

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061060.D
 Acq On : 14 Mar 2019 13:07
 Operator : VA/AP
 Sample : VD0314SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Quant Time: Mar 15 02:10:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	725754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1267327	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1033065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	445450	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	303565	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	6.93	113	500635	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
50) Toluene-d8	10.41	98	1226480	51.93	ug/l	0.01
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	13.55	95	435424	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	145208	20.199	ug/l	99
3) Chloromethane	1.76	50	126203	21.073	ug/l	98
4) Vinyl Chloride	1.86	62	116268	21.011	ug/l	100
5) Bromomethane	2.15	94	18540	16.260	ug/l	97
6) Chloroethane	2.26	64	33713	20.354	ug/l #	85
7) Trichlorofluoromethane	2.54	101	137862	17.342	ug/l	97
8) Diethyl Ether	2.88	74	52705	20.097	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.16	101	185439	20.865	ug/l	98
10) Methyl Iodide	3.32	142	209642	19.057	ug/l	99
11) Tert butyl alcohol	4.06	59	32635	84.857	ug/l	99
12) 1,1-Dichloroethene	3.13	96	149442	20.513	ug/l	97
13) Acrolein	3.04	56	40701	73.143	ug/l	93
14) Allyl chloride	3.62	41	245042	21.023	ug/l	98
15) Acrylonitrile	4.20	53	140935	103.686	ug/l	95
16) Acetone	3.23	43	171430	99.236	ug/l	100
17) Carbon Disulfide	3.38	76	441716	17.974	ug/l	100
18) Methyl Acetate	3.64	43	62889	18.498	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	273045	21.386	ug/l	98
20) Methylene Chloride	3.82	84	188361	21.230	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	172010	21.814	ug/l	96
22) Diisopropyl ether	5.13	45	501109	20.710	ug/l	96
23) Vinyl Acetate	5.06	43	1252858	100.863	ug/l	99
24) 1,1-Dichloroethane	4.99	63	272375	20.545	ug/l	100
25) 2-Butanone	6.07	43	200561	102.315	ug/l	100
26) 2,2-Dichloropropane	6.03	77	212258	20.509	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	175904	21.026	ug/l	95
28) Bromochloromethane	6.45	49	106748	19.020	ug/l	96
29) Tetrahydrofuran	6.46	42	102996	96.764	ug/l	99
30) Chloroform	6.66	83	290802	21.164	ug/l	99
31) Cyclohexane	6.96	56	232913	21.788	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	233711	19.674	ug/l	98
36) 1,1-Dichloropropene	7.15	75	214760	19.659	ug/l	98
37) Ethyl Acetate	6.18	43	87879	17.143	ug/l	99
38) Carbon Tetrachloride	7.12	117	230215	19.131	ug/l	96

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Quant Time: Mar 15 02:10:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	231922	20.474	ug/l	98
40) Benzene	7.46	78	542296	19.867	ug/l	98
41) Methacrylonitrile	6.45	41	110652	18.766	ug/l	95
42) 1,2-Dichloroethane	7.59	62	145748	18.399	ug/l	99
43) Isopropyl Acetate	9.24	43	124801	17.577	ug/l #	98
44) Trichloroethene	8.54	130	188537	20.020	ug/l	99
45) 1,2-Dichloropropane	8.94	63	144120	20.096	ug/l	94
46) Dibromomethane	9.06	93	87249	19.180	ug/l	96
47) Bromodichloromethane	9.38	83	190659	18.573	ug/l	98
48) Methyl methacrylate	9.11	41	68855	17.224	ug/l	94
49) 1,4-Dioxane	9.07	88	13005	321.720	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	417527	95.989	ug/l	97
52) Toluene	10.51	92	340849	20.080	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	178950	19.065	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	227682	20.188	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	104345	18.459	ug/l	99
56) Ethyl methacrylate	11.04	69	116747	19.731	ug/l	98
57) 1,3-Dichloropropane	11.41	76	162173	19.198	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	283265	90.445	ug/l	98
59) 2-Hexanone	11.53	43	321286	100.976	ug/l	98
60) Dibromochloromethane	11.68	129	163810	19.690	ug/l	99
61) 1,2-Dibromoethane	11.80	107	125730	19.120	ug/l	100
64) Tetrachloroethene	11.26	164	145315	20.838	ug/l	97
65) Chlorobenzene	12.40	112	428246	21.145	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	143616	19.894	ug/l	96
67) Ethyl Benzene	12.52	91	589344	19.546	ug/l	98
68) m/p-Xylenes	12.67	106	491855	41.563	ug/l	99
69) o-Xylene	13.05	106	240502	20.675	ug/l	100
70) Styrene	13.07	104	371590	19.563	ug/l	98
71) Bromoform	13.24	173	90541	19.442	ug/l	99
73) Isopropylbenzene	13.41	105	669722	20.862	ug/l	100
74) N-amyl acetate	13.27	43	156692	17.334	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	120138	19.181	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	127411	19.881	ug/l	97
77) Bromobenzene	13.67	156	175765	21.448	ug/l	97
78) n-propylbenzene	13.77	91	754582	20.078	ug/l	99
79) 2-Chlorotoluene	13.84	91	435630	21.054	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	529795	21.739	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	32482	17.192	ug/l	89
82) 4-Chlorotoluene	13.95	91	505173	20.653	ug/l	99
83) tert-Butylbenzene	14.18	119	583680	21.884	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	529795	21.739	ug/l	99
85) sec-Butylbenzene	14.37	105	625321	19.205	ug/l	99
86) p-Isopropyltoluene	14.49	119	558463	20.983	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	308243	21.065	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	303614	21.114	ug/l	99
89) n-Butylbenzene	14.79	91	537319	21.023	ug/l	99
90) Hexachloroethane	15.01	117	145863	19.409	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	264375	21.672	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14119	18.706	ug/l	92

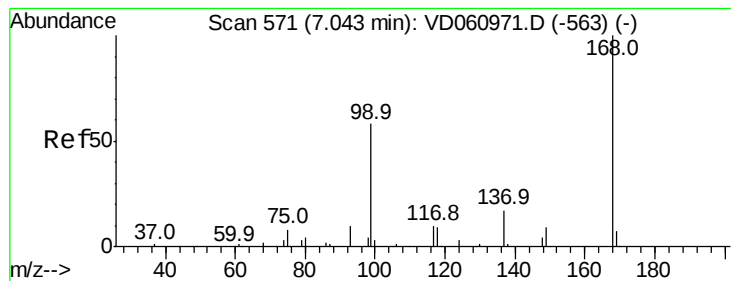
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
Data File : VD061060.D
Acq On : 14 Mar 2019 13:07
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Sample : VD0314SBS01
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	116454	20.578	ug/l	96
94) Hexachlorobutadiene	16.03	225	87086	20.345	ug/l	99
95) Naphthalene	16.12	128	181124	21.062	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	55173	19.739	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

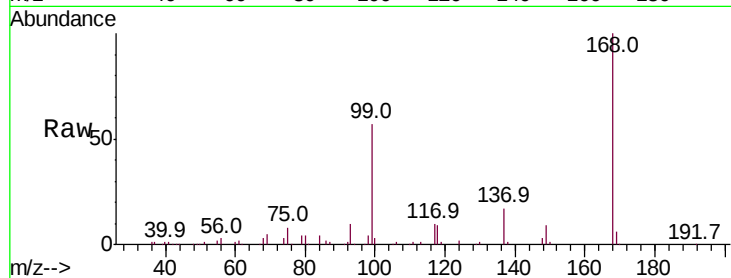
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

Tot Ion:168 Resp: 725754

Ion Ratio Lower Upper

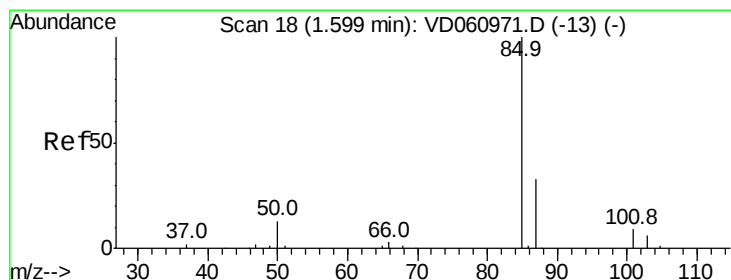
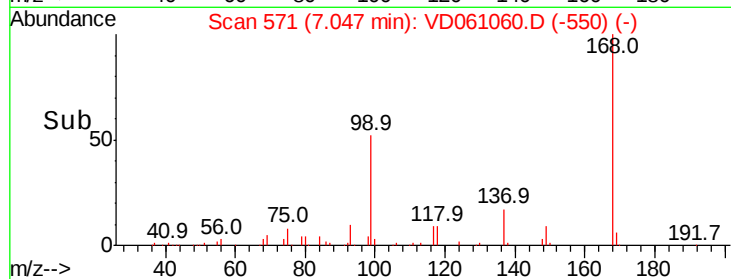
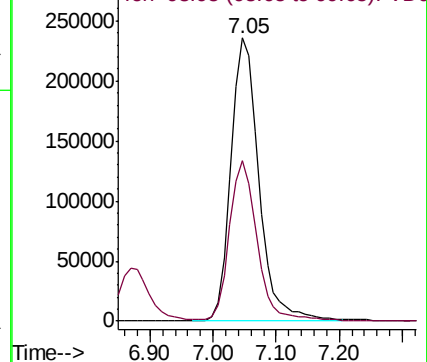
168 100

99 56.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.199 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061060.D

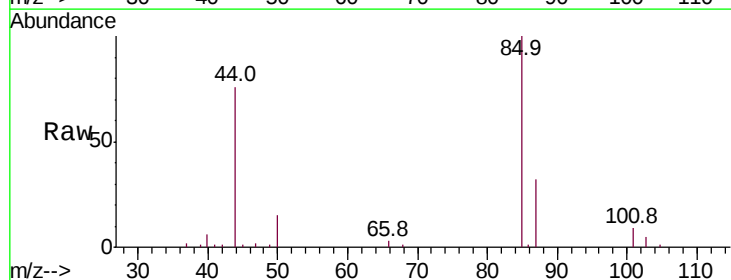
Acq: 14 Mar 2019 13:07

Tgt Ion: 85 Resp: 145208

Ion Ratio Lower Upper

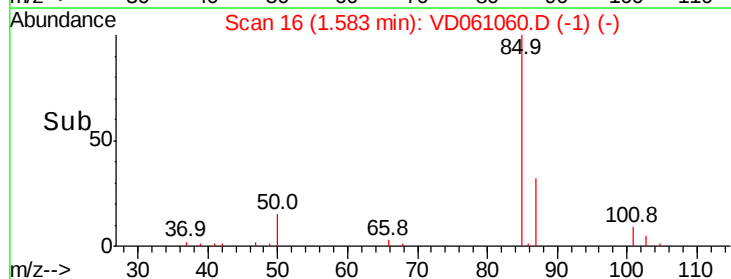
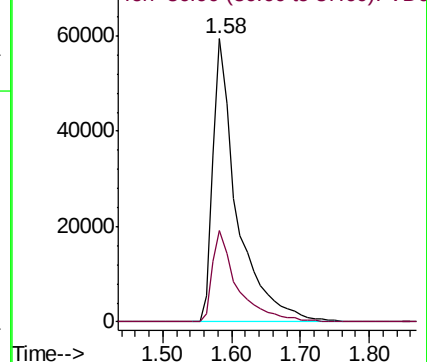
85 100

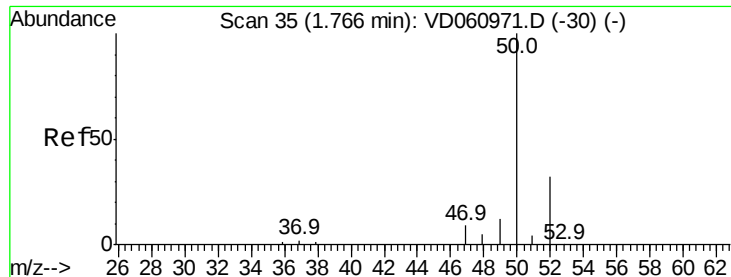
87 32.3 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.073 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

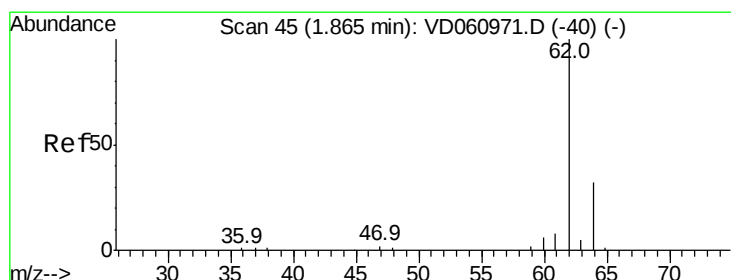
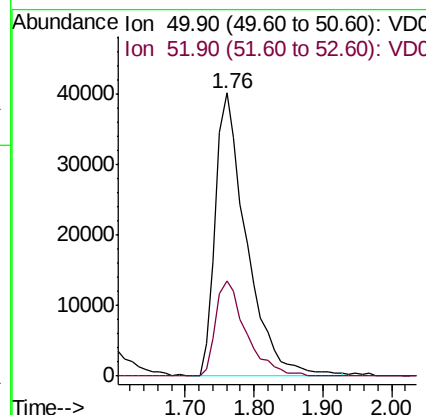
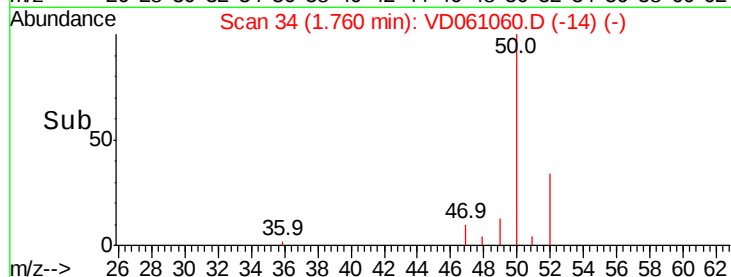
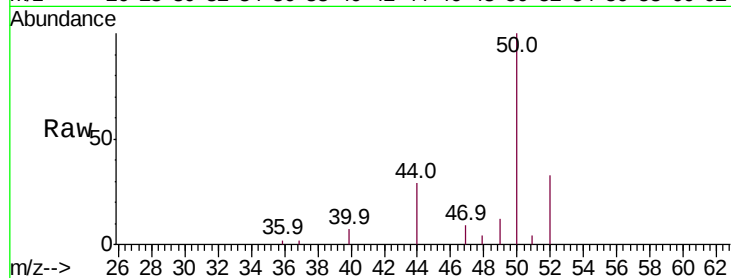
VD0314SBS01

Tot Ion: 50 Resp: 126203

Ion Ratio Lower Upper

50 100

52 33.5 25.8 38.8



#4

Vinyl Chloride

Concen: 21.011 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061060.D

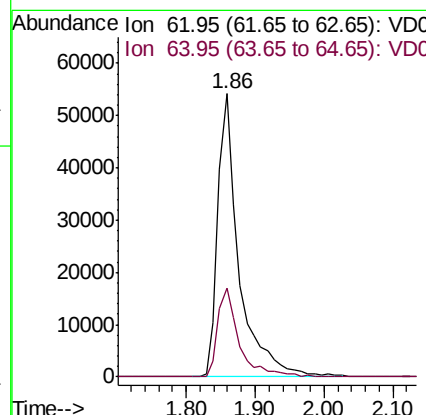
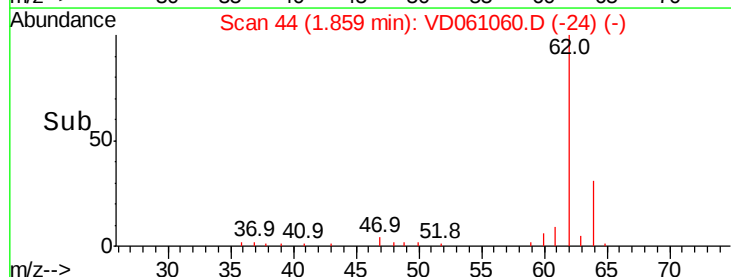
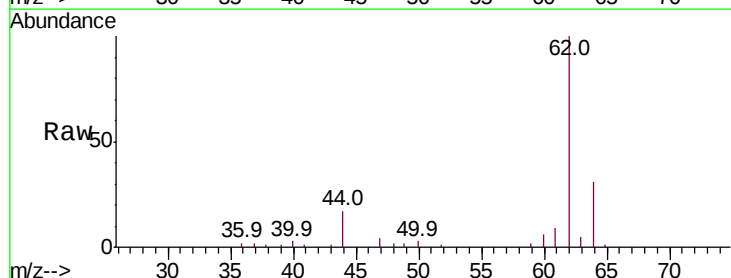
Acq: 14 Mar 2019 13:07

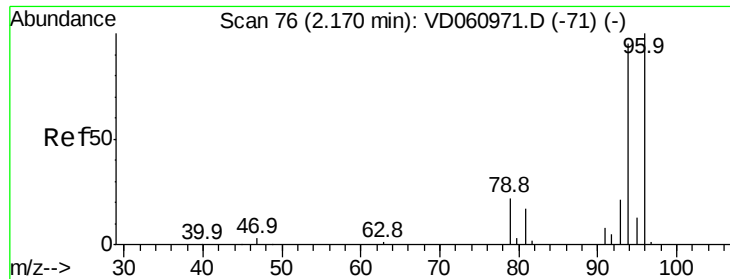
Tgt Ion: 62 Resp: 116268

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 16.260 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

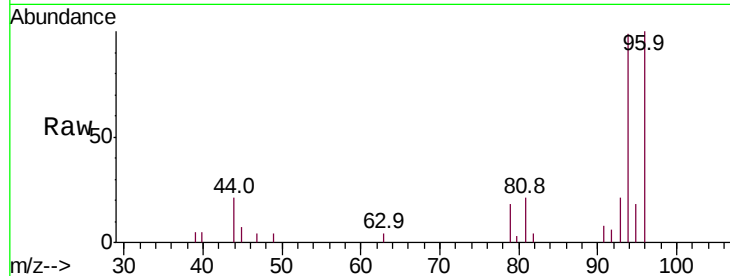
Tot Ion: 94 Resp: 18540

Ion Ratio Lower Upper

94 100

96 101.5 84.0 126.0

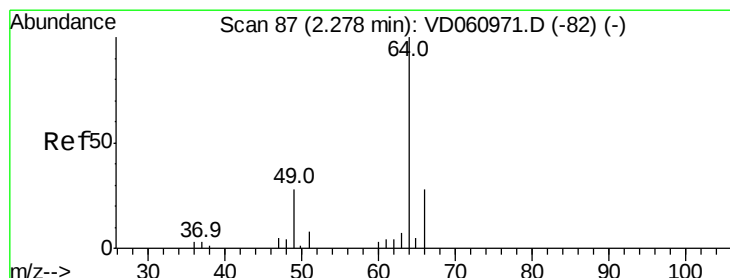
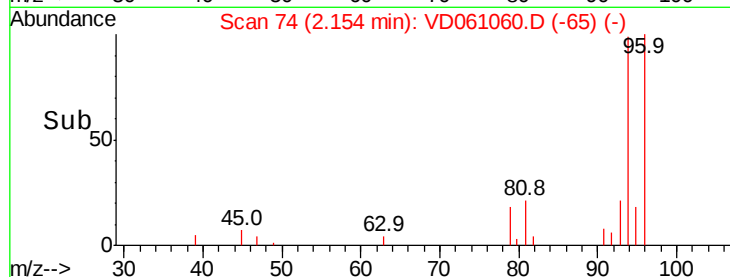
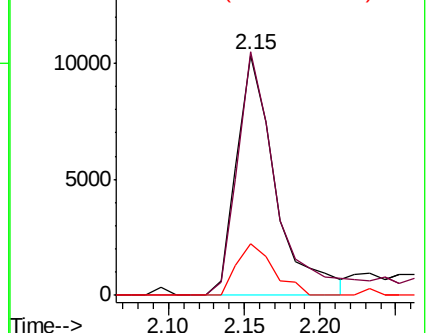
93 21.3 17.3 25.9



