

Data File : VD060962.D
Acq On : 6 Mar 2019 13:46
Operator : VA/AP
Sample : VD0306SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

Quant Time: Mar 07 05:48:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	747714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1231929	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	1044454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	459460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	307274	49.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.42%	
35) Dibromofluoromethane	6.93	113	499374	50.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.41	98	1112582	45.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	13.56	95	487393	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	174536	21.067	ug/l	98
3) Chloromethane	1.77	50	143787	20.914	ug/l	100
4) Vinyl Chloride	1.86	62	120610	19.417	ug/l	98
5) Bromomethane	2.17	94	17315	15.781	ug/l	90
6) Chloroethane	2.27	64	28452	19.012	ug/l	99
7) Trichlorofluoromethane	2.54	101	166173	22.289	ug/l	96
8) Diethyl Ether	2.88	74	61346	18.655	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	206758	20.446	ug/l	99
10) Methyl Iodide	3.32	142	242197	19.800	ug/l	95
11) Tert butyl alcohol	4.09	59	42036	91.244	ug/l #	94
12) 1,1-Dichloroethene	3.14	96	174538	20.348	ug/l	99
13) Acrolein	3.05	56	53907	84.496	ug/l	91
14) Allyl chloride	3.63	41	268844	19.215	ug/l	99
15) Acrylonitrile	4.20	53	164619	93.322	ug/l	96
16) Acetone	3.24	43	193496	93.755	ug/l	99
17) Carbon Disulfide	3.39	76	557523	18.336	ug/l	99
18) Methyl Acetate	3.65	43	69412	16.425	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	303701	20.129	ug/l	96
20) Methylene Chloride	3.83	84	198525	17.938	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	188407	20.176	ug/l	95
22) Diisopropyl ether	5.13	45	547002	18.413	ug/l	97
23) Vinyl Acetate	5.07	43	1440226	92.315	ug/l	100
24) 1,1-Dichloroethane	5.00	63	300697	18.978	ug/l	99
25) 2-Butanone	6.07	43	236487	92.369	ug/l	100
26) 2,2-Dichloropropane	6.03	77	228634	19.425	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	198642	18.761	ug/l	97
28) Bromochloromethane	6.45	49	120954	18.174	ug/l #	97
29) Tetrahydrofuran	6.46	42	118097	89.615	ug/l	98
30) Chloroform	6.67	83	307131	19.986	ug/l	98
31) Cyclohexane	6.96	56	287322	21.055	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	239681	18.215	ug/l	98
36) 1,1-Dichloropropene	7.15	75	229590	20.270	ug/l	99
37) Ethyl Acetate	6.19	43	110752	19.021	ug/l	98
38) Carbon Tetrachloride	7.12	117	249539	20.506	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	255045	20.599	ug/l	95
40) Benzene	7.46	78	609339	21.124	ug/l	100
41) Methacrylonitrile	6.46	41	125363	34.463	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	167881	20.685	ug/l	100
43) Isopropyl Acetate	9.24	43	164228	20.229	ug/l #	100
44) Trichloroethene	8.54	130	222970	22.571	ug/l	96
45) 1,2-Dichloropropane	8.94	63	159744	20.918	ug/l	98
46) Dibromomethane	9.07	93	97844	19.863	ug/l	98
47) Bromodichloromethane	9.38	83	223140	20.767	ug/l	96
48) Methyl methacrylate	9.13	41	93640	20.530	ug/l	99
49) 1,4-Dioxane	9.08	88	19358	405.413	ug/l #	88
51) 4-Methyl-2-Pentanone	10.30	43	503436	101.854	ug/l	98
52) Toluene	10.51	92	370351	19.984	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	200822	20.310	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	247196	20.162	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	128473	20.963	ug/l	97
56) Ethyl methacrylate	11.04	69	124670	19.189	ug/l	93
57) 1,3-Dichloropropane	11.41	76	186175	20.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	360705	103.952	ug/l	97
59) 2-Hexanone	11.53	43	375044	108.243	ug/l	99
60) Dibromochloromethane	11.68	129	184001	20.817	ug/l	100
61) 1,2-Dibromoethane	11.80	107	141926	19.712	ug/l	99
64) Tetrachloroethene	11.26	164	162945	20.380	ug/l	98
65) Chlorobenzene	12.39	112	463351	19.926	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	167946	20.126	ug/l	100
67) Ethyl Benzene	12.52	91	714437	21.101	ug/l	100
68) m/p-Xylenes	12.67	106	540305	39.941	ug/l	97
69) o-Xylene	13.04	106	261813	20.604	ug/l	99
70) Styrene	13.07	104	442859	20.889	ug/l	98
71) Bromoform	13.23	173	107078	20.274	ug/l	100
73) Isopropylbenzene	13.40	105	654724	18.443	ug/l	97
74) N-amyl acetate	13.27	43	205718	19.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	140562	19.092	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	143381	19.260	ug/l	99
77) Bromobenzene	13.67	156	189960	20.472	ug/l	97
78) n-propylbenzene	13.77	91	802587	19.651	ug/l	100
79) 2-Chlorotoluene	13.84	91	457858	19.629	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	530502	19.706	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	44197	20.060	ug/l	97
82) 4-Chlorotoluene	13.95	91	532263	20.805	ug/l	100
83) tert-Butylbenzene	14.19	119	662871	21.506	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	530502	19.706	ug/l	98
85) sec-Butylbenzene	14.36	105	688089	19.256	ug/l	93
86) p-Isopropyltoluene	14.49	119	617254	21.208	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	333932	21.183	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	313887	20.050	ug/l	99
89) n-Butylbenzene	14.80	91	584393	20.305	ug/l	99
90) Hexachloroethane	15.01	117	158457	18.878	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	281596	20.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16993	19.725	ug/l	64

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD030619\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration

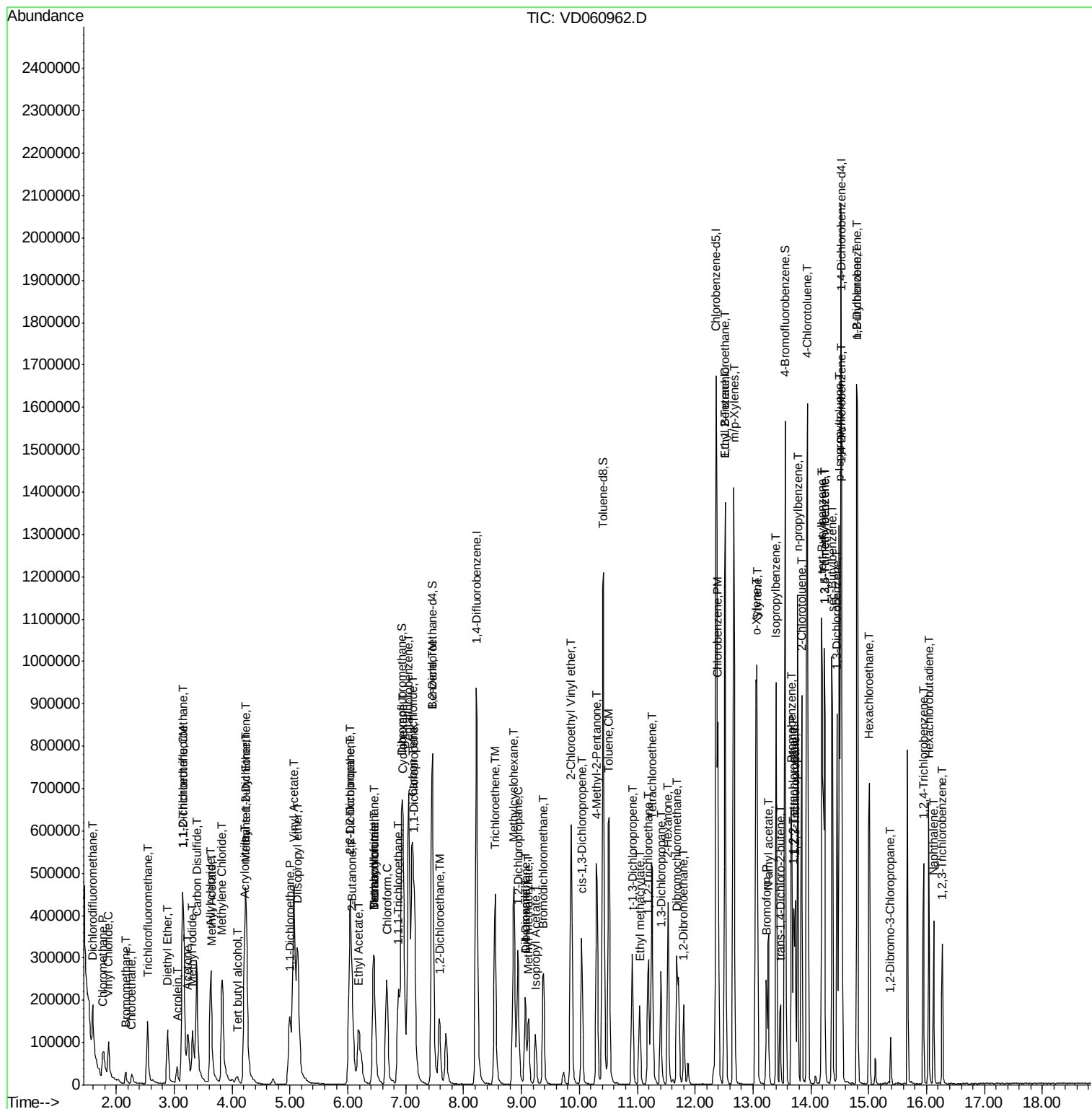
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	137941	17.393	ug/l	96
94) Hexachlorobutadiene	16.04	225	101612	19.962	ug/l	94
95) Naphthalene	16.12	128	227852	18.450	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	83400	18.726	ug/l	98

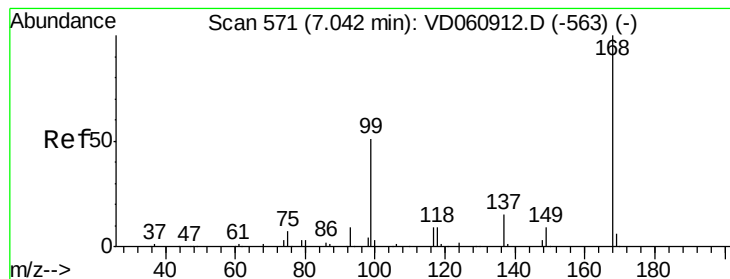
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

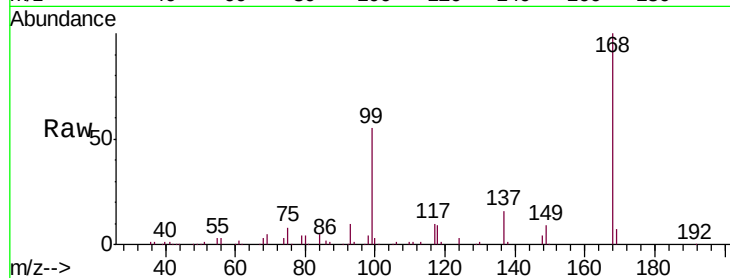
VD0306SBSD01

Tgt Ion:168 Resp: 747714

Ion Ratio Lower Upper

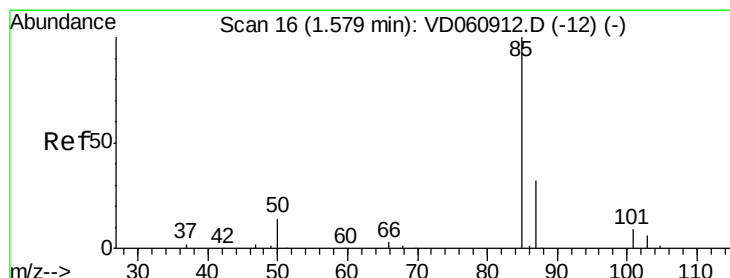
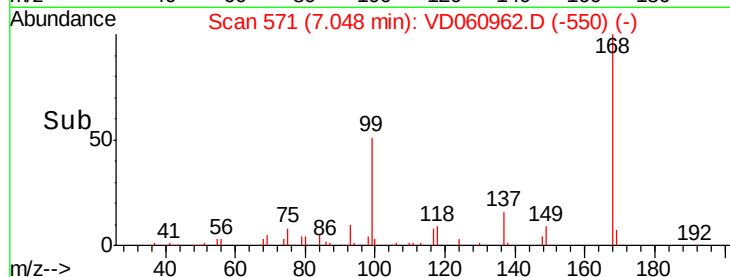
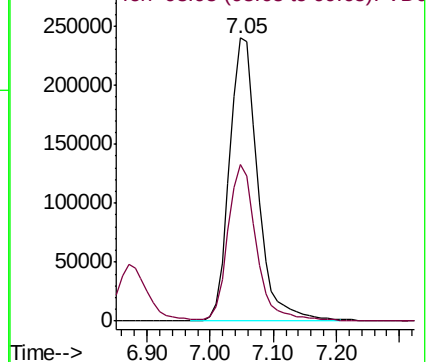
168 100

99 55.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 21.067 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD060962.D

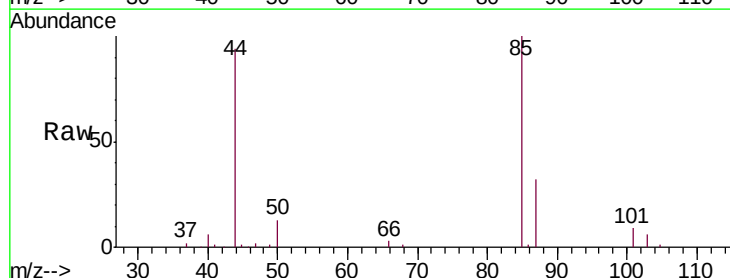
Acq: 6 Mar 2019 13:46

Tgt Ion: 85 Resp: 174536

Ion Ratio Lower Upper

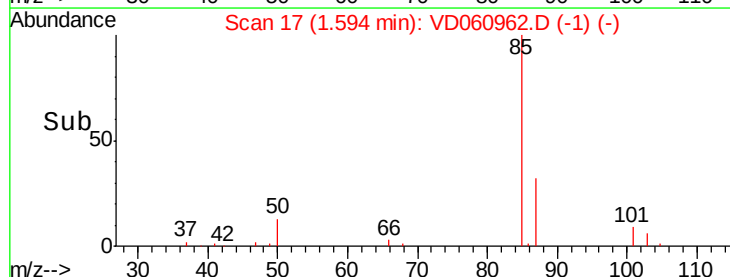
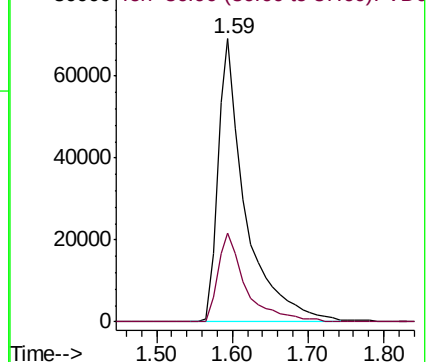
85 100

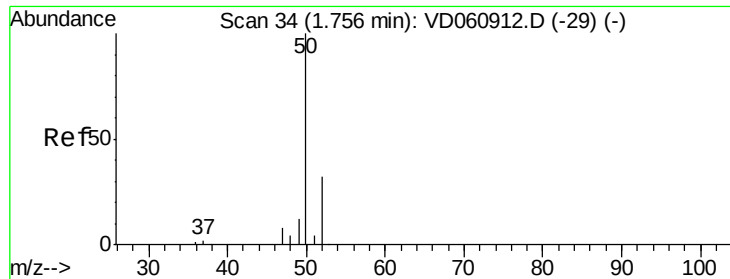
87 31.6 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 20.914 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

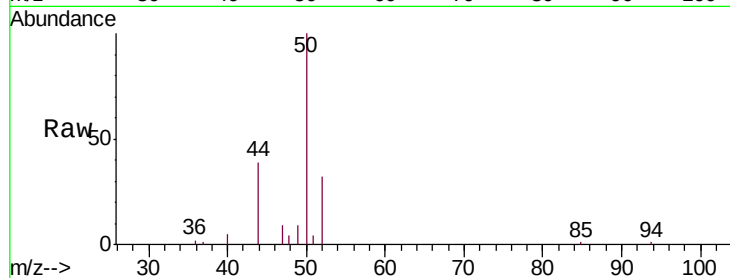
VD0306SBS01

Tgt Ion: 50 Resp: 143787

Ion Ratio Lower Upper

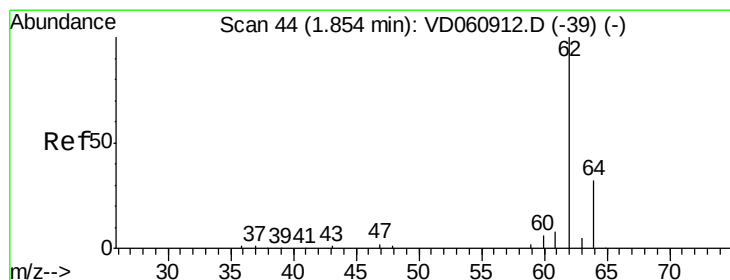
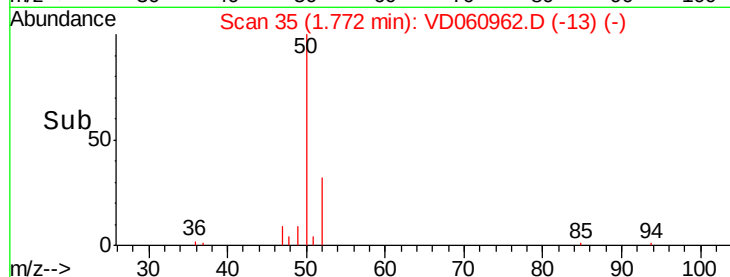
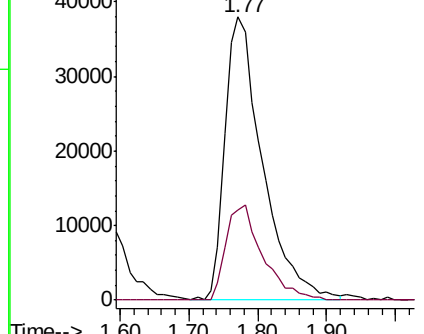
50 100

52 32.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.417 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD060962.D

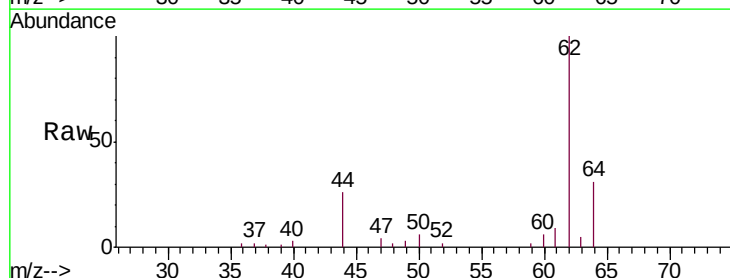
Acq: 6 Mar 2019 13:46

Tgt Ion: 62 Resp: 120610

Ion Ratio Lower Upper

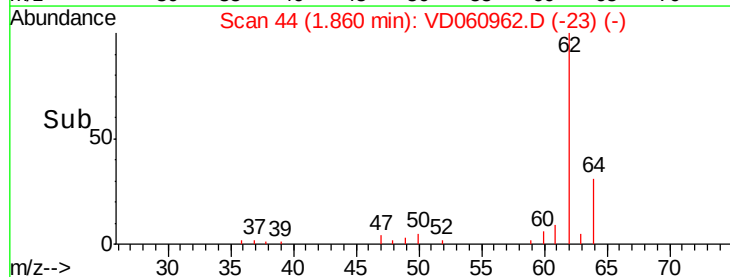
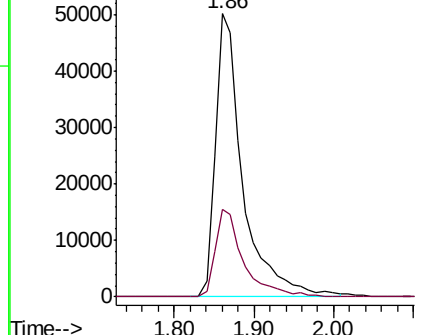
62 100

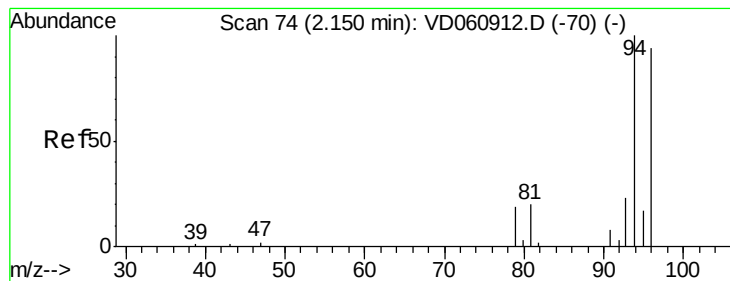
64 31.0 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.781 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.02 min

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ClientSampleId :

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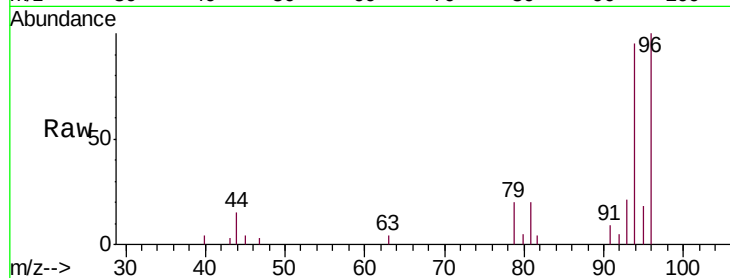
Tgt Ion: 94 Resp: 17315

Ion Ratio Lower Upper

94 100

96 105.2 75.1 112.7

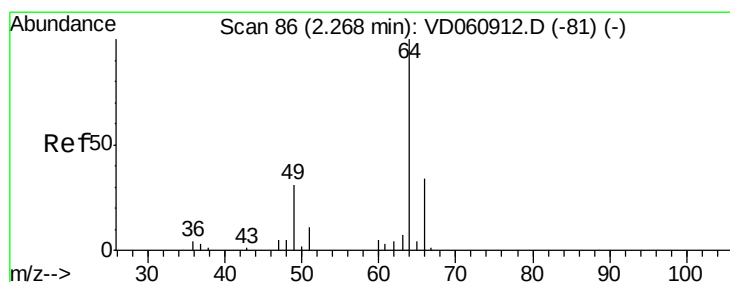
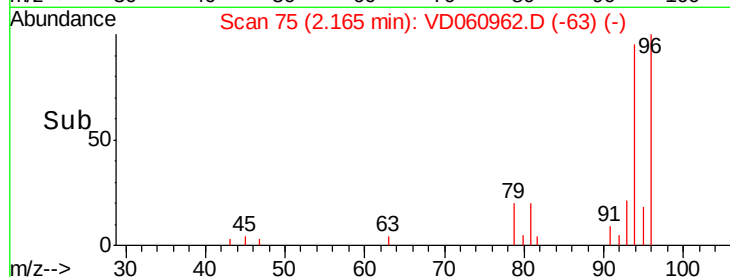
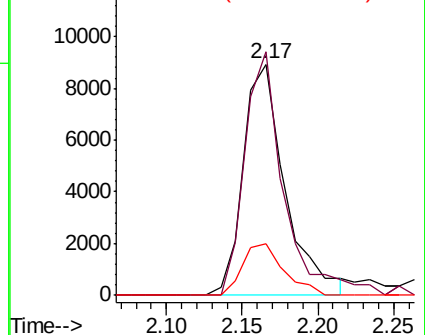
93 22.3 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 19.012 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD060962.D

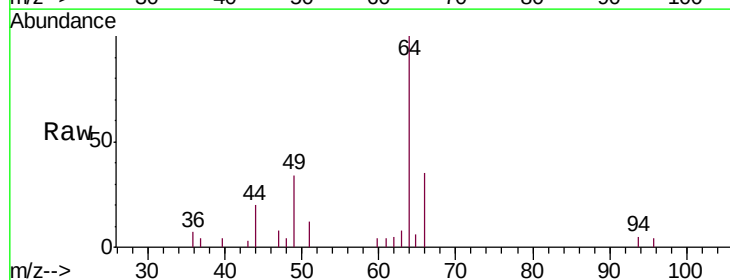
Acq: 6 Mar 2019 13:46

Tgt Ion: 64 Resp: 28452

Ion Ratio Lower Upper

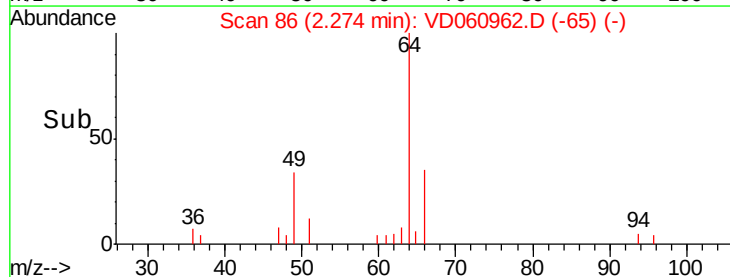
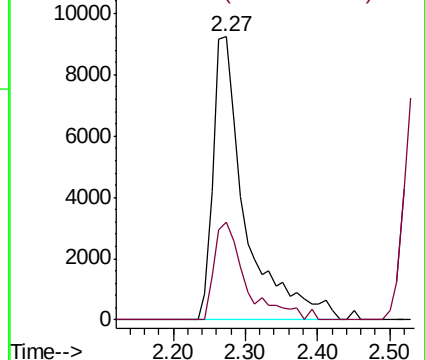
64 100

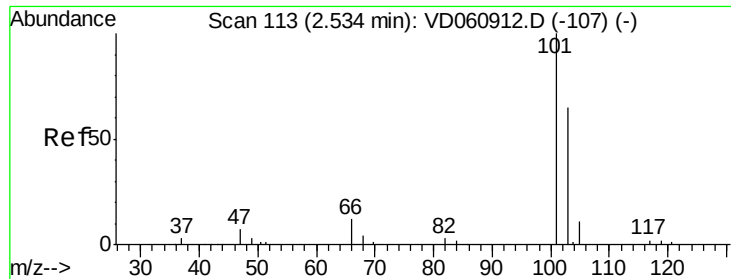
66 34.6 27.0 40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



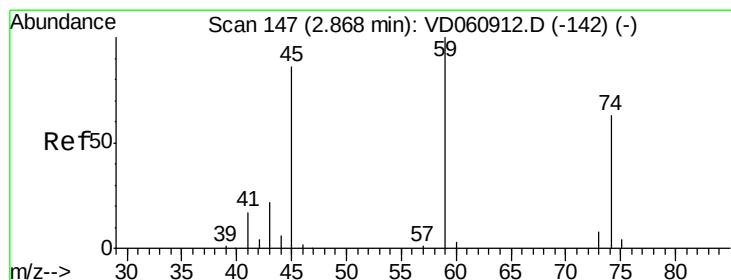
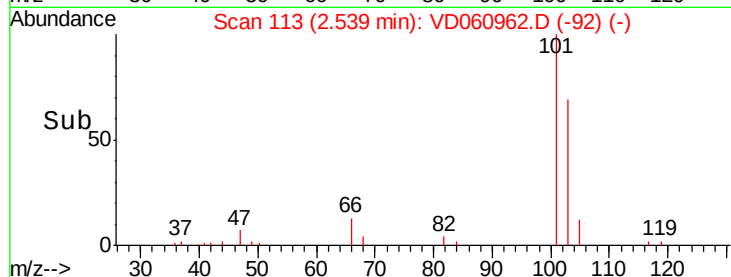
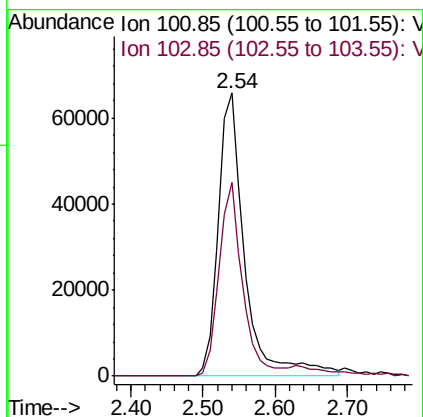
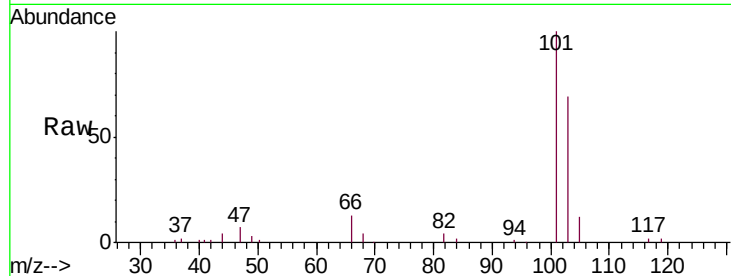


#7

Trichlorofluoromethane
 Concen: 22.289 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

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 MSVOA_D
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 VD0306SBSD01

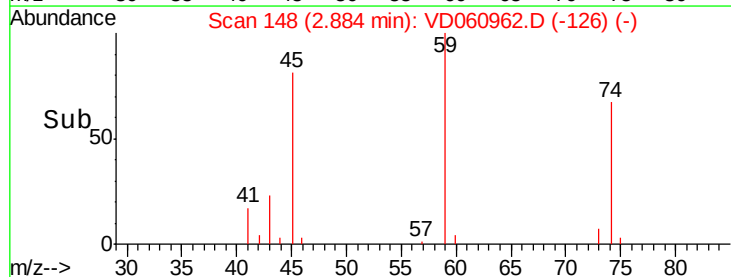
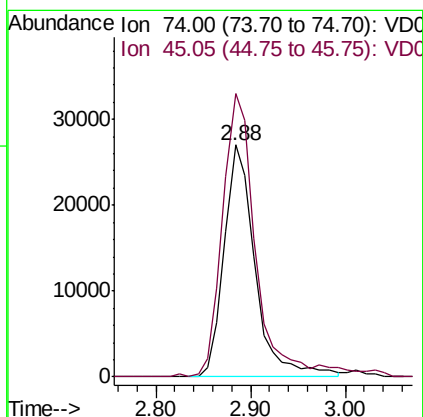
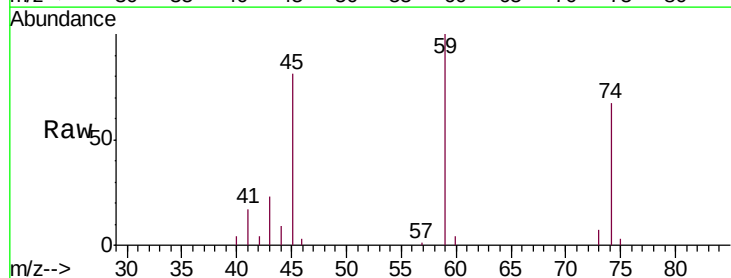
Tgt Ion:101 Resp: 166173
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.4 78.6

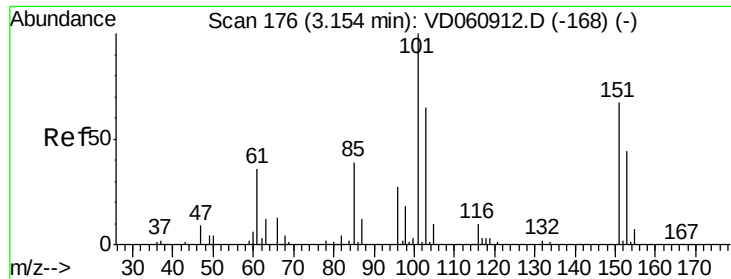


#8

Diethyl Ether
 Concen: 18.655 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 74 Resp: 61346
 Ion Ratio Lower Upper
 74 100
 45 122.2 68.8 206.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.446 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

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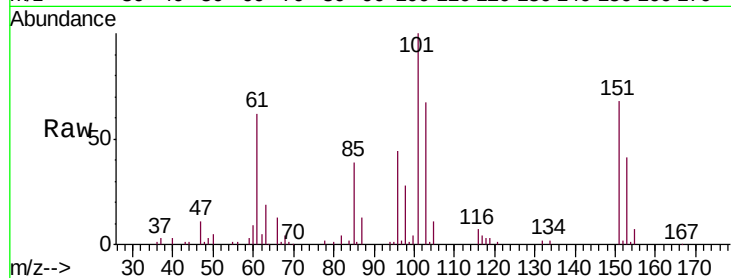
Tgt Ion:101 Resp: 206758

