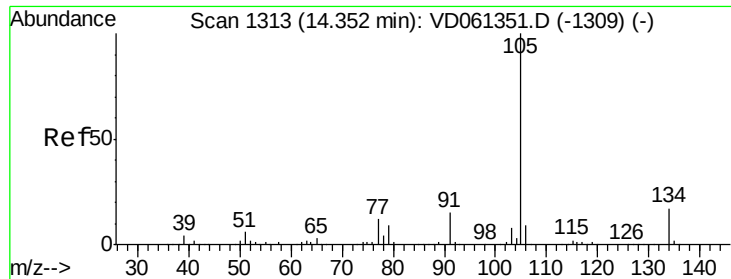
#84
 1,2,4-Trimethylbenzene
 Concen: 20.626 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. 0.03 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion:105 Resp: 481306
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.802 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. 0.03 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

Instrument :

MSVOA_D

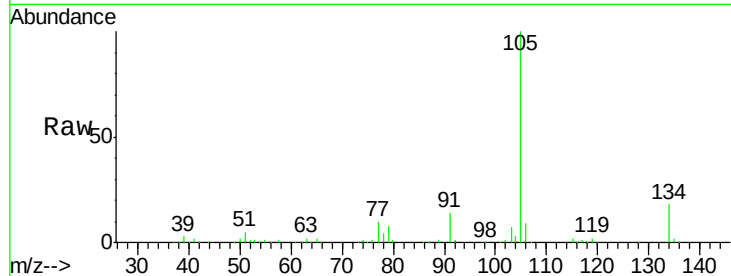
ClientSampleId :

Tot Ion:105 Resp: 595255

Ion Ratio Lower Upper

105 100

134 17.8 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.39

400000

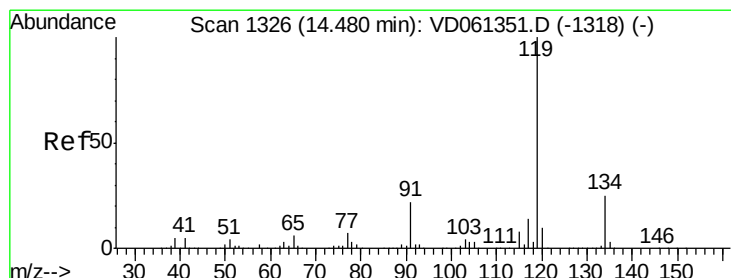
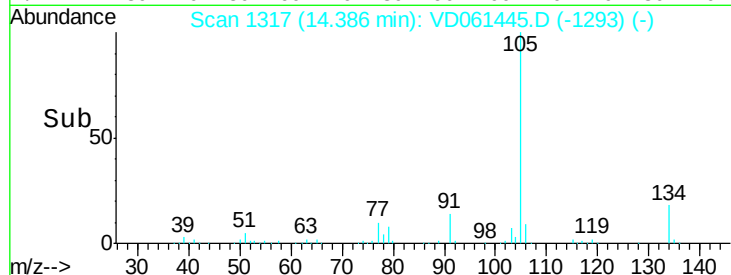
300000