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: 20.354 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061060.D

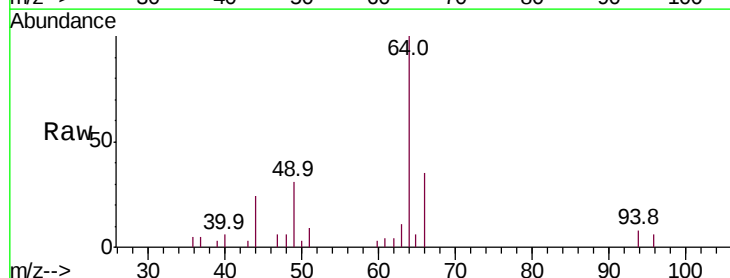
Acq: 14 Mar 2019 13:07

Tgt Ion: 64 Resp: 33713

Ion Ratio Lower Upper

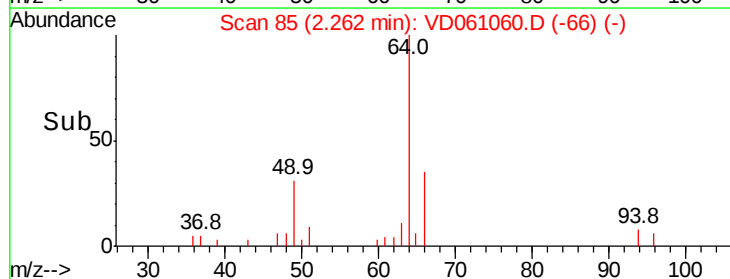
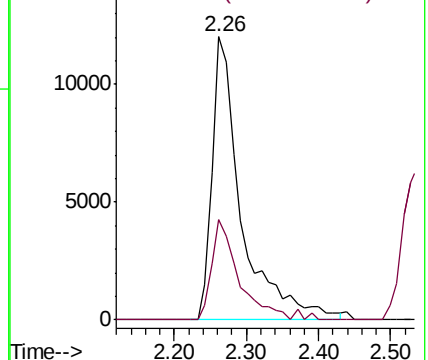
64 100

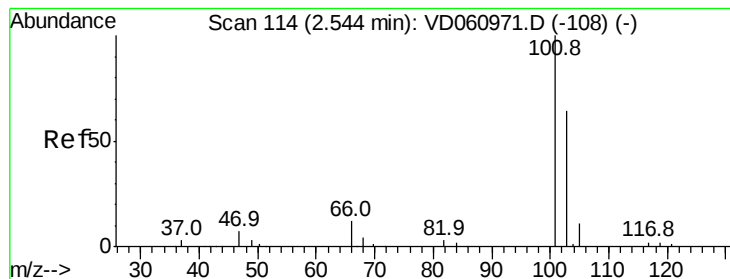
66 35.4 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



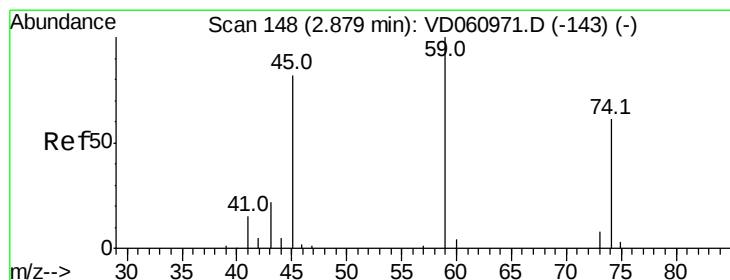
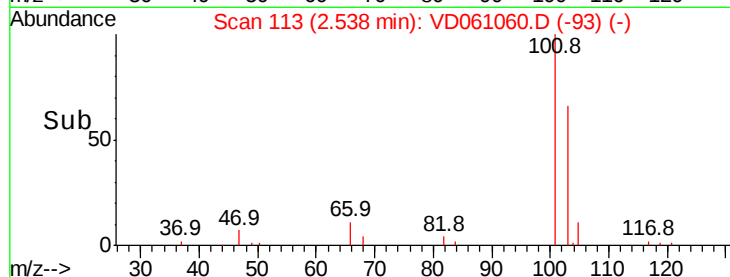
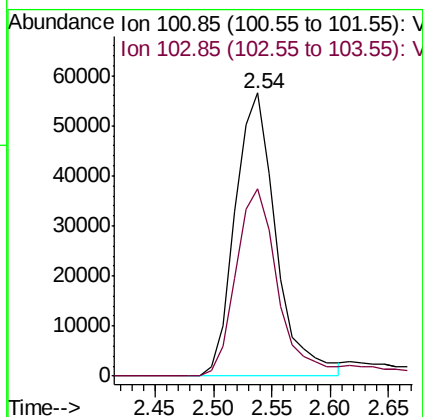
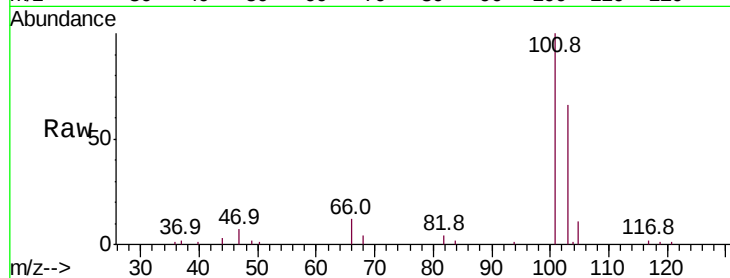


#7

Trichlorofluoromethane
Concen: 17.342 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Instrument :
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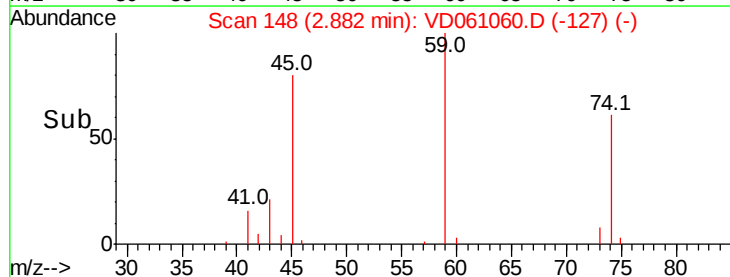
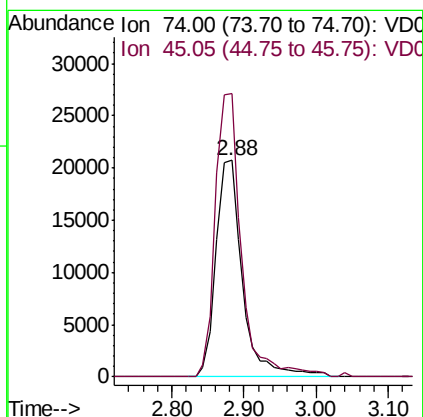
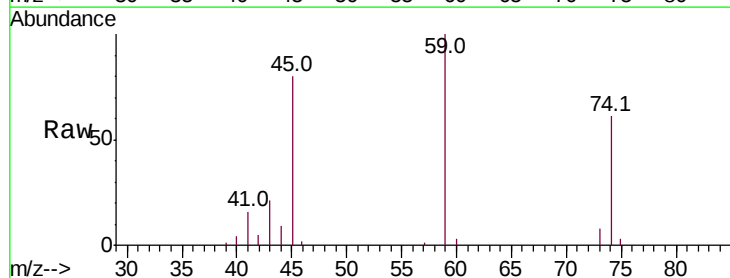
Tot Ion:101 Resp: 137862
Ion Ratio Lower Upper
101 100
103 66.1 51.2 76.8

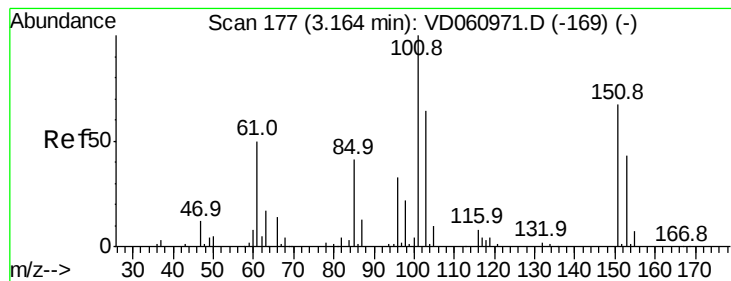


#8

Diethyl Ether
Concen: 20.097 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 74 Resp: 52705
Ion Ratio Lower Upper
74 100
45 130.8 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.865 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

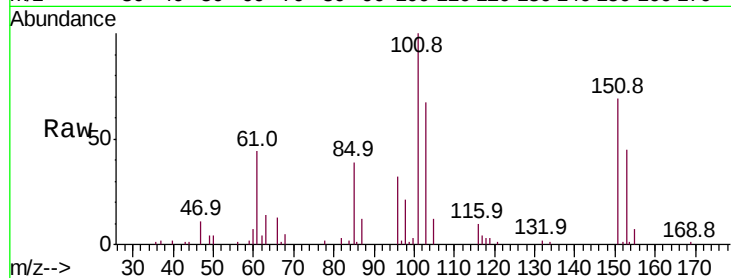
Tot Ion:101 Resp: 185439

Ion Ratio Lower Upper

101 100

85 39.2 32.5 48.7

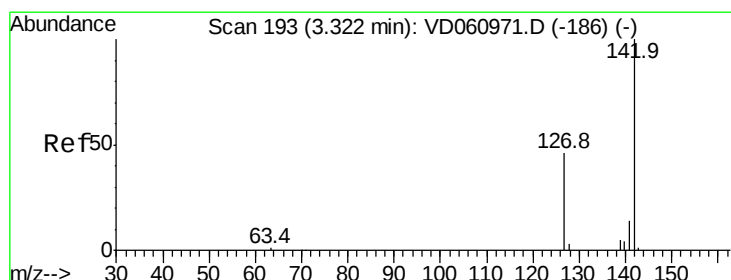
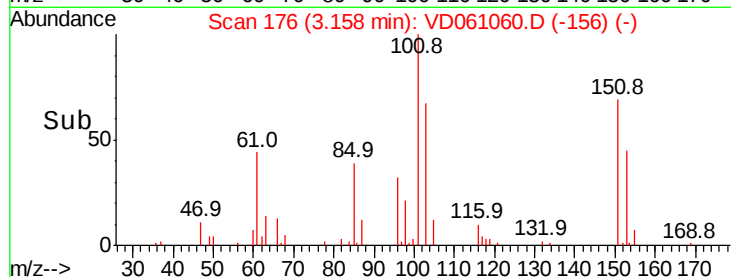
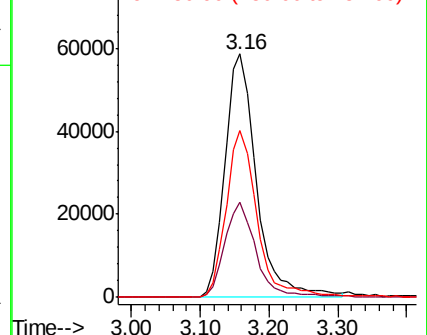
151 68.8 53.3 79.9



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: 19.057 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

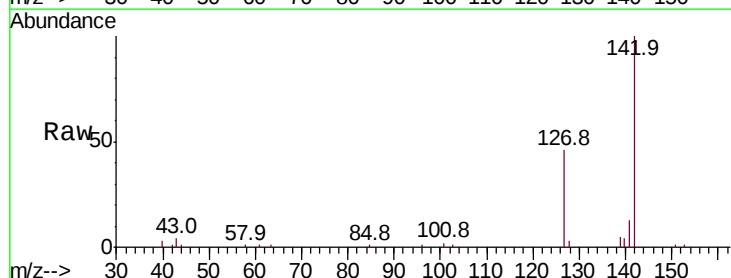
Tgt Ion:142 Resp: 209642

Ion Ratio Lower Upper

142 100

127 45.7 36.8 55.2

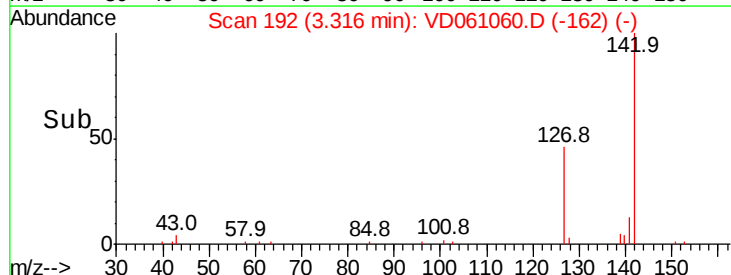
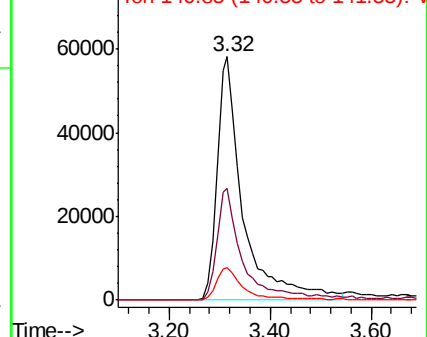
141 13.4 11.2 16.8

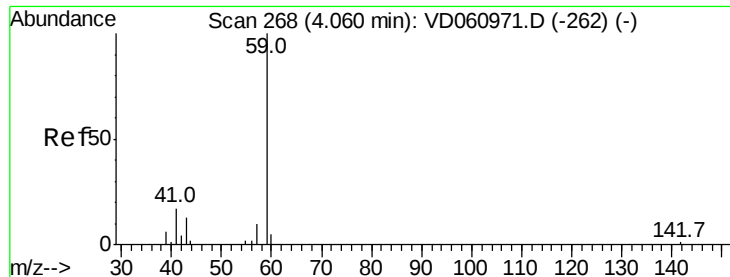


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



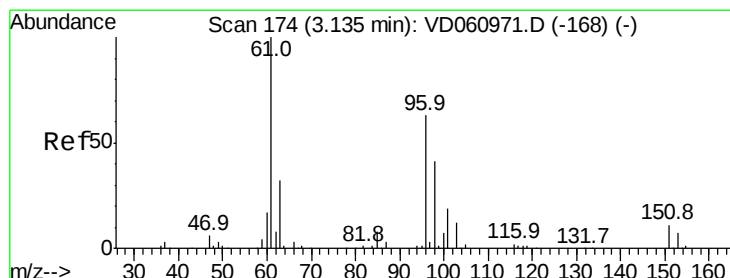
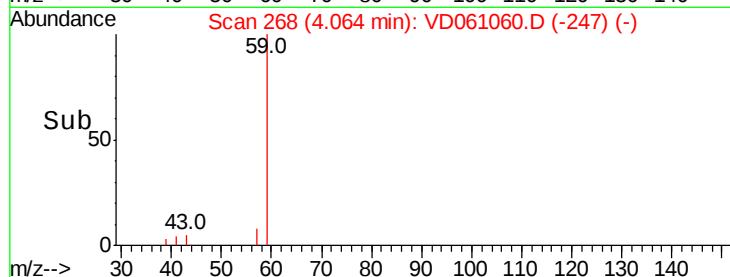
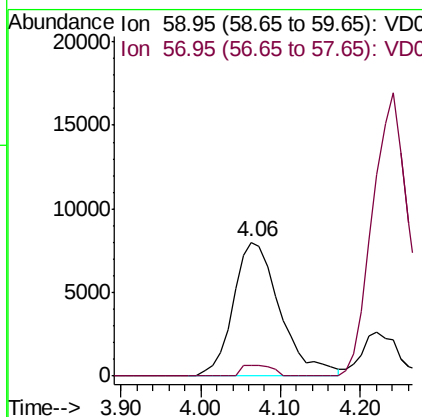
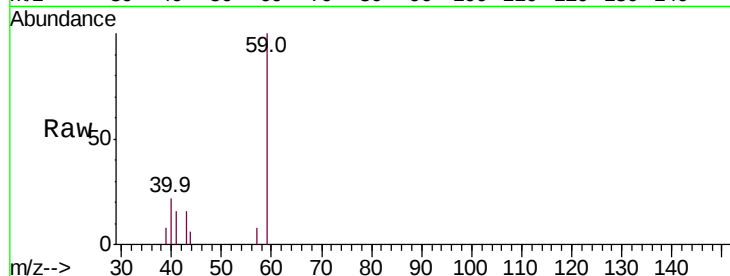


#11

Tert butyl alcohol
Concen: 84.857 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

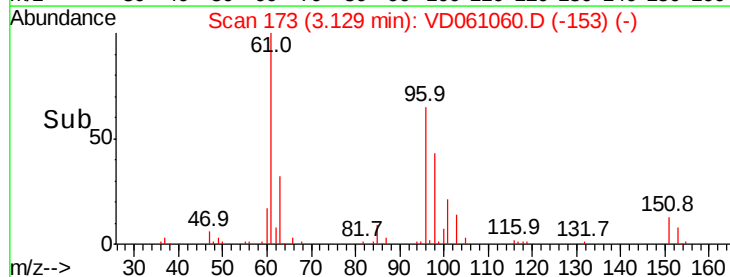
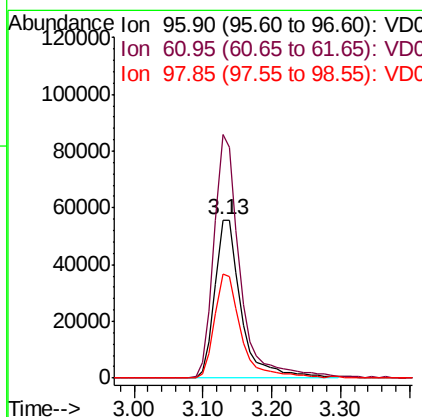
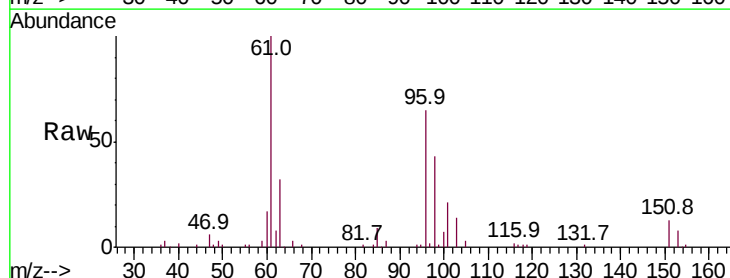
Tot Ion: 59 Resp: 32635
Ion Ratio Lower Upper
59 100
57 8.4 7.1 10.7