Ion Ratio Lower Upper

101 100

85 38.5 31.0 46.6

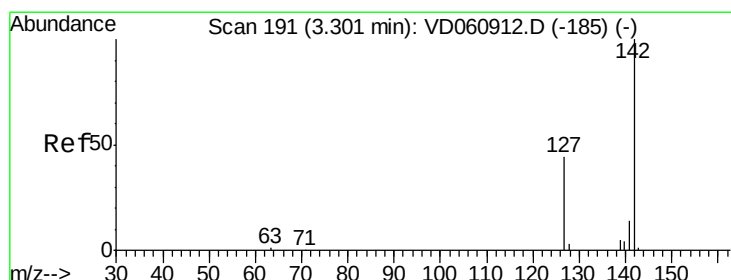
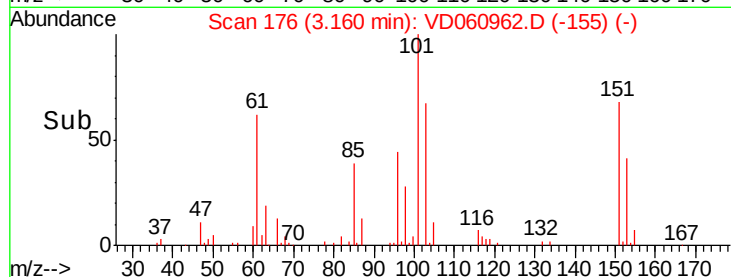
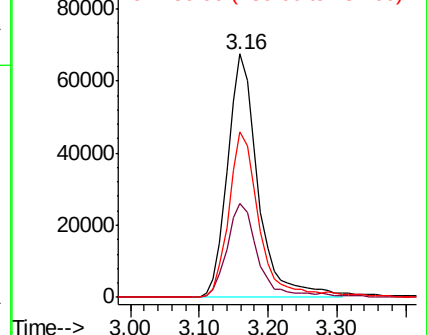
151 67.8 53.8 80.6



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: 19.800 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

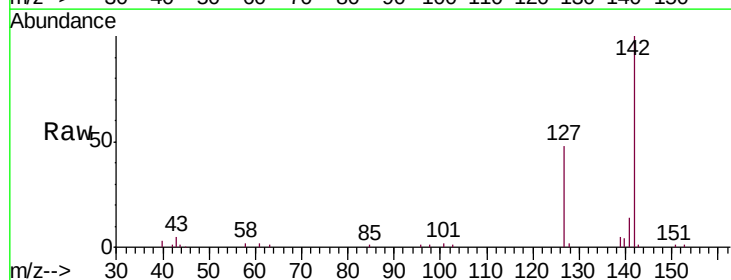
Tgt Ion:142 Resp: 242197

Ion Ratio Lower Upper

142 100

127 47.9 35.0 52.6

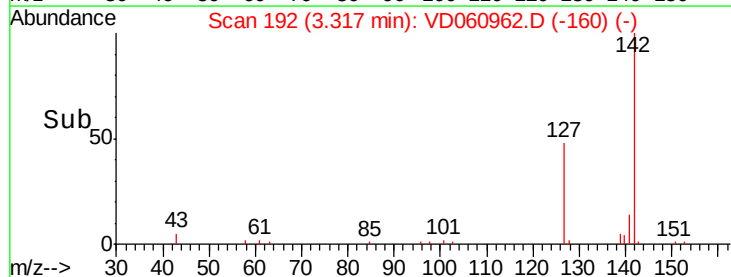
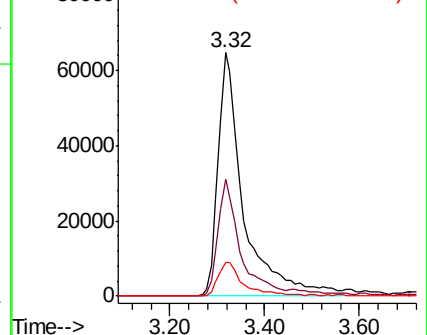
141 14.1 11.0 16.4

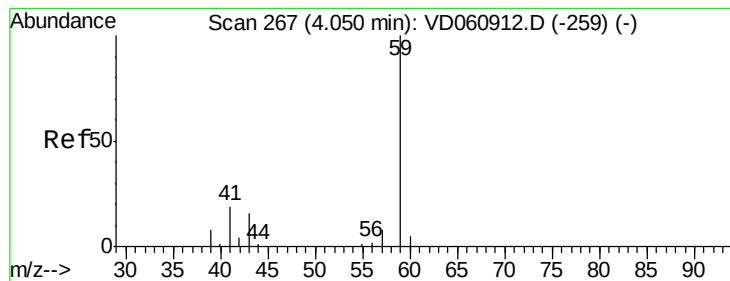


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 91.244 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.05 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

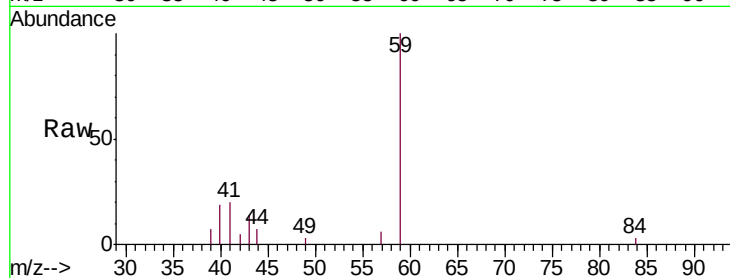
VD0306SBSD01

Tgt Ion: 59 Resp: 42036

Ion Ratio Lower Upper

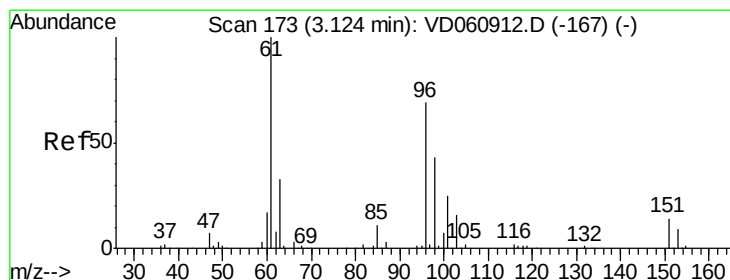
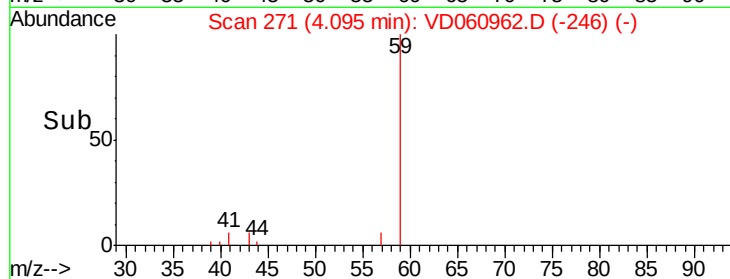
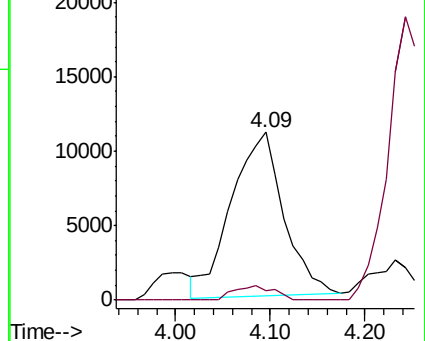
59 100

57 6.0 6.5 9.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.348 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

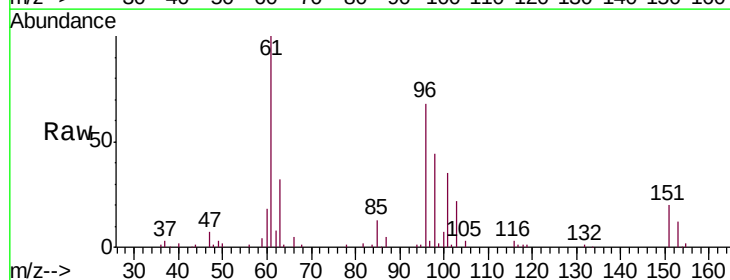
Tgt Ion: 96 Resp: 174538

Ion Ratio Lower Upper

96 100

61 146.8 116.4 174.6

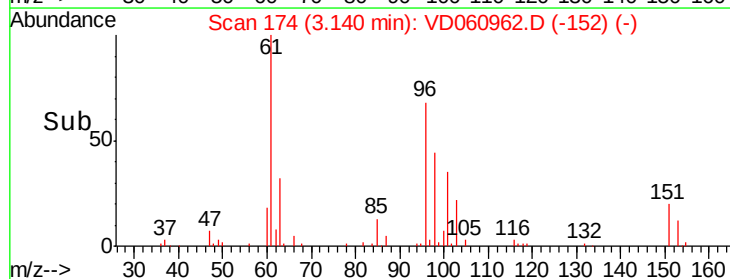
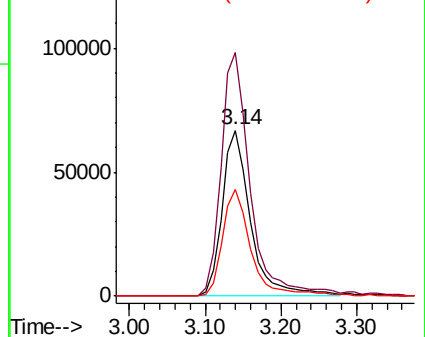
98 64.5 50.5 75.7

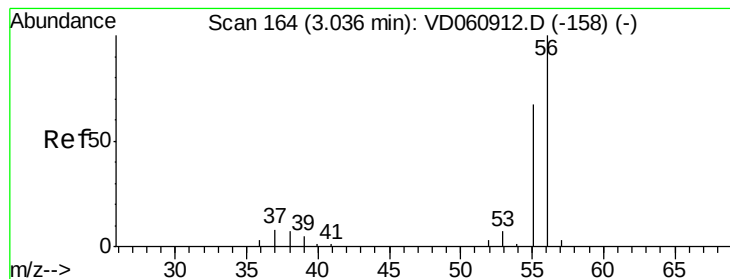


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 84.496 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

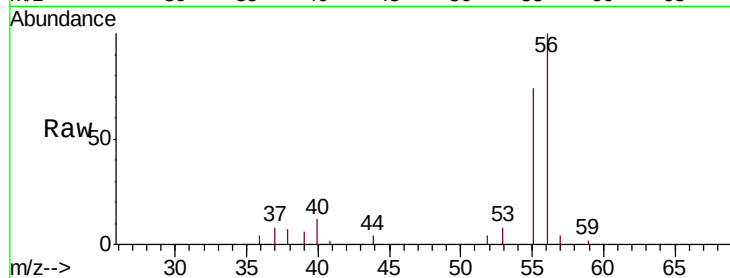
VD0306SBS01

Tgt Ion: 56 Resp: 53907

Ion Ratio Lower Upper

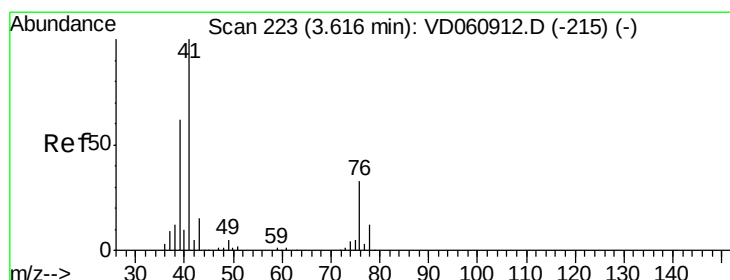
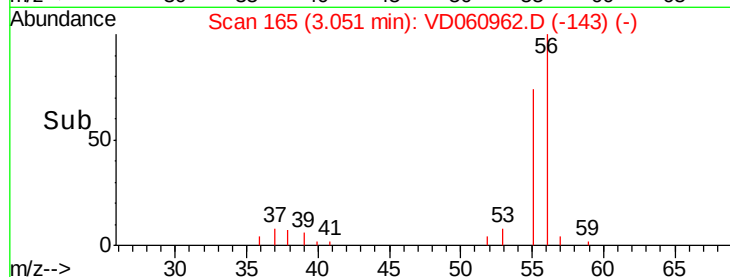
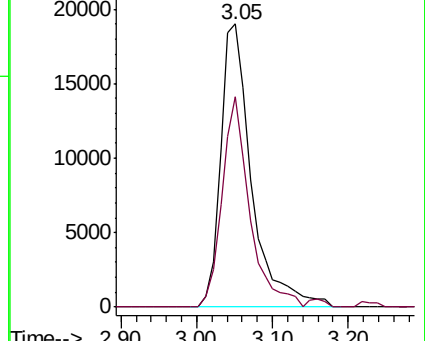
56 100

55 74.5 53.5 80.3



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.215 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

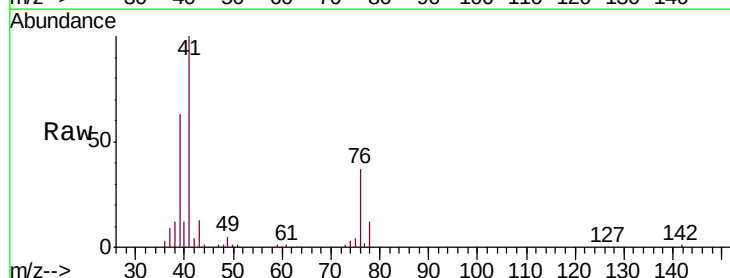
Tgt Ion: 41 Resp: 268844

Ion Ratio Lower Upper

41 100

39 63.2 49.9 74.9

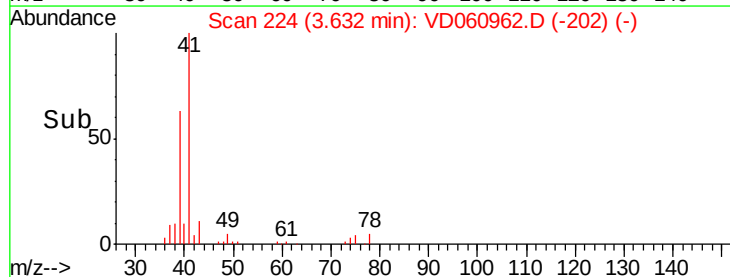
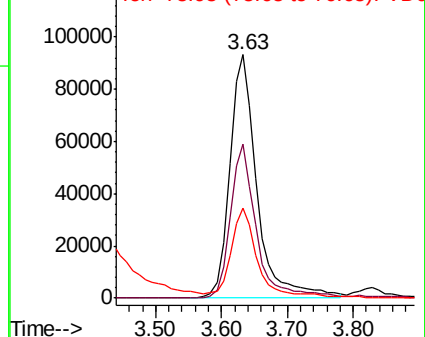
76 37.1 28.6 42.8

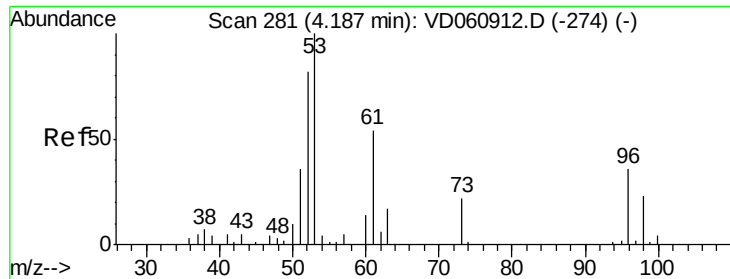


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.322 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

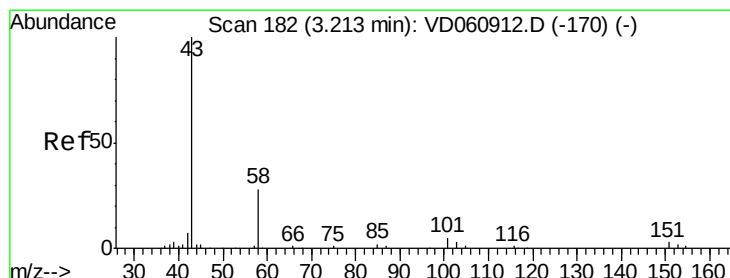
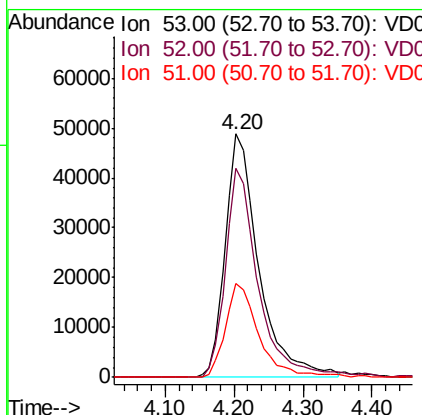
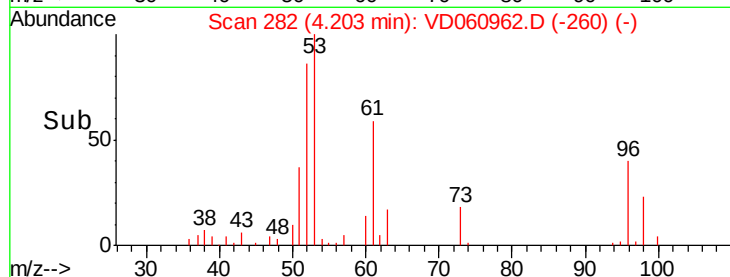
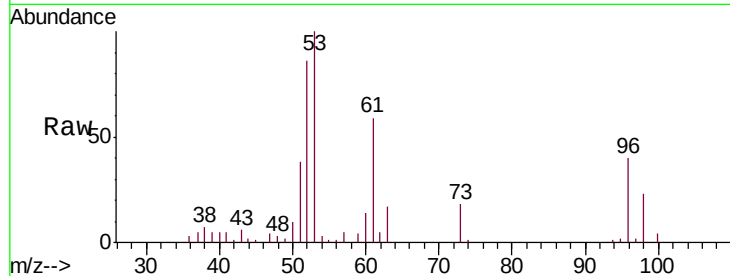
Tgt Ion: 53 Resp: 164619

Ion Ratio Lower Upper

53 100

52 85.8 65.8 98.6

51 38.4 28.9 43.3



#16

Acetone

Concen: 93.755 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD060962.D

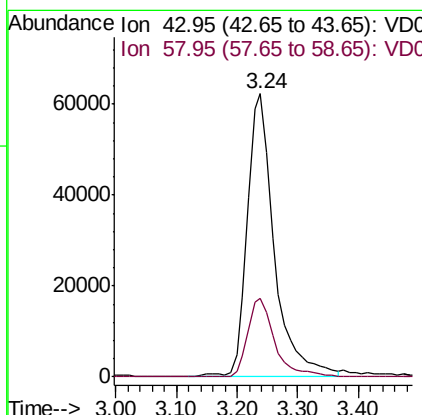
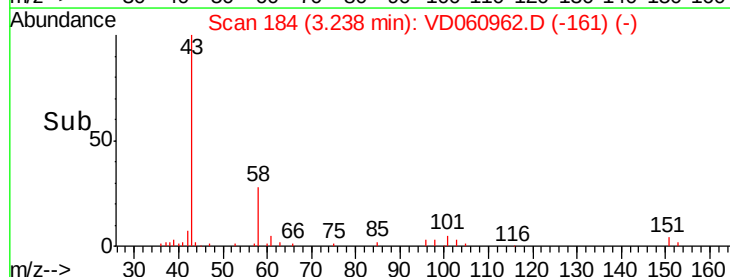
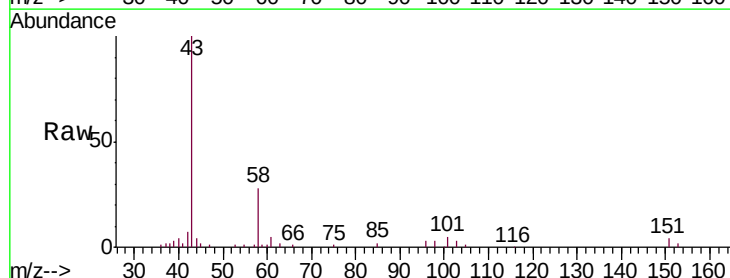
Acq: 6 Mar 2019 13:46

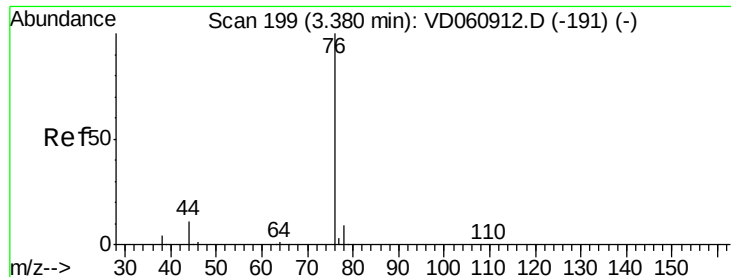
Tgt Ion: 43 Resp: 193496

Ion Ratio Lower Upper

43 100

58 27.7 22.8 34.2





#17

Carbon Disulfide

Concen: 18.336 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

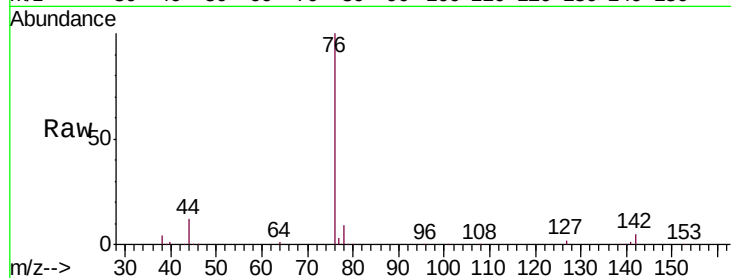
VD0306SBSD01

Tgt Ion: 76 Resp: 557523

Ion Ratio Lower Upper

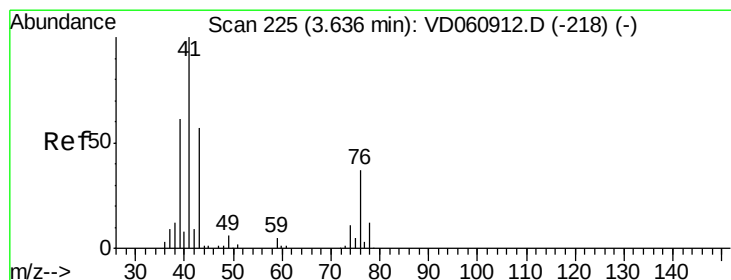
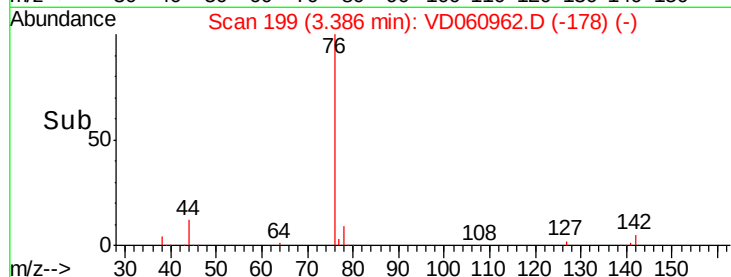
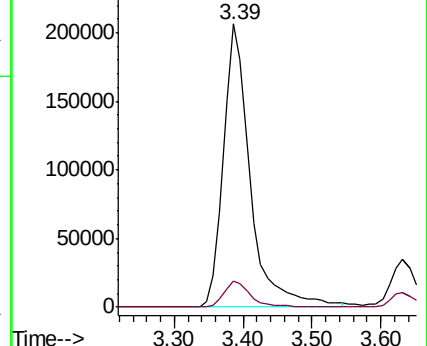
76 100

78 9.0 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 16.425 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD060962.D

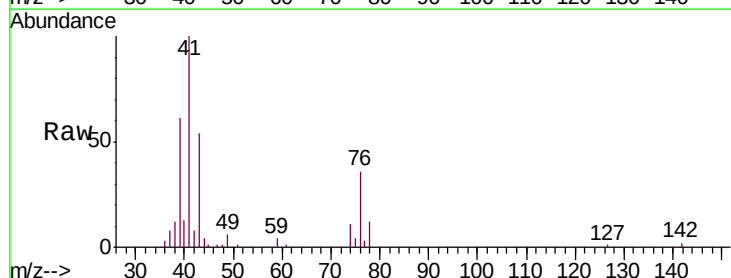
Acq: 6 Mar 2019 13:46

Tgt Ion: 43 Resp: 69412

Ion Ratio Lower Upper

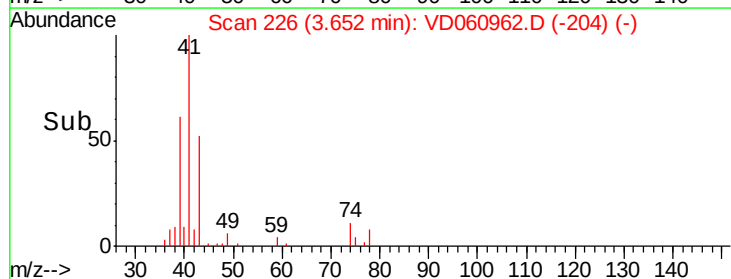
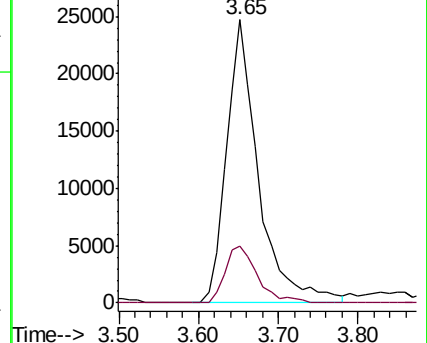
43 100

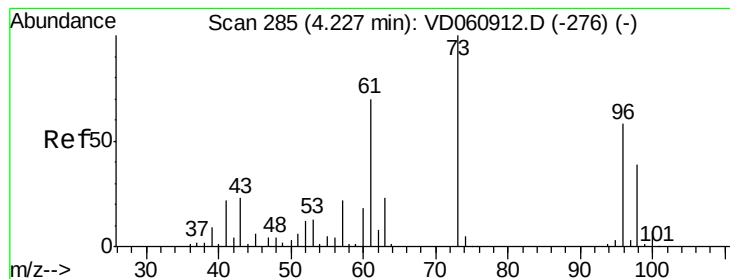
74 20.0 16.1 24.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



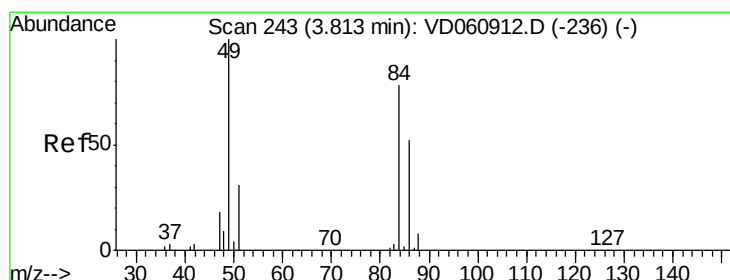
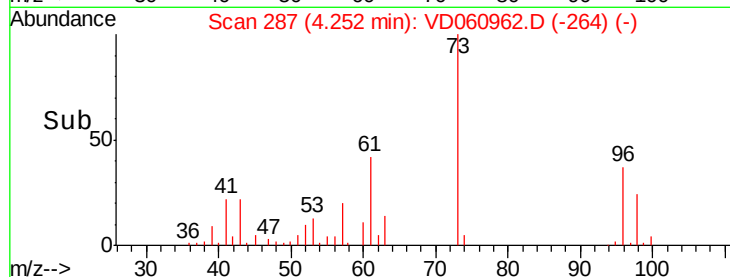
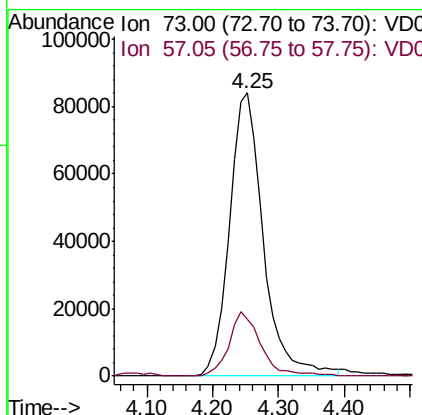
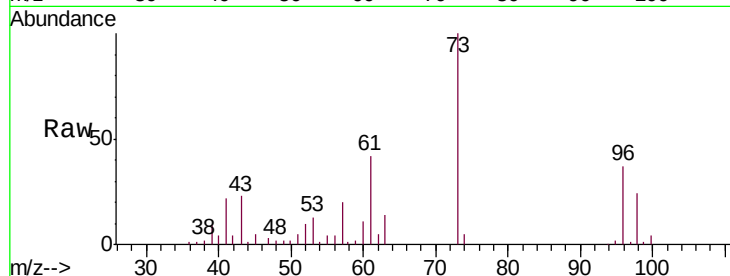


#19

Methyl tert-butyl Ether
 Concen: 20.129 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.03 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBS01

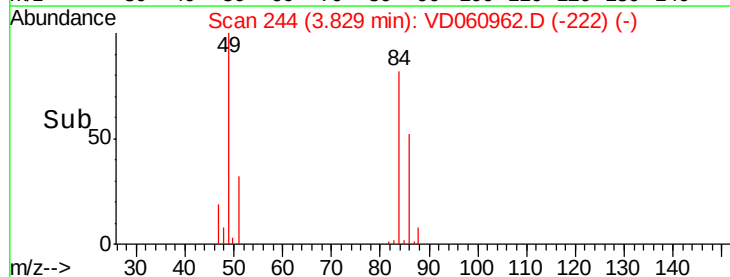
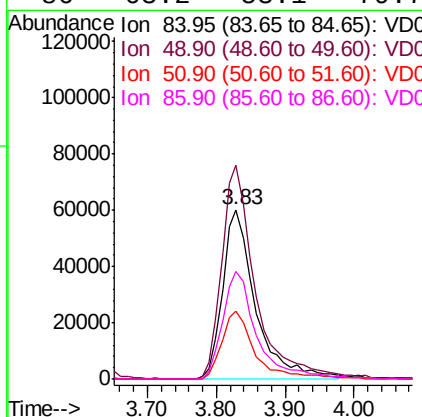
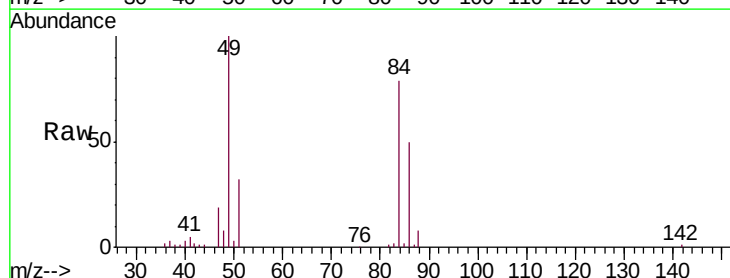
Tgt Ion: 73 Resp: 303701
 Ion Ratio Lower Upper
 73 100
 57 20.2 17.8 26.6

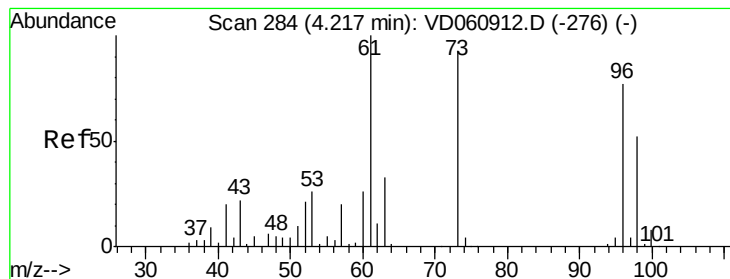


#20

Methylene Chloride
 Concen: 17.938 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 84 Resp: 198525
 Ion Ratio Lower Upper
 84 100
 49 126.0 102.4 153.6
 51 40.1 31.9 47.9
 86 63.2 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 20.176 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

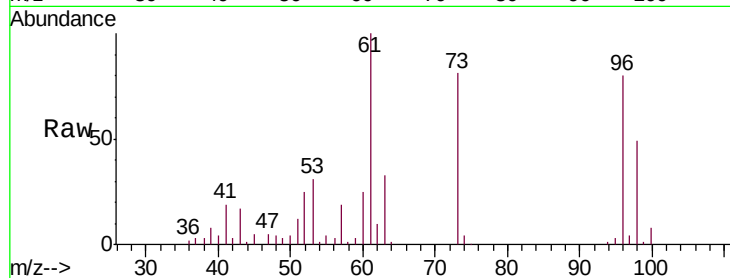
Tgt Ion: 96 Resp: 188407

Ion Ratio Lower Upper

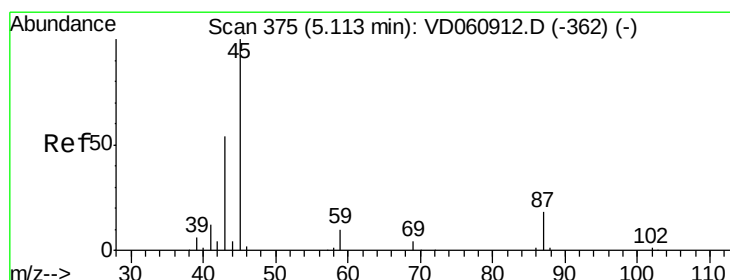
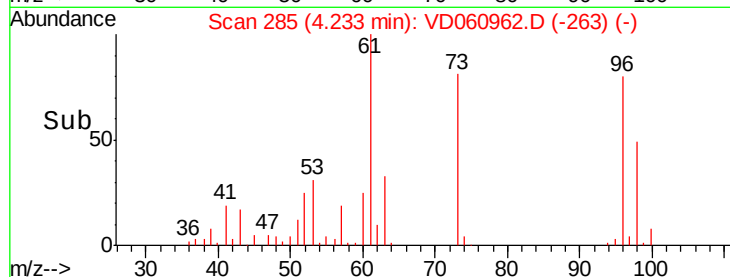
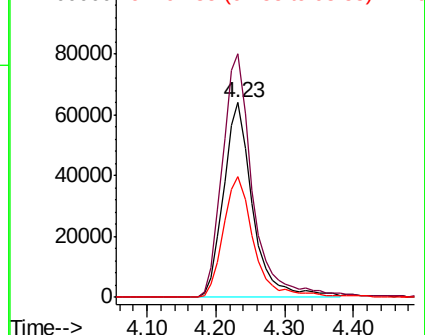
96 100