200000

100000

0

Time--> 14.30 14.40 14.50



#86

p-Isopropyltoluene

Concen: 20.677 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD061445.D

Acq: 31 Mar 2019 14:28

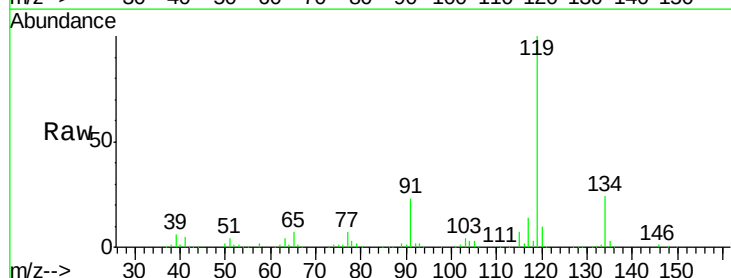
Tgt Ion:119 Resp: 500339

Ion Ratio Lower Upper

119 100

134 24.0 12.3 36.8

91 22.9 11.1 33.1



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

14.50

400000

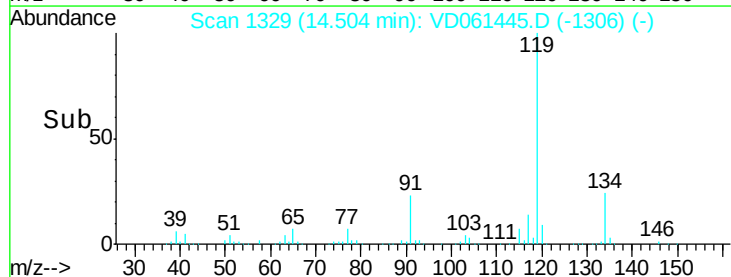
300000

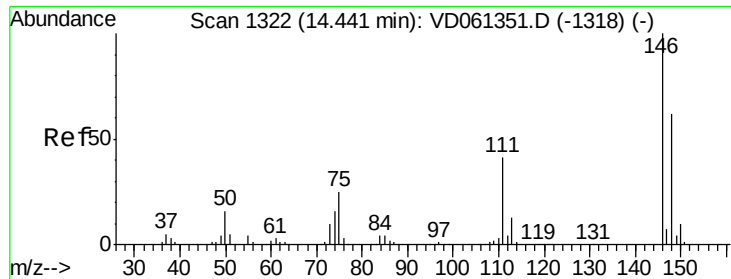
200000

100000

0

Time--> 14.40 14.50 14.60

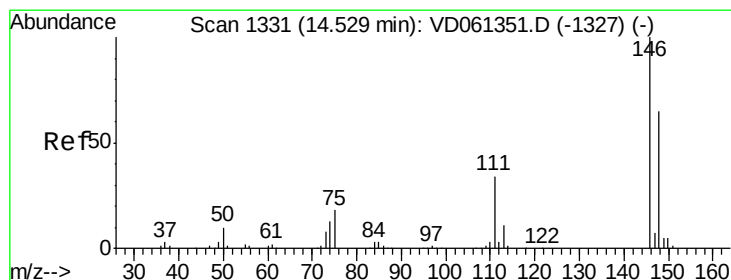
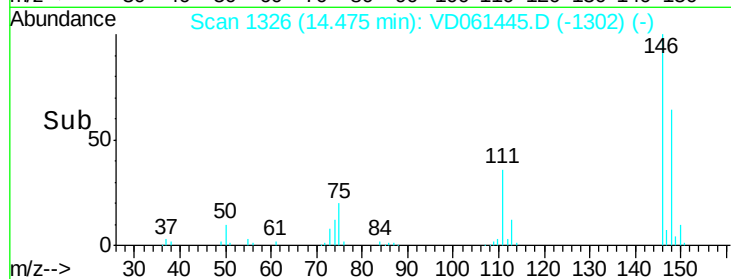
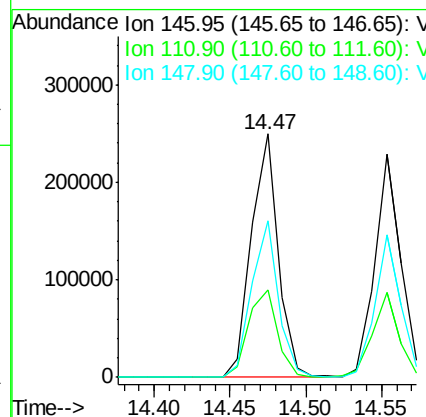
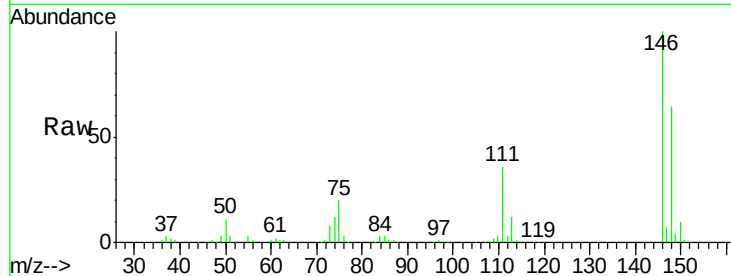