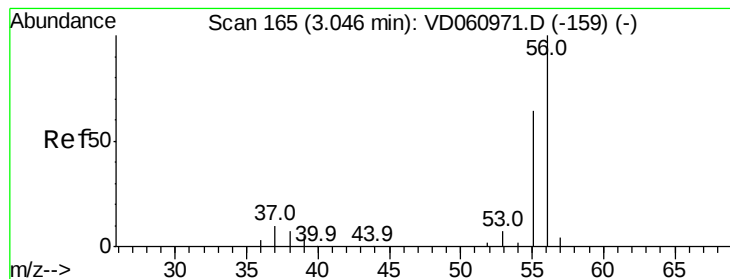


#12

1,1-Dichloroethene
Concen: 20.513 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 96 Resp: 149442
Ion Ratio Lower Upper
96 100
61 153.8 127.1 190.7
98 66.1 51.5 77.3





#13

Acrolein

Concen: 73.143 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

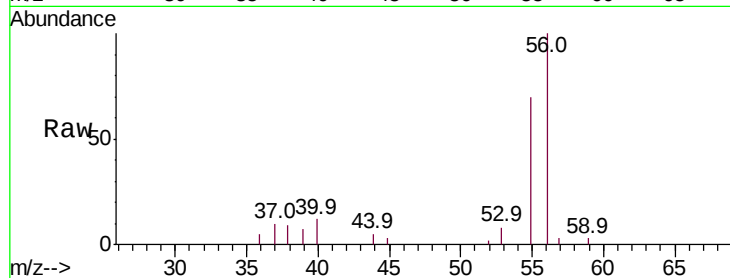
VD0314SBS01

Tot Ion: 56 Resp: 40701

Ion Ratio Lower Upper

56 100

55 69.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

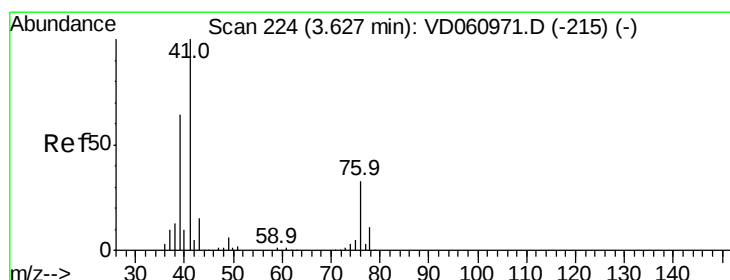
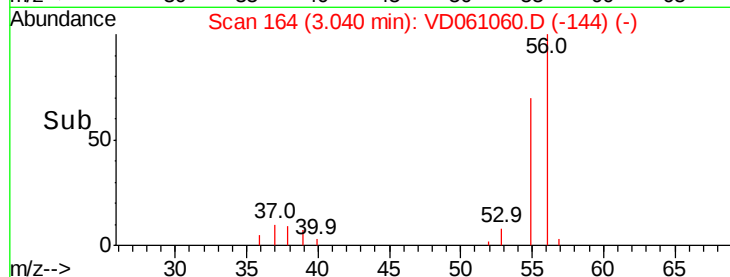
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 21.023 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

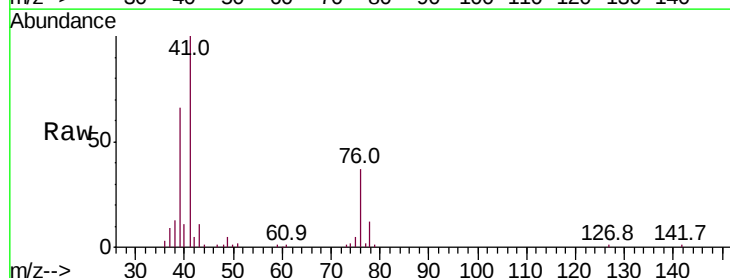
Tgt Ion: 41 Resp: 245042

Ion Ratio Lower Upper

41 100

39 66.0 51.1 76.7

76 36.7 29.1 43.7



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

100000

80000

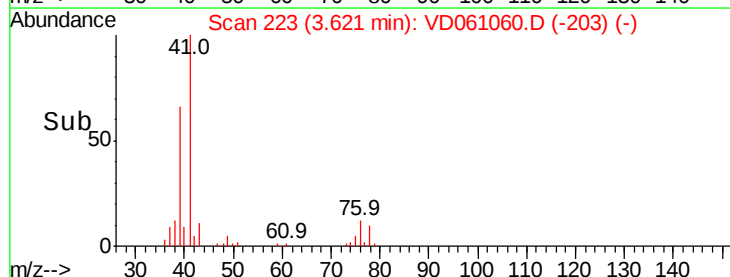
60000

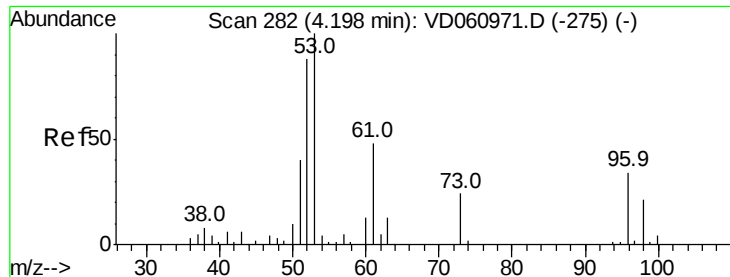
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 103.686 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

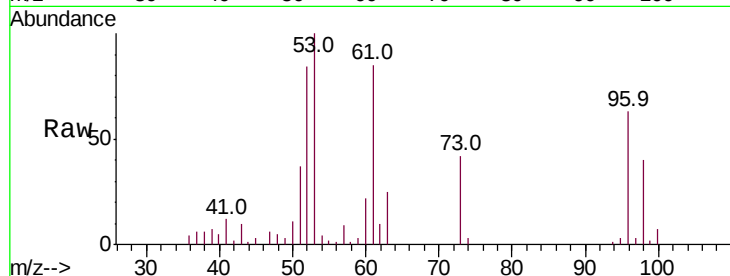
Tot Ion: 53 Resp: 140935

Ion Ratio Lower Upper

53 100

52 83.6 70.2 105.4

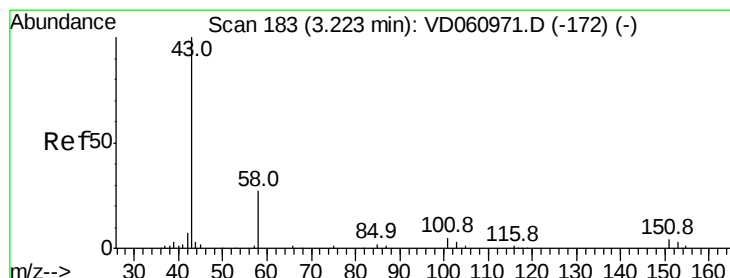
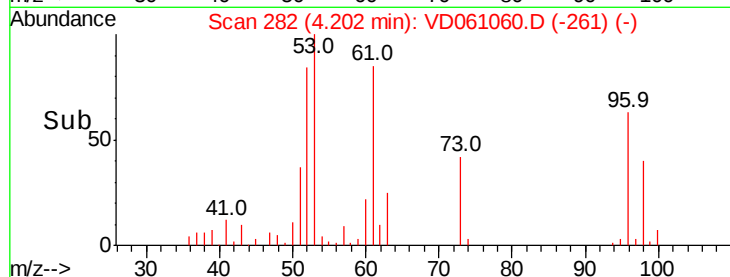
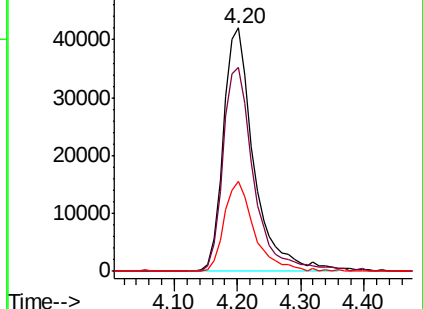
51 36.7 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.236 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061060.D

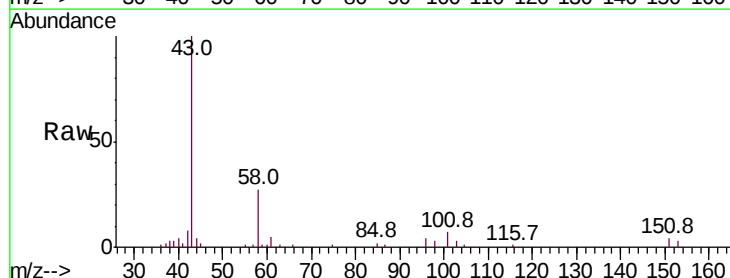
Acq: 14 Mar 2019 13:07

Tgt Ion: 43 Resp: 171430

Ion Ratio Lower Upper

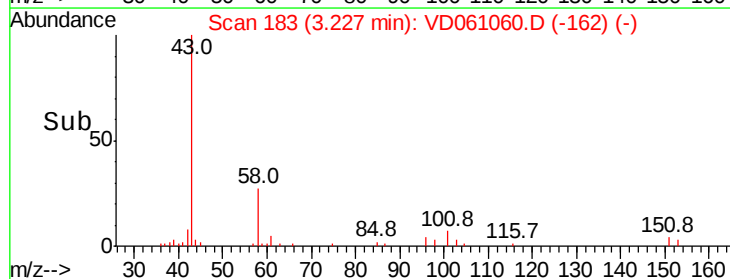
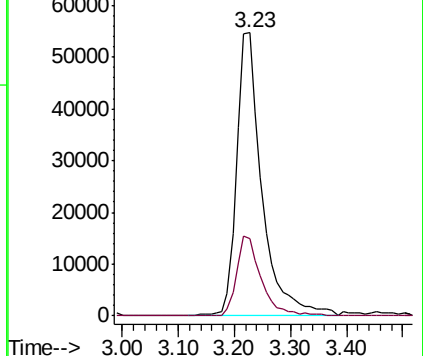
43 100

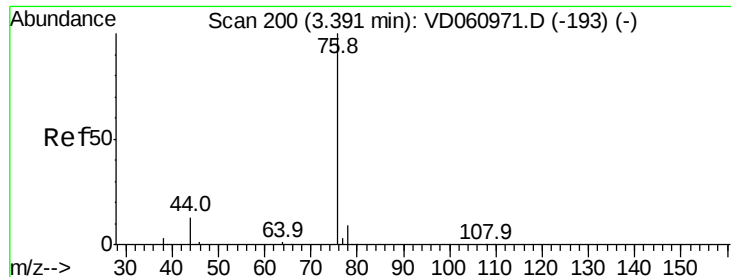
58 27.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.974 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

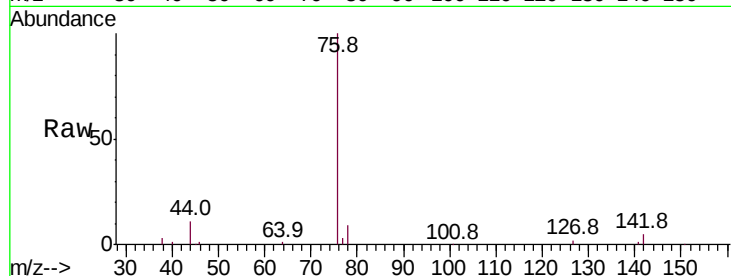
VD0314SBS01

Tot Ion: 76 Resp: 441716

Ion Ratio Lower Upper

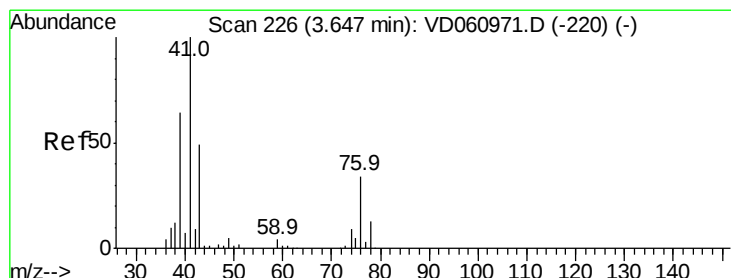
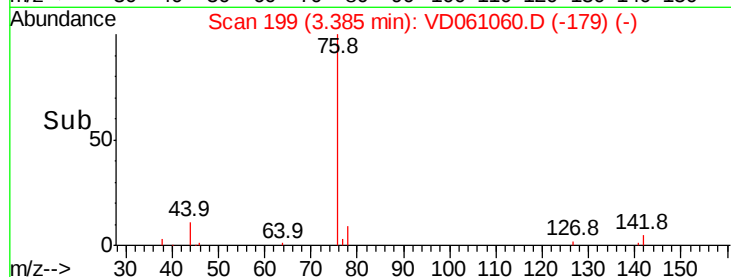
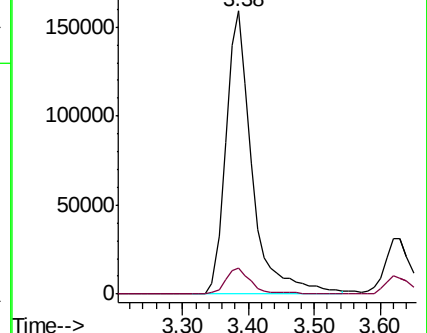
76 100

78 9.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.498 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061060.D

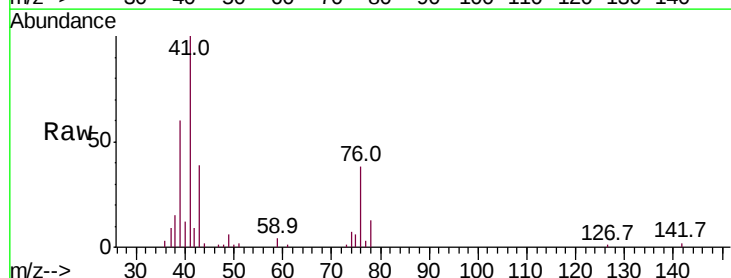
Acq: 14 Mar 2019 13:07

Tgt Ion: 43 Resp: 62889

Ion Ratio Lower Upper

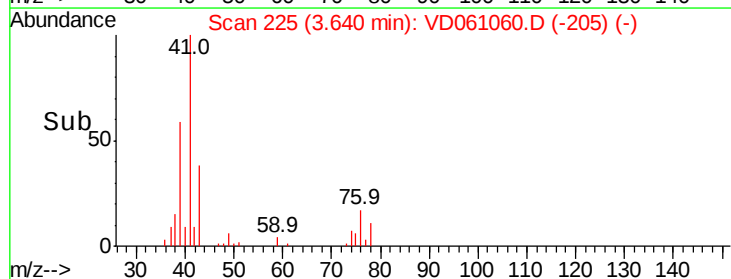
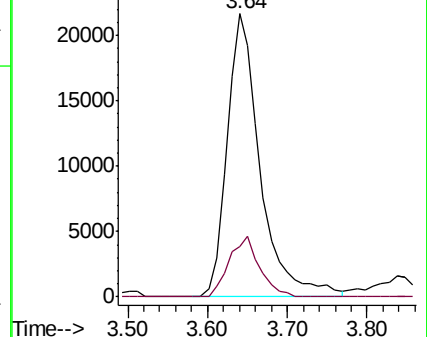
43 100

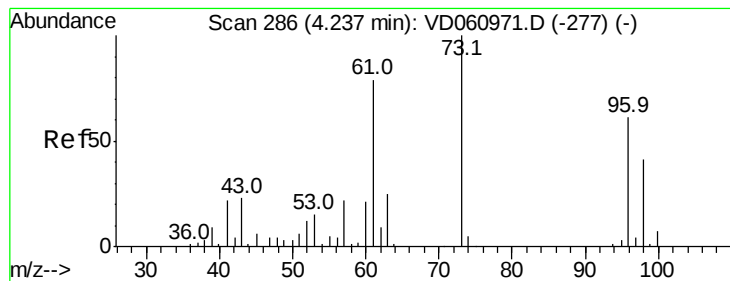
74 18.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



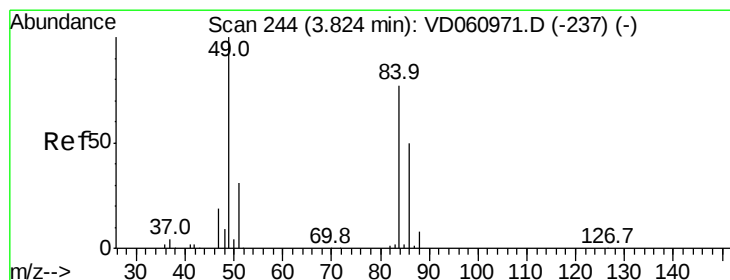
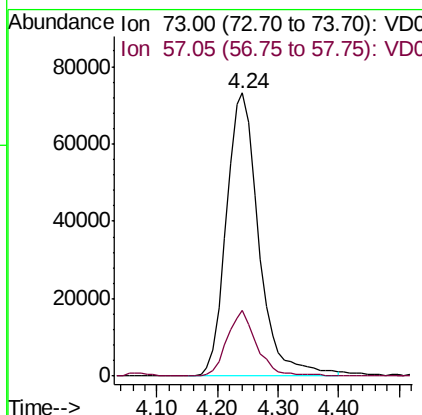
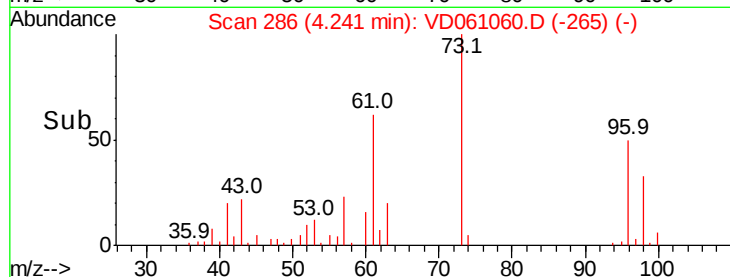
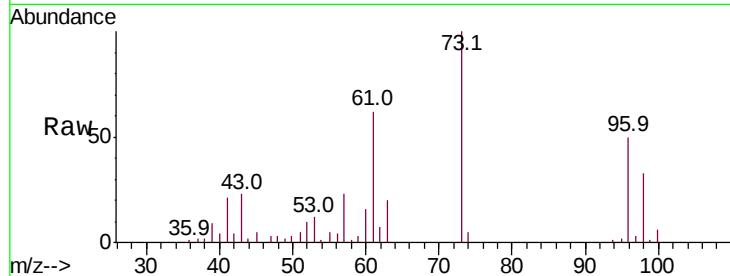


#19

Methyl tert-butyl Ether
 Concen: 21.386 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0314SBS01