61 125.1 103.4 155.2

98 61.9 53.6 80.4



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: 18.413 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Tgt Ion: 45 Resp: 547002

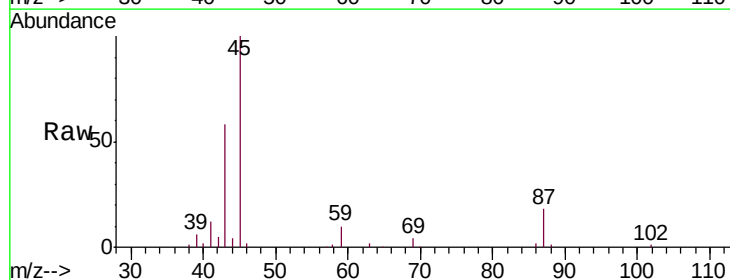
Ion Ratio Lower Upper

45 100

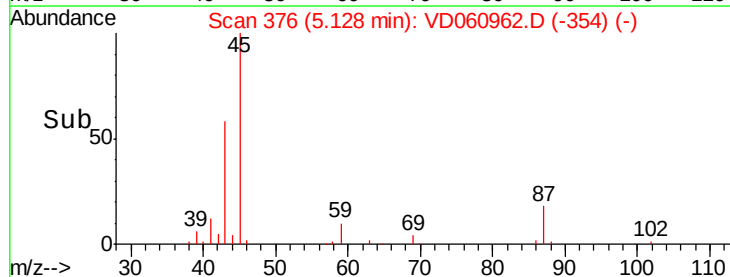
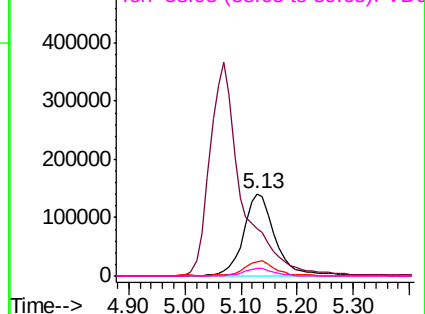
43 58.4 44.4 66.6

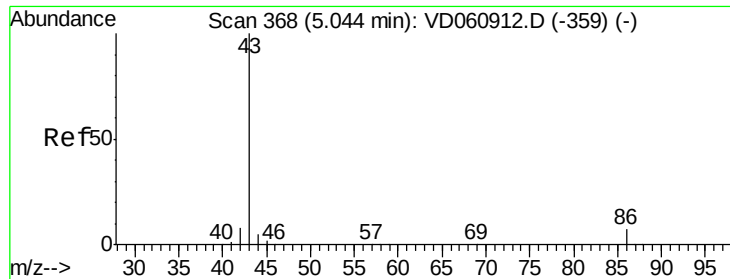
87 17.9 14.7 22.1

59 9.6 7.9 11.9



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





#23

Vinyl Acetate

Concen: 92.315 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.03 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

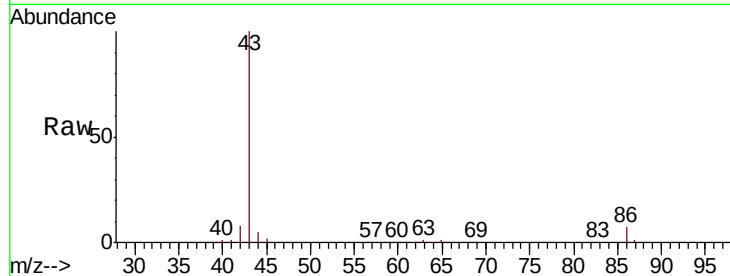
VD0306SBSD01

Tgt Ion: 43 Resp: 1440226

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

400000

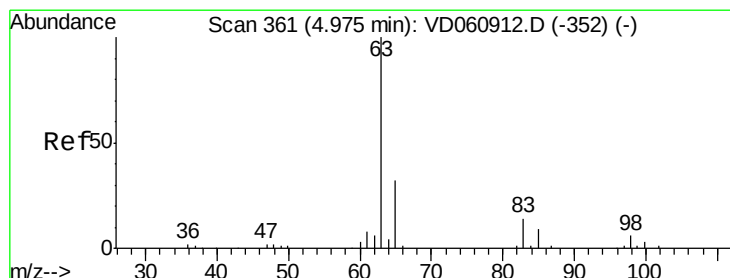
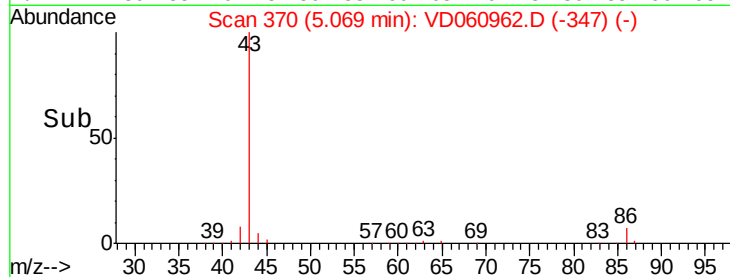
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 18.978 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

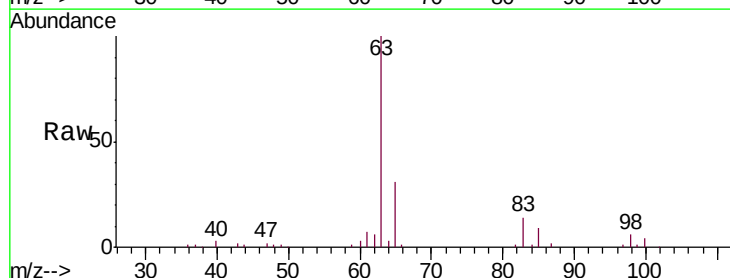
Tgt Ion: 63 Resp: 300697

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.8 1.7 5.1



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

5.00

100000

80000

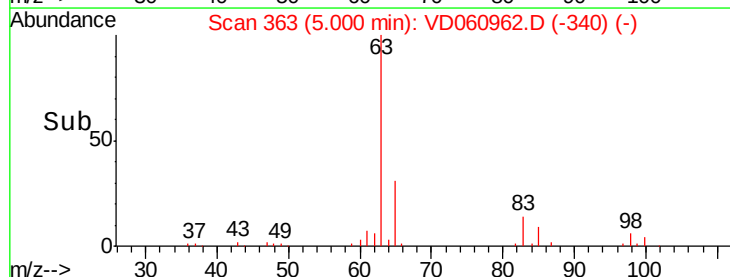
60000

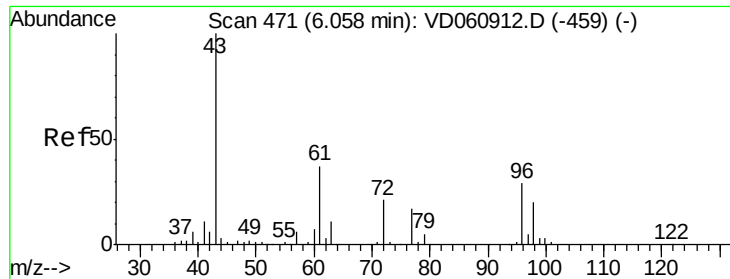
40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 92.369 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

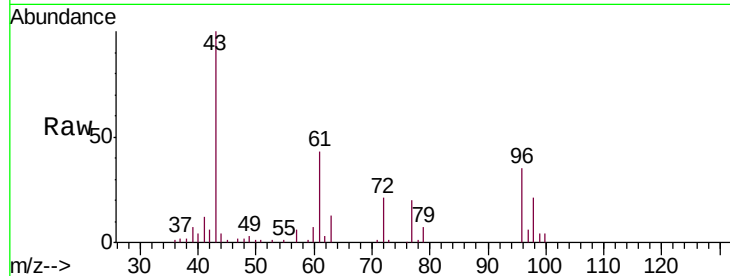
VD0306SBS01

Tgt Ion: 43 Resp: 236487

Ion Ratio Lower Upper

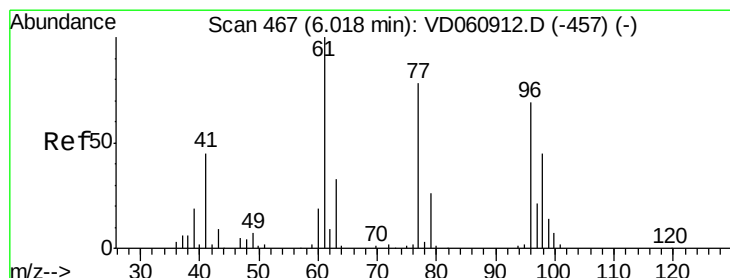
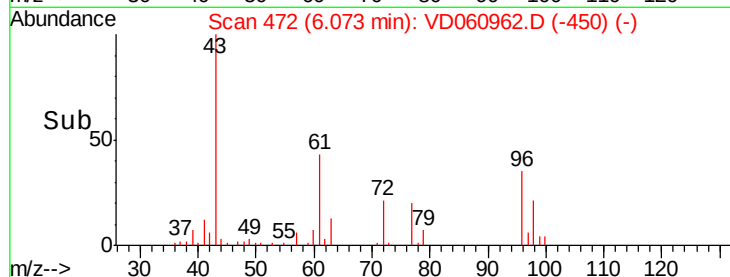
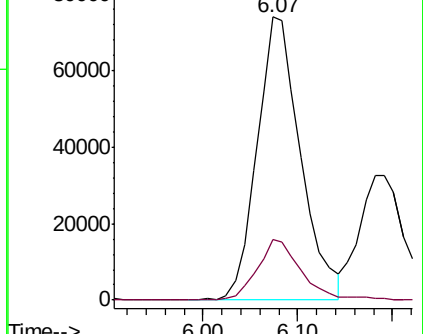
43 100

72 21.3 17.0 25.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.425 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD060962.D

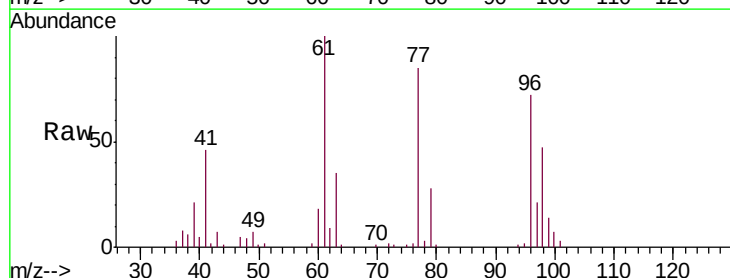
Acq: 6 Mar 2019 13:46

Tgt Ion: 77 Resp: 228634

Ion Ratio Lower Upper

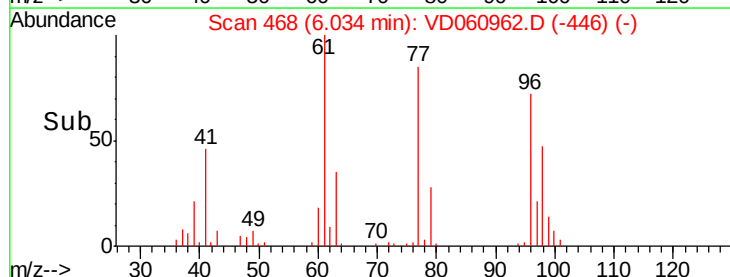
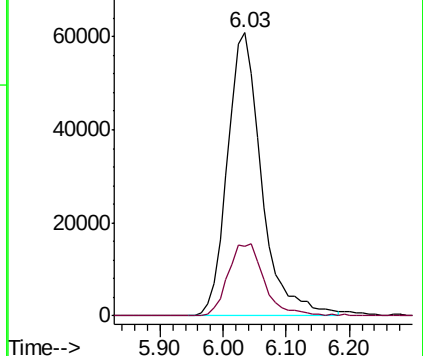
77 100

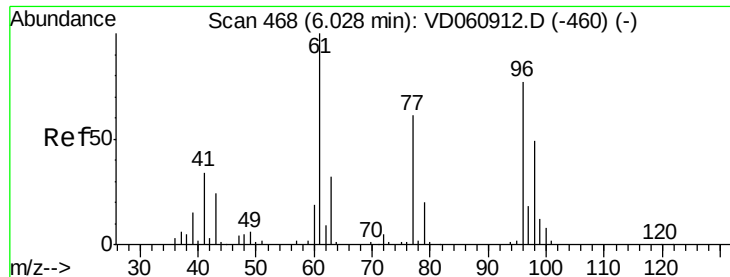
97 24.5 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



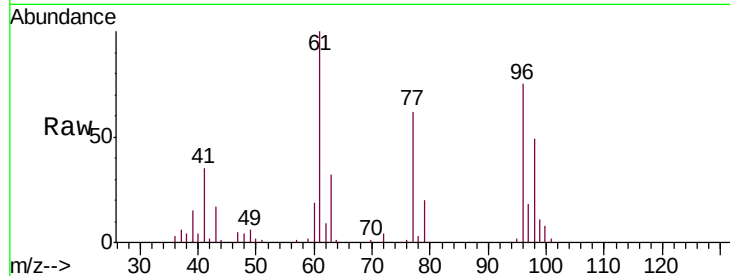


#27

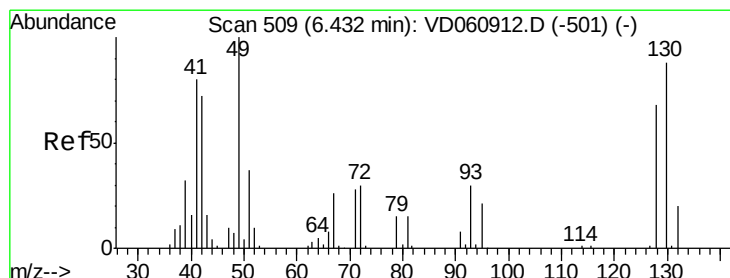
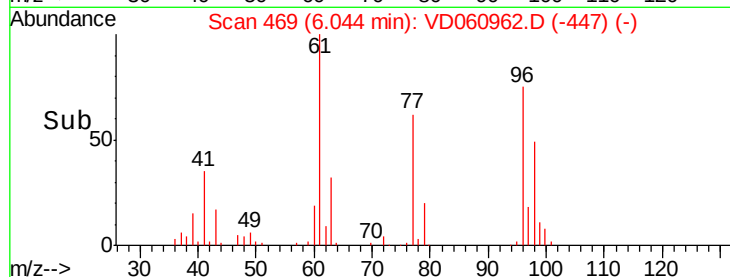
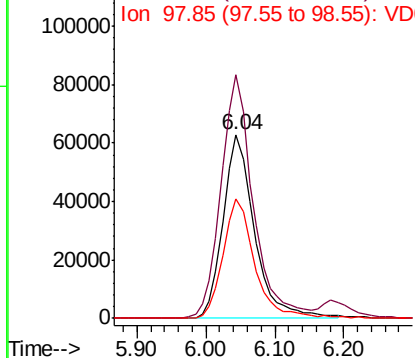
cis-1,2-Dichloroethene
Concen: 18.761 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

Tgt Ion: 96 Resp: 198642
Ion Ratio Lower Upper
96 100
61 132.6 0.0 258.8
98 65.4 0.0 126.4



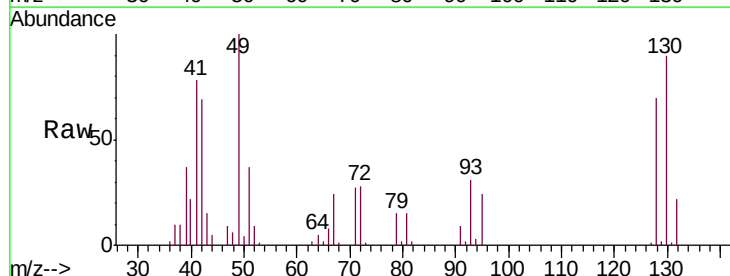
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



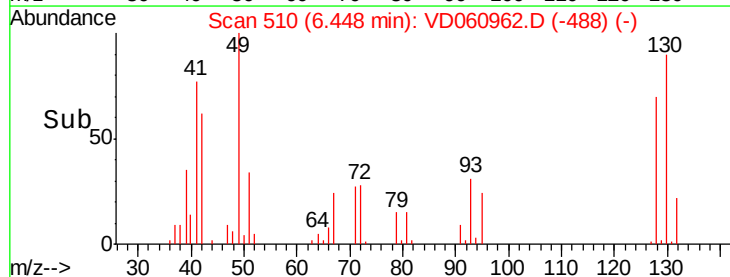
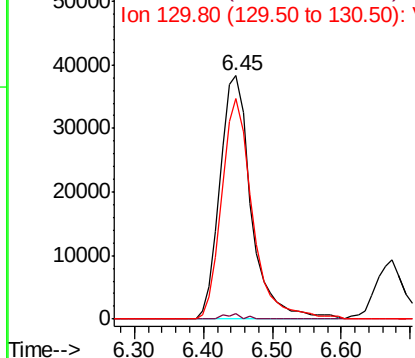
#28

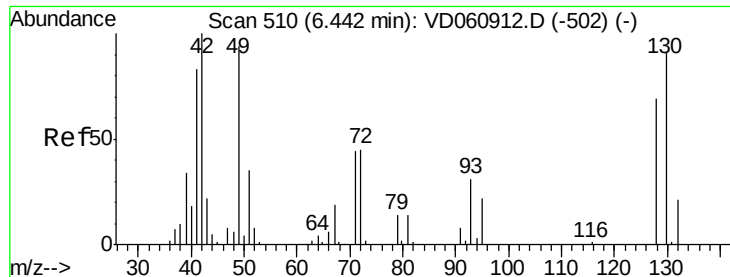
Bromochloromethane
Concen: 18.174 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 49 Resp: 120954
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 90.4 70.4 105.6



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





#29

Tetrahydrofuran

Concen: 89.615 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

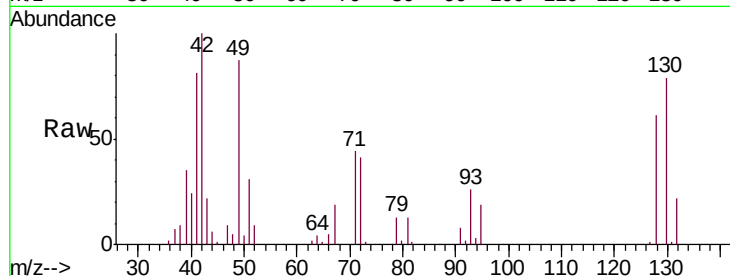
Tgt Ion: 42 Resp: 118097

Ion Ratio Lower Upper

42 100

72 42.7 33.8 50.6

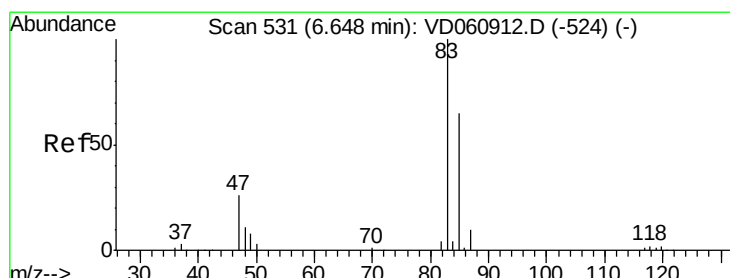
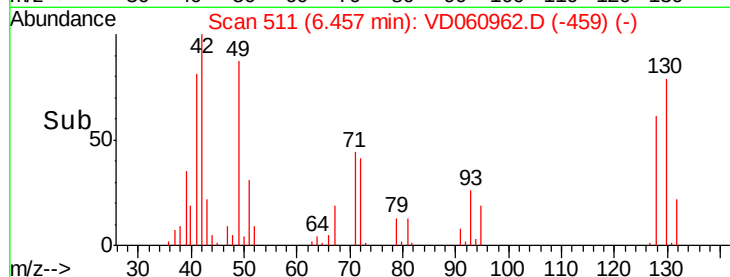
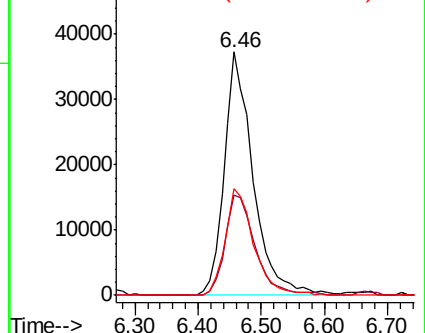
71 43.3 33.5 50.3



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: 19.986 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.03 min

Lab File: VD060962.D

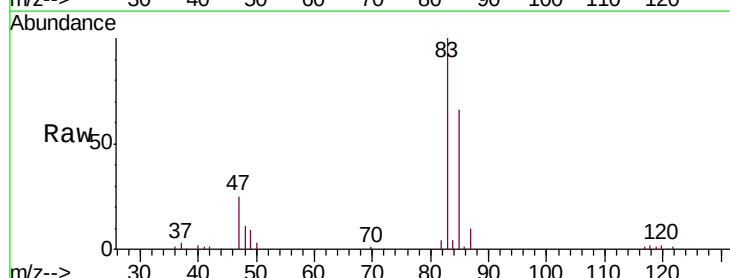
Acq: 6 Mar 2019 13:46

Tgt Ion: 83 Resp: 307131

Ion Ratio Lower Upper

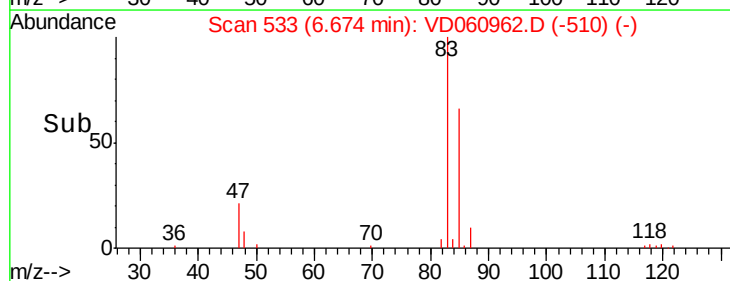
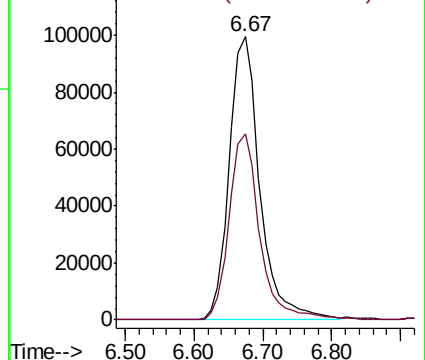
83 100

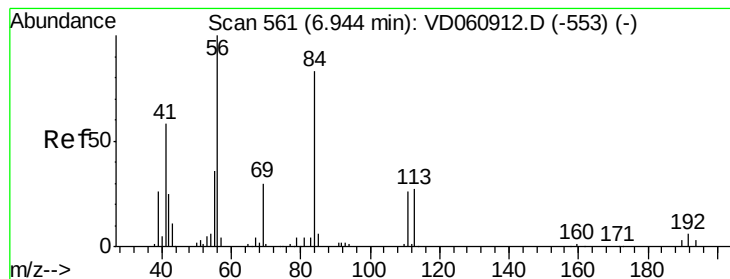
85 65.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 21.055 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

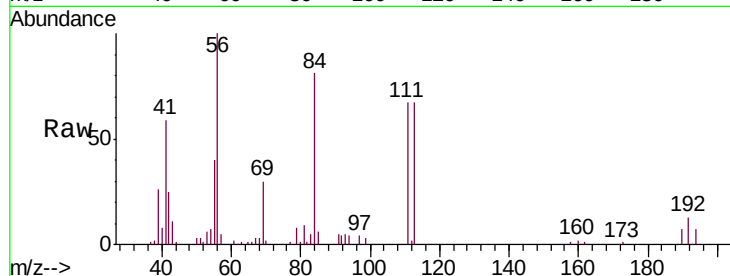
Tgt Ion: 56 Resp: 287322

Ion Ratio Lower Upper

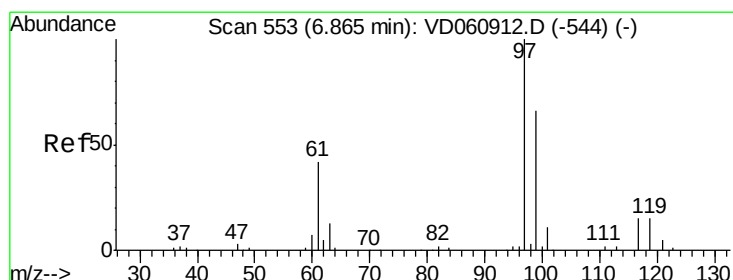
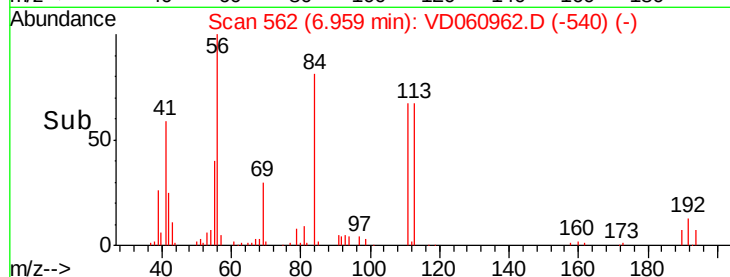
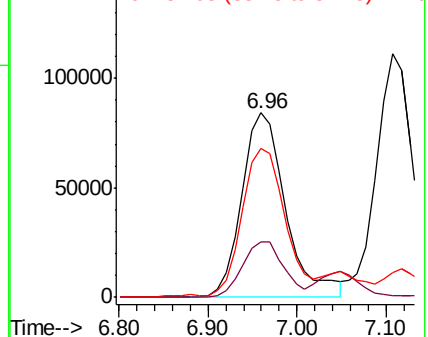
56 100

69 29.7 23.6 35.4

84 80.9 66.5 99.7



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: 18.215 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

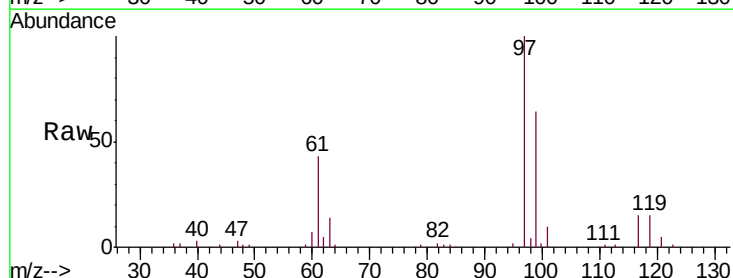
Tgt Ion: 97 Resp: 239681

Ion Ratio Lower Upper

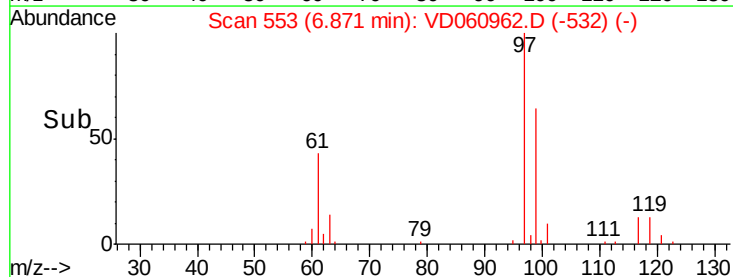
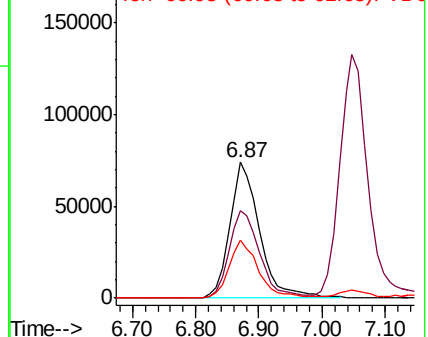
97 100

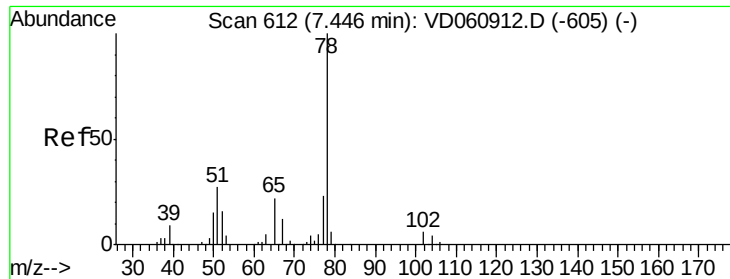
99 64.4 52.8 79.2

61 42.8 33.3 49.9



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

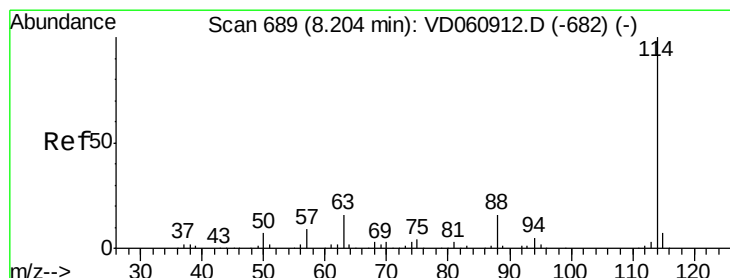
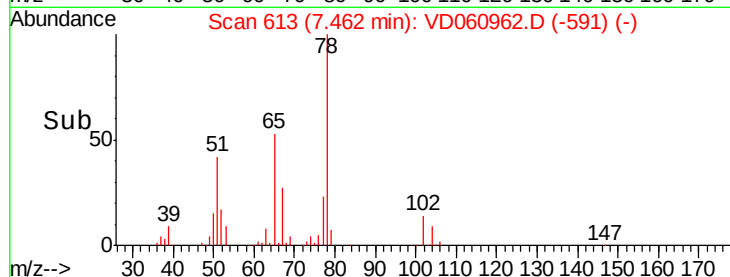
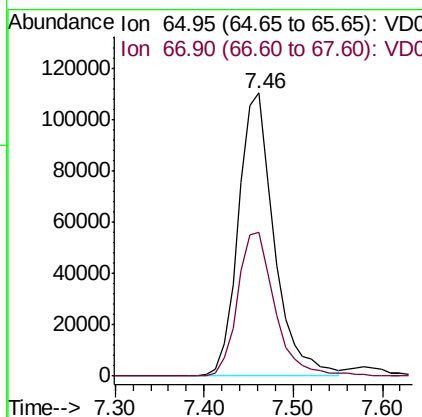
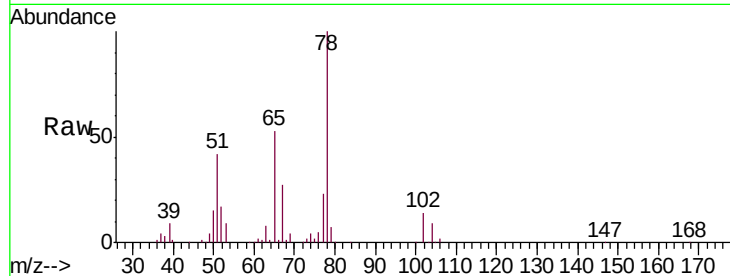




#33
 1,2-Dichloroethane-d4
 Concen: 18.215 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

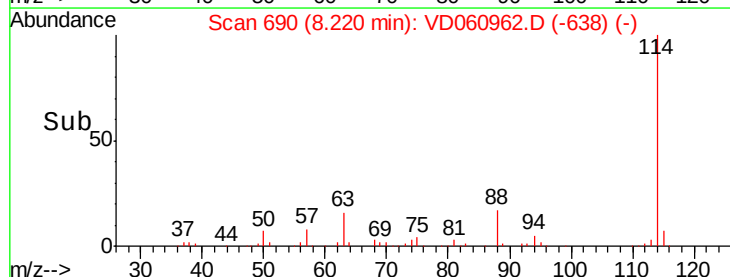
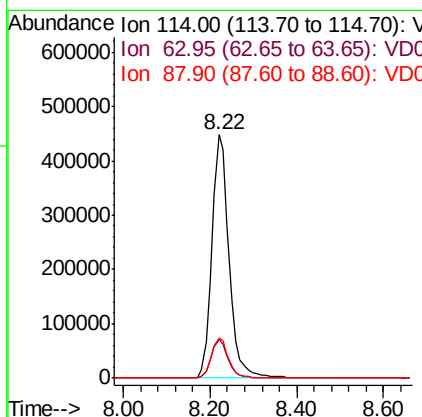
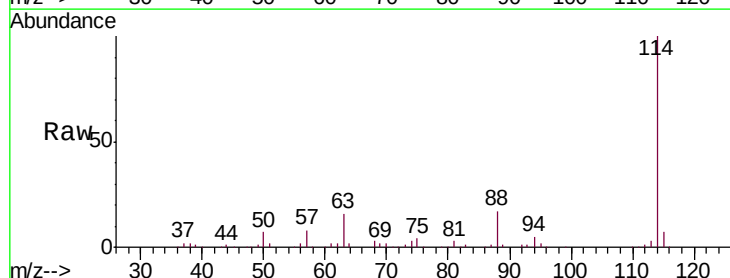
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