#87
 1,3-Dichlorobenzene
 Concen: 22.206 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. 0.03 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

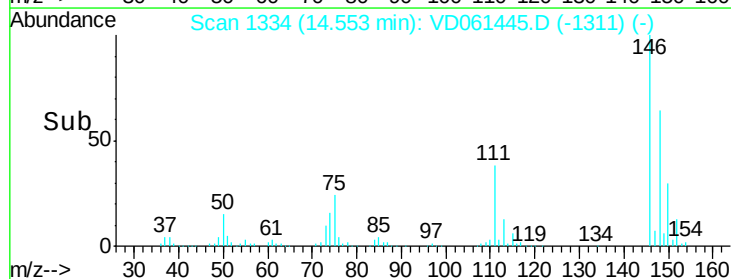
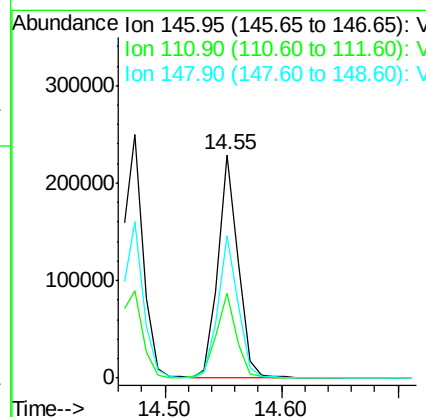
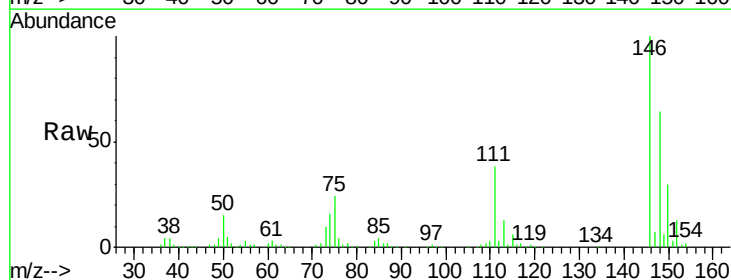
Instrument :
 MSVOA_D
 ClientSampleId :

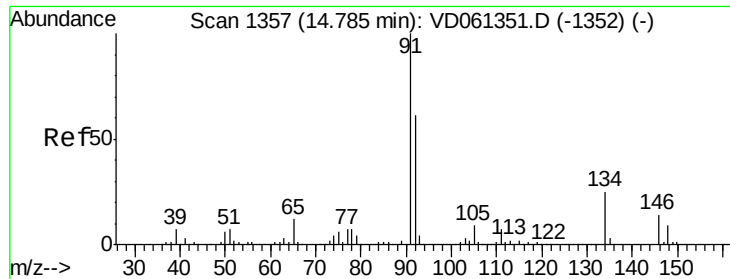
Tot Ion:146 Resp: 309689
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.6 61.9
 148 64.3 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 20.236 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion:146 Resp: 275208
 Ion Ratio Lower Upper
 146 100
 111 37.8 16.8 50.4
 148 64.0 32.6 98.0