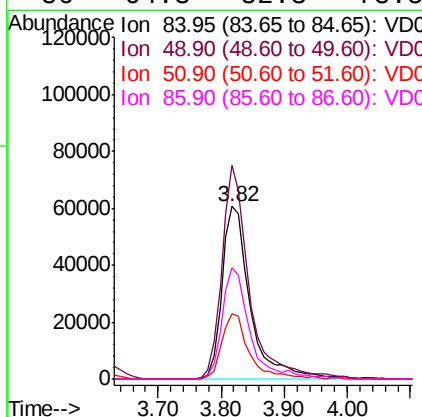
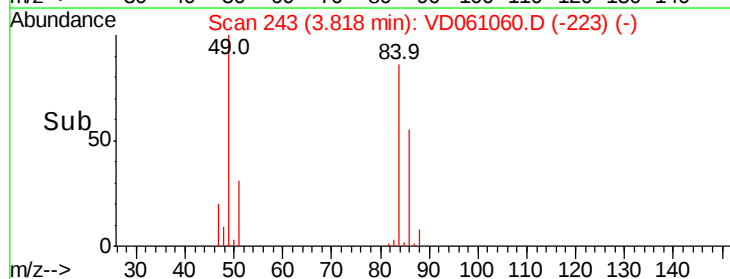
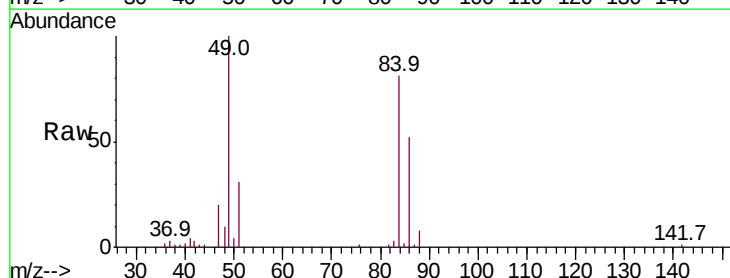
Tot Ion: 73 Resp: 273045
 Ion Ratio Lower Upper
 73 100
 57 23.1 17.7 26.5

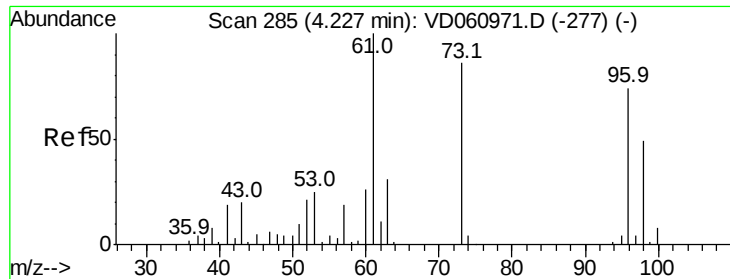


#20

Methylene Chloride
 Concen: 21.230 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion: 84 Resp: 188361
 Ion Ratio Lower Upper
 84 100
 49 123.8 104.2 156.2
 51 38.1 32.3 48.5
 86 64.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.814 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

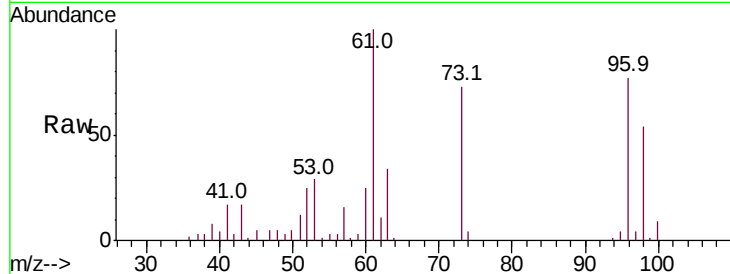
Tot Ion: 96 Resp: 172010

Ion Ratio Lower Upper

96 100

61 130.4 108.4 162.6

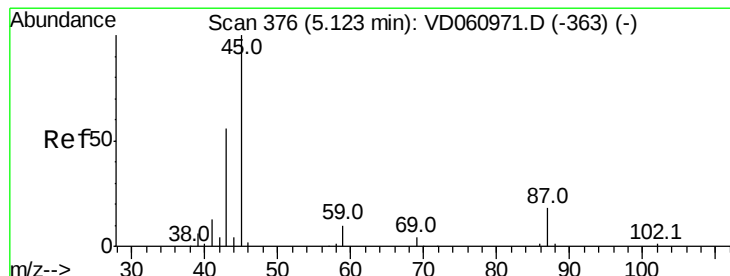
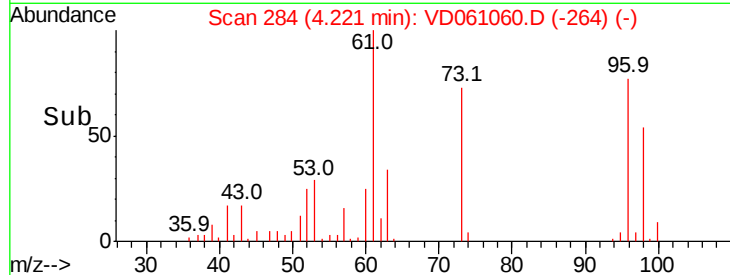
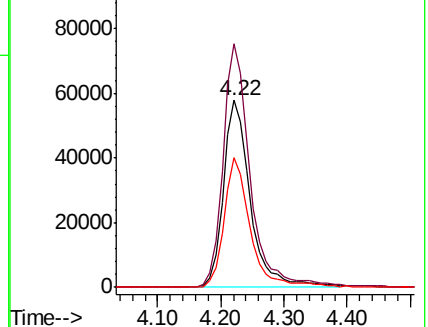
98 69.8 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.710 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Tgt Ion: 45 Resp: 501109

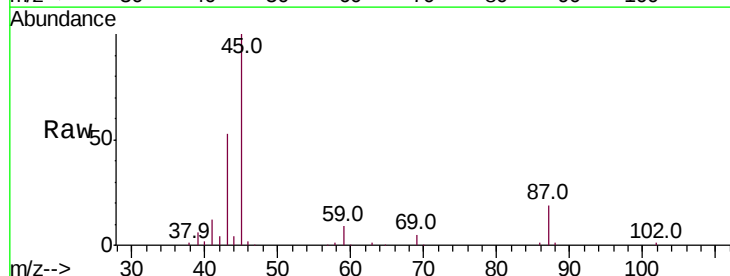
Ion Ratio Lower Upper

45 100

43 53.5 45.8 68.8

87 18.7 14.9 22.3

59 9.4 8.0 12.0

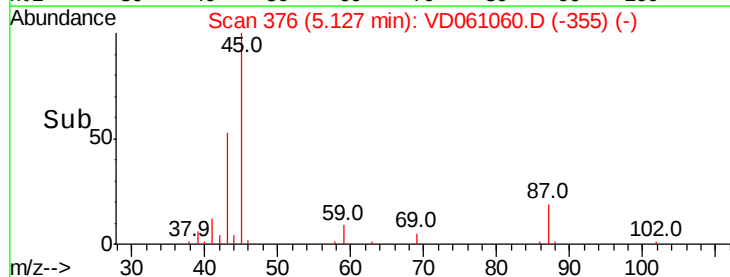
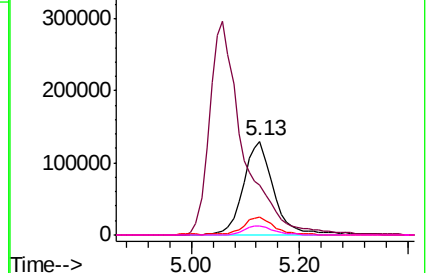


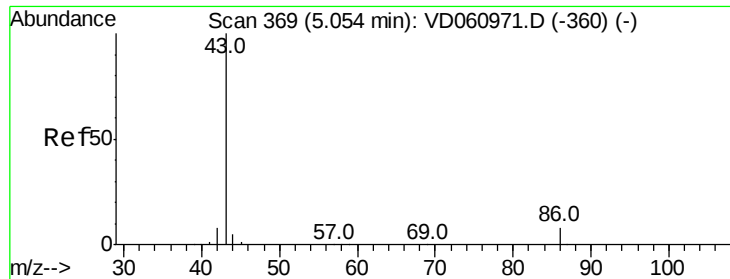
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 100.863 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

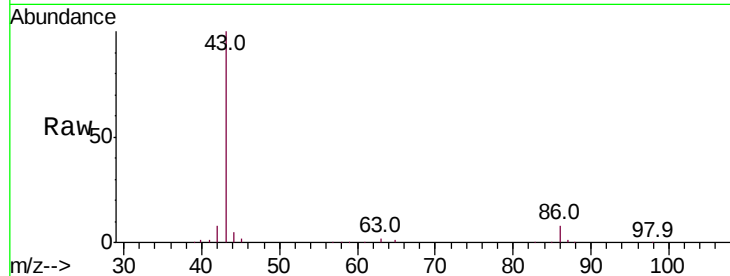
VD0314SBS01

Tot Ion: 43 Resp: 1252858

Ion Ratio Lower Upper

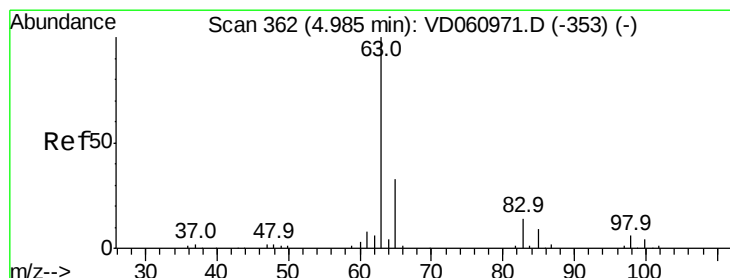
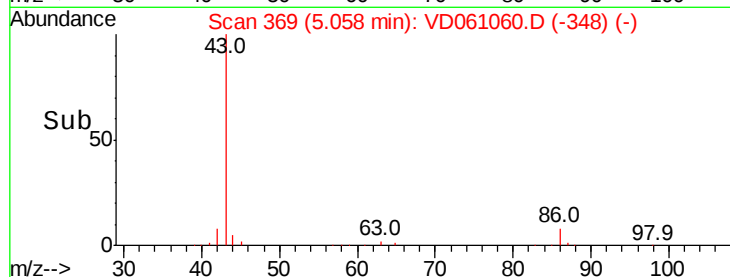
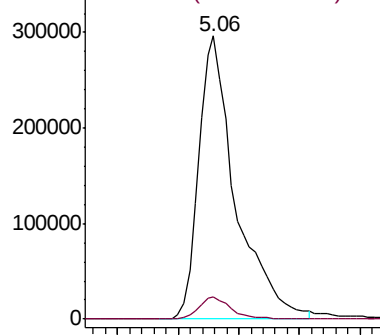
43 100

86 8.0 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.545 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

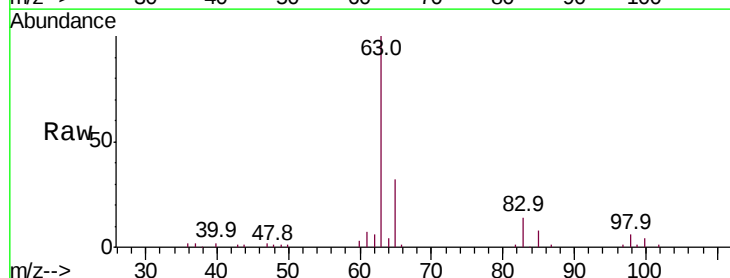
Tgt Ion: 63 Resp: 272375

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

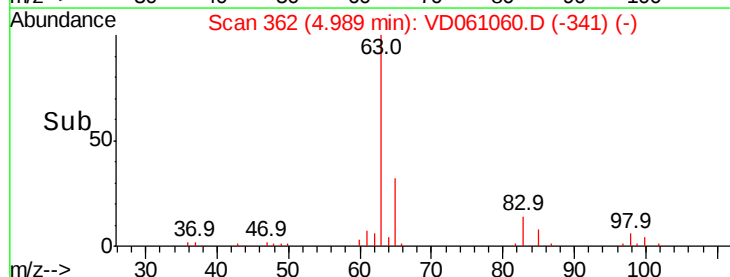
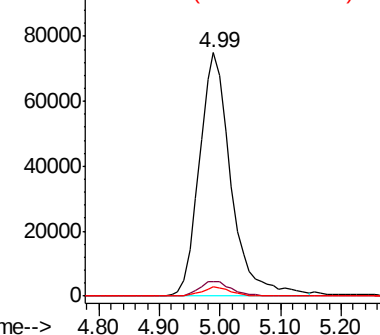
100 3.8 2.0 5.8

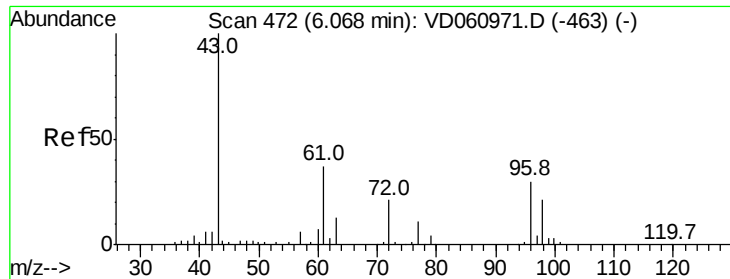


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.315 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

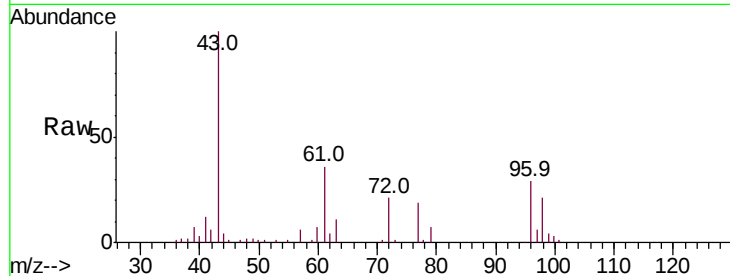
VD0314SBS01

Tot Ion: 43 Resp: 200561

Ion Ratio Lower Upper

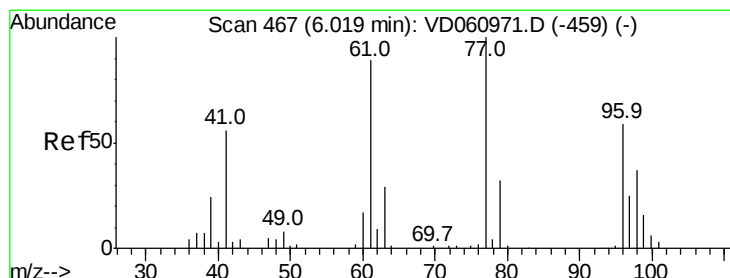
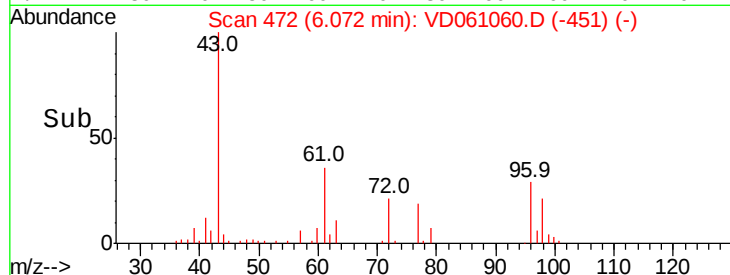
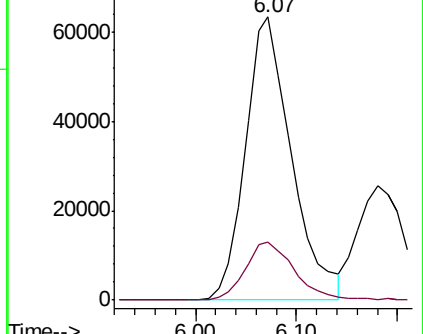
43 100

72 20.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.509 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061060.D

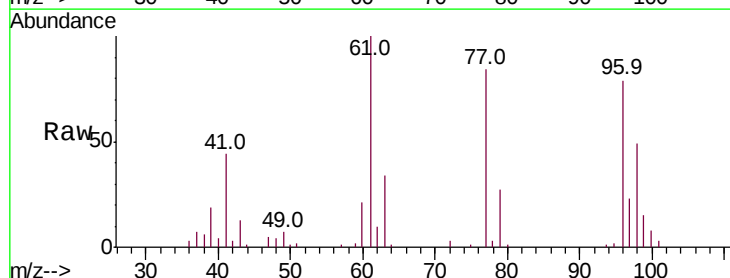
Acq: 14 Mar 2019 13:07

Tgt Ion: 77 Resp: 212258

Ion Ratio Lower Upper

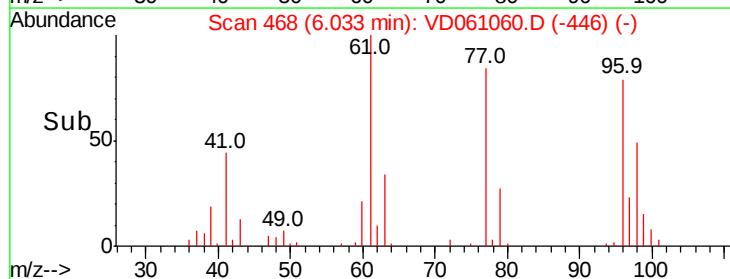
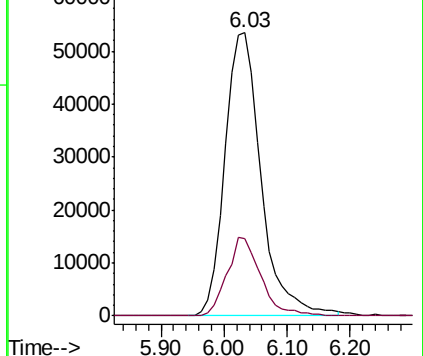
77 100

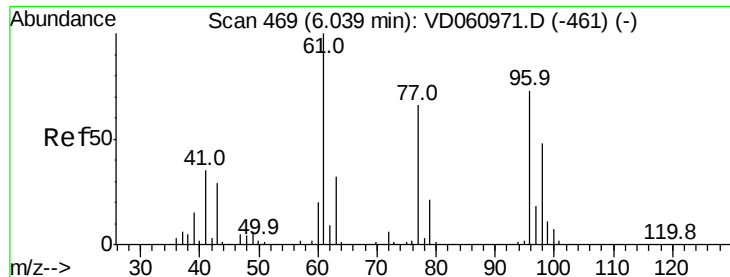
97 27.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