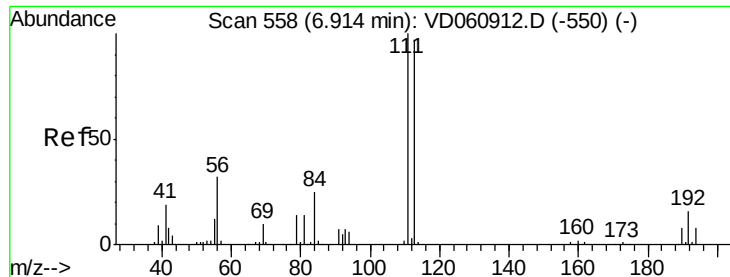
Tgt Ion: 65 Resp: 307274
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 114 Resp: 1231929
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.0
 88 16.6 0.0 32.8

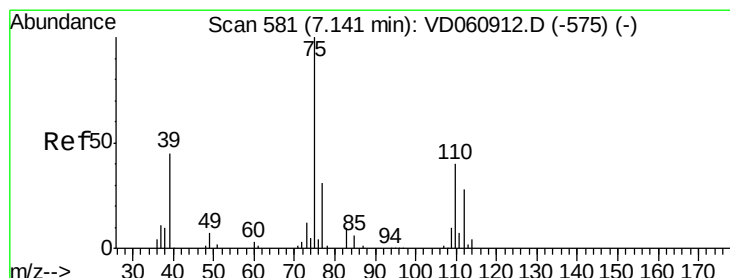
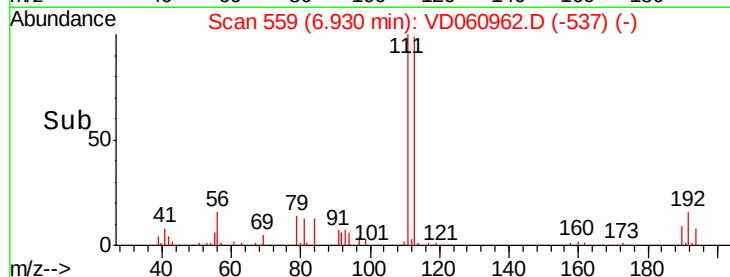
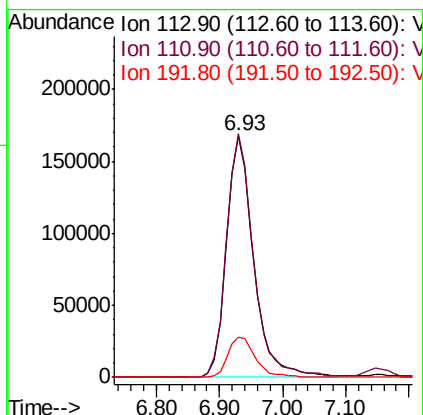
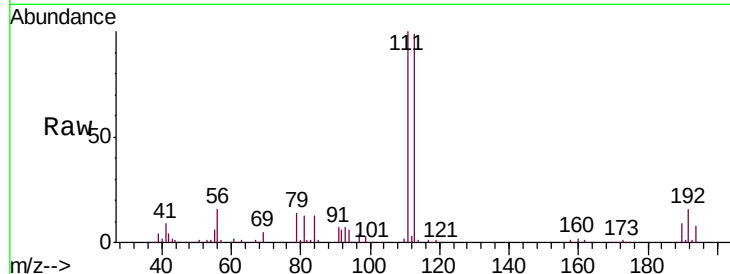




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

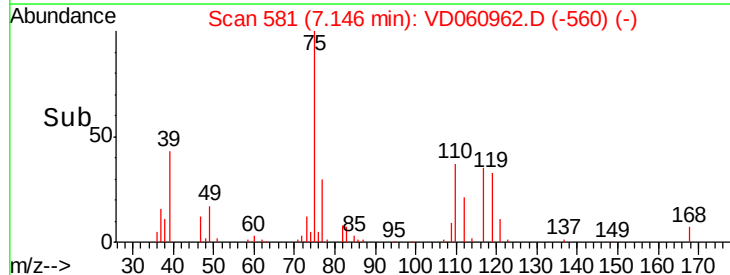
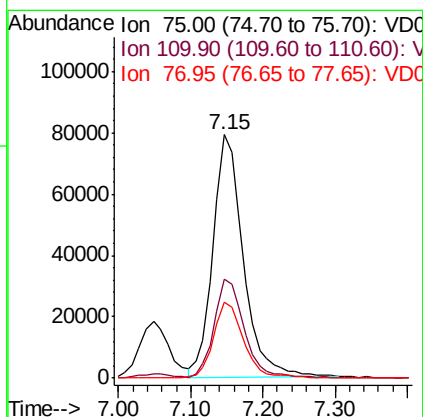
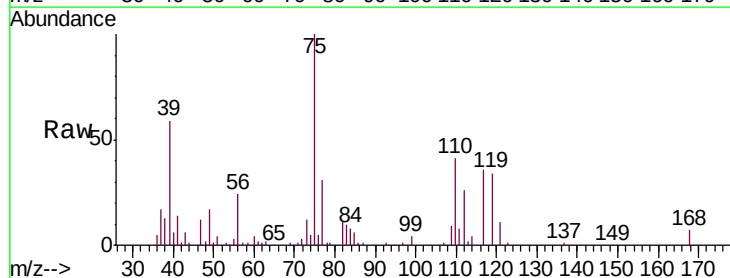
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

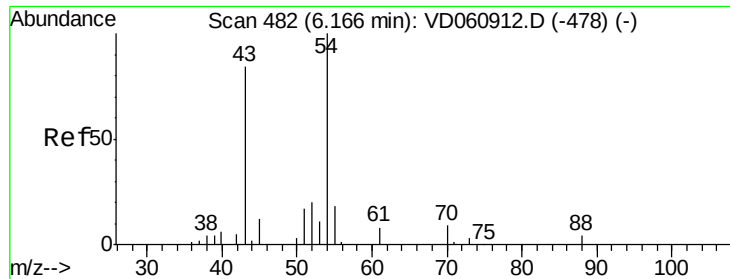
Tgt Ion:113 Resp: 499374
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.6 124.0
 192 16.4 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 20.270 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 75 Resp: 229590
 Ion Ratio Lower Upper
 75 100
 110 40.9 19.9 59.7
 77 31.1 25.0 37.6

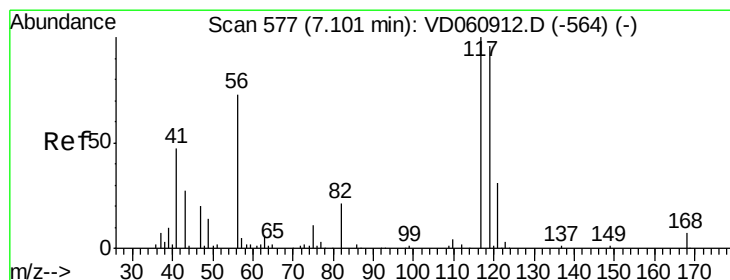
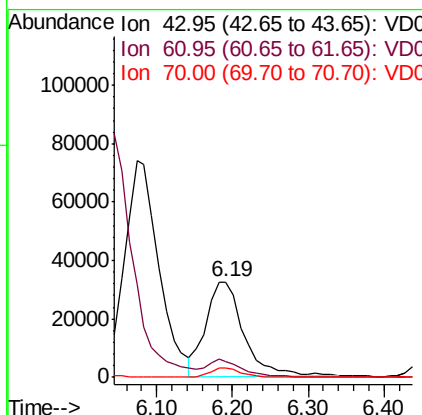
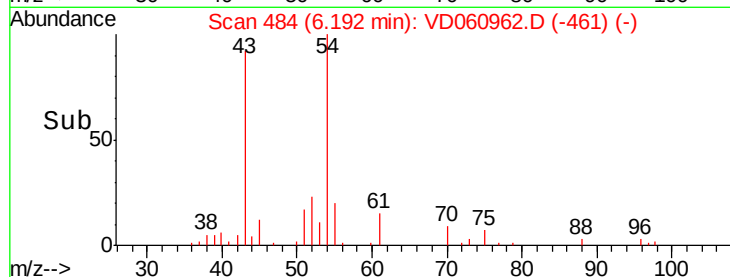
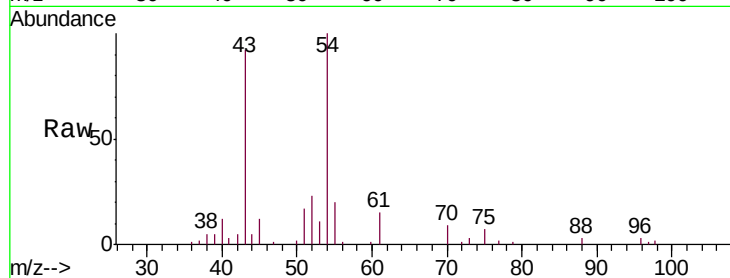




#37
Ethyl Acetate
Concen: 19.021 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

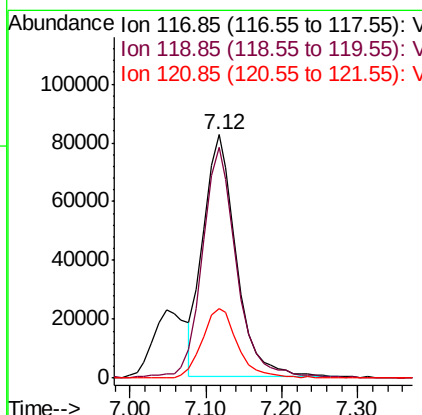
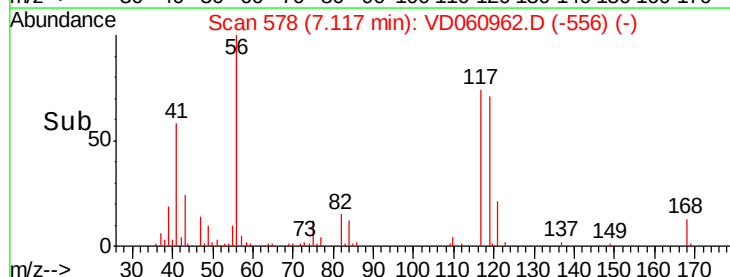
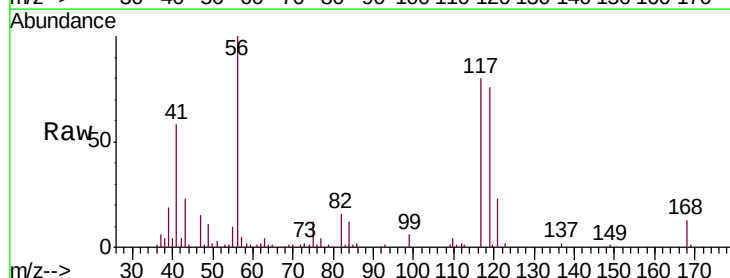
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

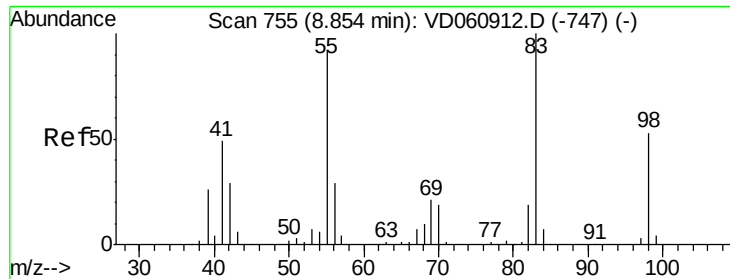
Tgt Ion: 43 Resp: 110752
Ion Ratio Lower Upper
43 100
61 16.2 12.1 18.1
70 9.8 7.3 10.9



#38
Carbon Tetrachloride
Concen: 20.506 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 117 Resp: 249539
Ion Ratio Lower Upper
117 100
119 94.6 76.9 115.3
121 28.8 24.5 36.7

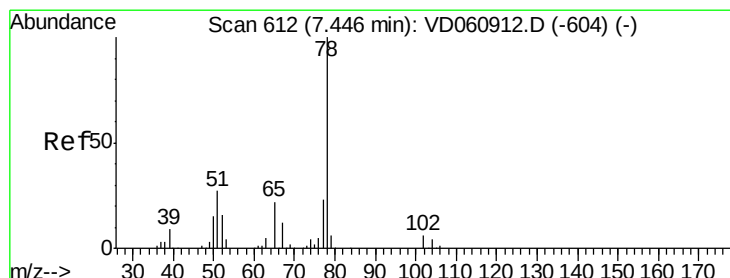
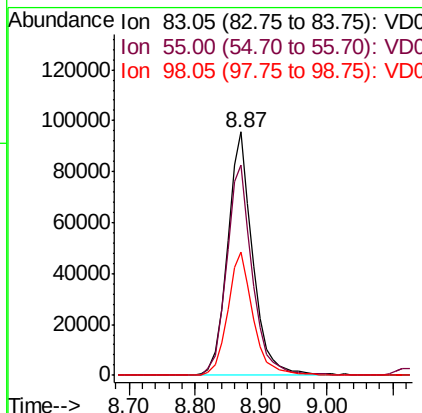
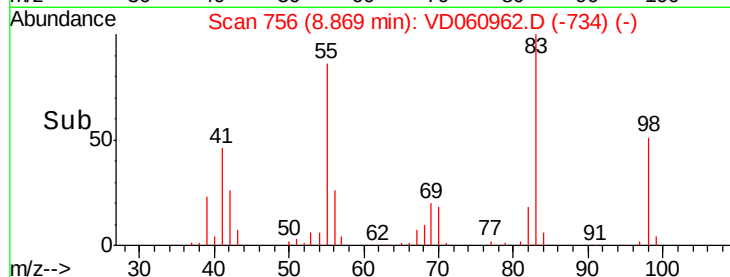
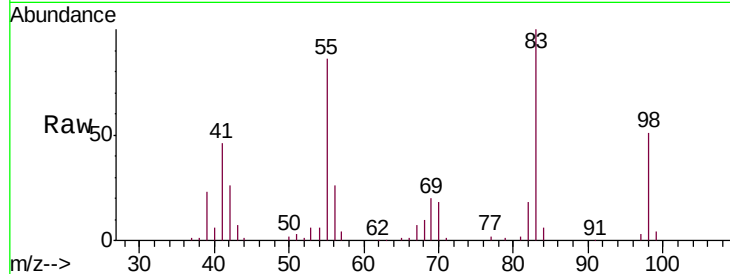




#39
Methylcyclohexane
Concen: 20.599 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

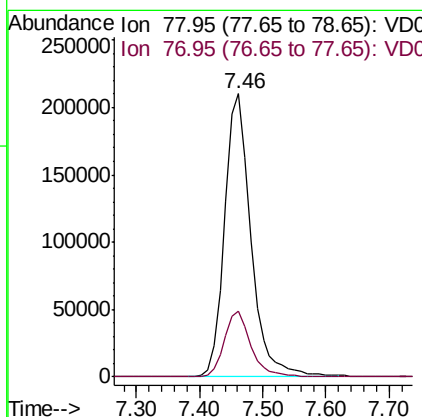
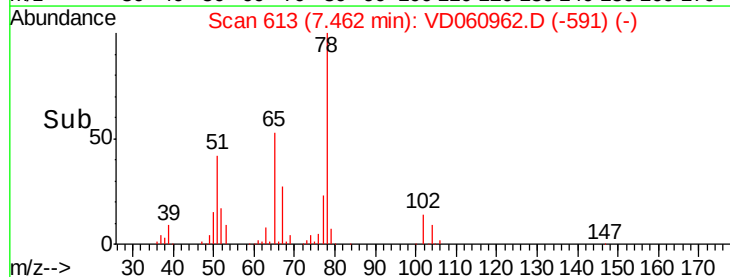
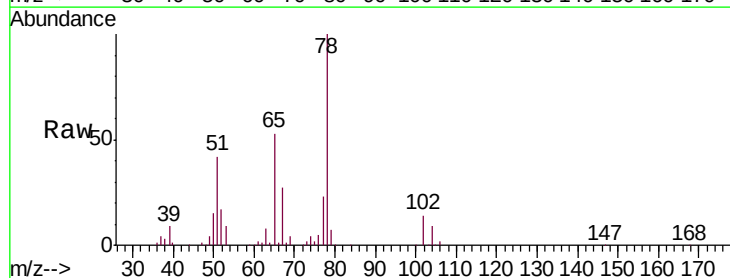
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

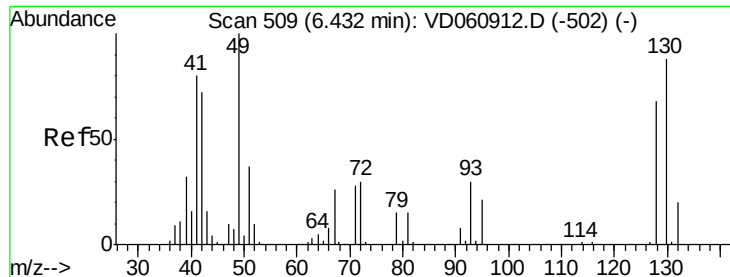
Tgt Ion: 83 Resp: 255045
Ion Ratio Lower Upper
83 100
55 86.4 73.8 110.8
98 50.5 42.4 63.6



#40
Benzene
Concen: 21.124 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 78 Resp: 609339
Ion Ratio Lower Upper
78 100
77 23.2 18.4 27.6

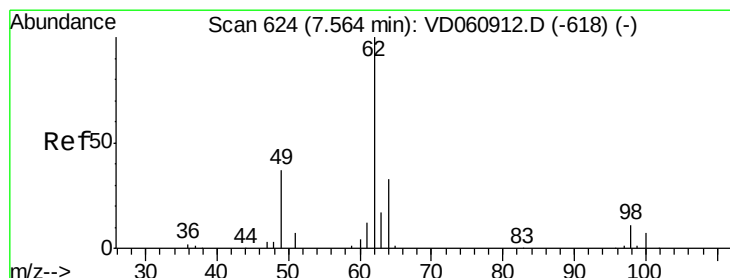
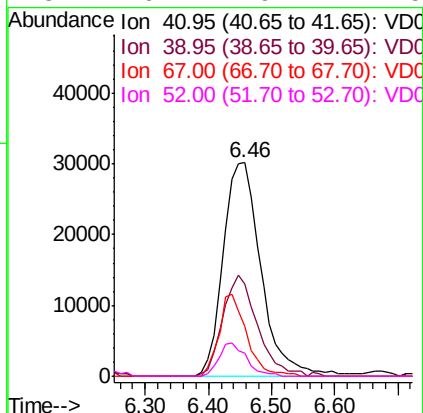
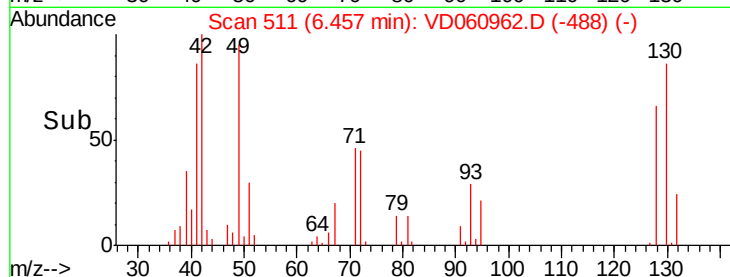
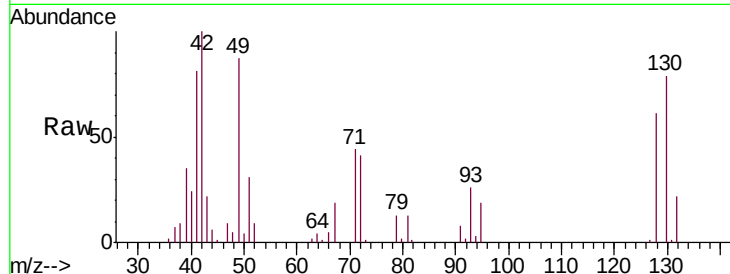




#41
Methacrylonitrile
Concen: 34.463 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

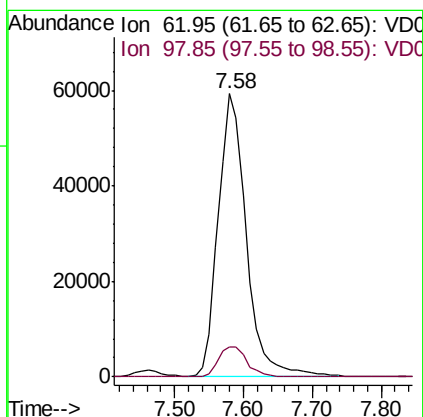
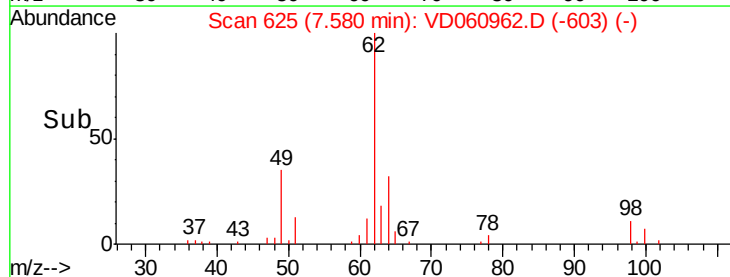
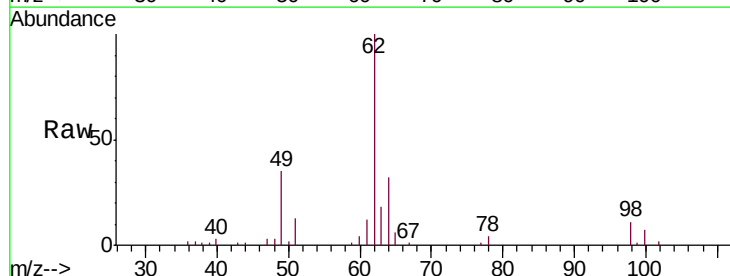
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

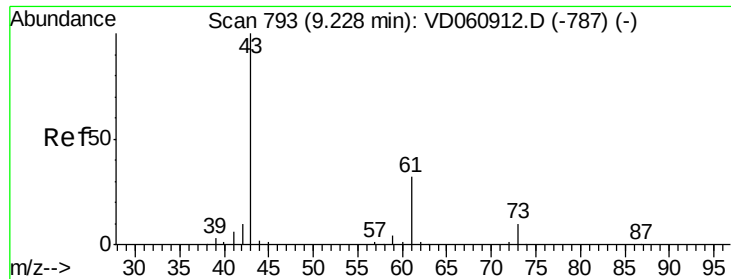
Tgt Ion: 41 Resp: 125363
Ion Ratio Lower Upper
41 100
39 42.9 32.1 48.1
67 23.4 25.6 38.4#
52 10.7 9.7 14.5



#42
1,2-Dichloroethane
Concen: 20.685 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 62 Resp: 167881
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.4





#43

Isopropyl Acetate

Concen: 20.229 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

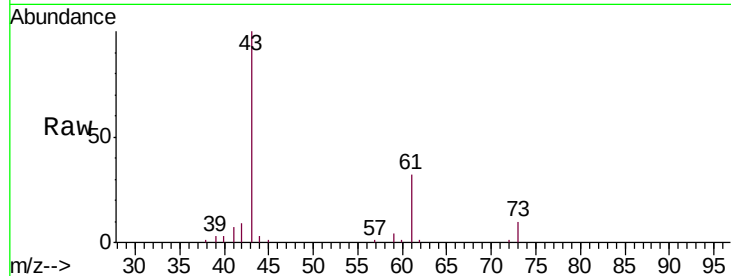
Tgt Ion: 43 Resp: 164228

Ion Ratio Lower Upper

43 100

61 32.3 25.6 38.4

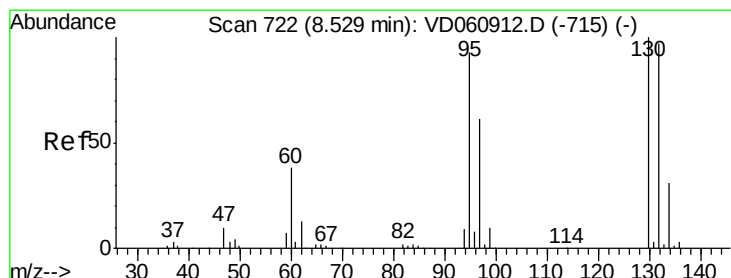
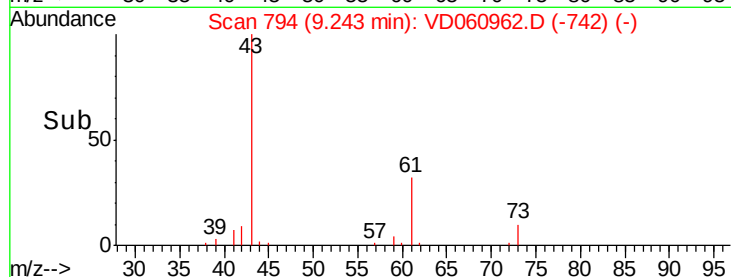
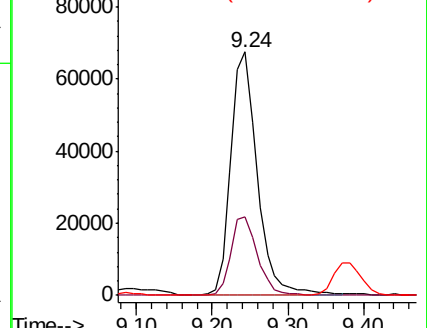
87 0.0 0.2 0.4#



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: 22.571 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD060962.D

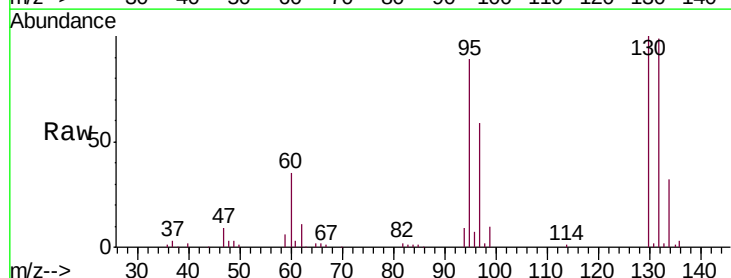
Acq: 6 Mar 2019 13:46

Tgt Ion: 130 Resp: 222970

Ion Ratio Lower Upper

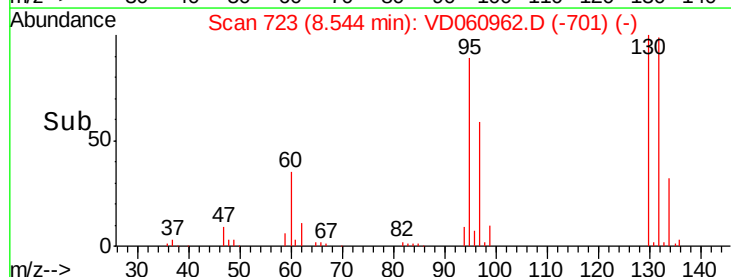
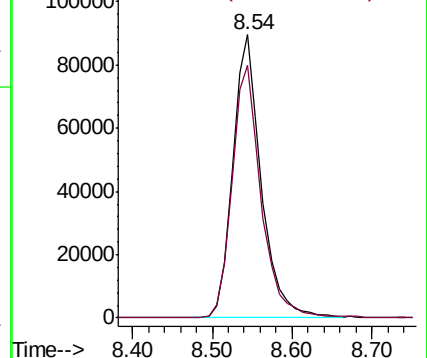
130 100

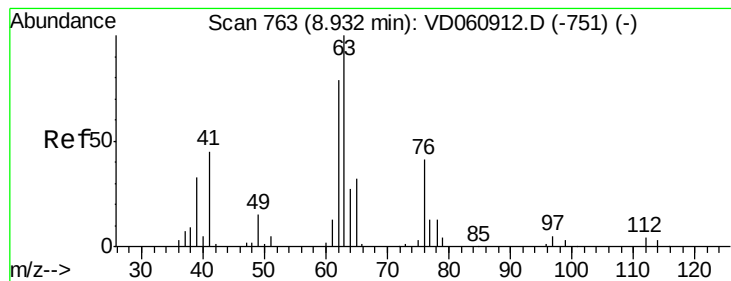
95 89.4 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.918 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

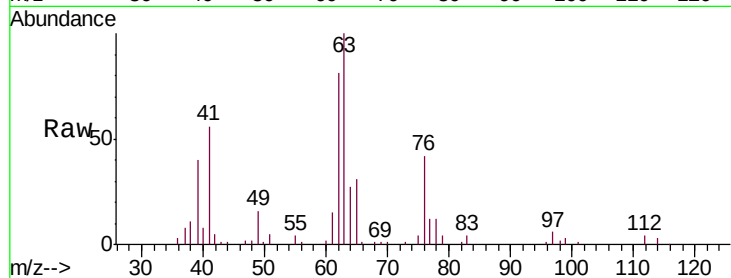
VD0306SBSD01

Tgt Ion: 63 Resp: 159744

Ion Ratio Lower Upper

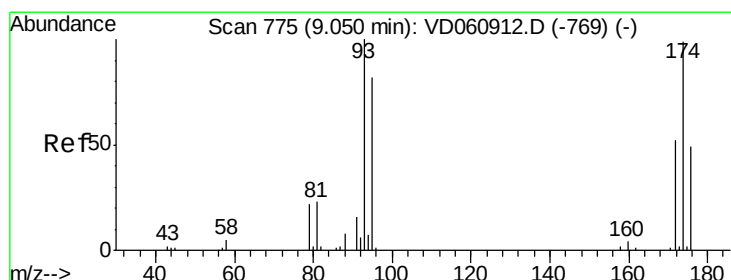
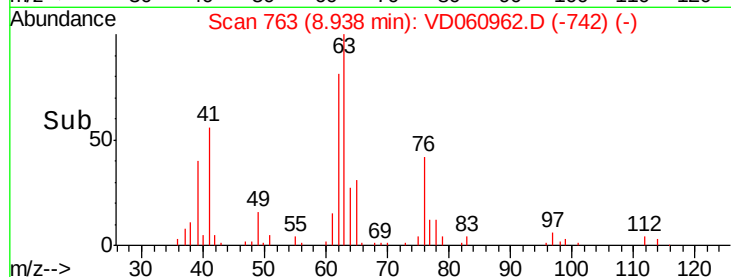
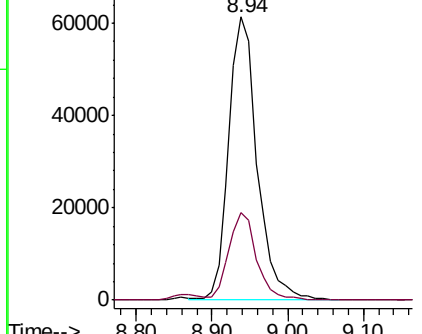
63 100

65 31.1 25.8 38.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.863 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

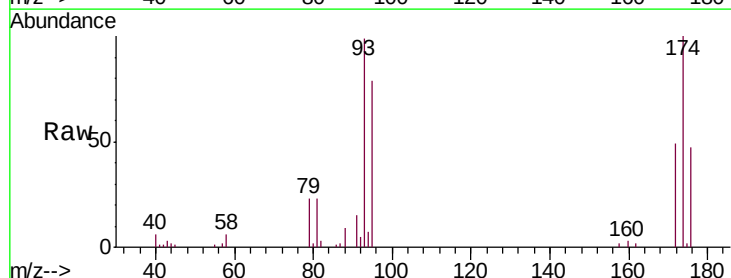
Tgt Ion: 93 Resp: 97844

Ion Ratio Lower Upper

93 100

95 80.2 65.8 98.6

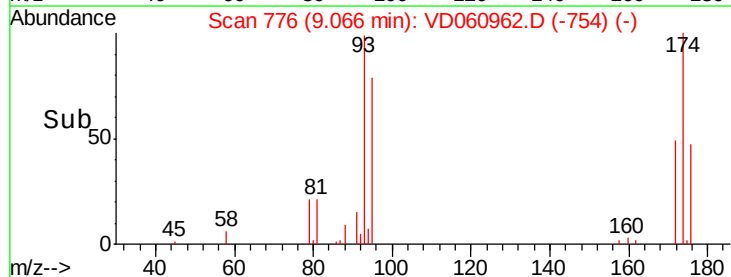
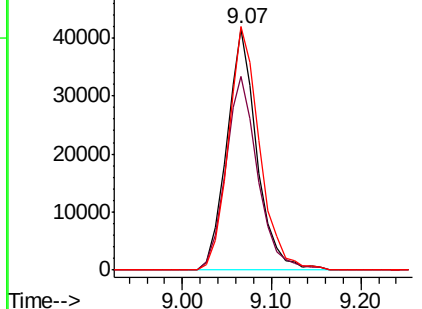
174 100.9 79.5 119.3