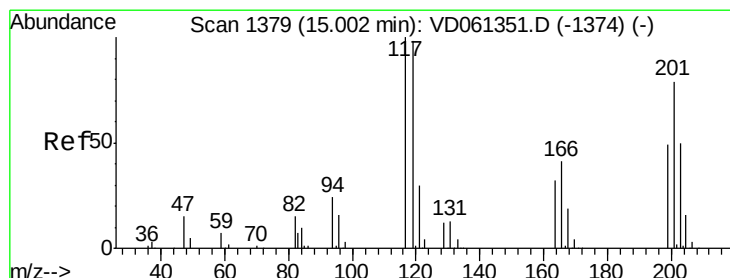
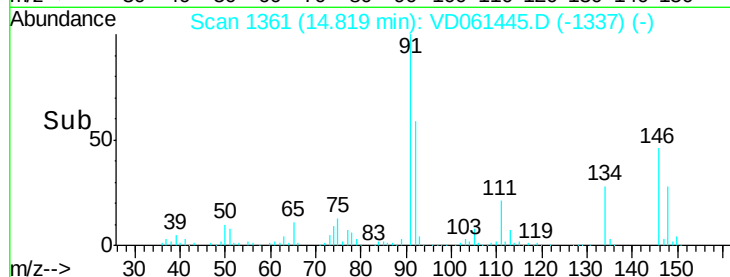
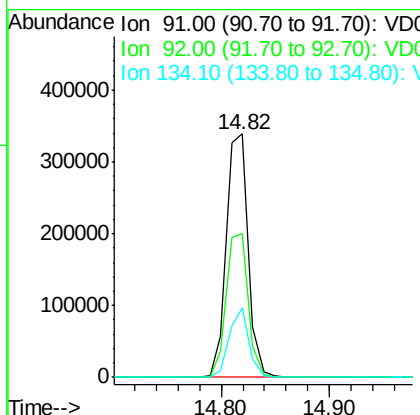
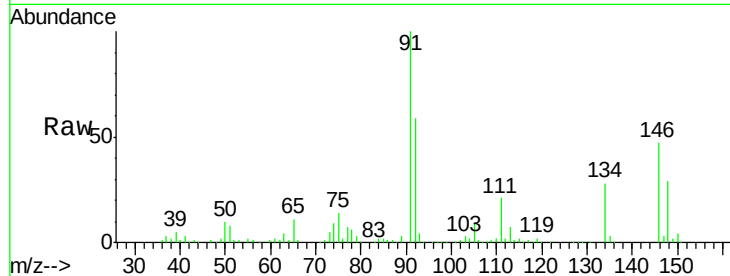




#89
n-Butylbenzene
Concen: 21.546 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.03 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

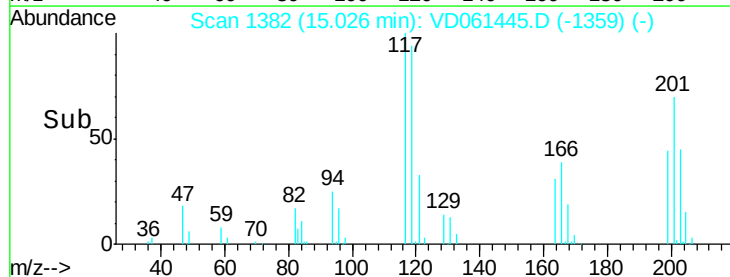
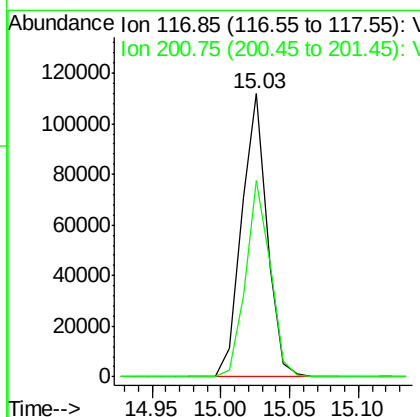
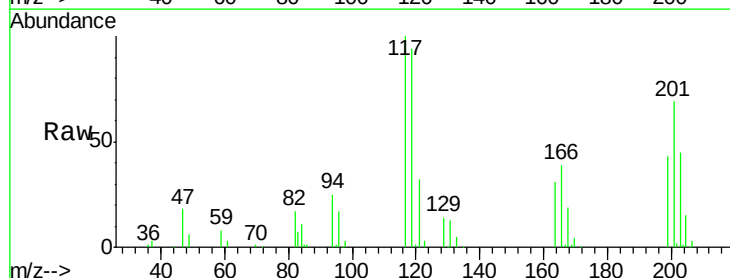
Instrument :
MSVOA_D
ClientSampleId :