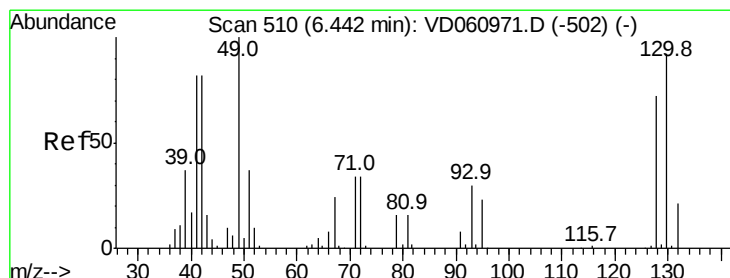
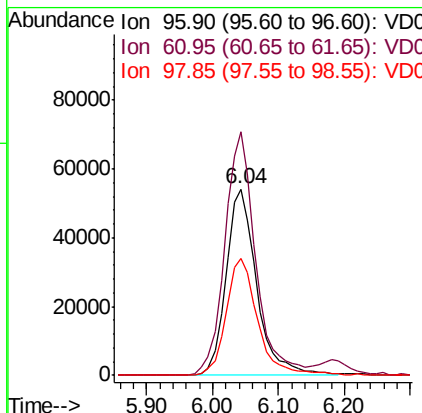
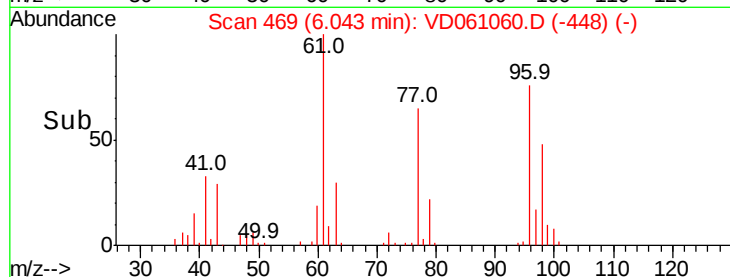
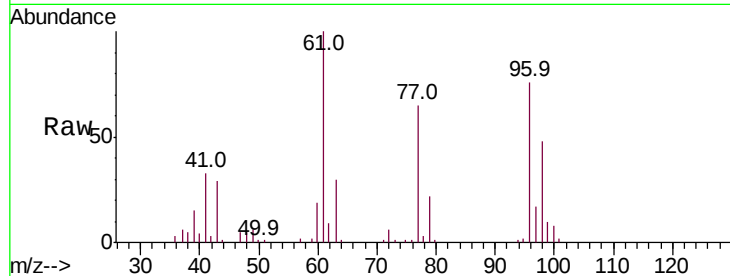


#27

cis-1,2-Dichloroethene
Concen: 21.026 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

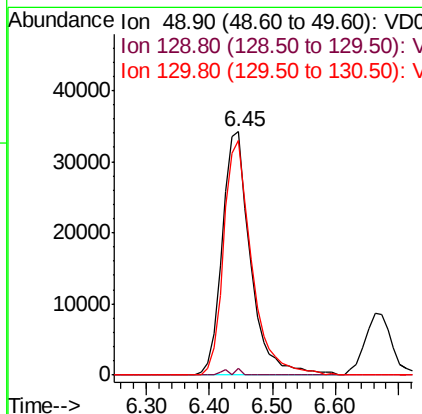
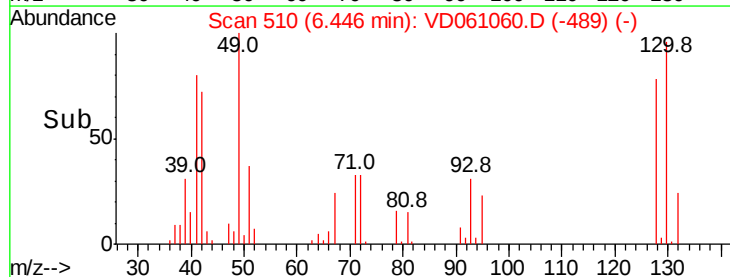
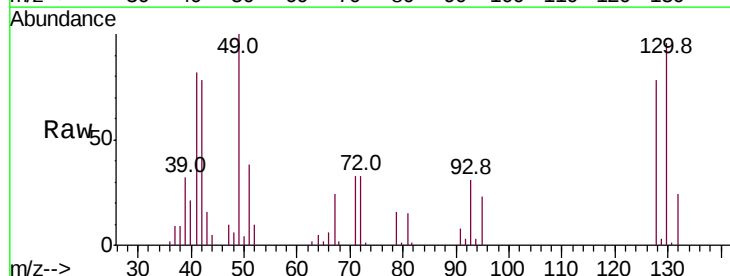
Tot Ion: 96 Resp: 175904
Ion Ratio Lower Upper
96 100
61 130.8 0.0 273.6
98 62.5 0.0 132.6

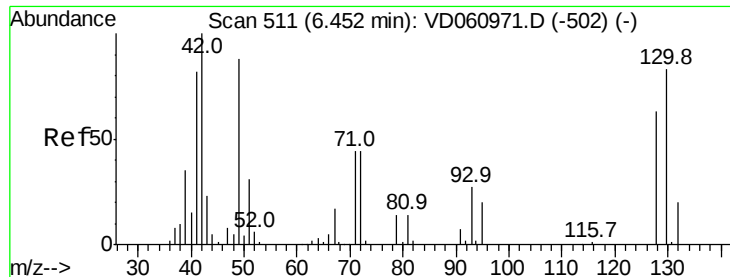


#28

Bromochloromethane
Concen: 19.020 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 49 Resp: 106748
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.0
130 96.1 73.8 110.8





#29

Tetrahydrofuran

Concen: 96.764 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

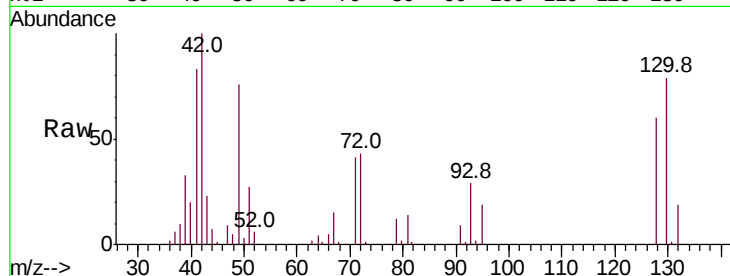
Tot Ion: 42 Resp: 102996

Ion Ratio Lower Upper

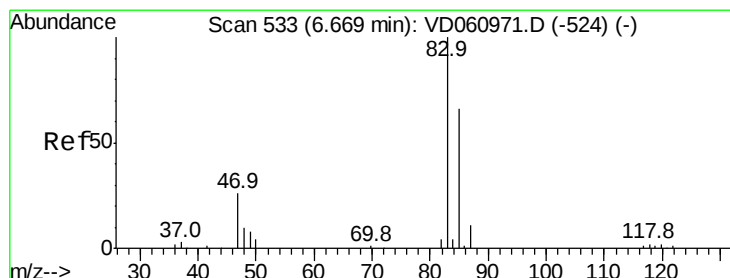
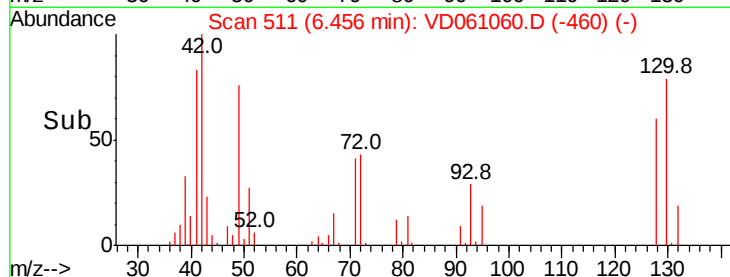
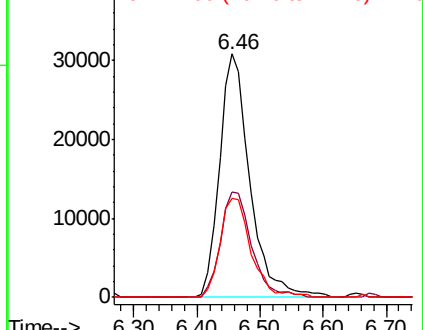
42 100

72 44.0 34.5 51.7

71 41.6 33.8 50.6



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: 21.164 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061060.D

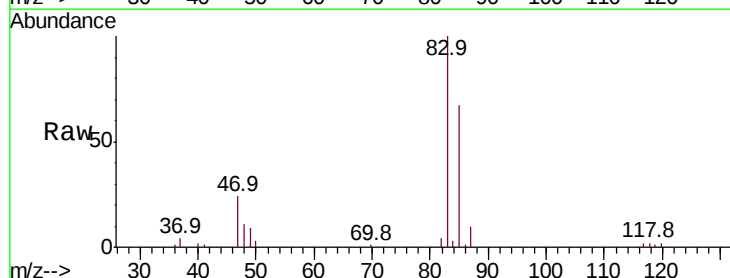
Acq: 14 Mar 2019 13:07

Tgt Ion: 83 Resp: 290802

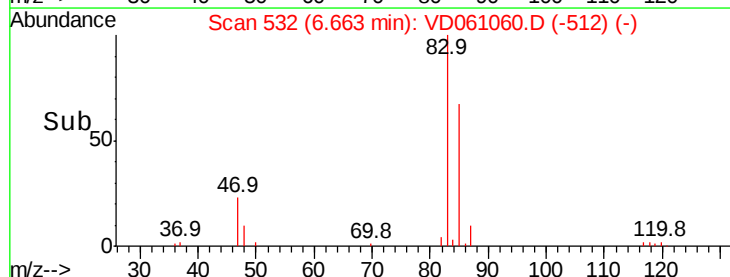
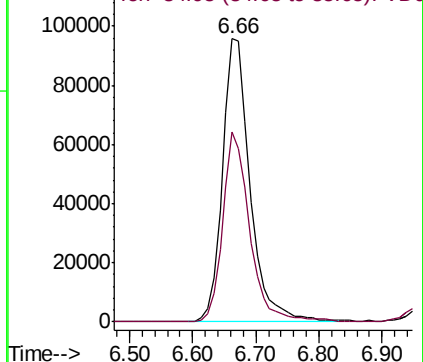
Ion Ratio Lower Upper

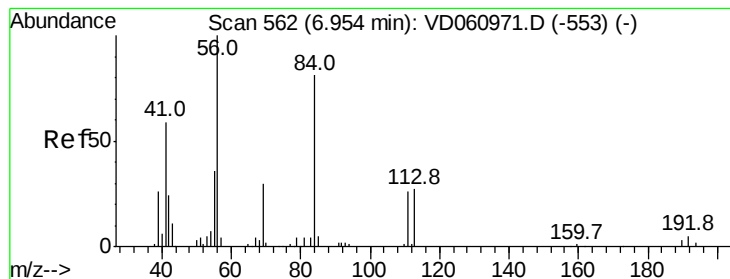
83 100

85 67.1 53.0 79.4



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





#31

Cyclohexane

Concen: 21.788 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

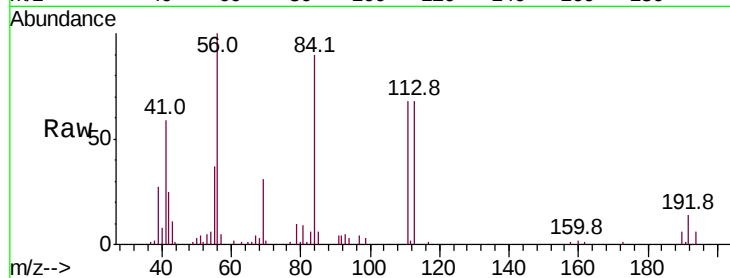
Tot Ion: 56 Resp: 232913

Ion Ratio Lower Upper

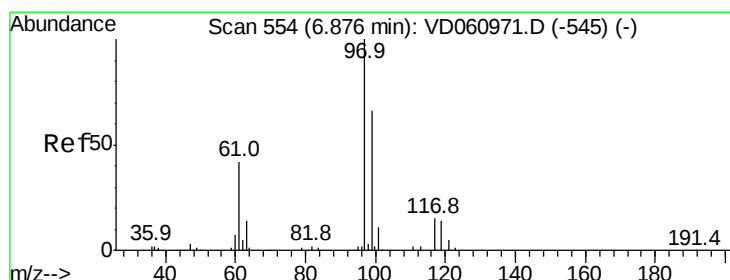
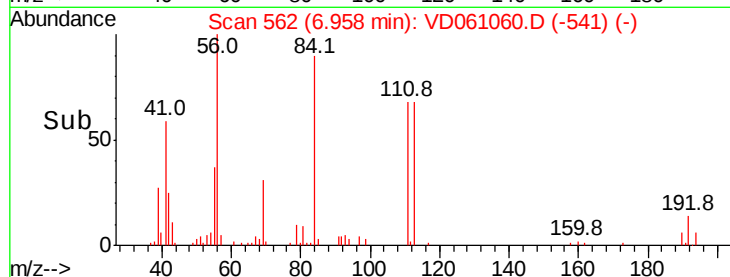
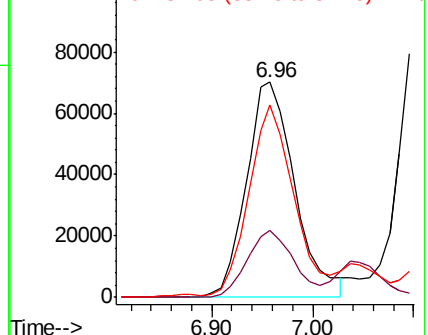
56 100

69 31.3 24.0 36.0

84 89.7 65.8 98.6



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



#32

1,1,1-Trichloroethane

Concen: 19.674 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

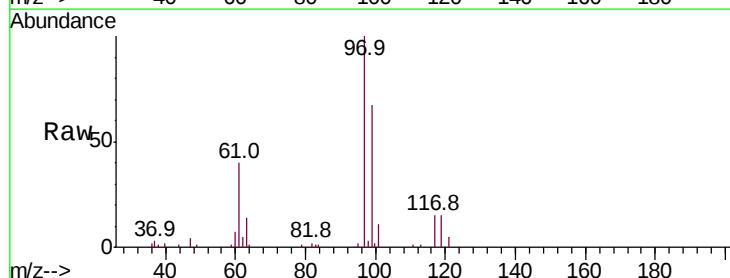
Tgt Ion: 97 Resp: 233711

Ion Ratio Lower Upper

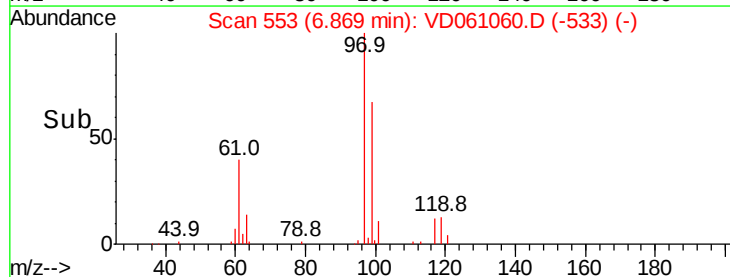
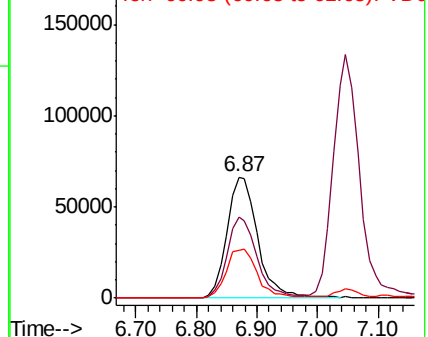
97 100

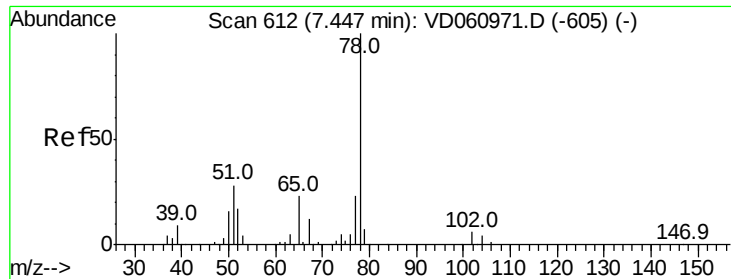
99 66.6 53.2 79.8

61 39.6 33.8 50.8



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

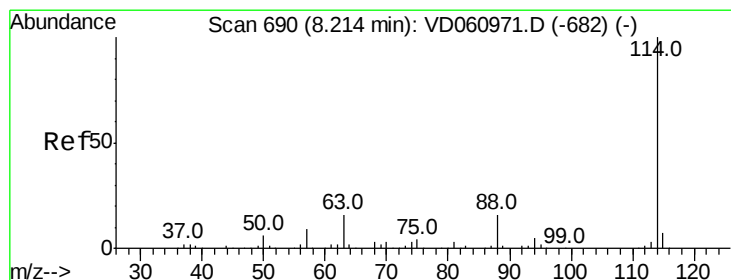
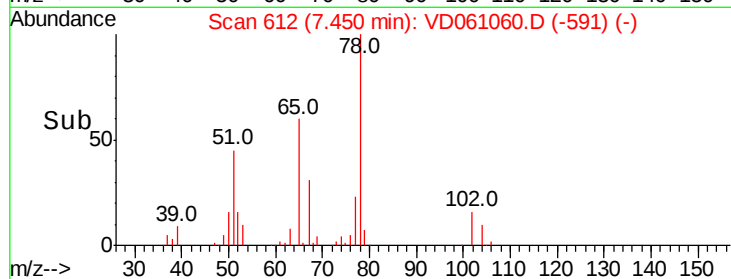
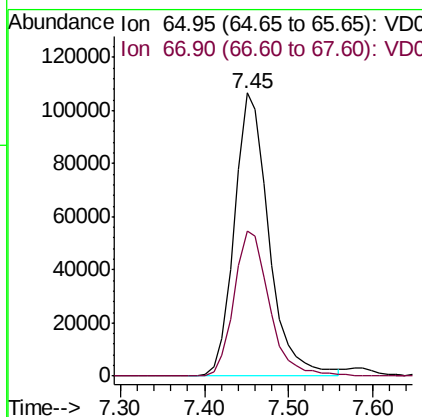
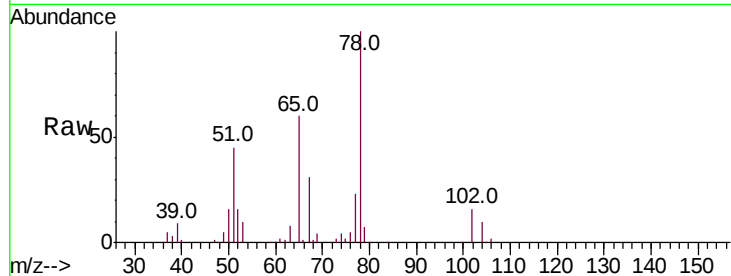




#33
 1,2-Dichloroethane-d4
 Concen: 19.674 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

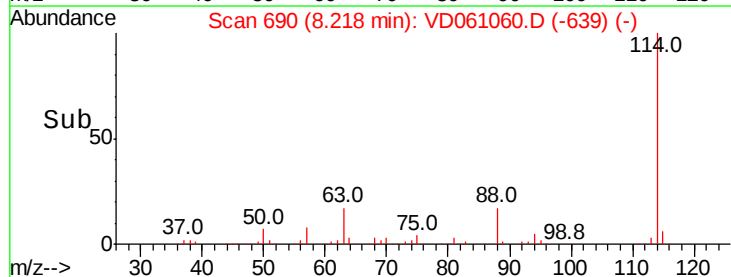
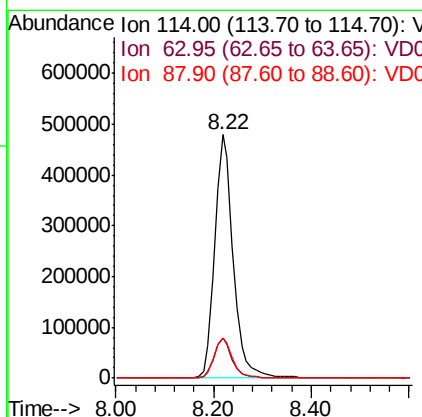
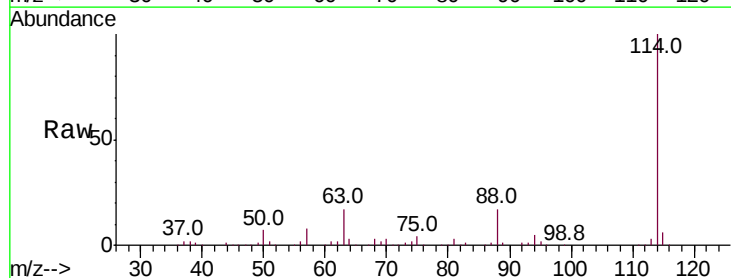
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