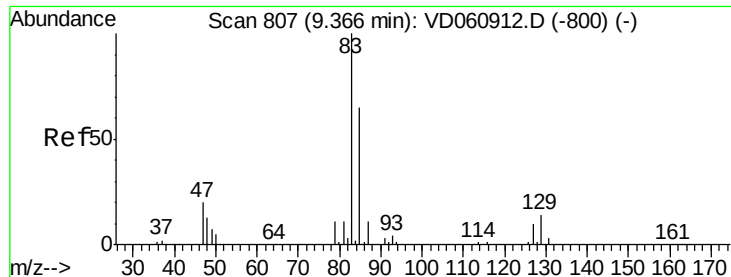


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.767 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

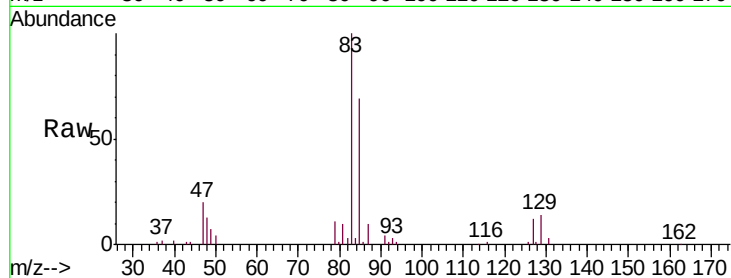
Tgt Ion: 83 Resp: 223140

Ion Ratio Lower Upper

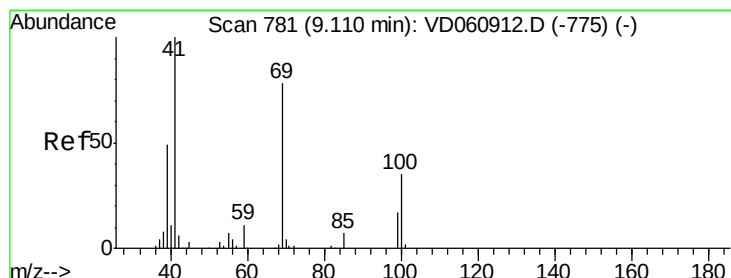
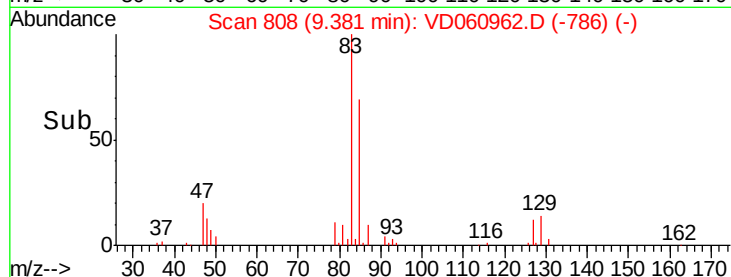
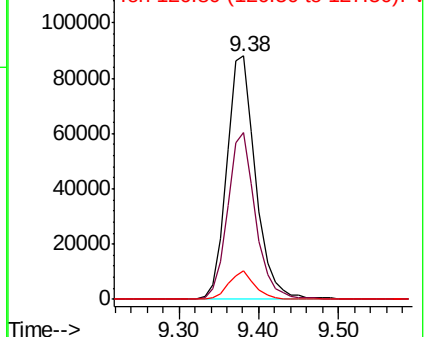
83 100

85 68.6 52.2 78.4

127 11.6 8.2 12.4



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



#48

Methyl methacrylate

Concen: 20.530 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

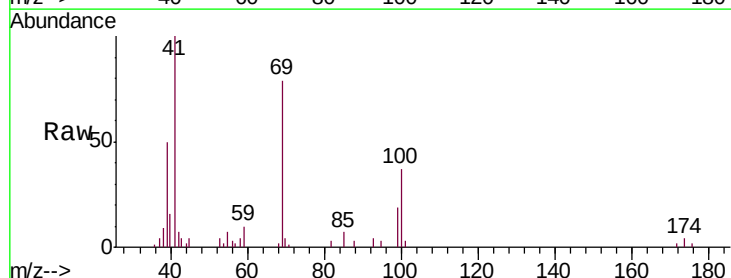
Tgt Ion: 41 Resp: 93640

Ion Ratio Lower Upper

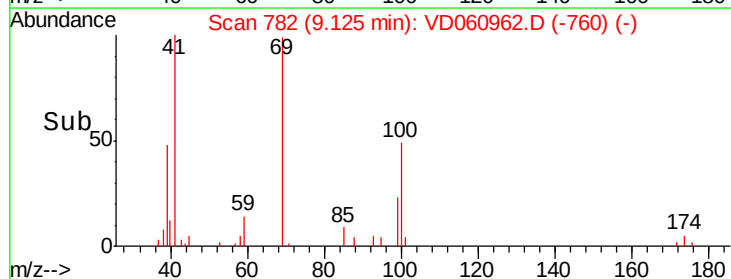
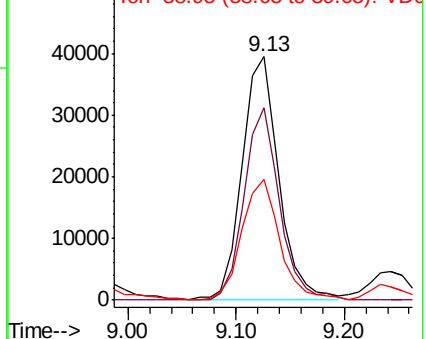
41 100

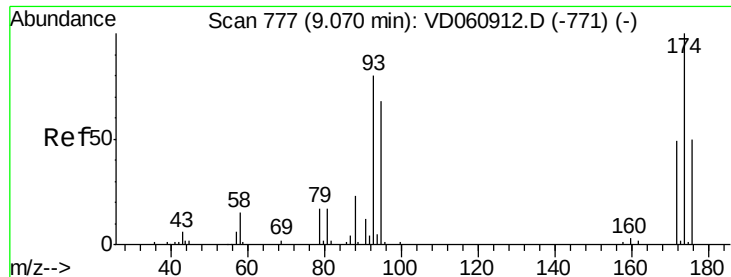
69 78.8 62.1 93.1

39 49.6 39.5 59.3



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

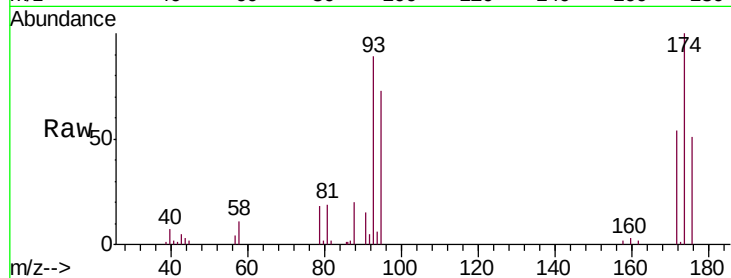




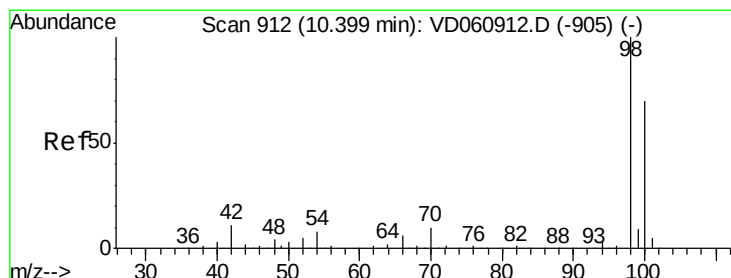
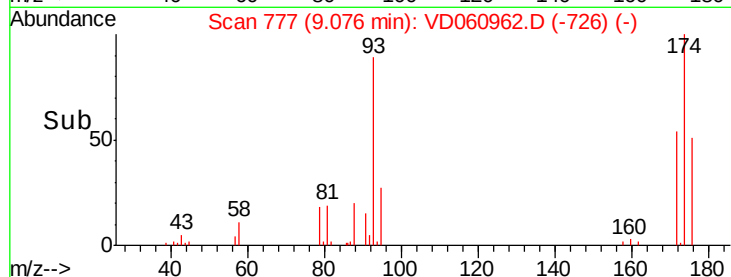
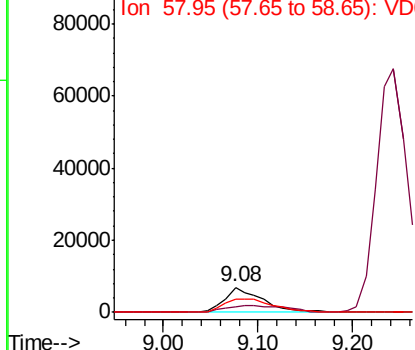
#49
1,4-Dioxane
Concen: 405.413 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

Tgt Ion: 88 Resp: 19358
Ion Ratio Lower Upper
88 100
43 23.7 24.2 36.4#
58 54.4 51.1 76.7

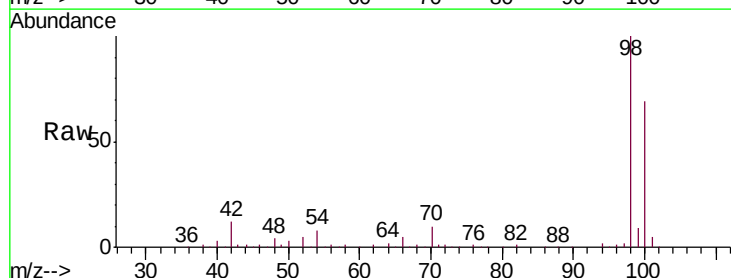


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

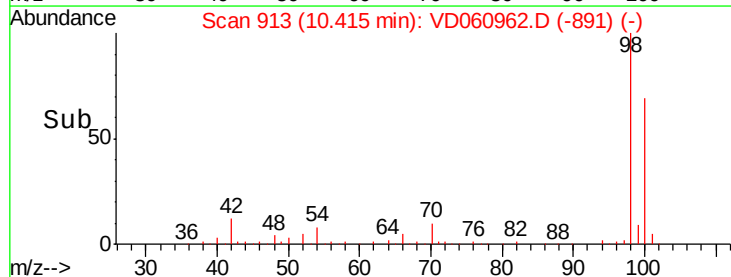
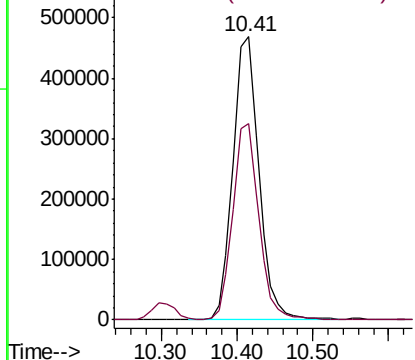


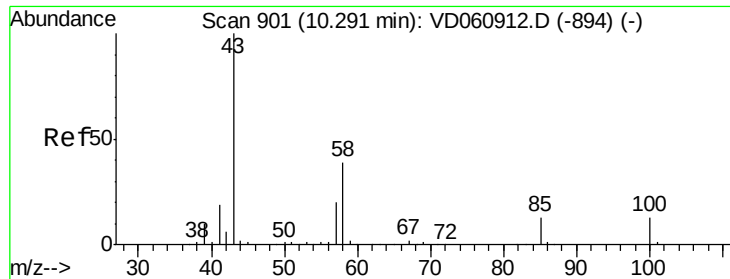
#50
Toluene-d8
Concen: 405.413 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 98 Resp: 1112582
Ion Ratio Lower Upper
98 100
100 69.3 57.0 85.4



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

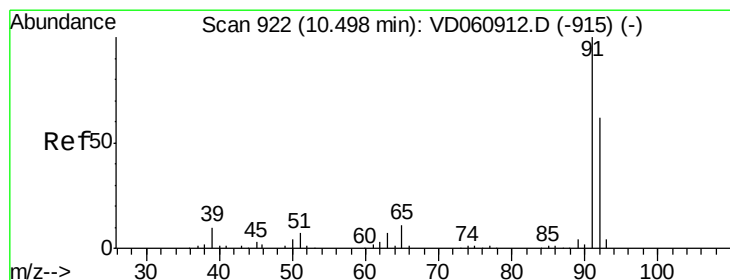
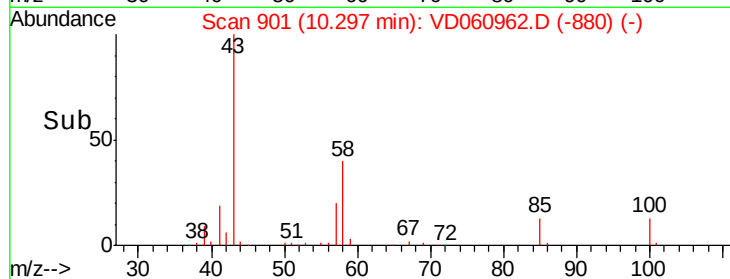
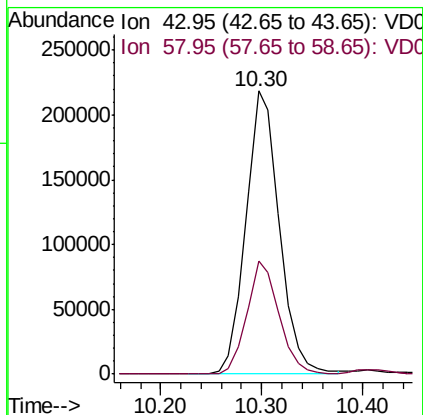
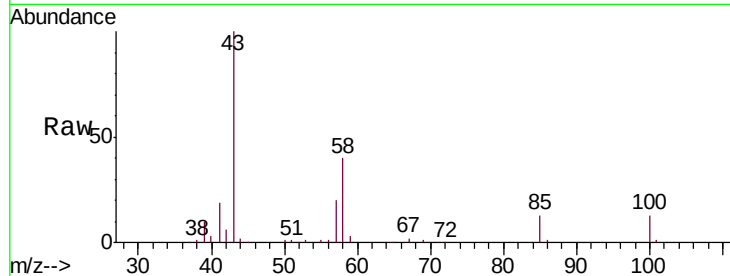




#51
4-Methyl-2-Pentanone
Concen: 101.854 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

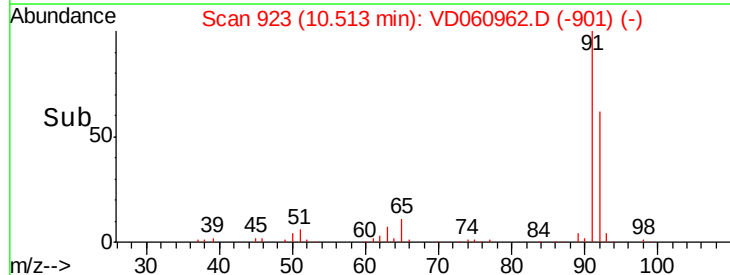
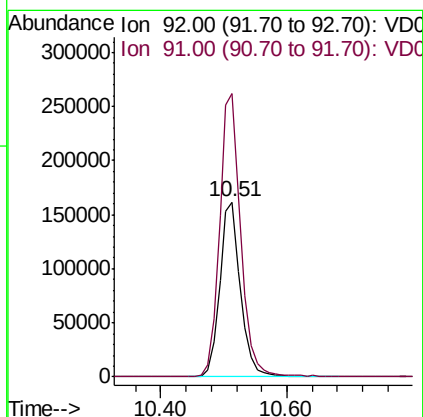
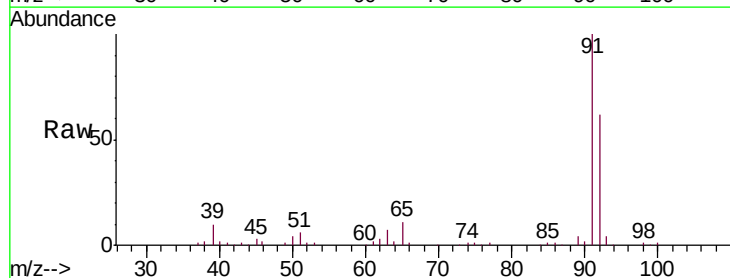
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

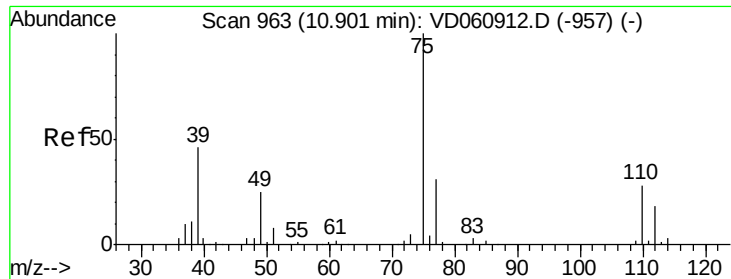
Tgt Ion: 43 Resp: 503436
Ion Ratio Lower Upper
43 100
58 39.8 31.0 46.6



#52
Toluene
Concen: 19.984 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 92 Resp: 370351
Ion Ratio Lower Upper
92 100
91 161.9 129.9 194.9





#53

t-1,3-Dichloropropene

Concen: 20.310 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

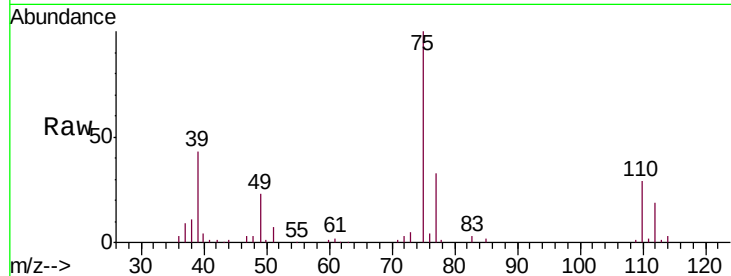
VD0306SBSD01

Tgt Ion: 75 Resp: 200822

Ion Ratio Lower Upper

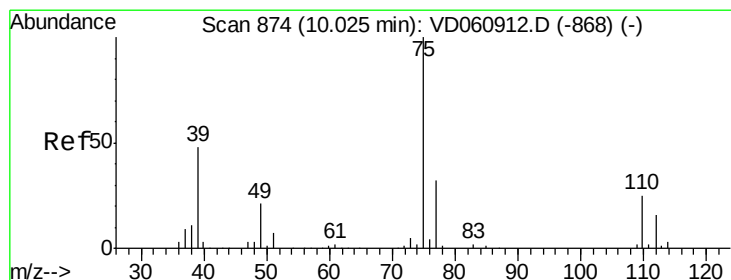
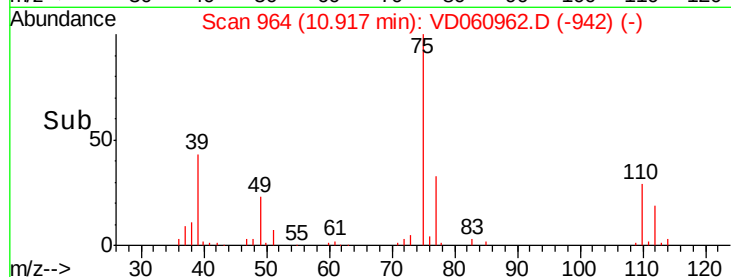
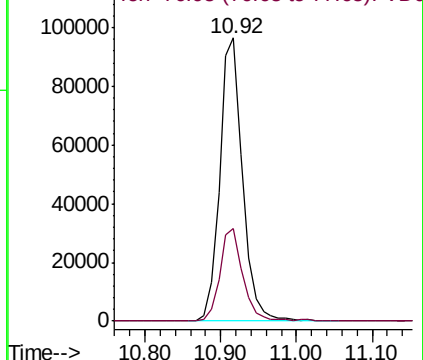
75 100

77 32.7 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.162 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.02 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

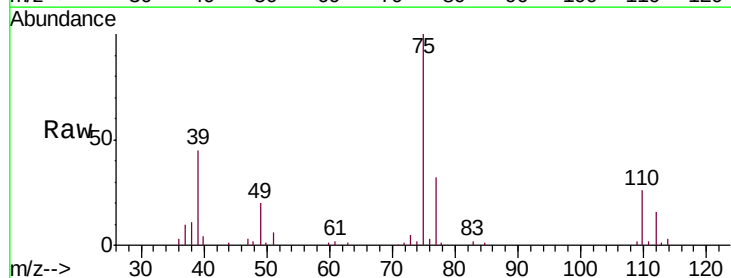
Tgt Ion: 75 Resp: 247196

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

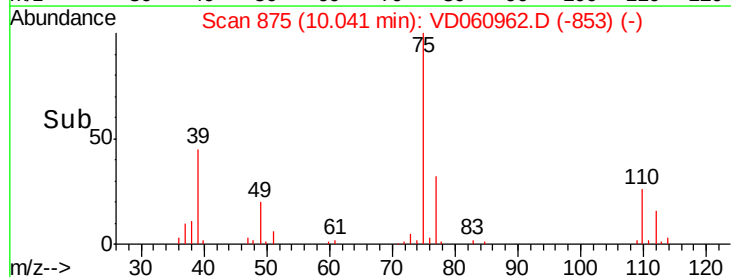
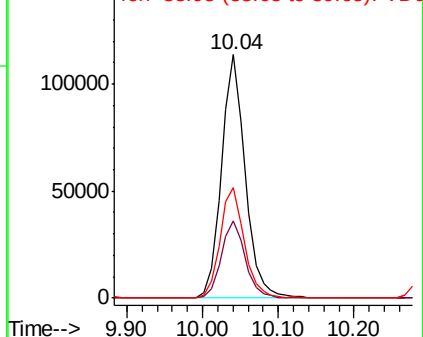
39 45.3 38.2 57.4

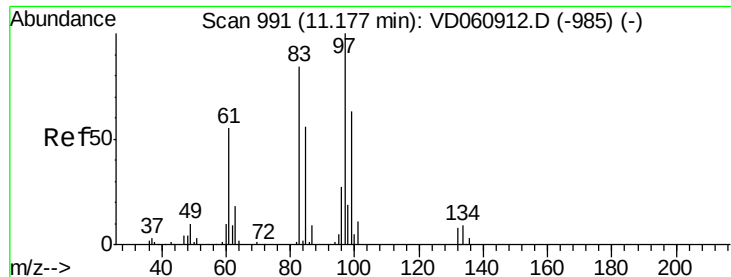


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

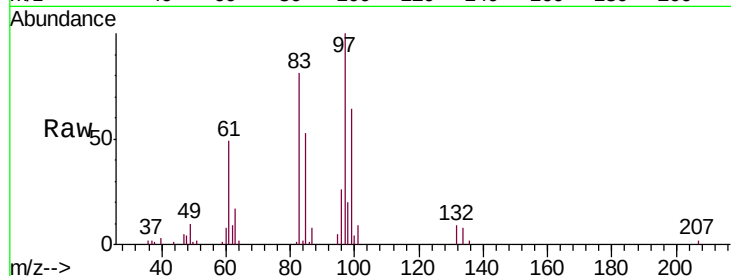




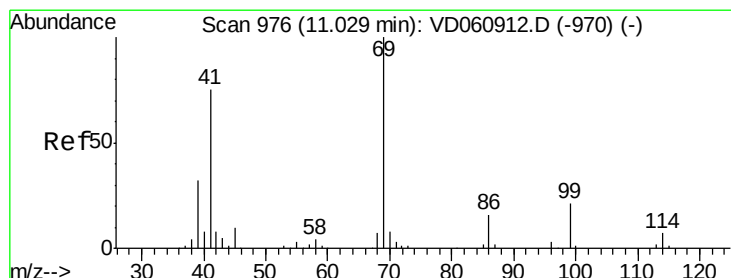
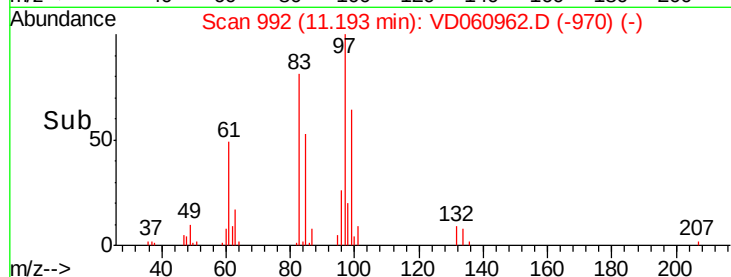
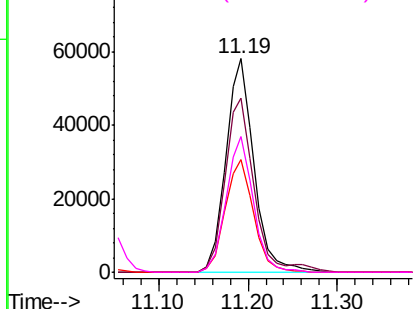
#55
 1,1,2-Trichloroethane
 Concen: 20.963 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

Tgt Ion: 97 Resp: 128473
 Ion Ratio Lower Upper
 97 100
 83 81.5 67.5 101.3
 85 52.9 44.9 67.3
 99 63.5 50.6 76.0

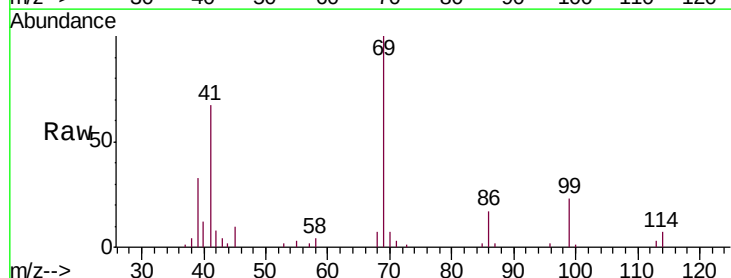


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

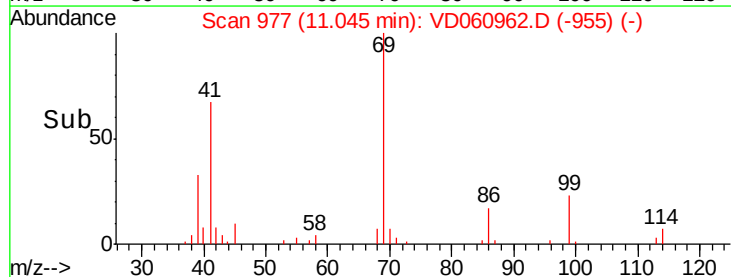
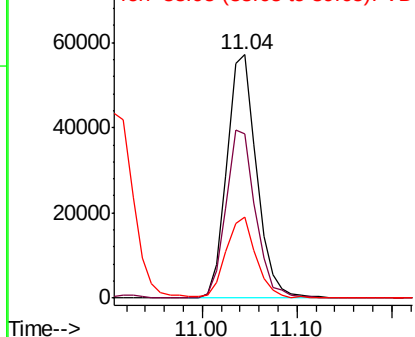


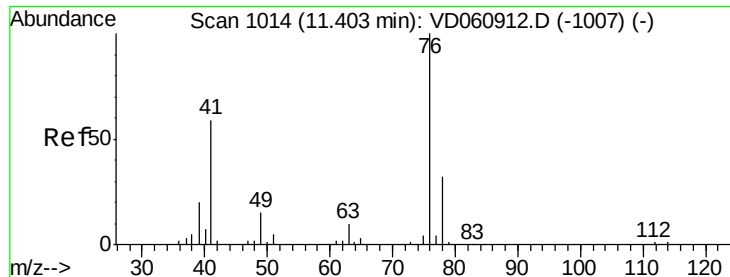
#56
 Ethyl methacrylate
 Concen: 19.189 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 69 Resp: 124670
 Ion Ratio Lower Upper
 69 100
 41 67.4 59.9 89.9
 39 33.0 25.7 38.5



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

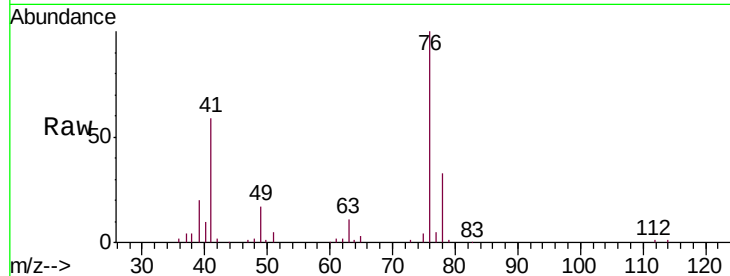




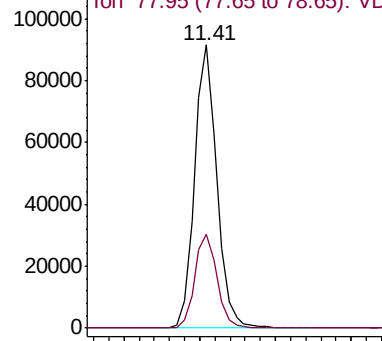
#57
 1,3-Dichloropropane
 Concen: 20.894 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

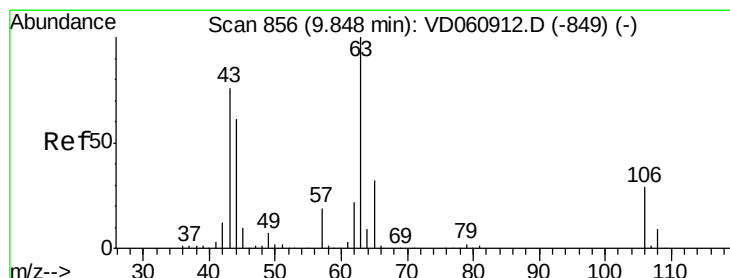
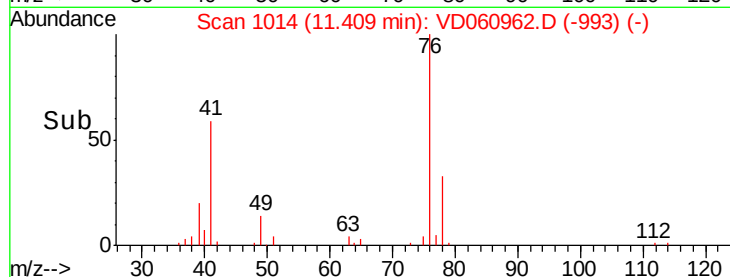
Tgt Ion: 76 Resp: 186175
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.6 38.4



Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

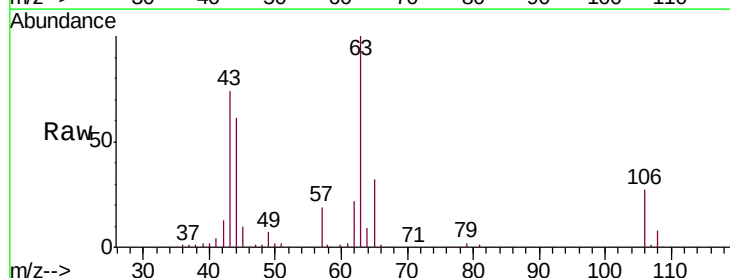


Time-->

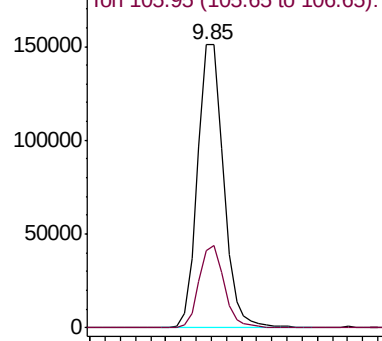


#58
 2-Chloroethyl Vinyl ether
 Concen: 103.952 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

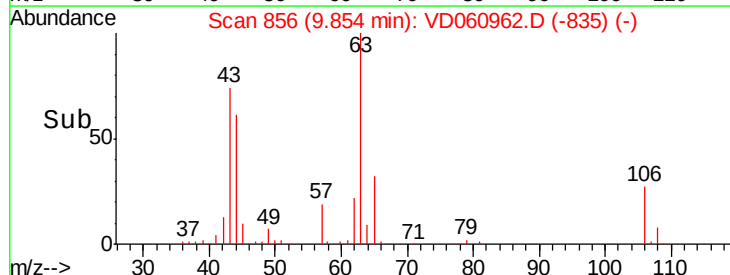
Tgt Ion: 63 Resp: 360705
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.0 34.6