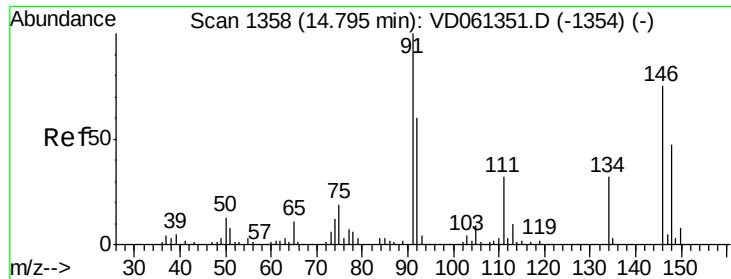
Tot Ion: 91 Resp: 478532
Ion Ratio Lower Upper
91 100
92 59.0 30.3 91.0
134 28.4 12.4 37.0



#90
Hexachloroethane
Concen: 21.082 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion: 117 Resp: 144115
Ion Ratio Lower Upper
117 100
201 69.2 39.6 119.0

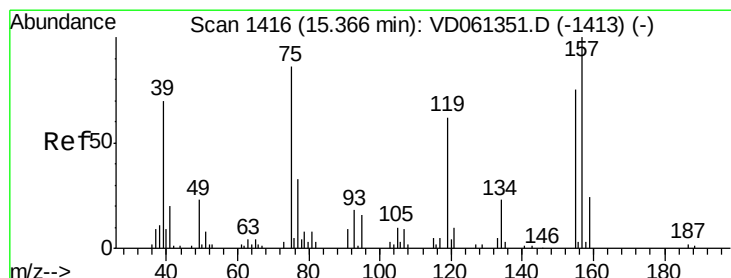
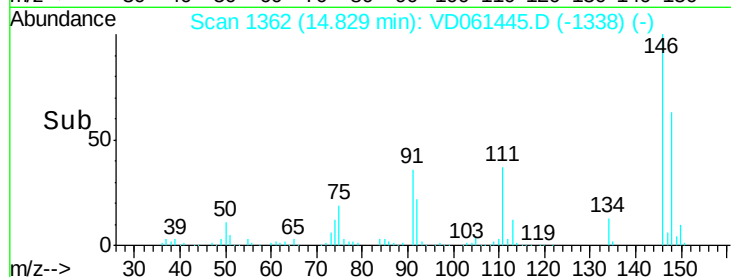
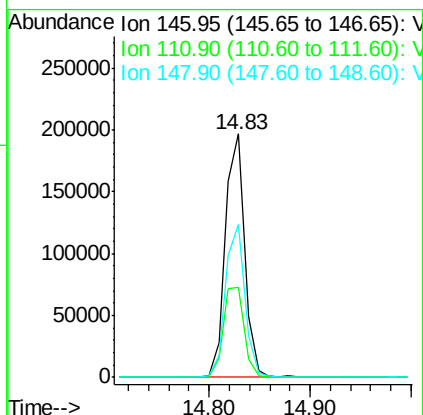
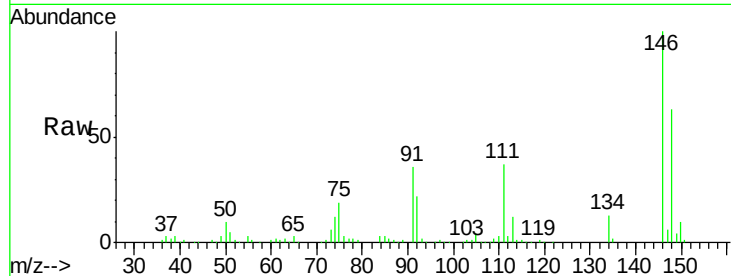