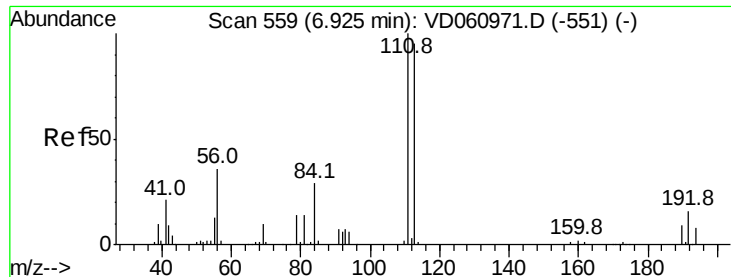
Tot Ion: 65 Resp: 303565
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion: 114 Resp: 1267327
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.4
 88 16.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

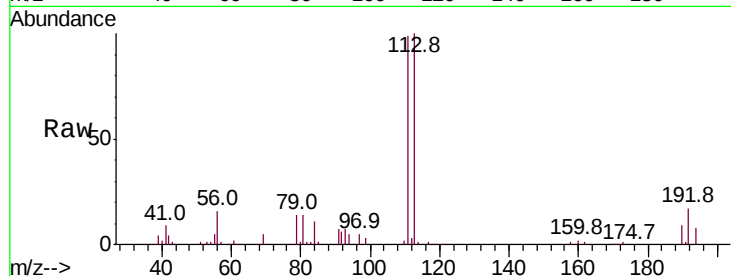
Tot Ion:113 Resp: 500635

Ion Ratio Lower Upper

113 100

111 99.5 84.2 126.4

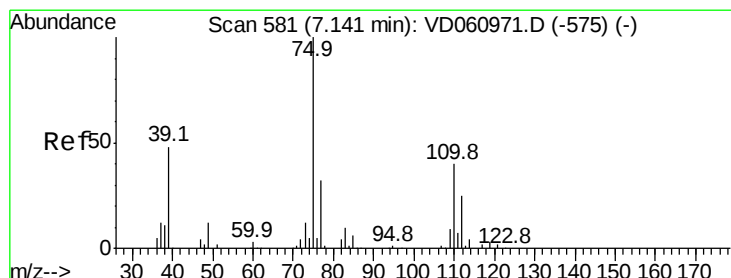
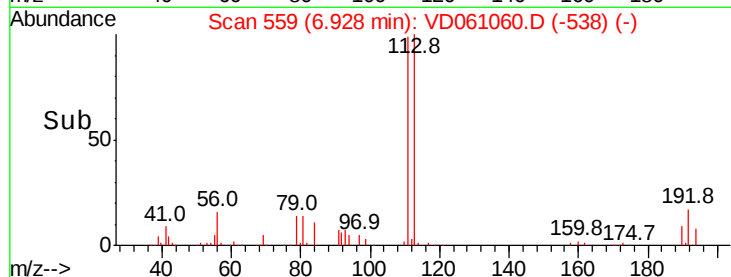
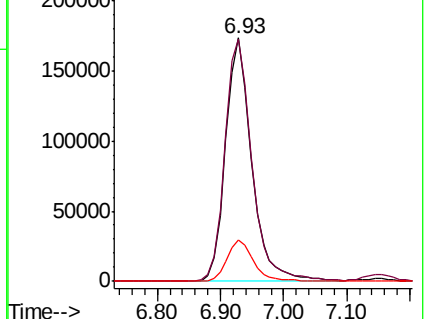
192 16.7 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.659 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

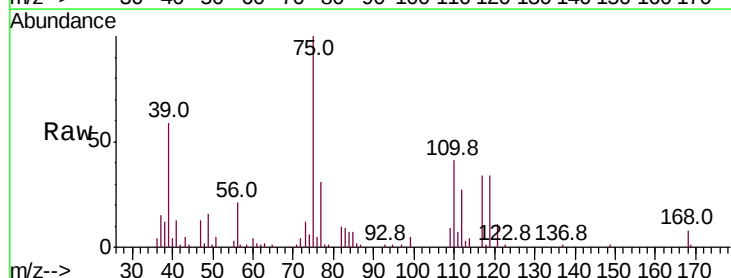
Tgt Ion: 75 Resp: 214760

Ion Ratio Lower Upper

75 100

110 41.2 19.7 59.1

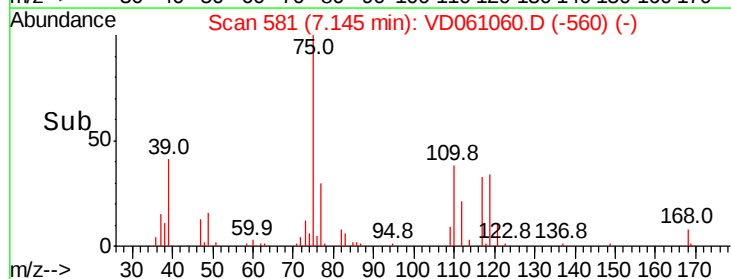
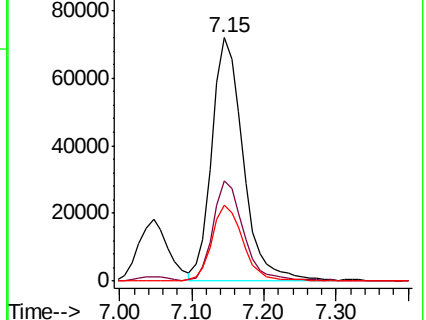
77 31.3 24.7 37.1

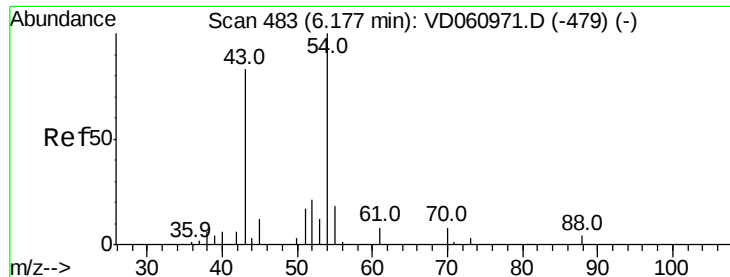


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

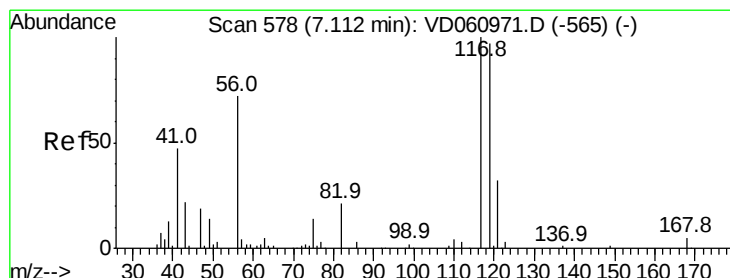
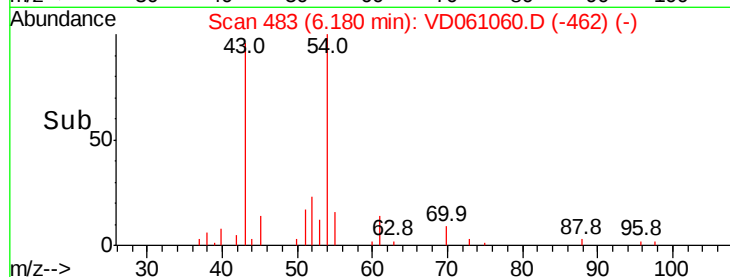
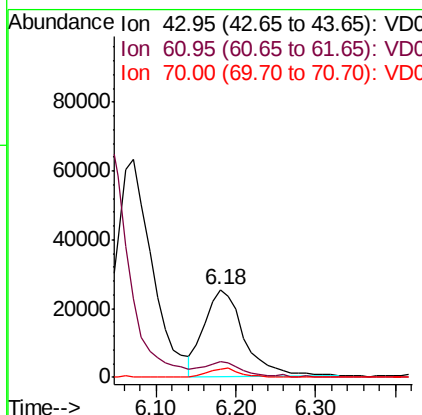
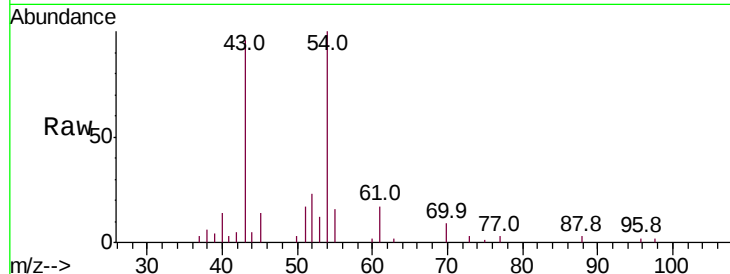




#37
Ethyl Acetate
Concen: 17.143 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

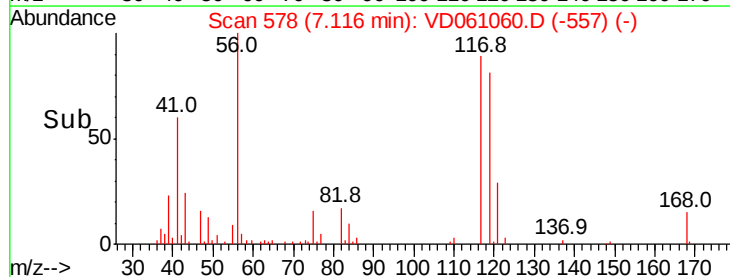
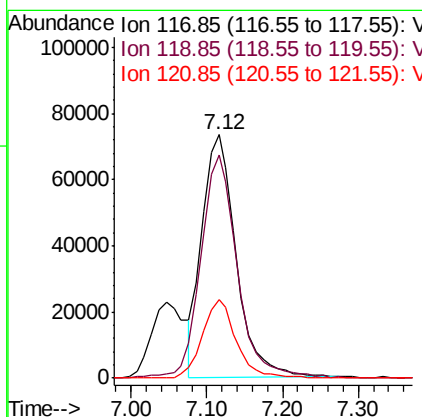
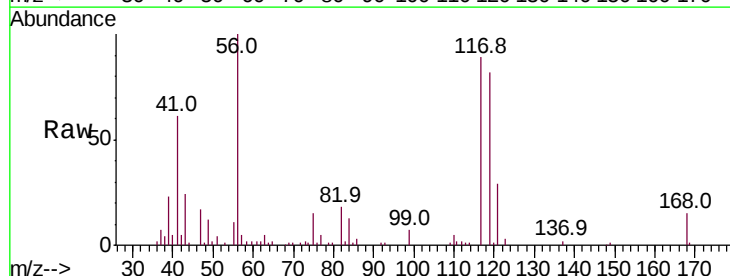
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

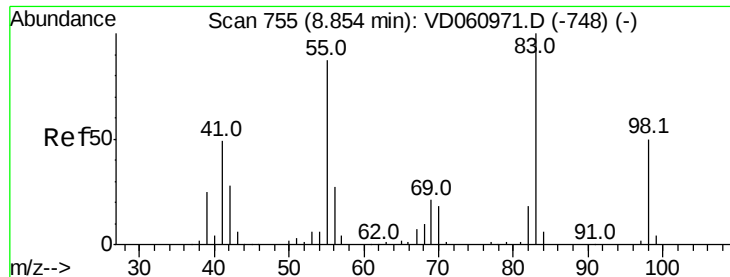
Tot Ion: 43 Resp: 87879
Ion Ratio Lower Upper
43 100
61 17.3 13.7 20.5
70 9.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.131 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 117 Resp: 230215
Ion Ratio Lower Upper
117 100
119 91.8 77.8 116.8
121 32.1 25.3 37.9

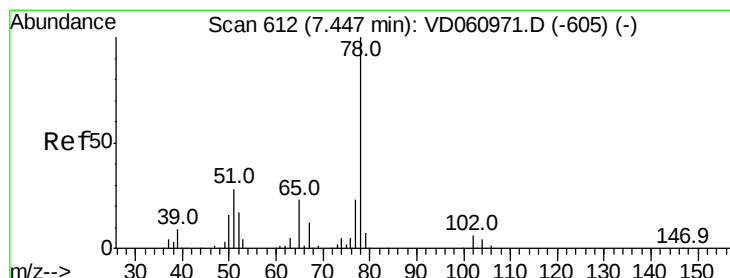
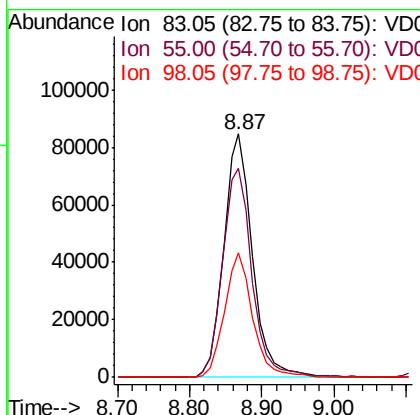
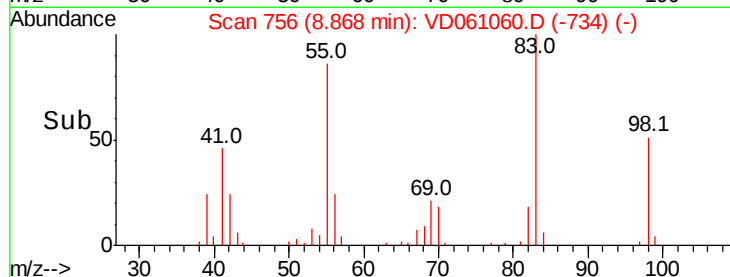
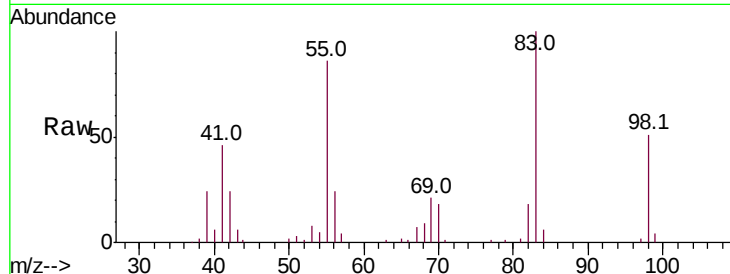




#39
Methvlcvclohexane
Concen: 20.474 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

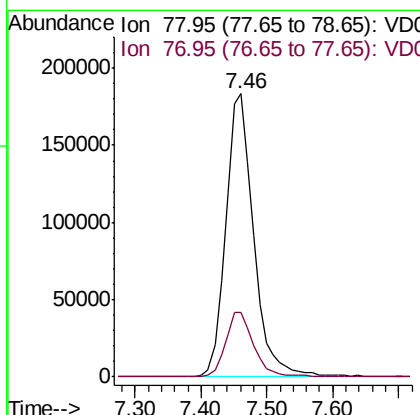
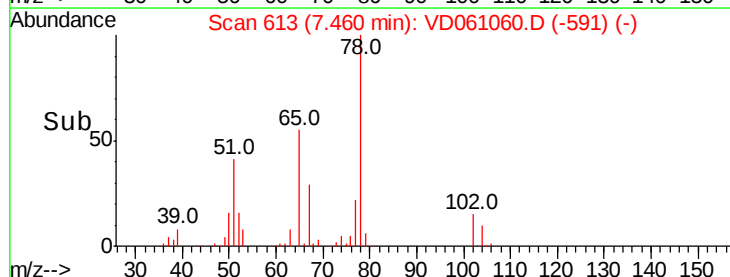
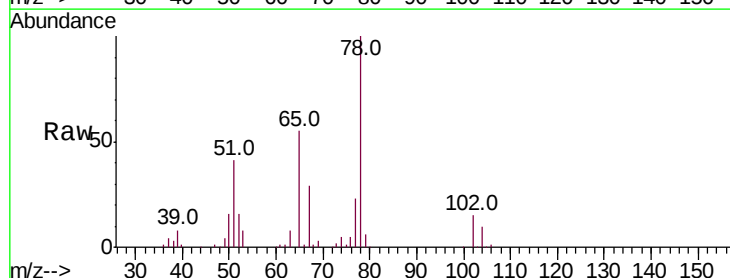
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

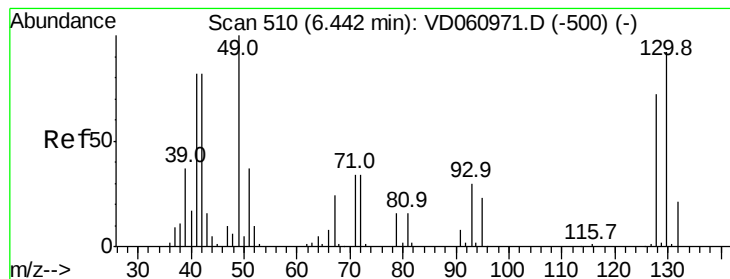
Tot Ion: 83 Resp: 231922
Ion Ratio Lower Upper
83 100
55 85.8 69.6 104.4
98 51.3 40.0 60.0



#40
Benzene
Concen: 19.867 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 78 Resp: 542296
Ion Ratio Lower Upper
78 100
77 22.6 18.8 28.2





#41

Methacrylonitrile

Concen: 18.766 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

Tot Ion: 41 Resp: 110652

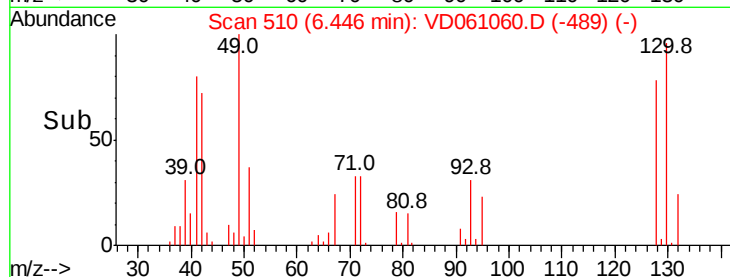
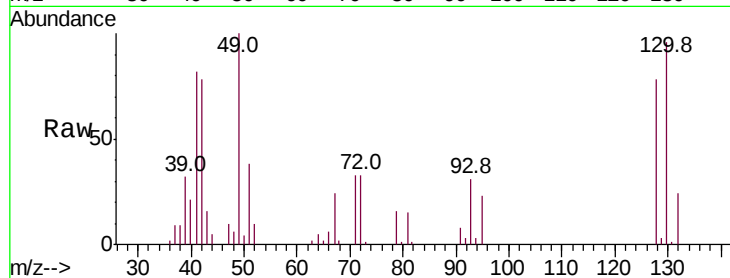
Ion Ratio Lower Upper