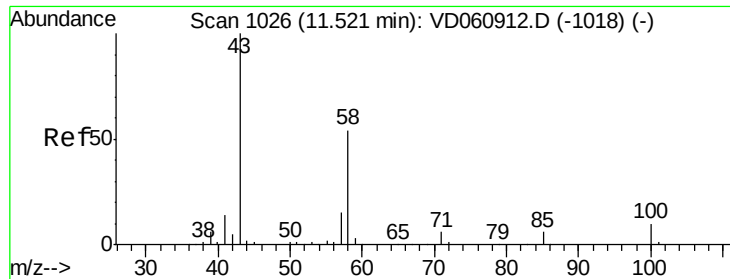


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V



Time-->

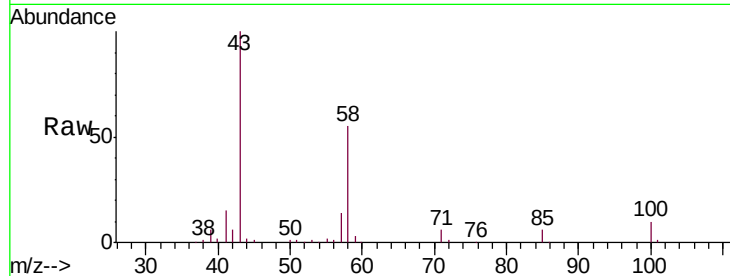




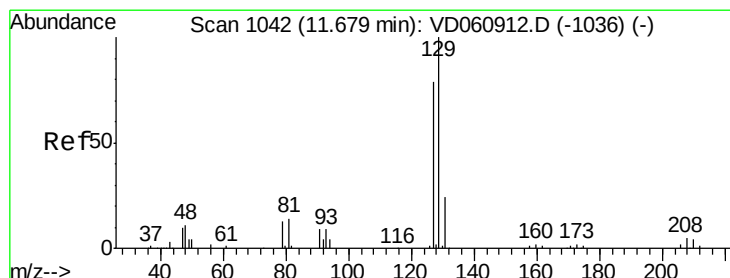
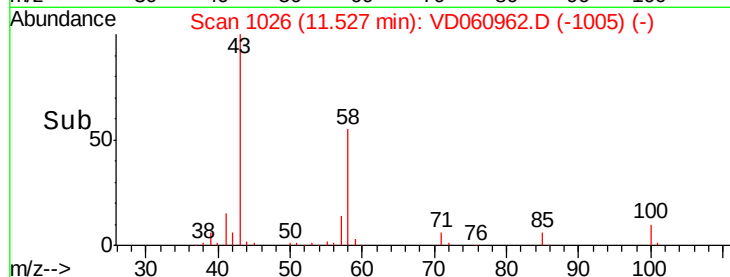
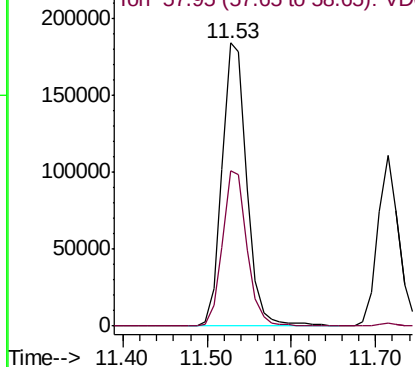
#59
2-Hexanone
Concen: 108.243 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

Tgt Ion: 43 Resp: 375044
Ion Ratio Lower Upper
43 100
58 55.0 27.2 81.5

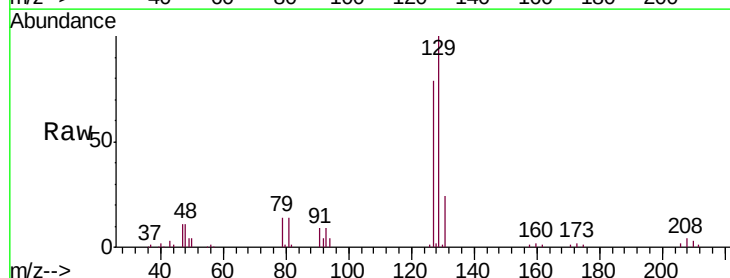


Abundance Ion 42.95 (42.65 to 43.65): VD060912.D (-1018) (-)
Ion 57.95 (57.65 to 58.65): VD060912.D (-1018) (-)

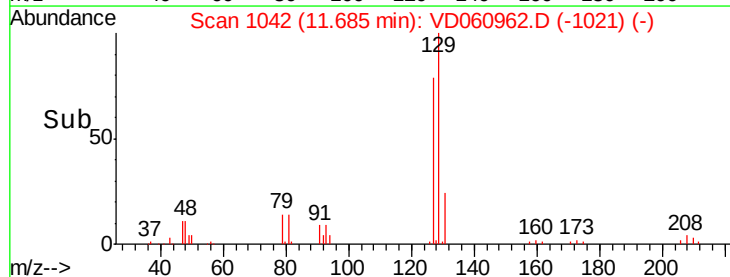
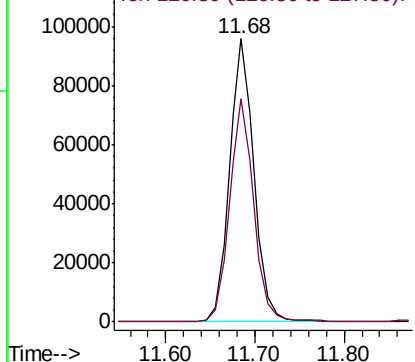


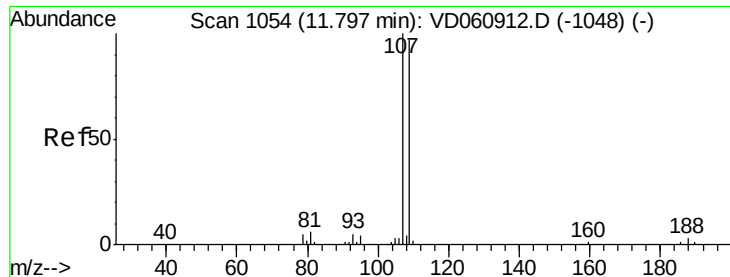
#60
Dibromochloromethane
Concen: 20.817 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 129 Resp: 184001
Ion Ratio Lower Upper
129 100
127 79.0 39.4 118.1



Abundance Ion 128.80 (128.50 to 129.50): VD060912.D (-1036) (-)
Ion 126.80 (126.50 to 127.50): VD060912.D (-1036) (-)

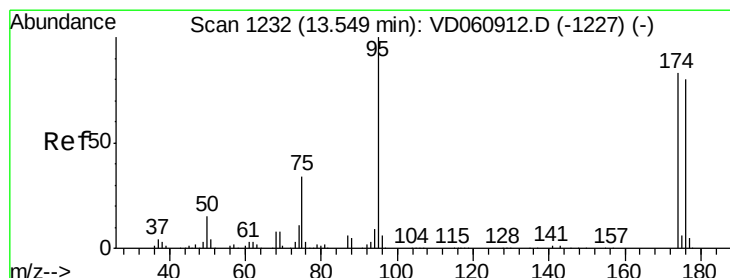
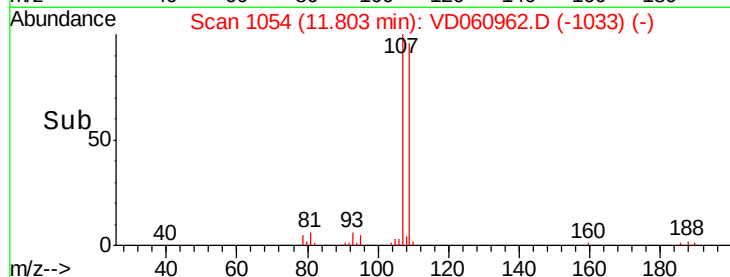
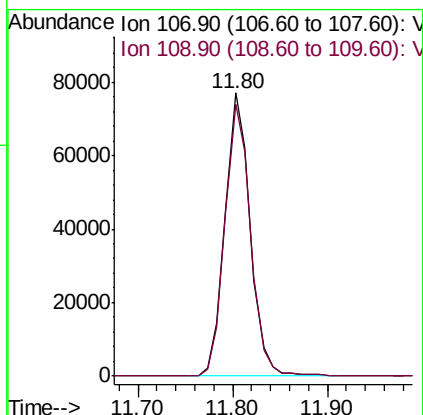
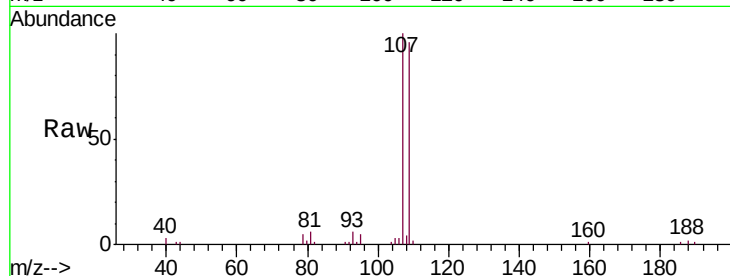




#61
 1,2-Dibromoethane
 Concen: 19.712 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

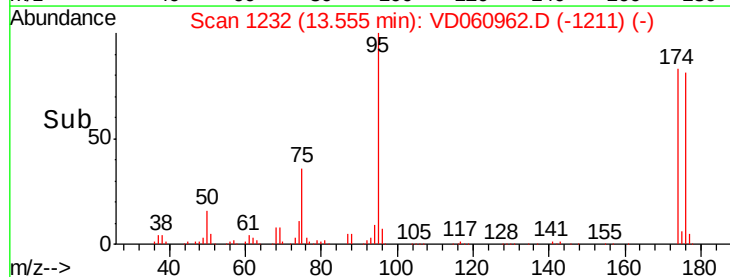
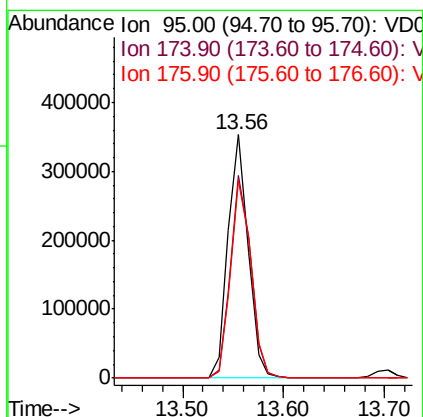
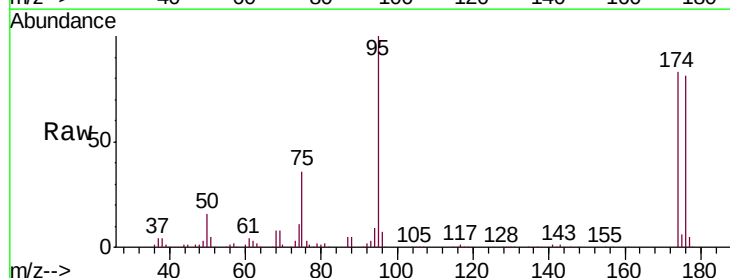
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

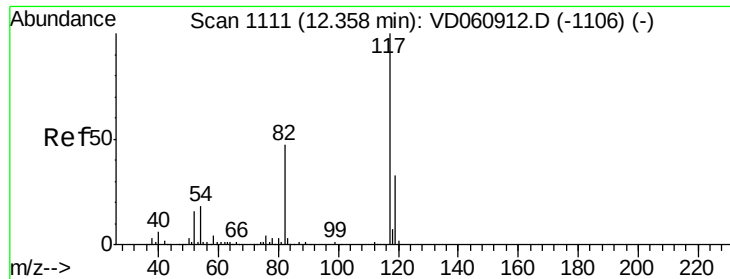
Tgt Ion: 107 Resp: 141926
 Ion Ratio Lower Upper
 107 100
 109 96.1 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 19.712 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 95 Resp: 487393
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 165.6
 176 81.4 0.0 160.6

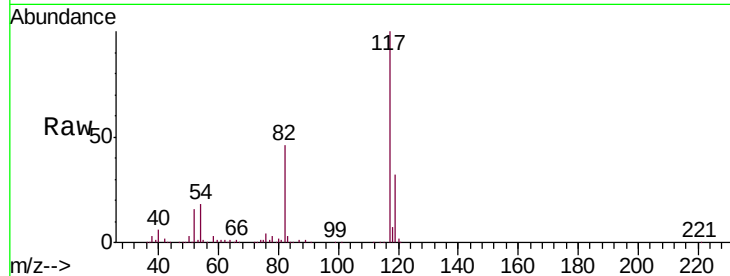




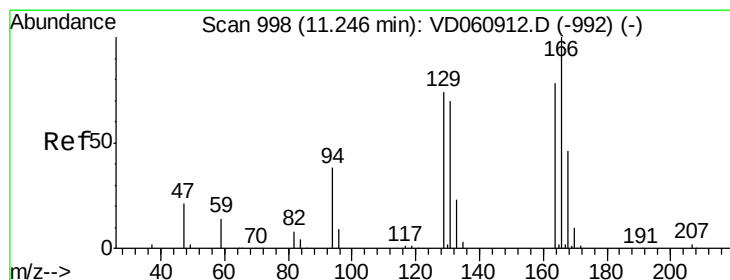
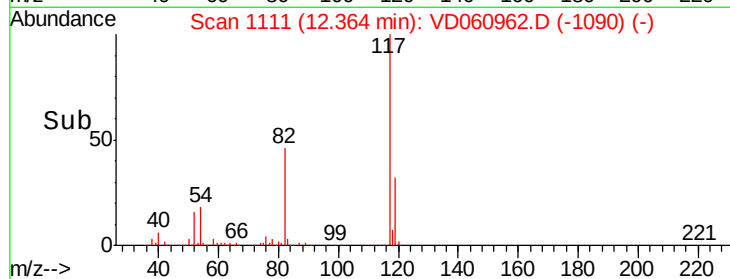
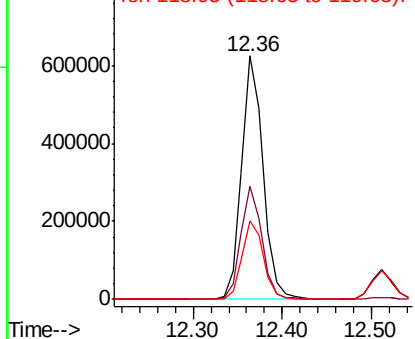
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

Tgt Ion:117 Resp: 1044454
Ion Ratio Lower Upper
117 100
82 46.3 37.5 56.3
119 32.5 26.2 39.2

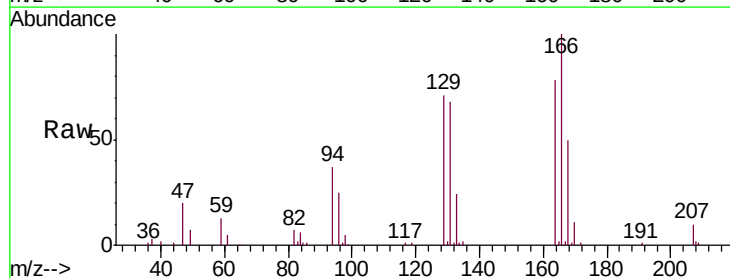


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

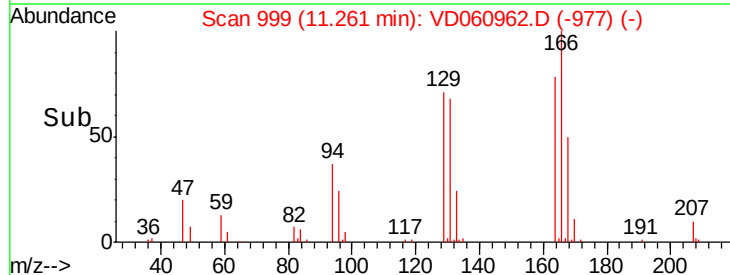
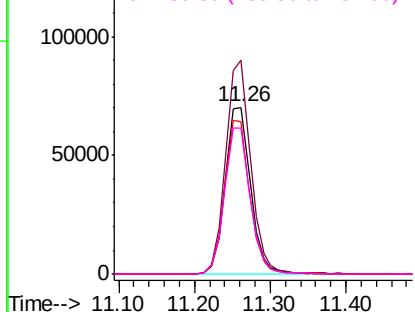


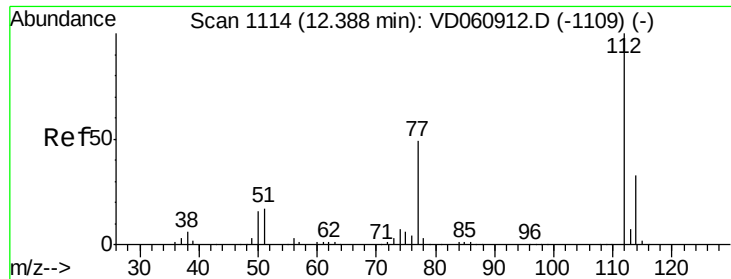
#64
Tetrachloroethene
Concen: 20.380 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion:164 Resp: 162945
Ion Ratio Lower Upper
164 100
166 128.2 102.3 153.5
129 91.1 75.6 113.4
131 87.3 72.0 108.0



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: 19.926 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

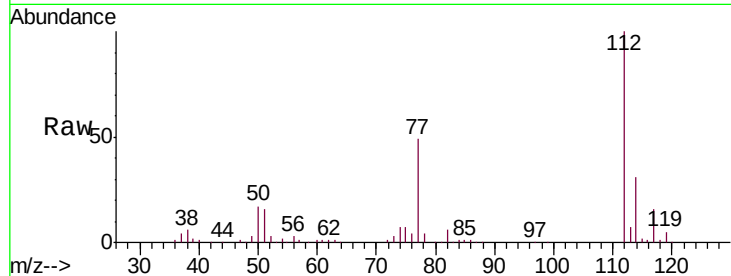
VD0306SBSD01

Tgt Ion:112 Resp: 463351

Ion Ratio Lower Upper

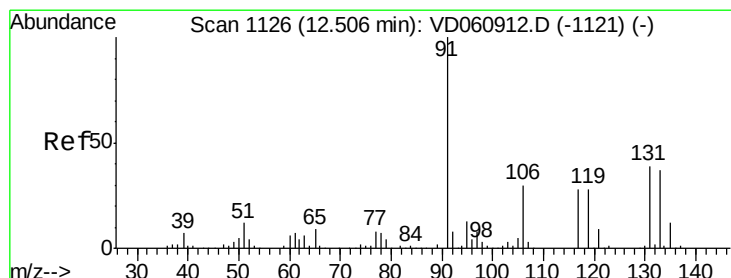
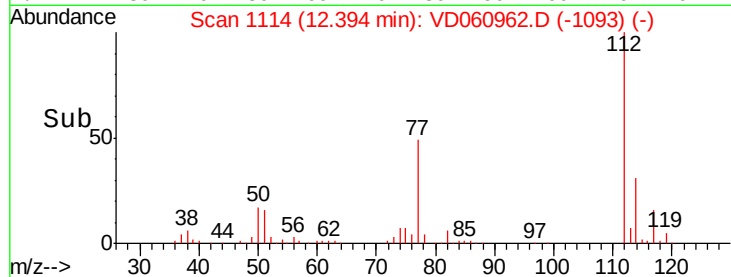
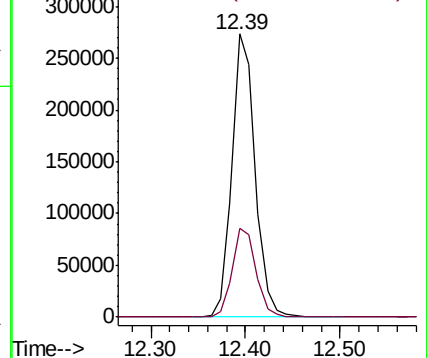
112 100

114 31.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.126 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

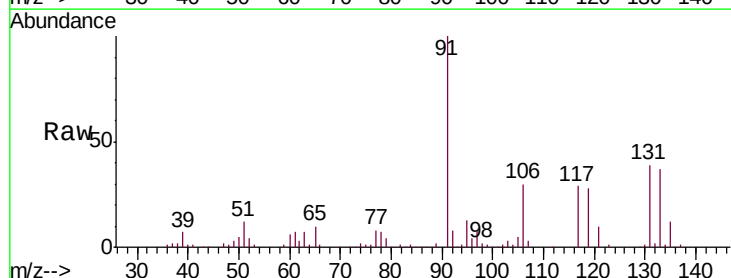
Tgt Ion:131 Resp: 167946

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.3

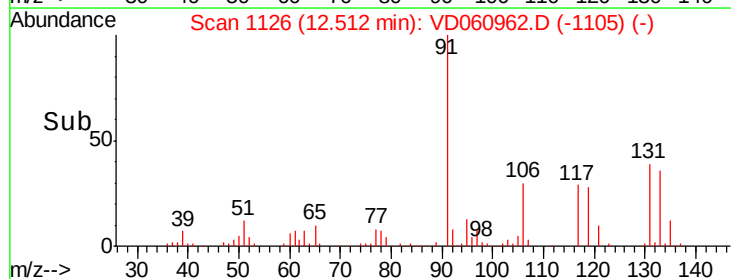
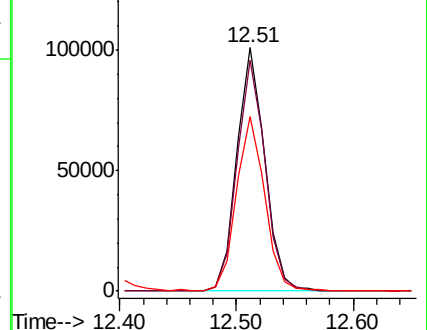
119 71.9 36.0 108.1

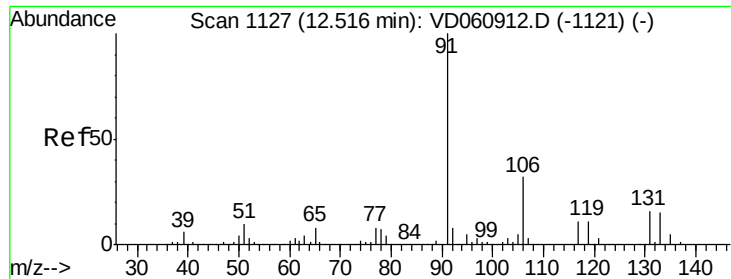


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

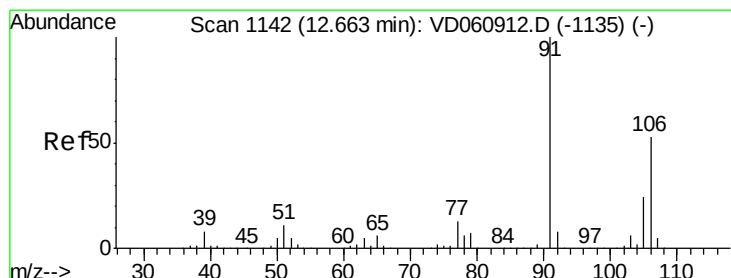
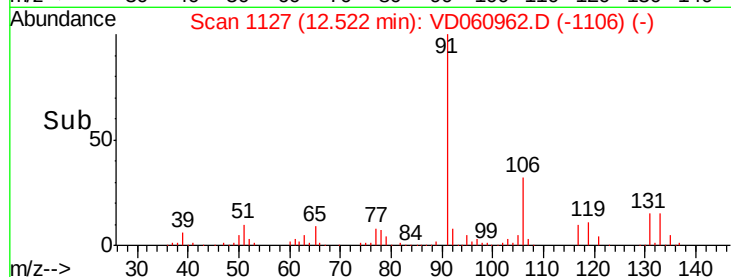
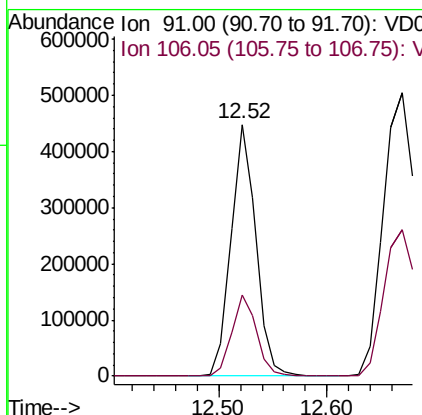
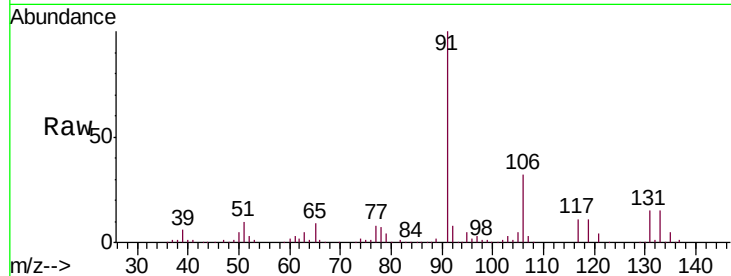




#67
Ethyl Benzene
Concen: 21.101 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

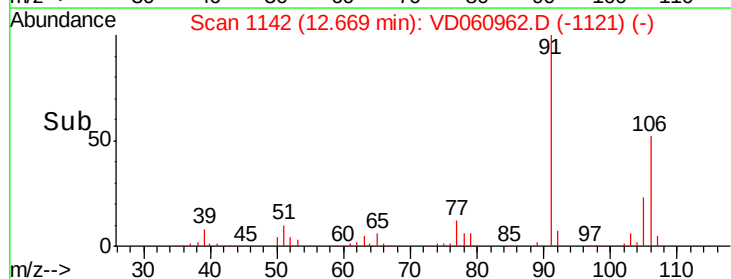
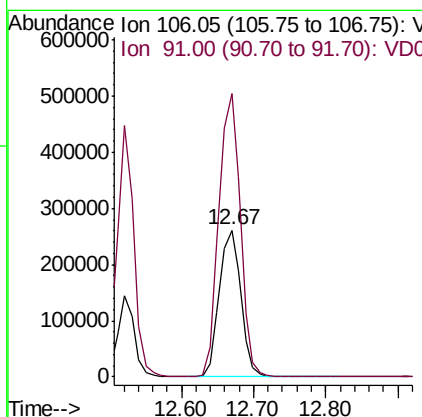
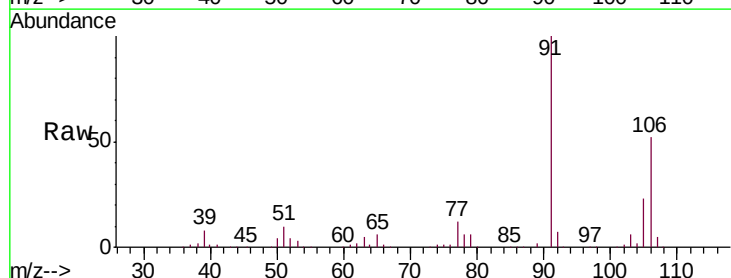
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBS01

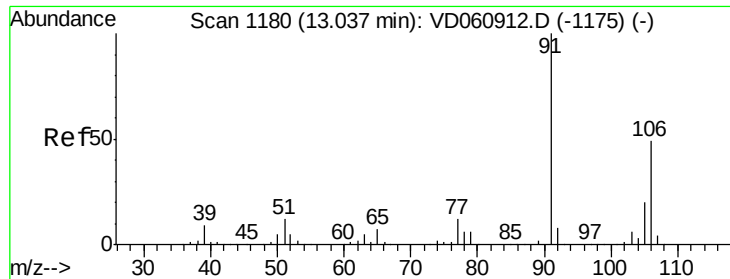
Tgt Ion: 91 Resp: 714437
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.6



#68
m/p-Xylenes
Concen: 39.941 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion: 106 Resp: 540305
Ion Ratio Lower Upper
106 100
91 192.8 150.2 225.4

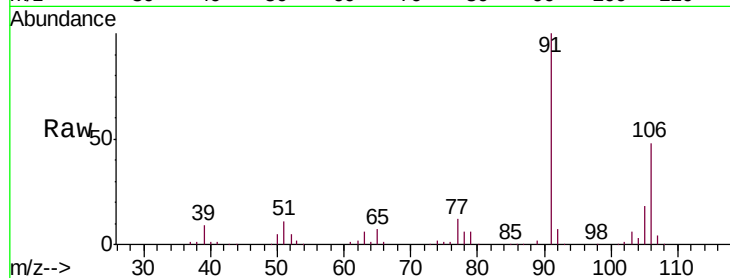




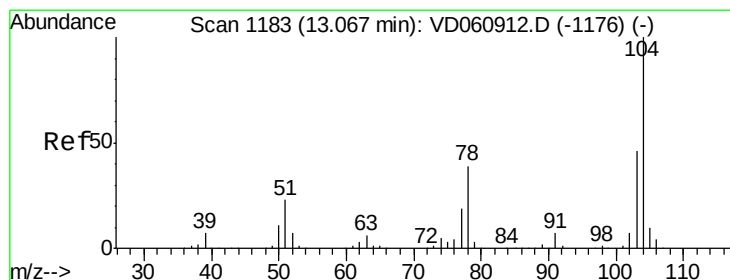
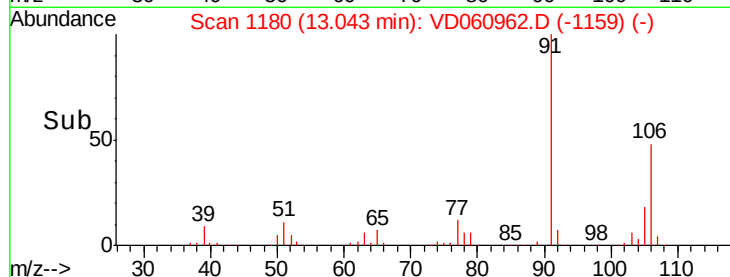
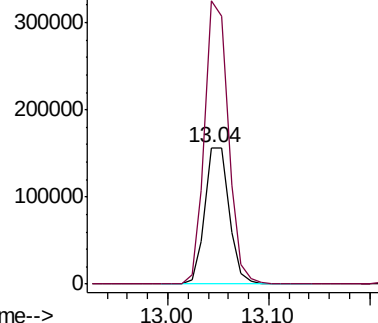
#69
o-Xylene
Concen: 20.604 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

Tgt Ion:106 Resp: 261813
Ion Ratio Lower Upper
106 100
91 207.5 102.9 308.7

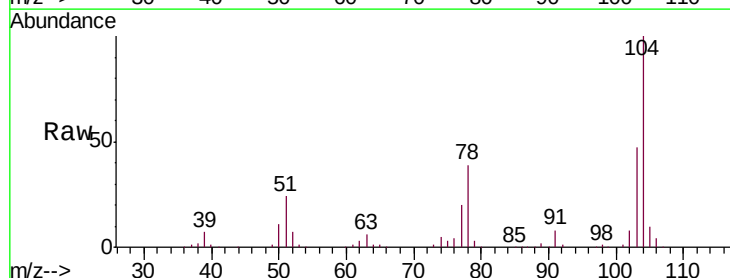


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

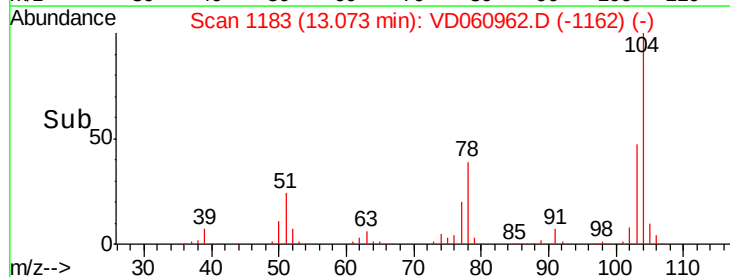
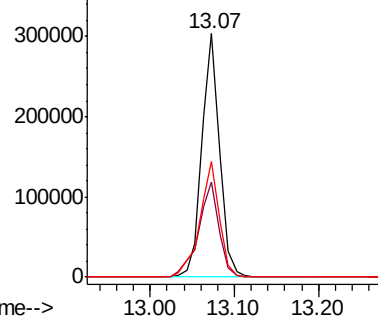


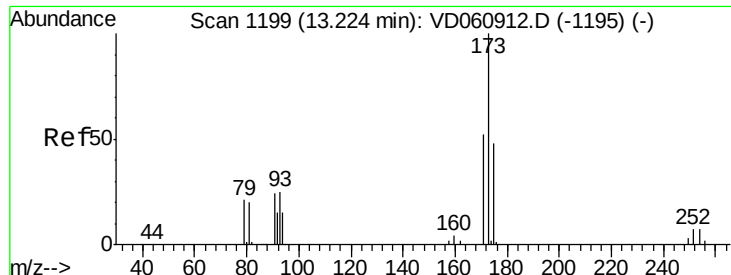
#70
Styrene
Concen: 20.889 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion:104 Resp: 442859
Ion Ratio Lower Upper
104 100
78 38.9 31.0 46.4
103 47.2 36.5 54.7



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

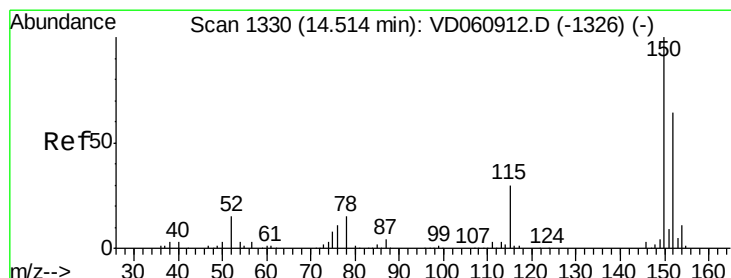
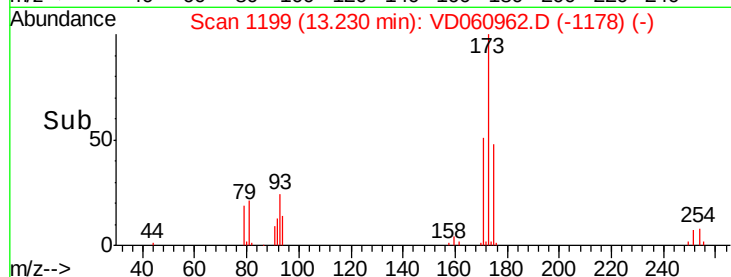
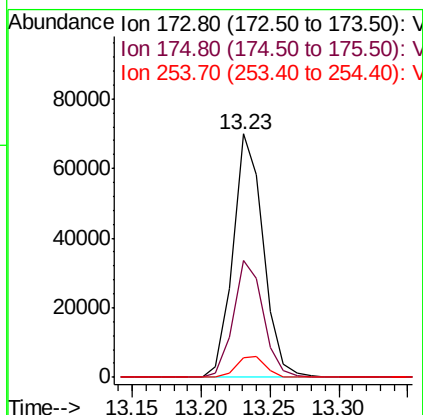
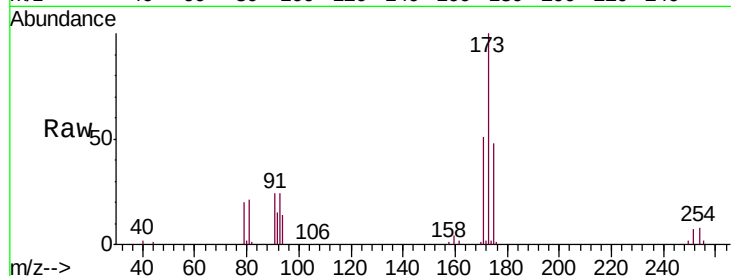