#91
 1,2-Dichlorobenzene
 Concen: 22.952 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.03 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

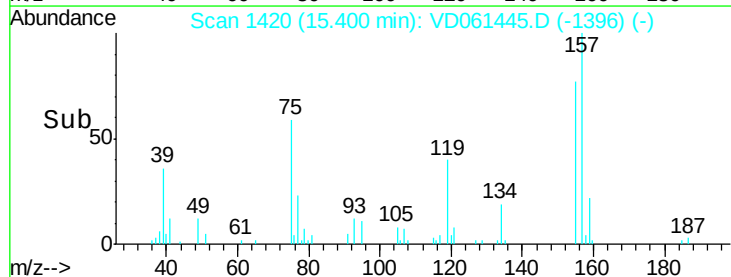
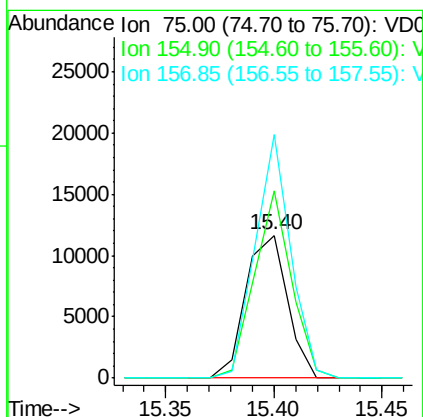
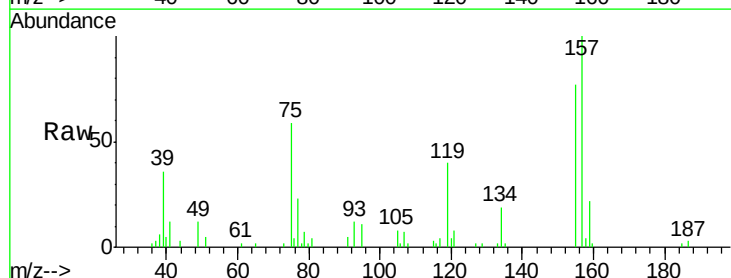
Instrument :
 MSVOA_D
 ClientSampleId :

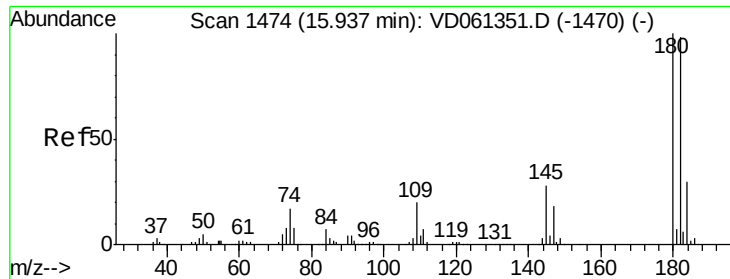
Tot Ion:146 Resp: 262554
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.2 63.6
 148 62.8 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.655 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.03 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion: 75 Resp: 15571
 Ion Ratio Lower Upper
 75 100
 155 131.3 43.6 130.9#
 157 170.1 58.5 175.3