41 100

39 39.3 35.7 53.5

67 29.2 23.0 34.6

52 12.1 9.2 13.8

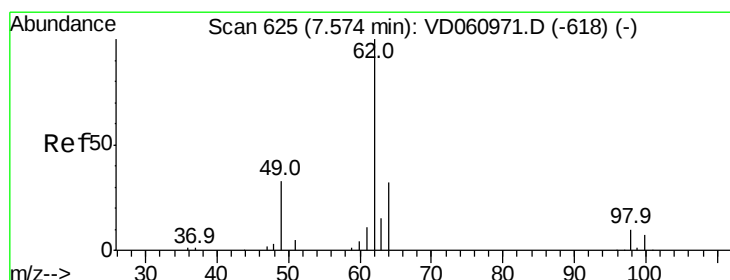
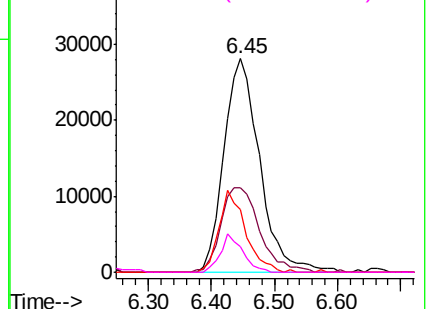


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.399 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061060.D

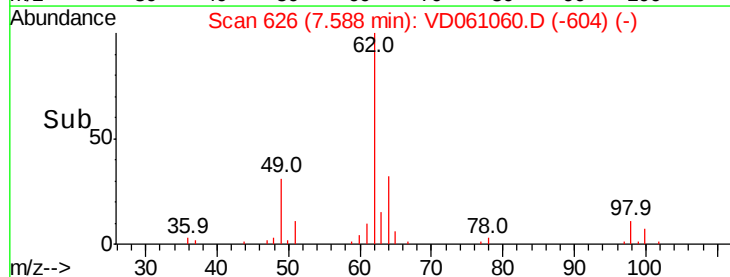
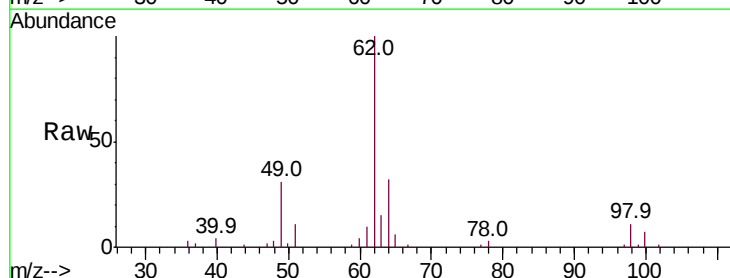
Acq: 14 Mar 2019 13:07

Tgt Ion: 62 Resp: 145748

Ion Ratio Lower Upper

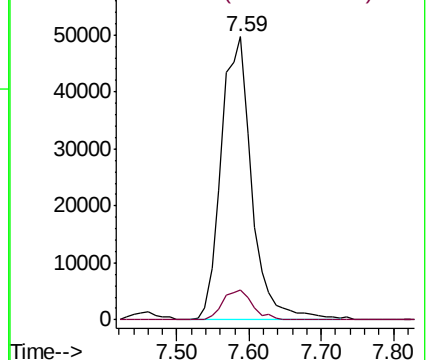
62 100

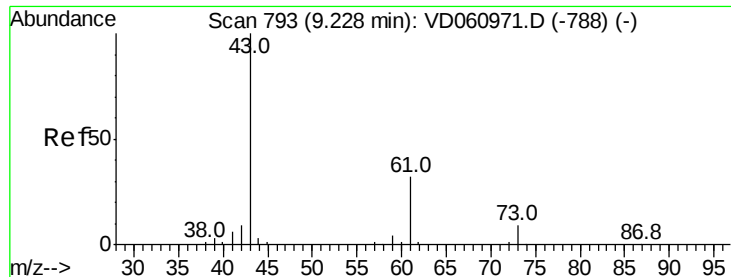
98 10.5 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 17.577 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

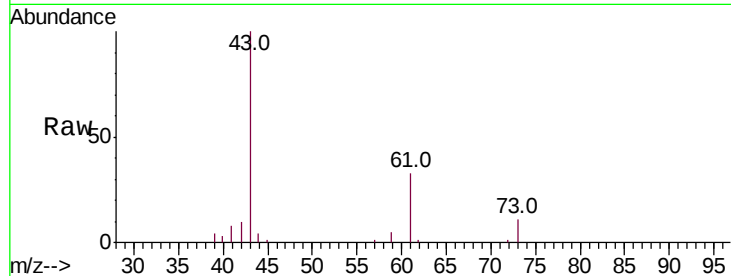
Tot Ion: 43 Resp: 124801

Ion Ratio Lower Upper

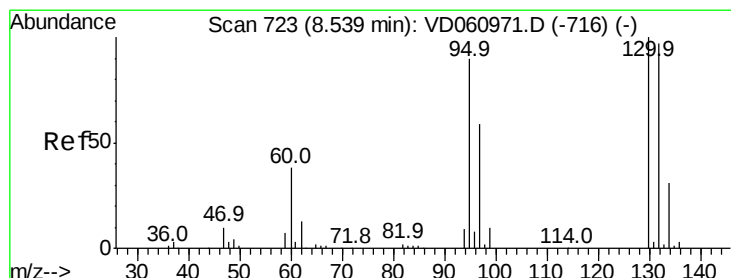
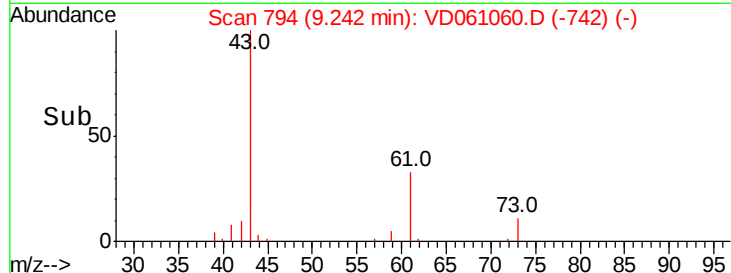
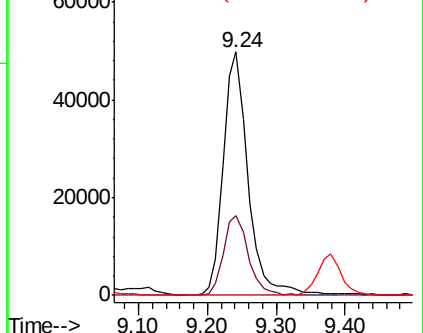
43 100

61 33.0 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: 20.020 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD061060.D

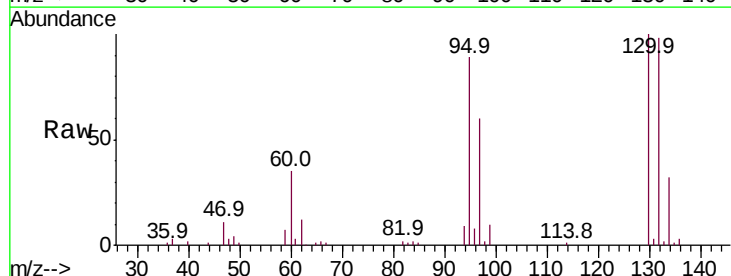
Acq: 14 Mar 2019 13:07

Tgt Ion:130 Resp: 188537

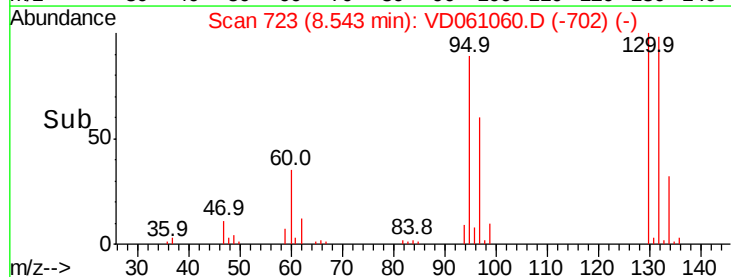
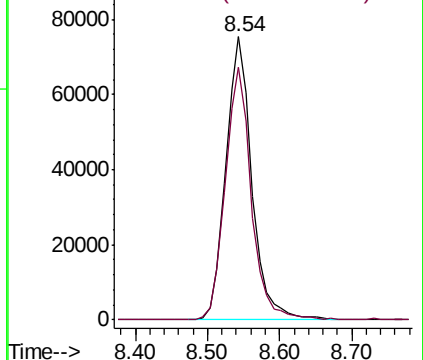
Ion Ratio Lower Upper

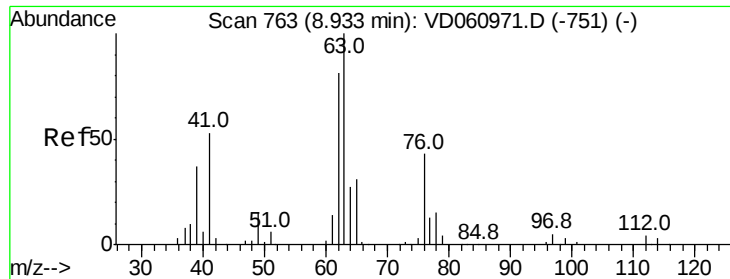
130 100

95 89.1 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.096 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

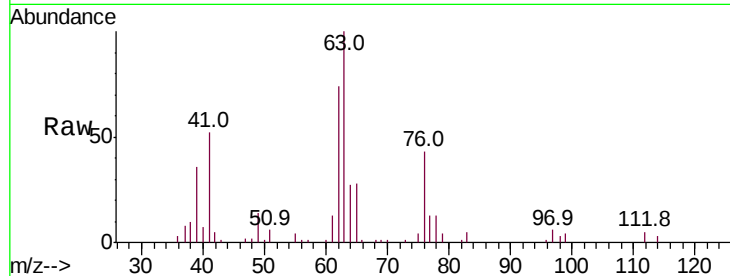
VD0314SBS01

Tot Ion: 63 Resp: 144120

Ion Ratio Lower Upper

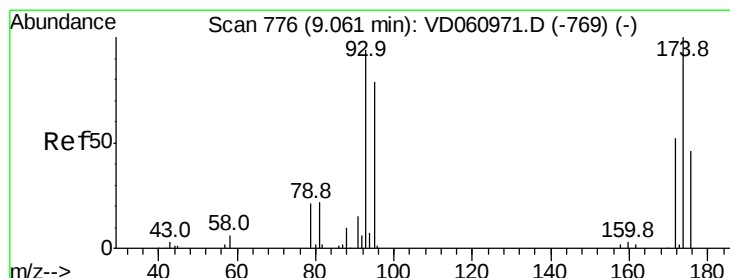
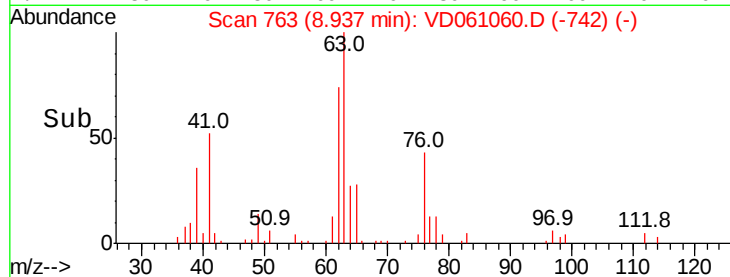
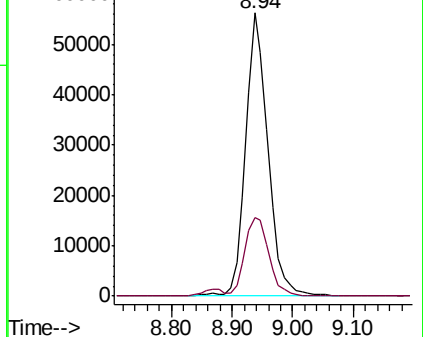
63 100

65 27.8 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.180 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

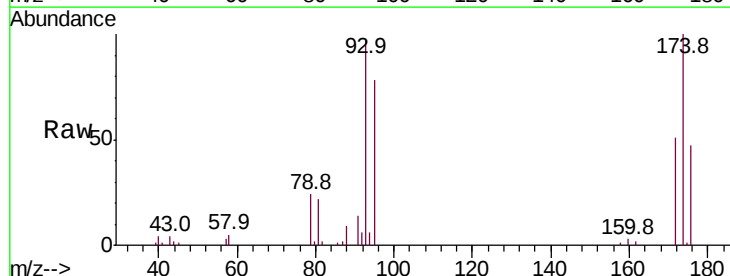
Tgt Ion: 93 Resp: 87249

Ion Ratio Lower Upper

93 100

95 80.2 67.4 101.0

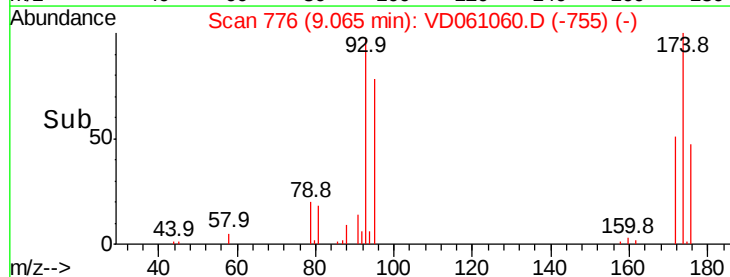
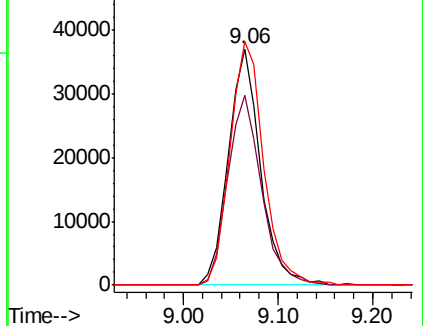
174 103.0 85.4 128.0

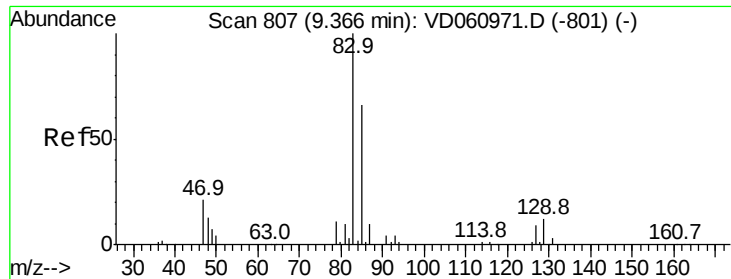


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.573 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

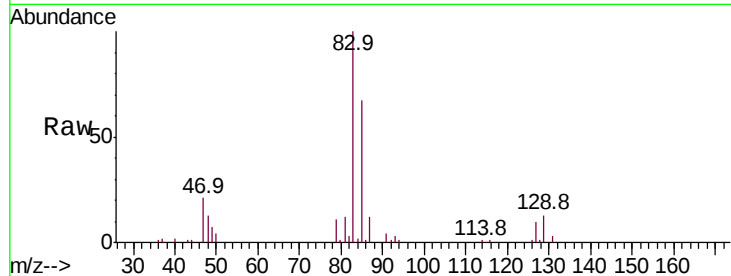
Tot Ion: 83 Resp: 190659

Ion Ratio Lower Upper

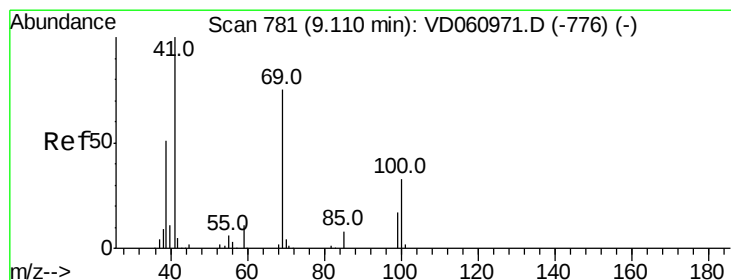
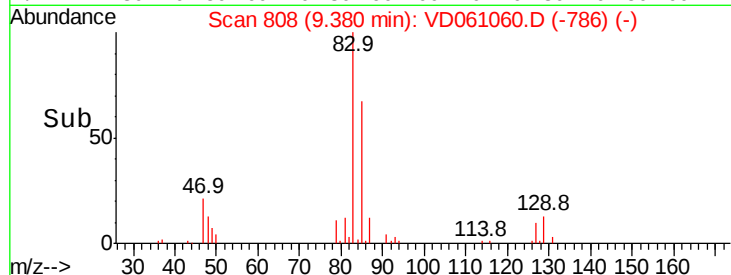
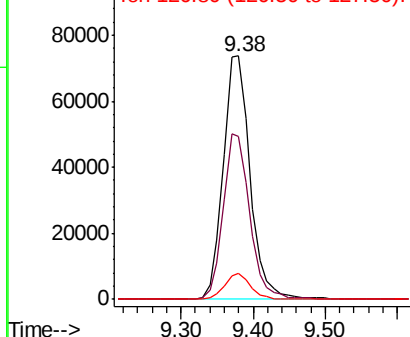
83 100

85 66.8 52.5 78.7

127 10.4 7.5 11.3



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: 17.224 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

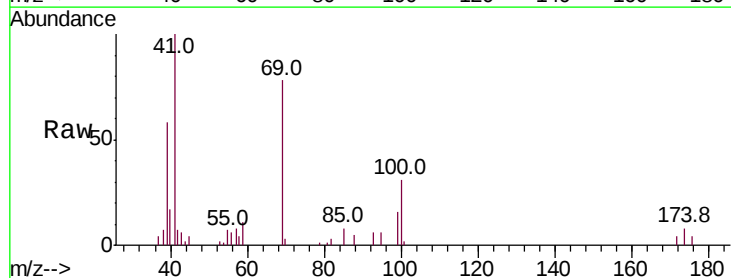
Tgt Ion: 41 Resp: 68855

Ion Ratio Lower Upper

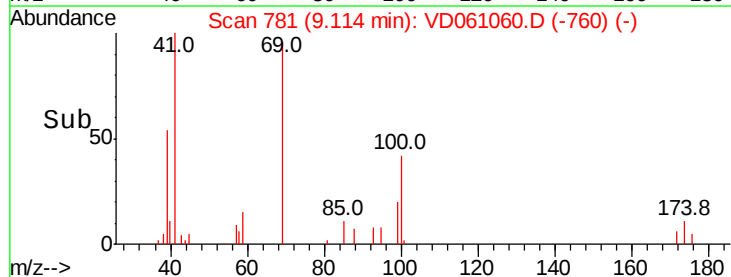
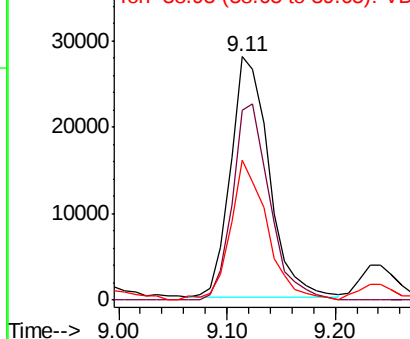
41 100