#71
Bromoform
Concen: 20.274 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

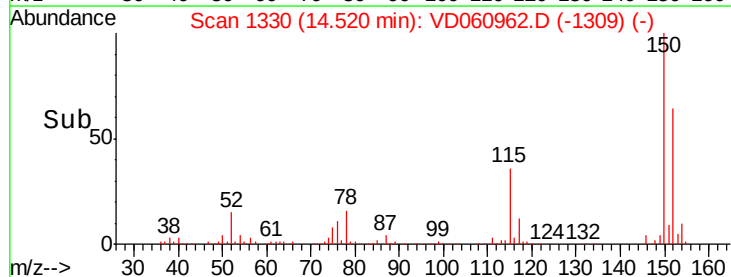
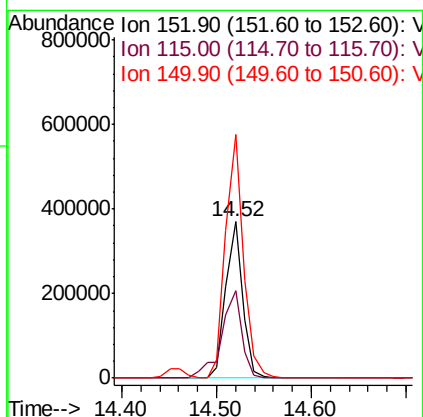
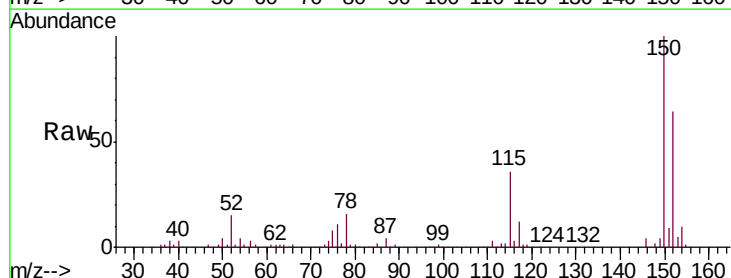
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

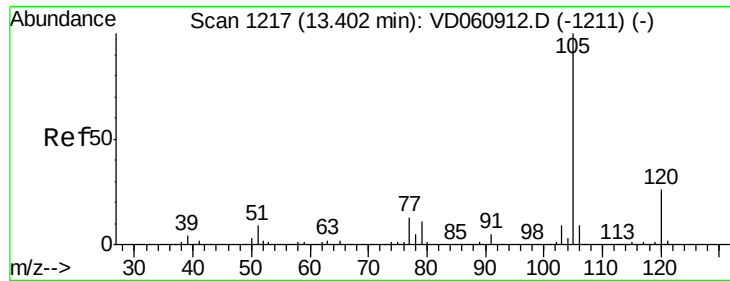
Tgt Ion:173 Resp: 107078
Ion Ratio Lower Upper
173 100
175 48.2 24.1 72.3
254 8.0 5.6 8.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion:152 Resp: 459460
Ion Ratio Lower Upper
152 100
115 55.7 27.6 82.8
150 156.0 0.0 312.8





#73

Isopropylbenzene

Concen: 18.443 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

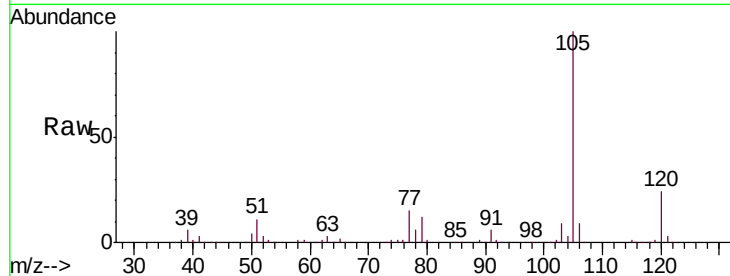
VD0306SBS01

Tgt Ion: 105 Resp: 654724

Ion Ratio Lower Upper

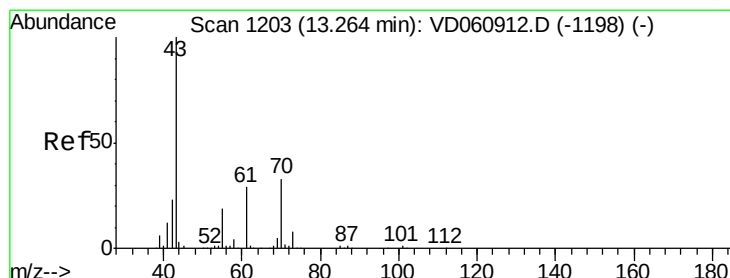
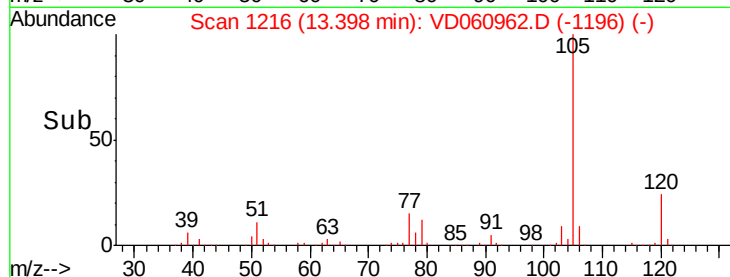
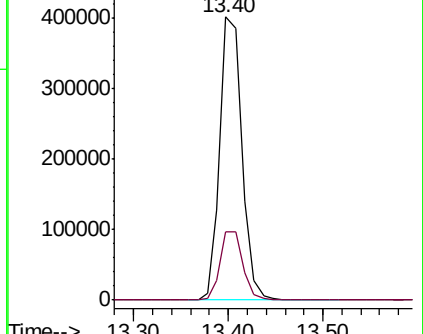
105 100

120 24.3 12.9 38.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.400 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Tgt Ion: 43 Resp: 205718

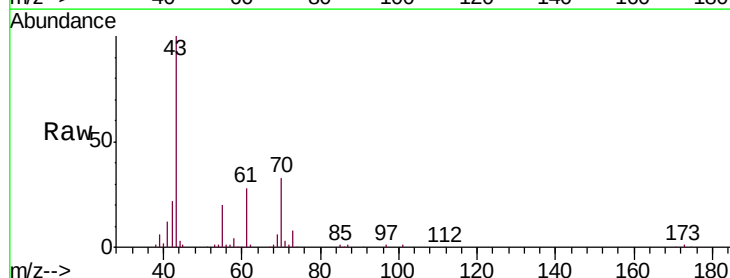
Ion Ratio Lower Upper

43 100

70 33.2 26.3 39.5

55 19.9 15.4 23.2

61 28.3 23.4 35.0

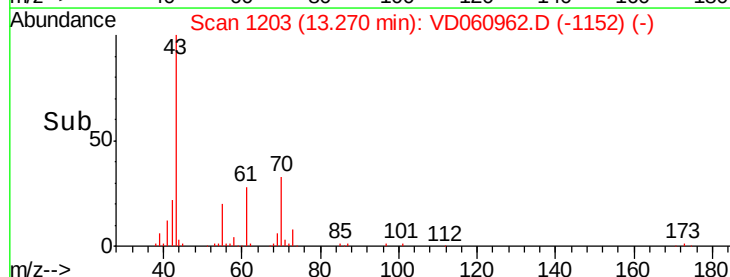
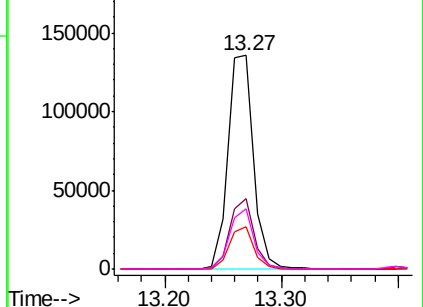


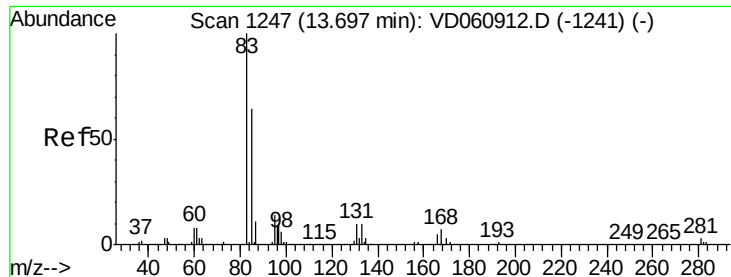
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.092 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

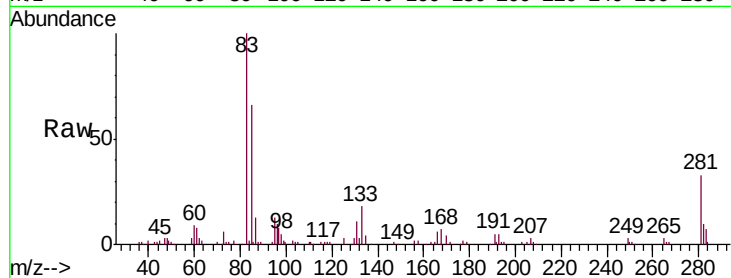
Tgt Ion: 83 Resp: 140562

Ion Ratio Lower Upper

83 100

131 11.2 5.1 15.2

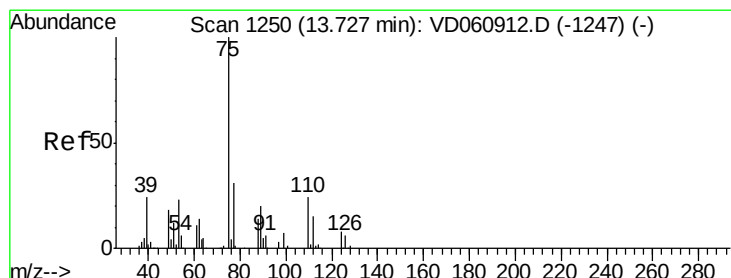
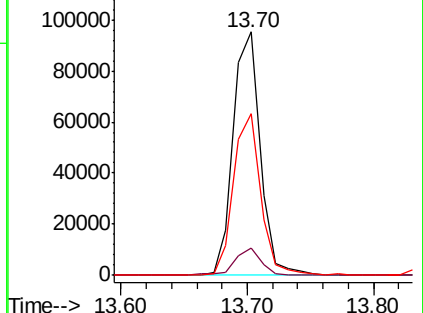
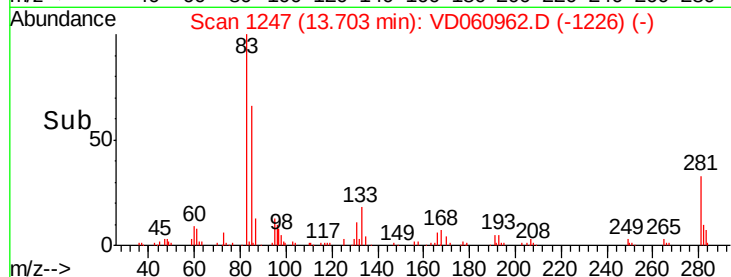
85 66.5 32.3 96.8



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: 19.260 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD060962.D

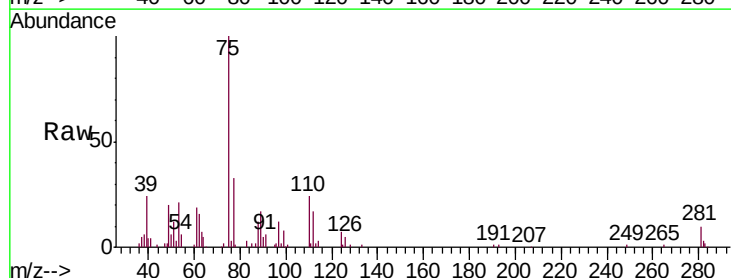
Acq: 6 Mar 2019 13:46

Tgt Ion: 75 Resp: 143381

Ion Ratio Lower Upper

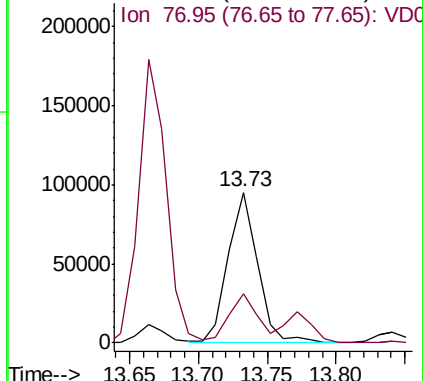
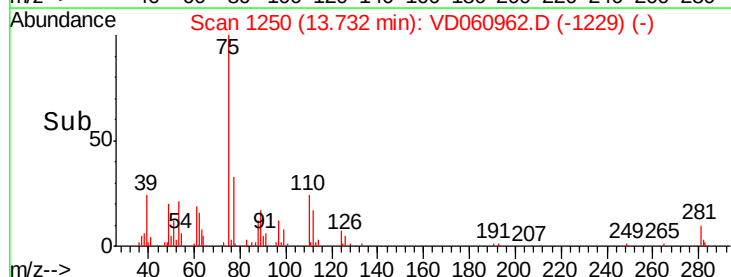
75 100

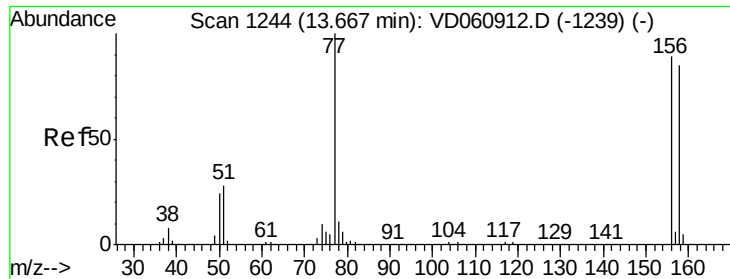
77 33.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.472 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

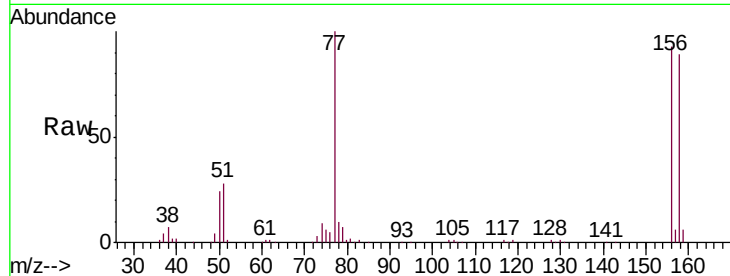
Tgt Ion:156 Resp: 189960

Ion Ratio Lower Upper

156 100

77 108.1 56.4 169.2

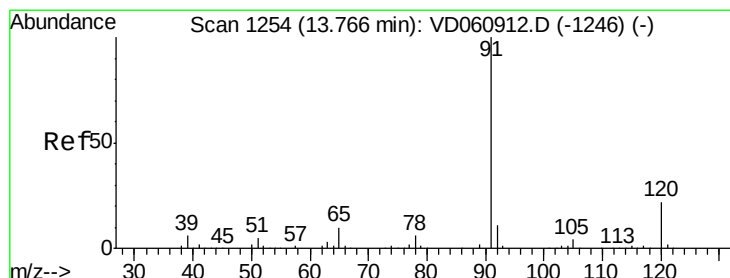
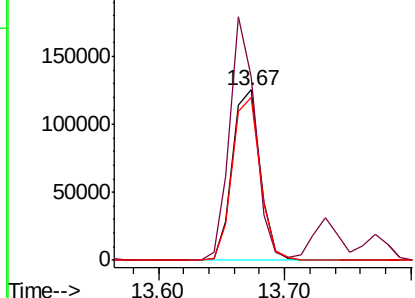
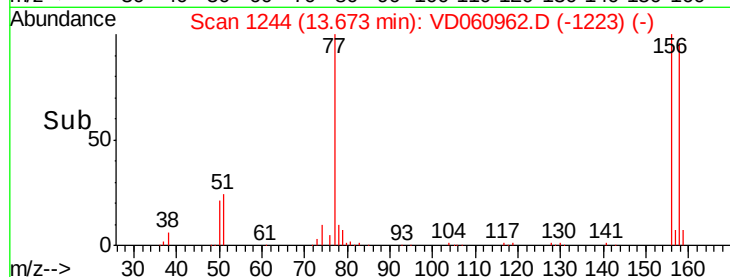
158 95.7 48.0 144.2



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: 19.651 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD060962.D

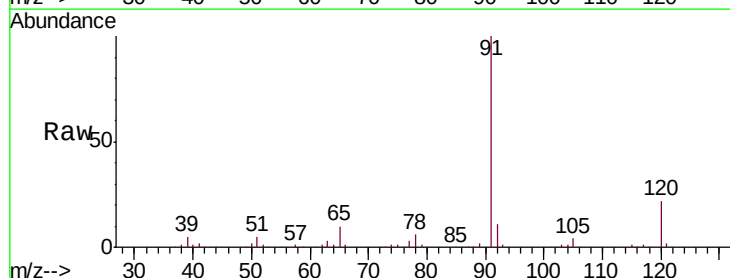
Acq: 6 Mar 2019 13:46

Tgt Ion: 91 Resp: 802587

Ion Ratio Lower Upper

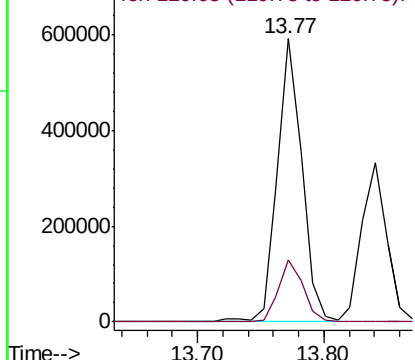
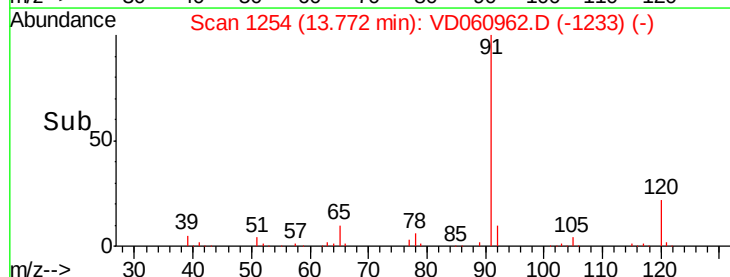
91 100

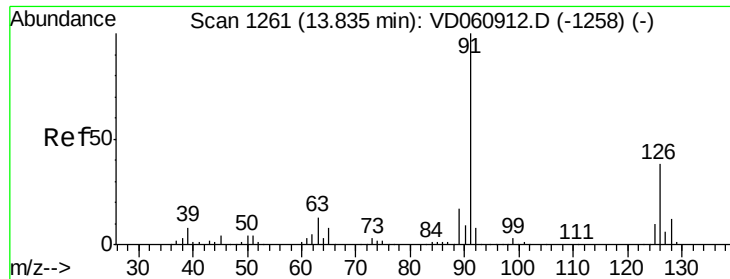
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

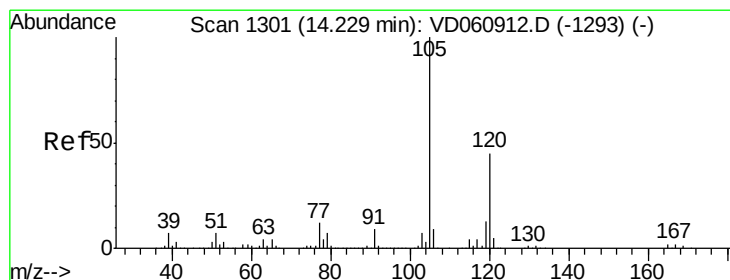
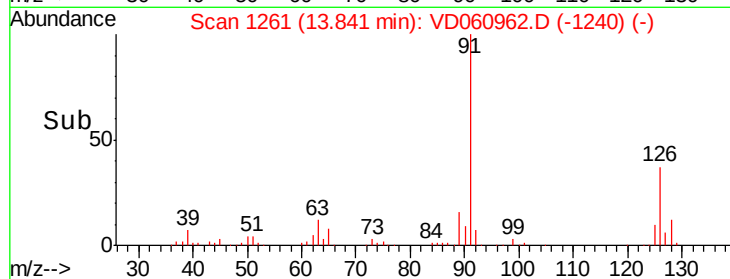
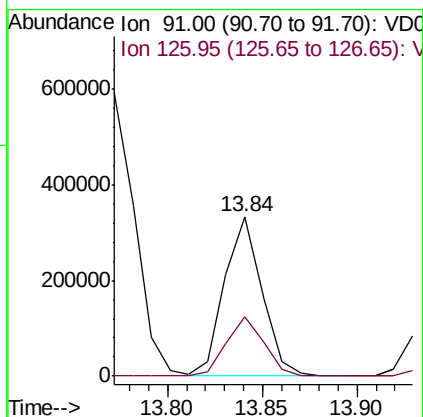
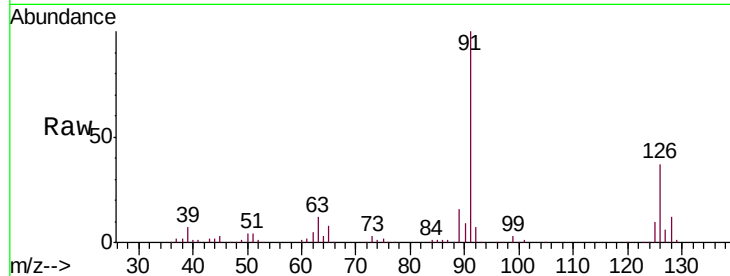




#79
 2-Chlorotoluene
 Concen: 19.629 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

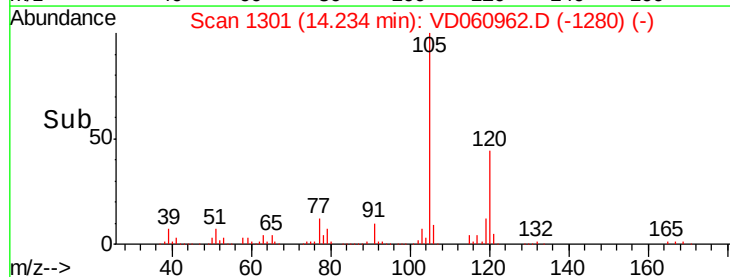
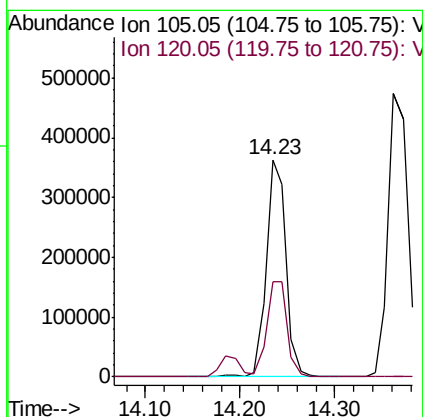
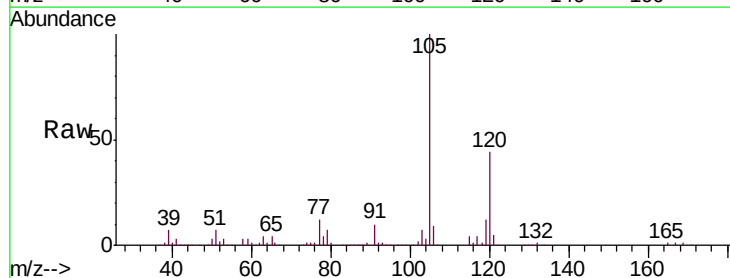
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

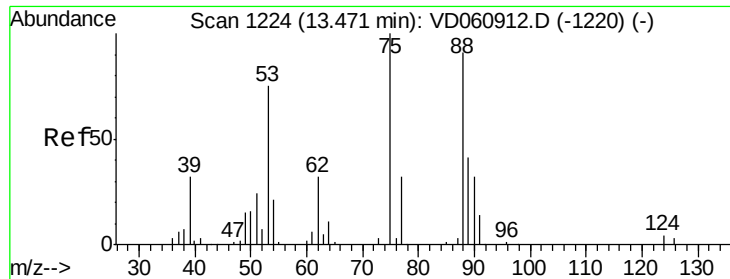
Tgt Ion: 91 Resp: 457858
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.8 56.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.706 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 105 Resp: 530502
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.7 68.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.060 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

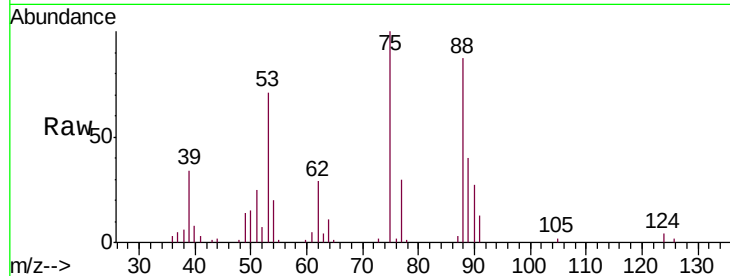
Tgt Ion: 75 Resp: 44197

Ion Ratio Lower Upper

75 100

53 71.4 59.8 89.6

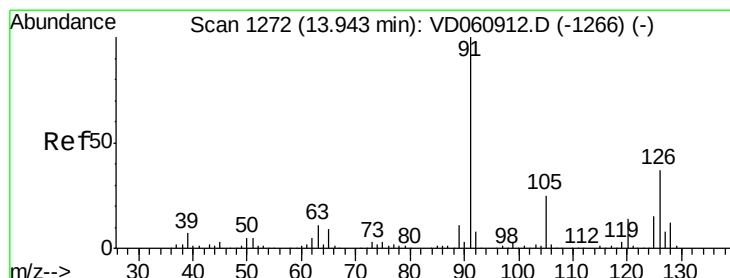
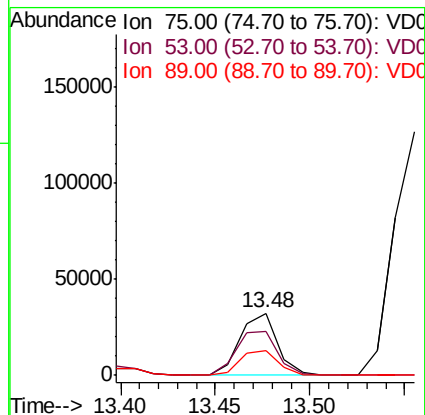
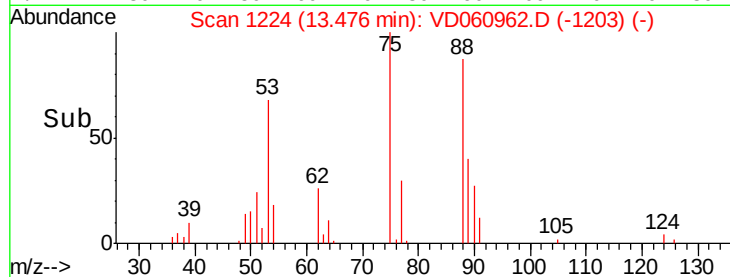
89 40.3 33.0 49.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.805 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD060962.D

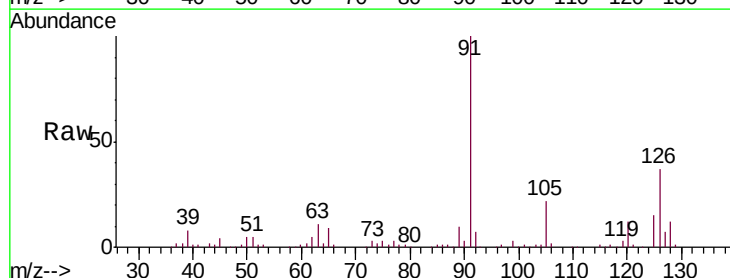
Acq: 6 Mar 2019 13:46

Tgt Ion: 91 Resp: 532263

Ion Ratio Lower Upper

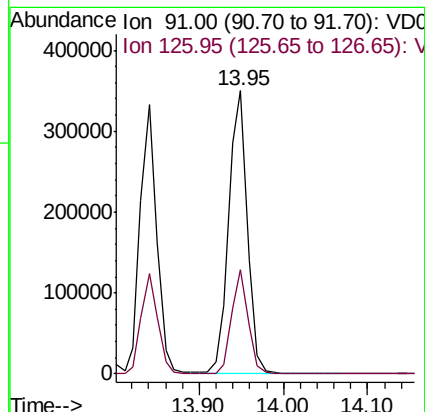
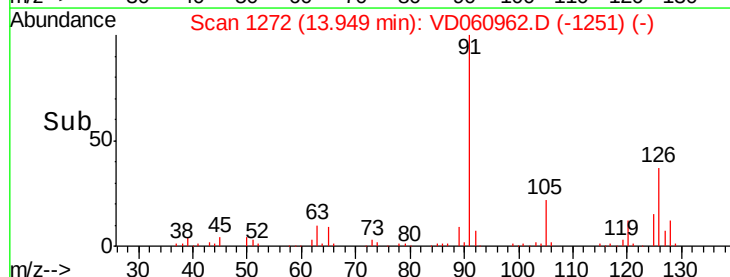
91 100

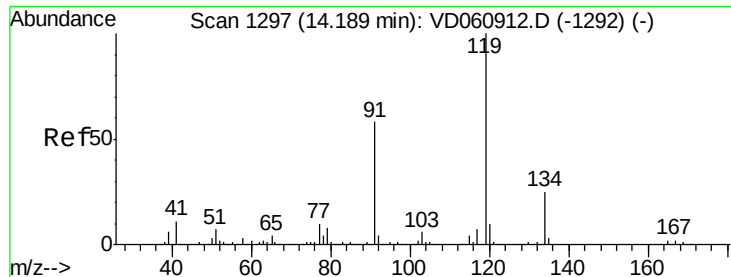
126 37.0 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

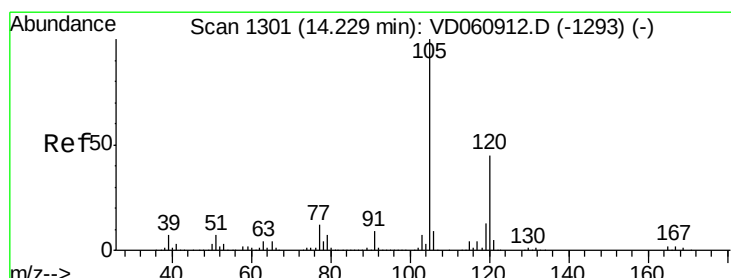
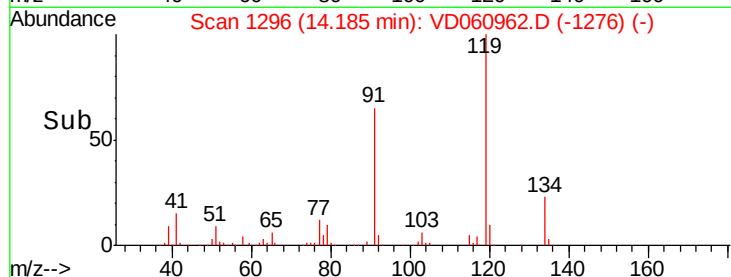
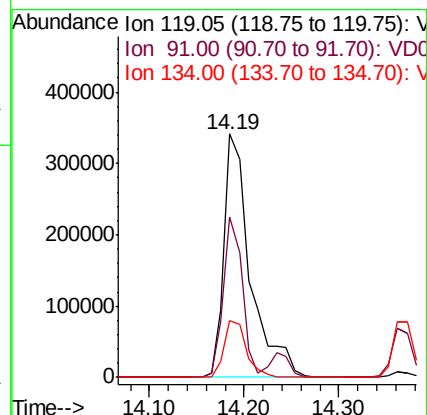
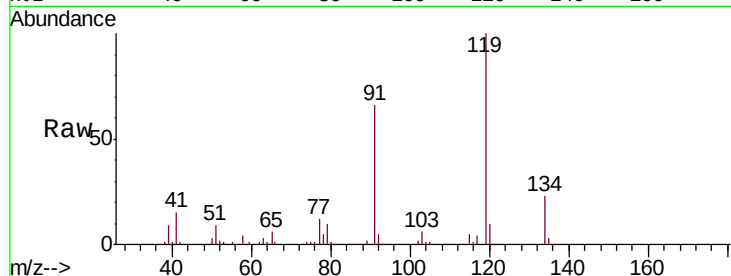




#83
 tert-Butylbenzene
 Concen: 21.506 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