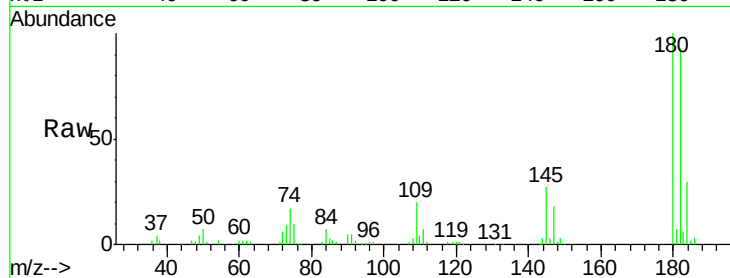




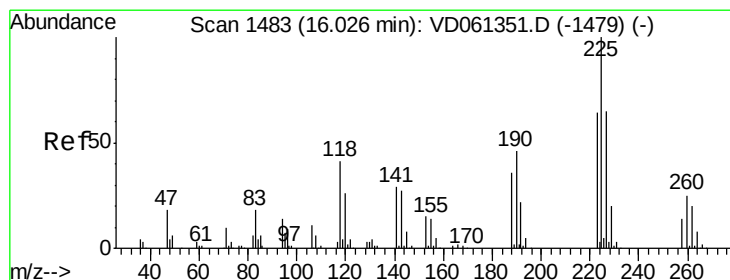
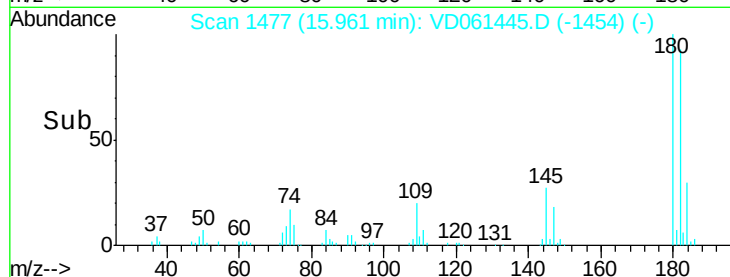
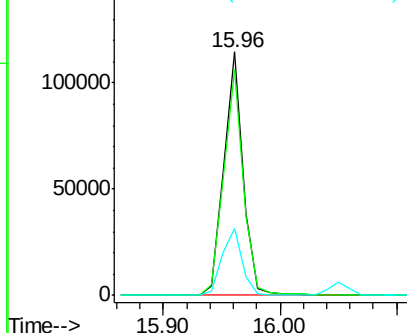
#93
 1,2,4-Trichlorobenzene
 Concen: 25.158 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 131099
 Ion Ratio Lower Upper
 180 100
 182 92.5 48.9 146.8
 145 27.4 14.1 42.3

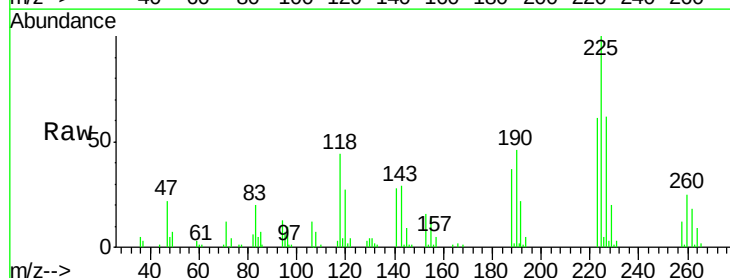


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

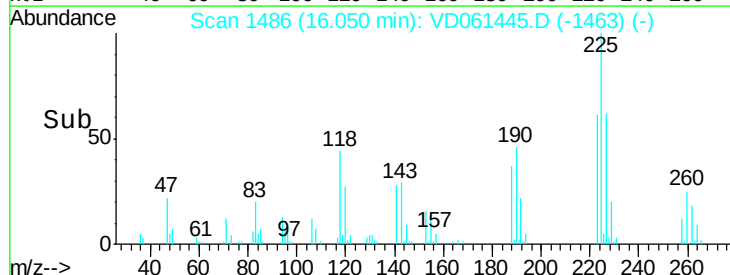
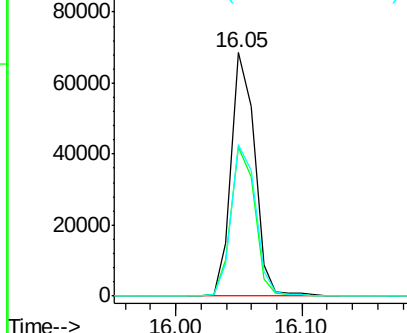