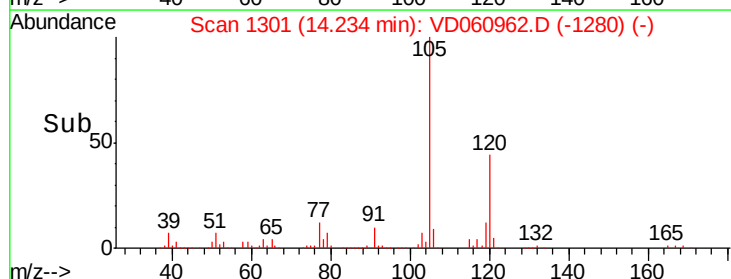
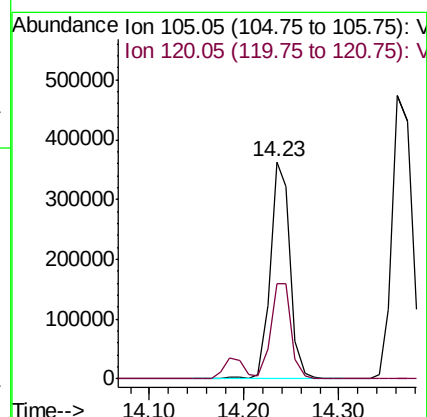
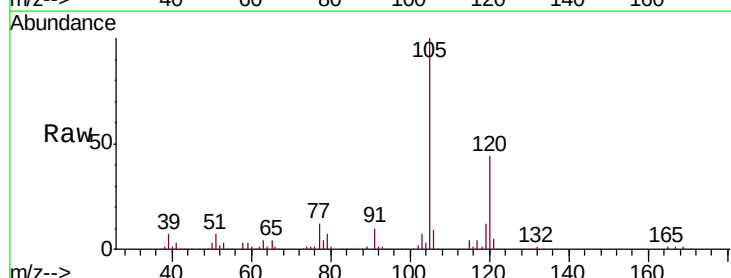
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

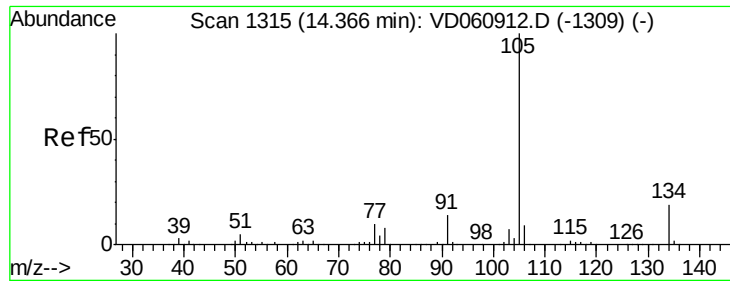
Tgt Ion:119 Resp: 662871
 Ion Ratio Lower Upper
 119 100
 91 65.8 28.8 86.5
 134 23.4 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.706 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion:105 Resp: 530502
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.7 68.1

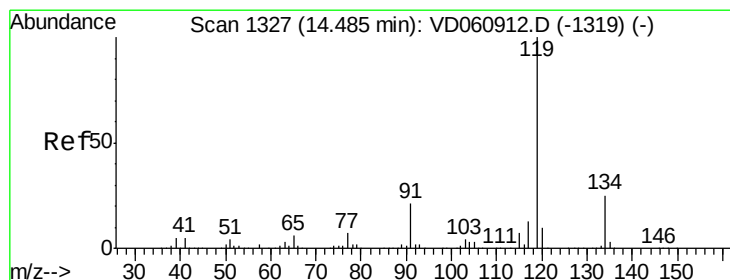
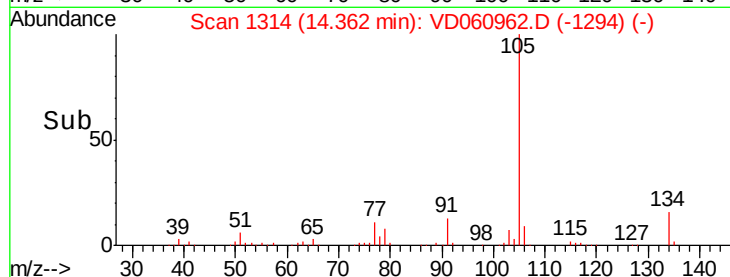
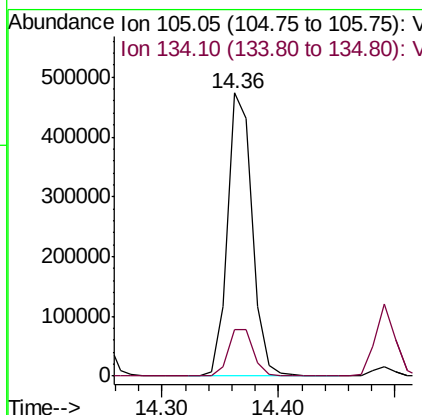
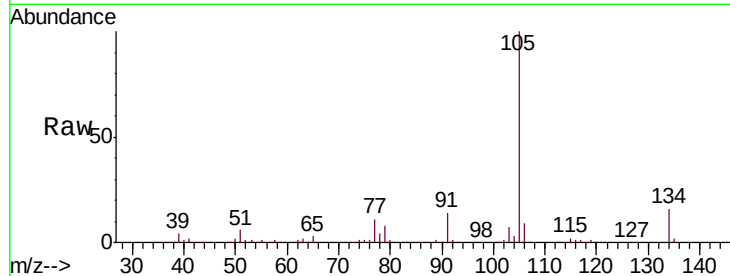




#85
 sec-Butylbenzene
 Concen: 19.256 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

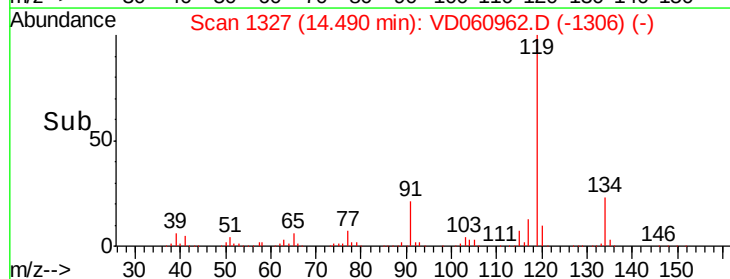
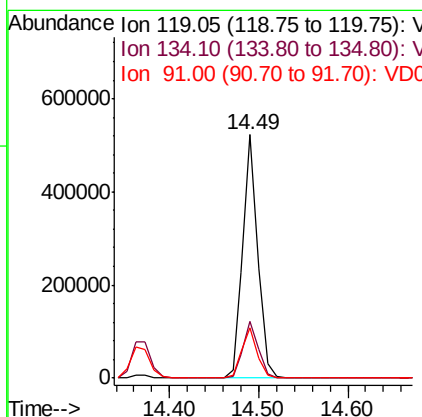
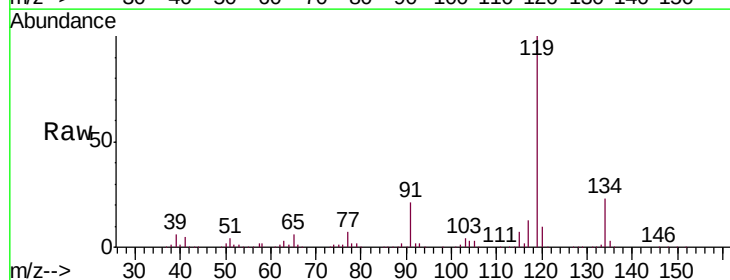
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

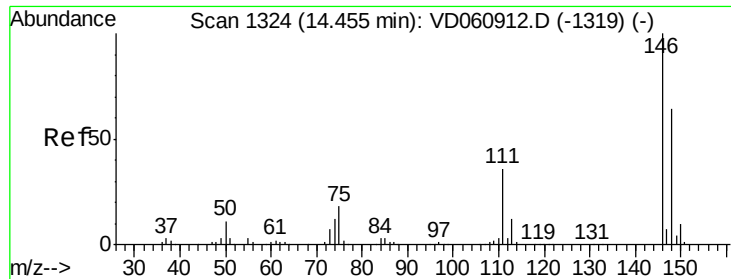
Tgt Ion:105 Resp: 688089
 Ion Ratio Lower Upper
 105 100
 134 16.3 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 21.208 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion:119 Resp: 617254
 Ion Ratio Lower Upper
 119 100
 134 23.3 12.4 37.0
 91 20.9 10.8 32.3

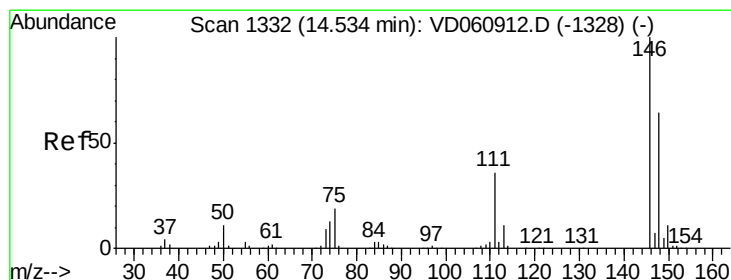
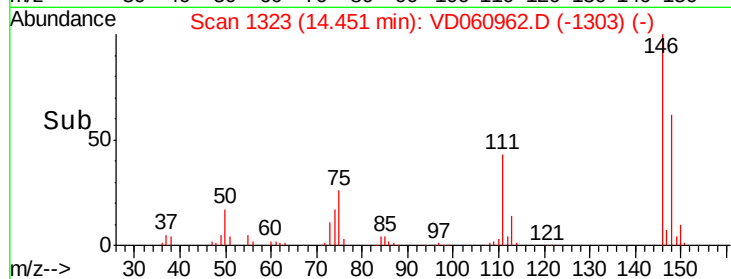
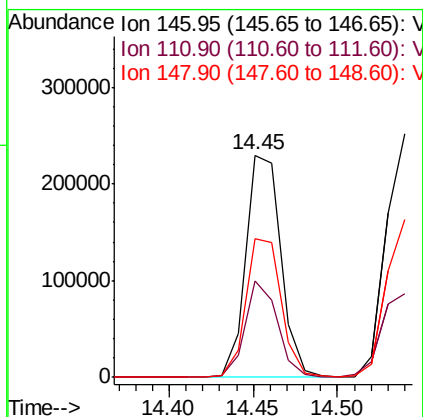
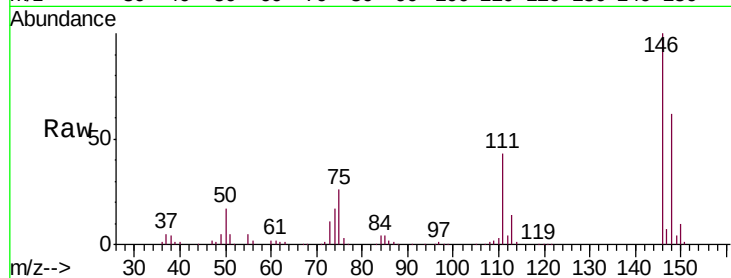




#87
 1,3-Dichlorobenzene
 Concen: 21.183 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

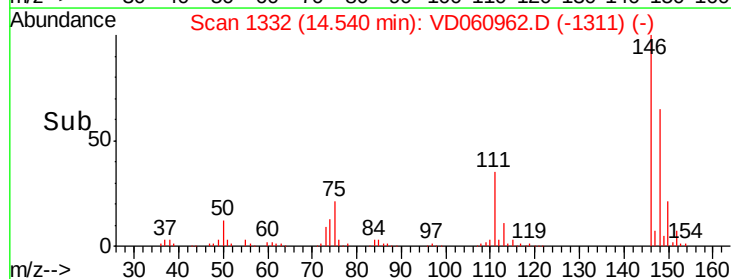
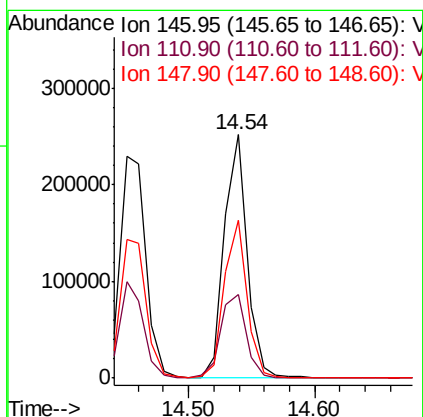
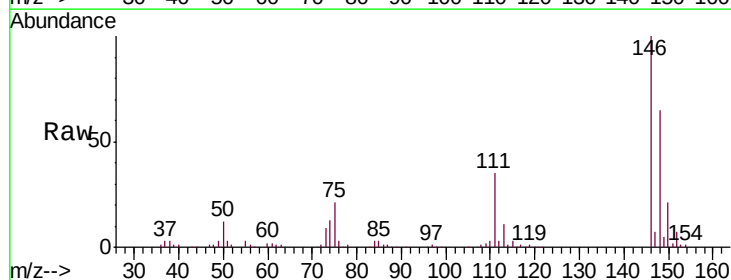
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

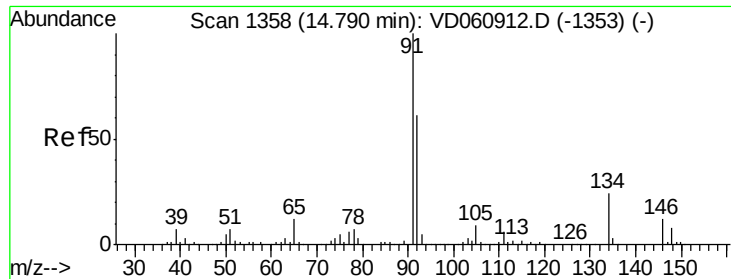
Tgt Ion:146 Resp: 333932
 Ion Ratio Lower Upper
 146 100
 111 43.3 18.1 54.1
 148 62.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.050 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion:146 Resp: 313887
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.9 53.8
 148 64.8 32.0 96.0





#89

n-Butylbenzene

Concen: 20.305 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD060962.D

Acq: 6 Mar 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBSD01

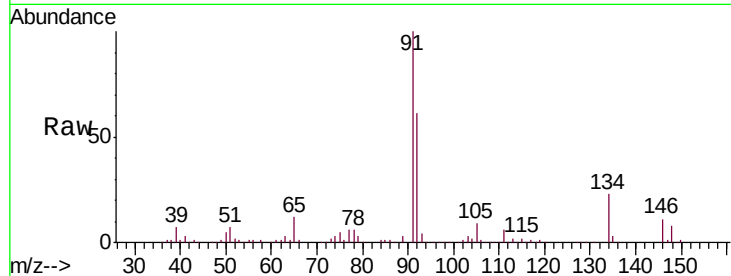
Tgt Ion: 91 Resp: 584393

Ion Ratio Lower Upper

91 100

92 61.3 30.6 91.6

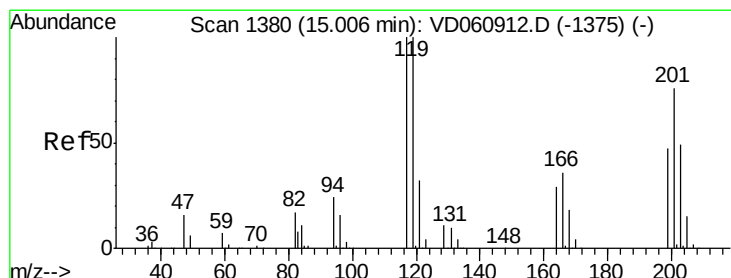
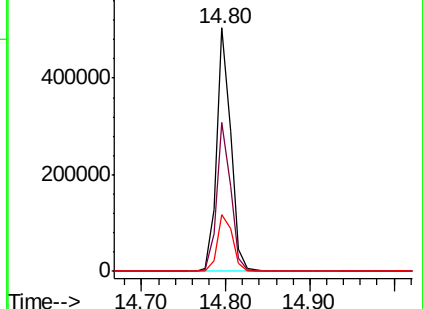
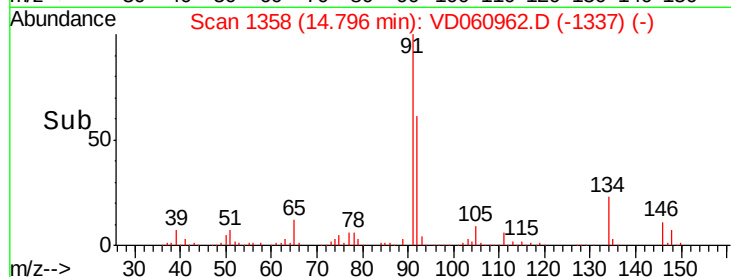
134 23.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.878 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD060962.D

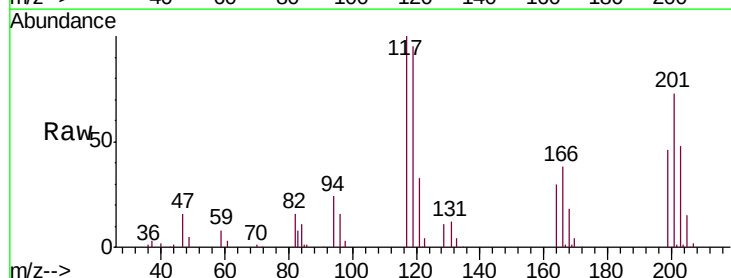
Acq: 6 Mar 2019 13:46

Tgt Ion: 117 Resp: 158457

Ion Ratio Lower Upper

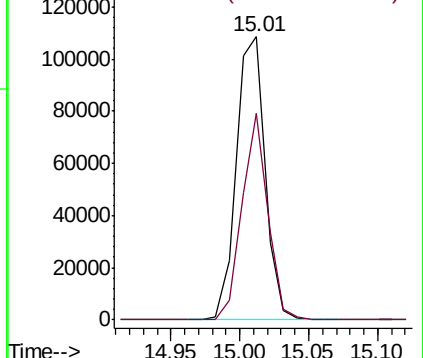
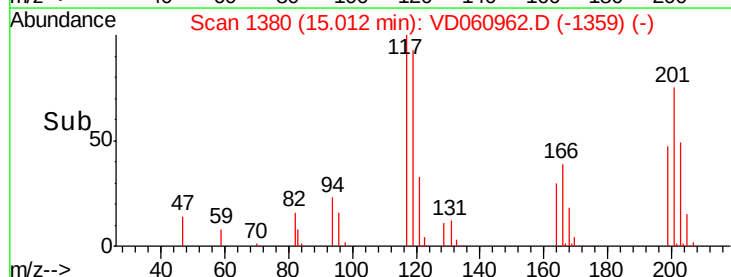
117 100

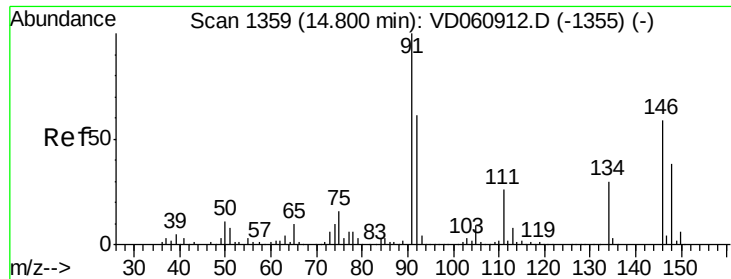
201 73.0 37.8 113.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

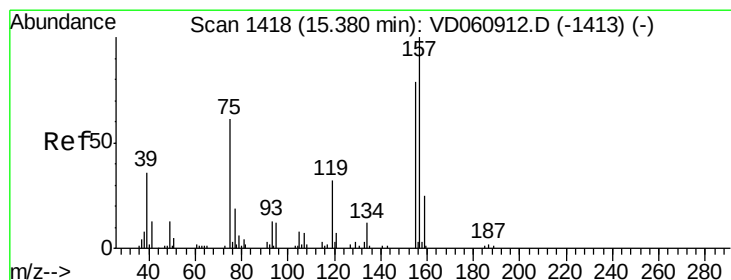
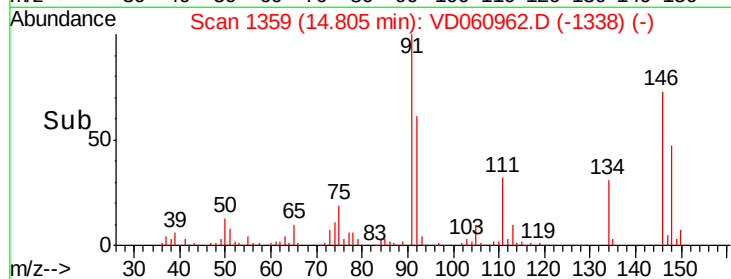
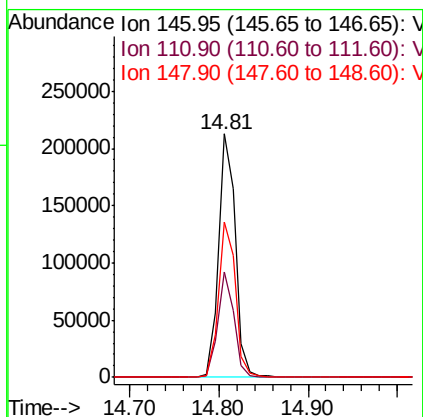
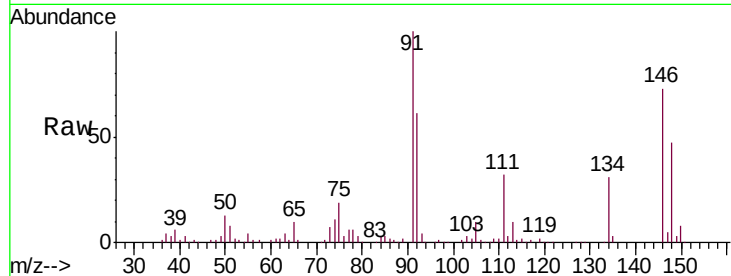




#91
 1,2-Dichlorobenzene
 Concen: 20.617 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

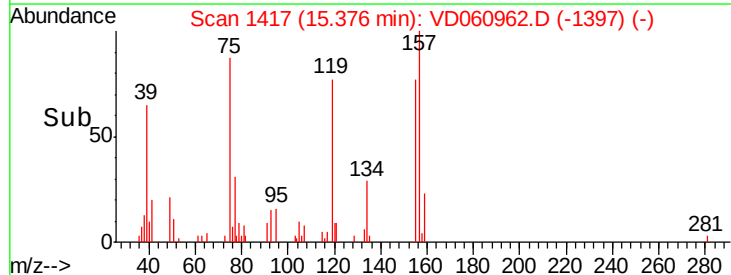
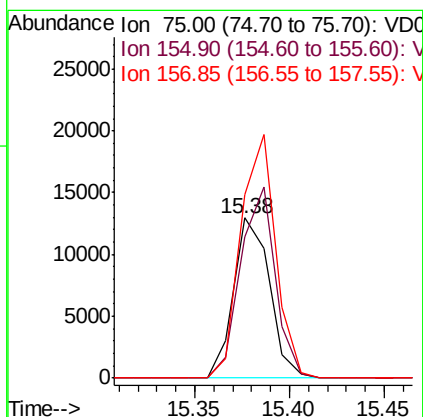
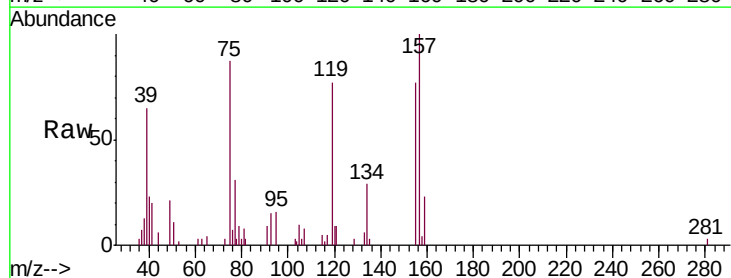
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

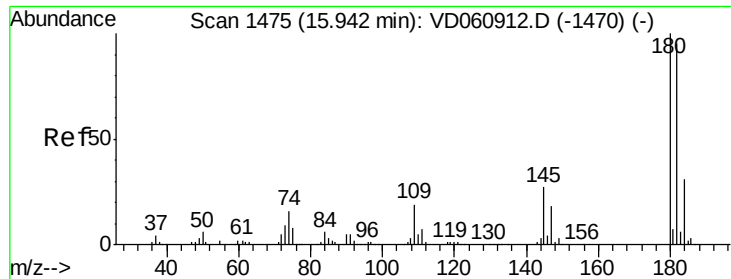
Tgt Ion: 146 Resp: 281596
 Ion Ratio Lower Upper
 146 100
 111 43.4 22.1 66.3
 148 63.7 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.725 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion: 75 Resp: 16993
 Ion Ratio Lower Upper
 75 100
 155 88.1 65.0 195.0
 157 114.9 81.8 245.3

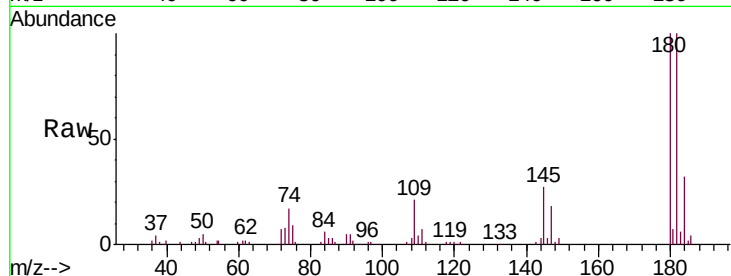




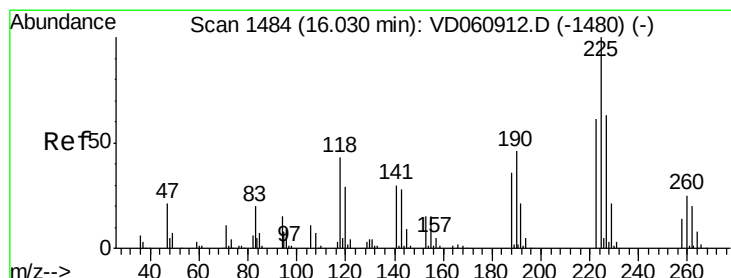
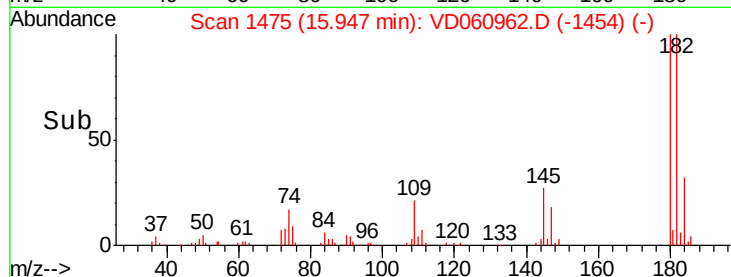
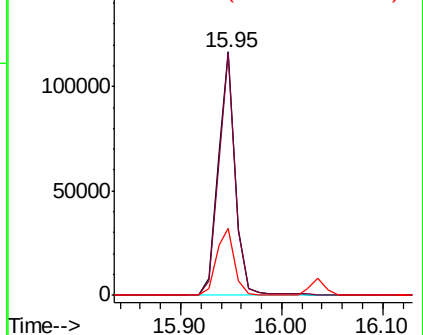
#93
 1,2,4-Trichlorobenzene
 Concen: 17.393 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBSD01

Tgt Ion:180 Resp: 137941
 Ion Ratio Lower Upper
 180 100
 182 99.8 47.5 142.6
 145 27.3 13.5 40.5

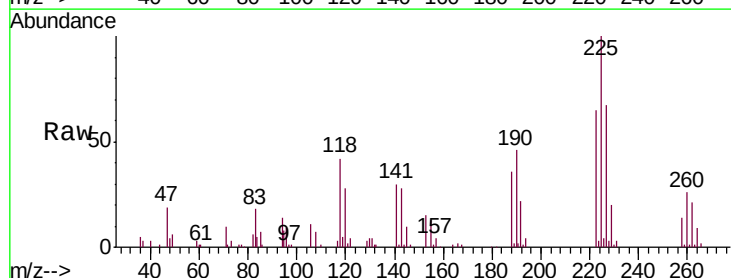


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

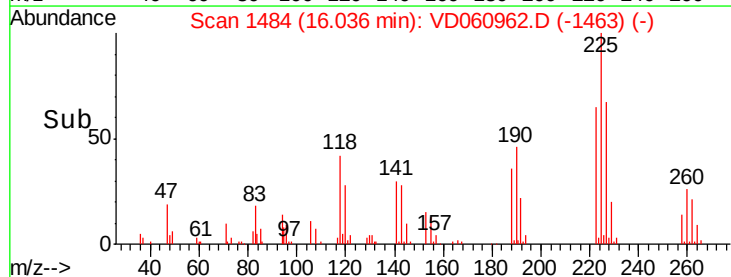
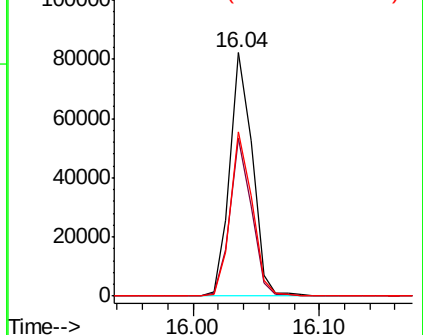


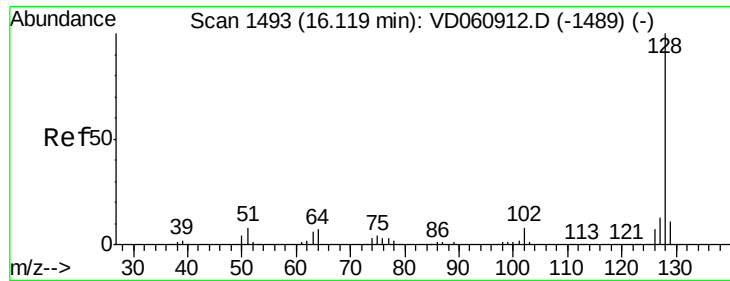
#94
 Hexachlorobutadiene
 Concen: 19.962 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD060962.D
 Acq: 6 Mar 2019 13:46

Tgt Ion:225 Resp: 101612
 Ion Ratio Lower Upper
 225 100
 223 64.9 30.4 91.3
 227 67.4 31.4 94.2



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

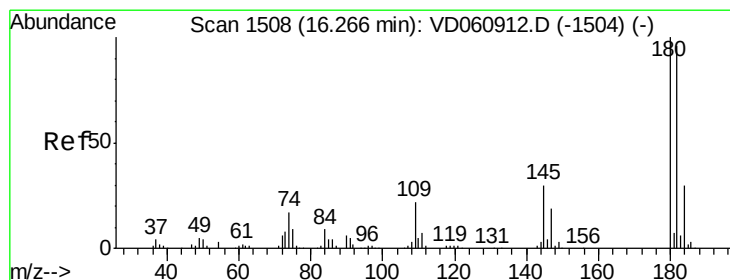
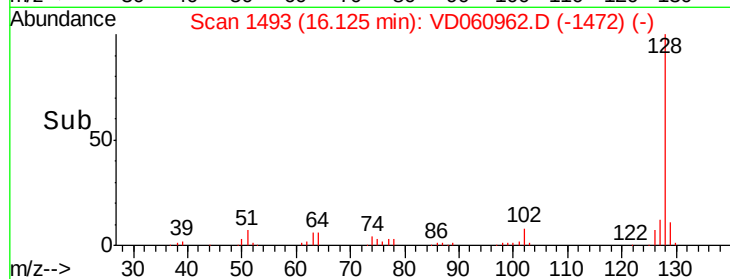
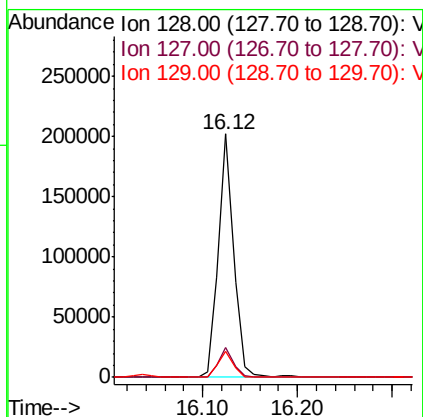
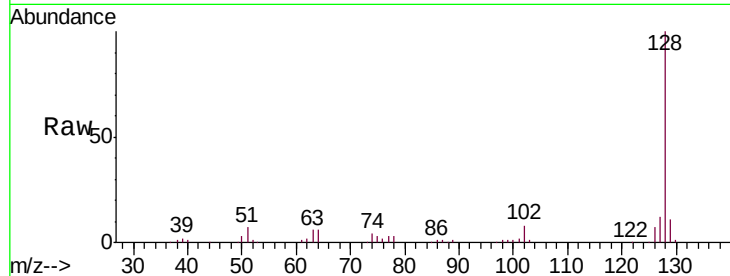




#95
Naphthalene
Concen: 18.450 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBSD01

Tgt Ion:128 Resp: 227852
Ion Ratio Lower Upper
128 100
127 12.0 10.1 15.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.726 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD060962.D
Acq: 6 Mar 2019 13:46

Tgt Ion:180 Resp: 83400
Ion Ratio Lower Upper
180 100
182 93.4 48.1 144.4
145 29.3 14.8 44.4