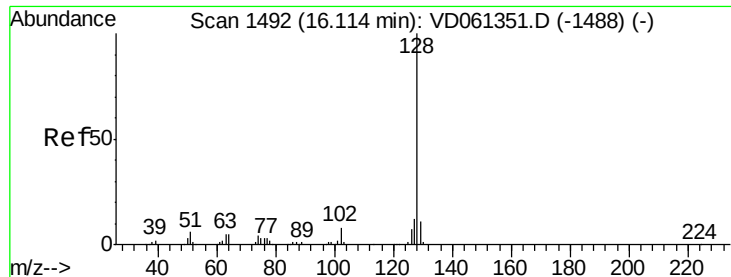
#94
 Hexachlorobutadiene
 Concen: 21.744 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061445.D
 Acq: 31 Mar 2019 14:28

Tgt Ion:225 Resp: 88541
 Ion Ratio Lower Upper
 225 100
 223 61.1 32.0 96.0
 227 62.1 32.4 97.2



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

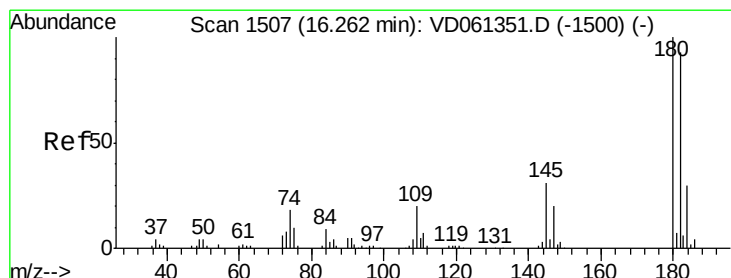
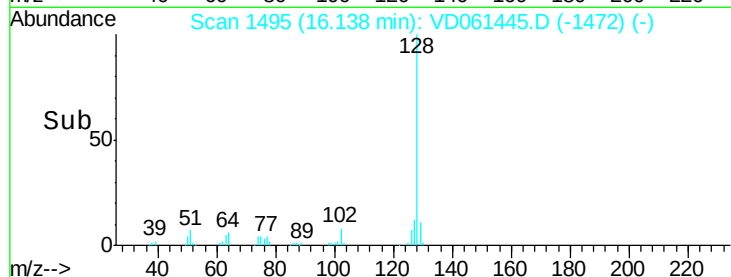
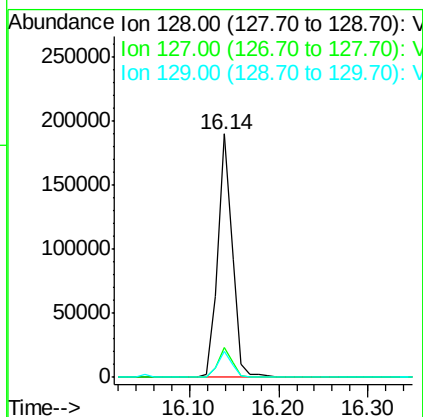
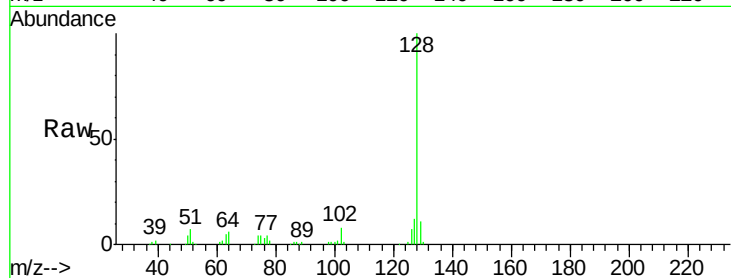




#95
Naphthalene
Concen: 27.150 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 215653
Ion Ratio Lower Upper
128 100
127 12.2 9.9 14.9
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 33.888 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD061445.D
Acq: 31 Mar 2019 14:28

Tgt Ion:180 Resp: 77708
Ion Ratio Lower Upper
180 100
182 95.1 46.4 139.1
145 30.8 15.3 45.9