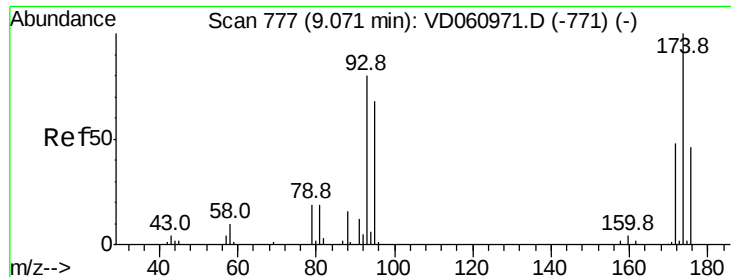
69 78.2 59.9 89.9

39 57.7 40.9 61.3



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

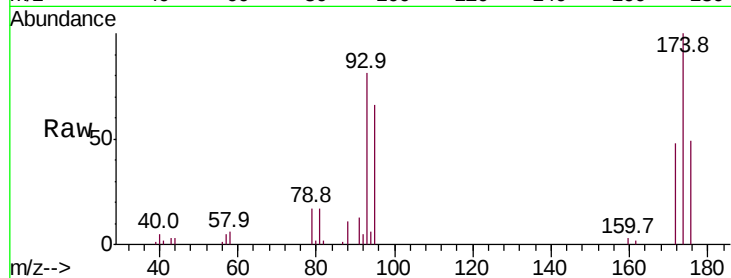




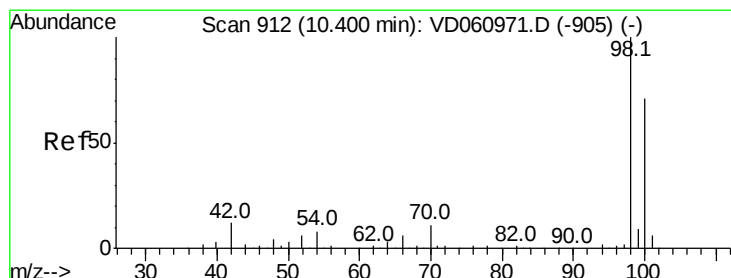
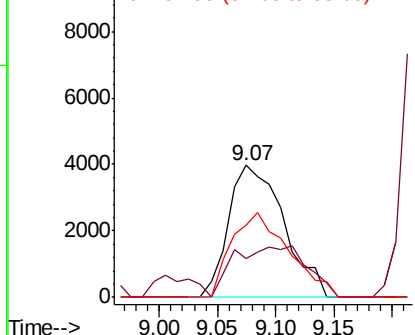
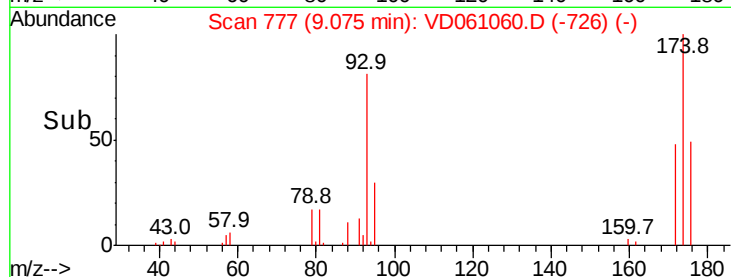
#49
 1,4-Dioxane
 Concen: 321.720 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Tot Ion: 88 Resp: 13005
 Ion Ratio Lower Upper
 88 100
 43 29.0 21.0 31.6
 58 55.0 48.6 72.8

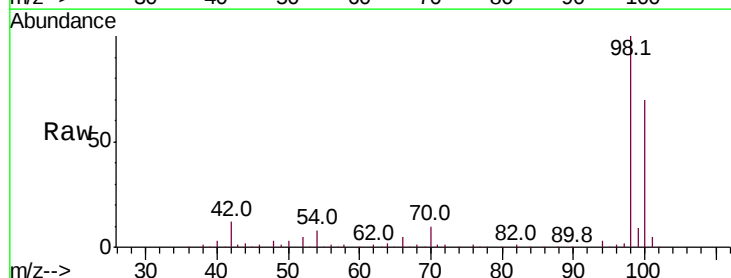


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

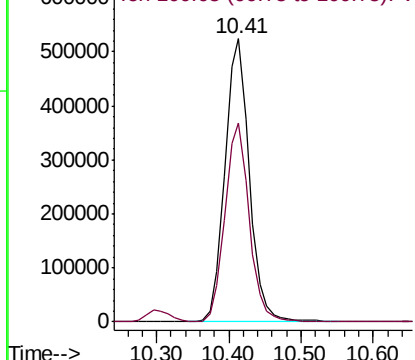
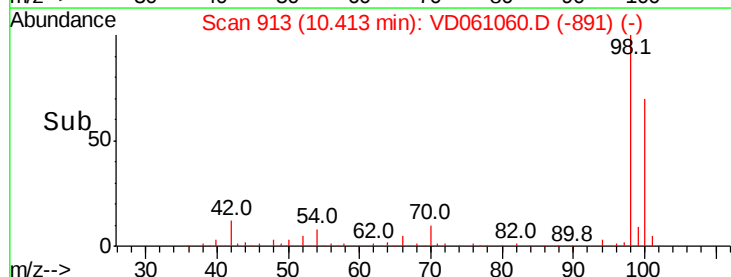


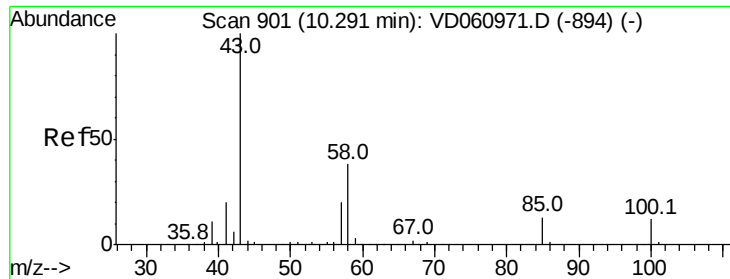
#50
 Toluene-d8
 Concen: 321.720 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion: 98 Resp: 1226480
 Ion Ratio Lower Upper
 98 100
 100 70.3 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 95.989 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

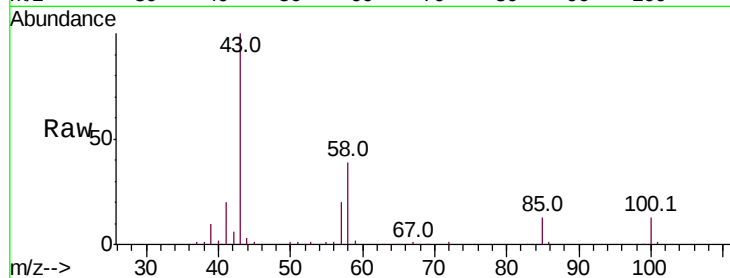
VD0314SBS01

Tot Ion: 43 Resp: 417527

Ion Ratio Lower Upper

43 100

58 39.5 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

200000

150000

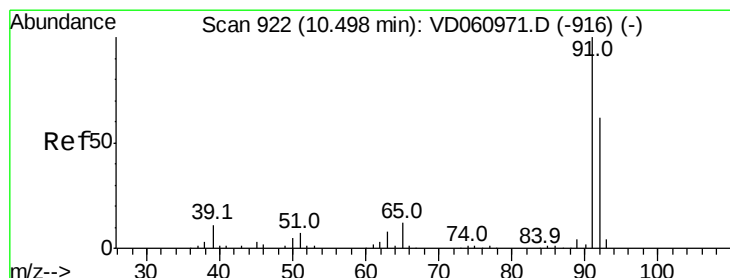
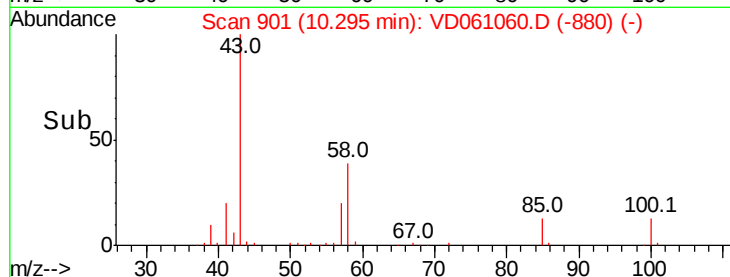
100000

50000

0

10.20 10.30 10.40 10.50

Time-->



#52

Toluene

Concen: 20.080 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061060.D

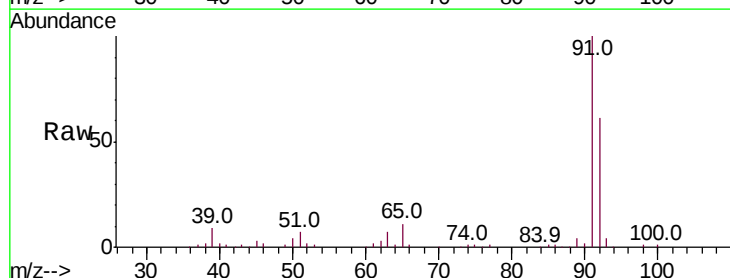
Acq: 14 Mar 2019 13:07

Tgt Ion: 92 Resp: 340849

Ion Ratio Lower Upper

92 100

91 163.0 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

150000

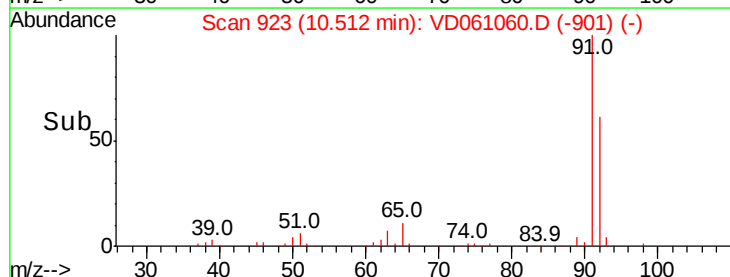
100000

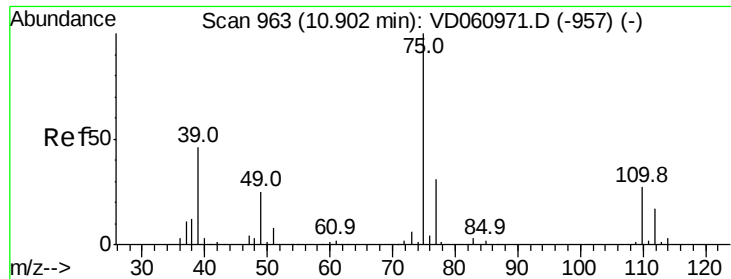
50000

0

10.40 10.50 10.60 10.70

Time-->

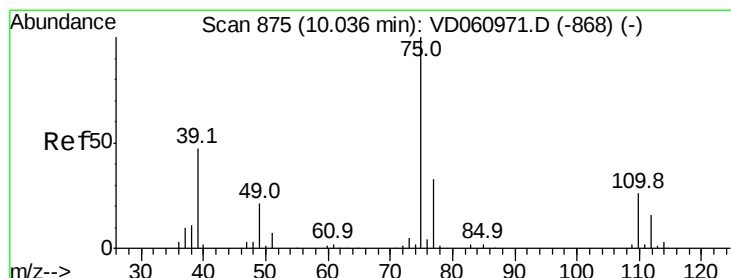
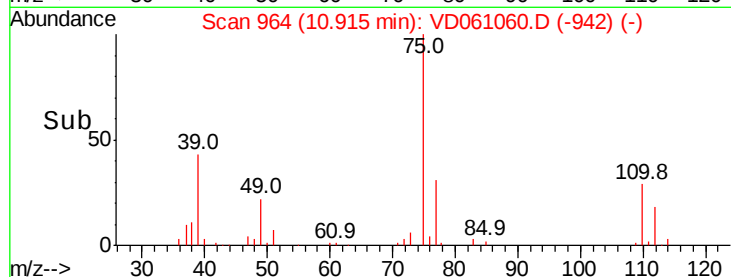
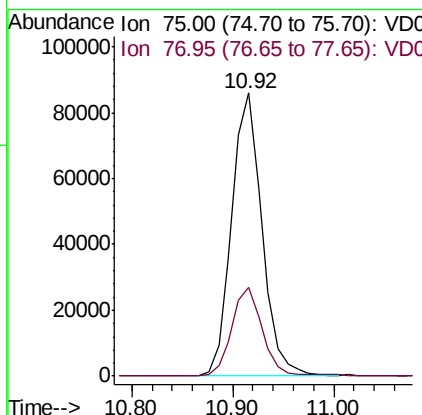
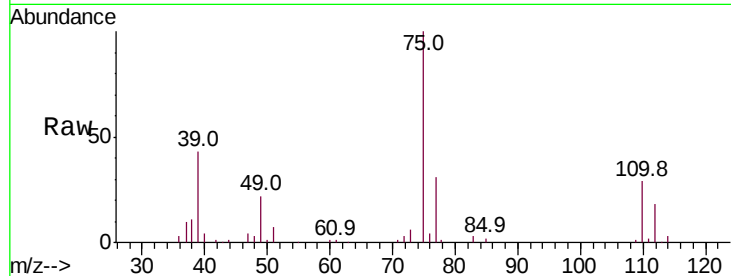




#53
 t-1,3-Dichloropropene
 Concen: 19.065 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

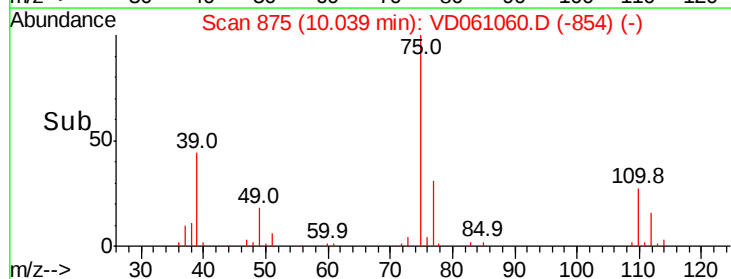
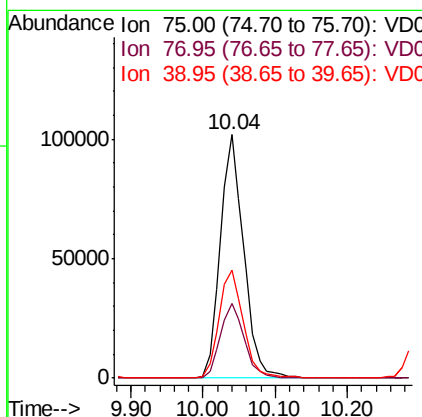
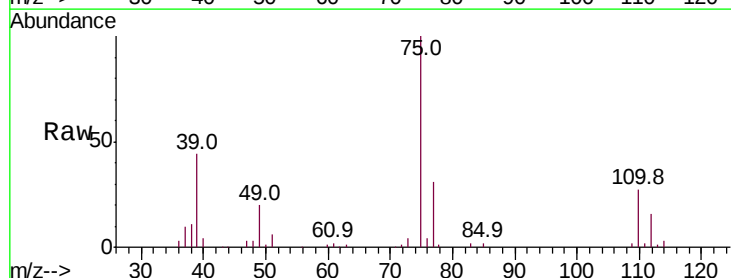
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

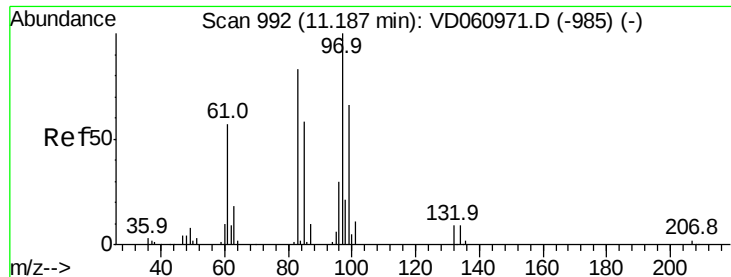
Tot Ion: 75 Resp: 178950
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.188 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion: 75 Resp: 227682
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.2 39.4
 39 44.1 37.8 56.8



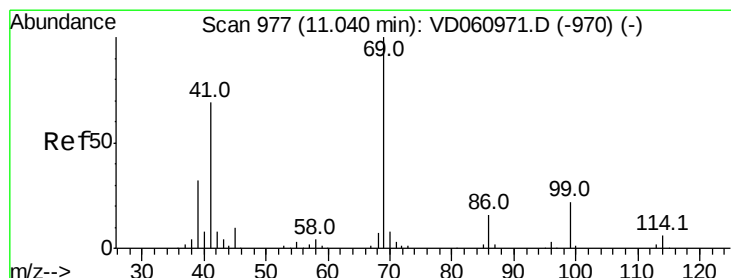
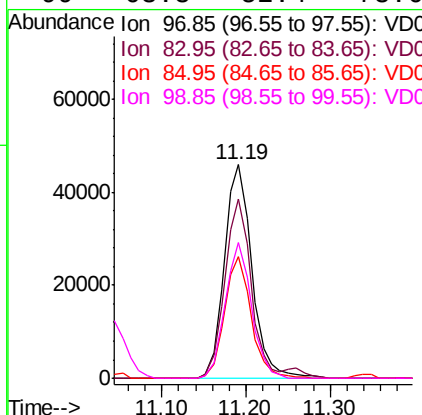
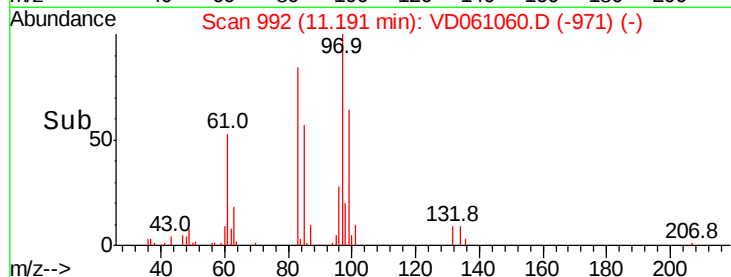
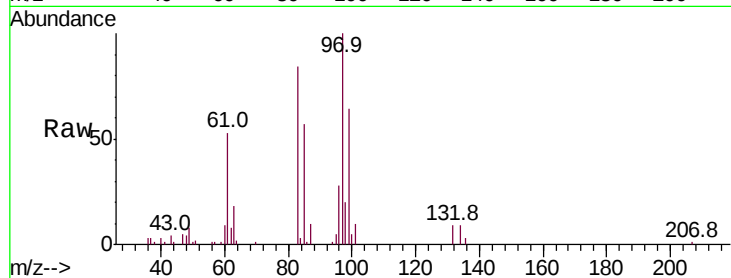


#55
 1,1,2-Trichloroethane
 Concen: 18.459 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Tot Ion: 97 Resp: 104345

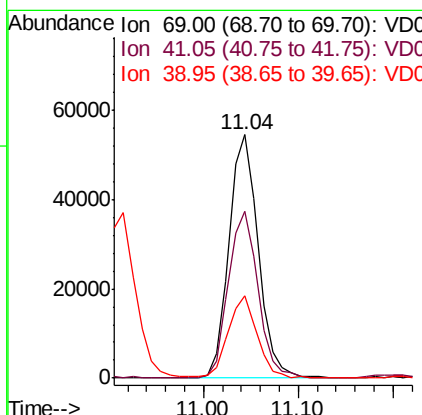
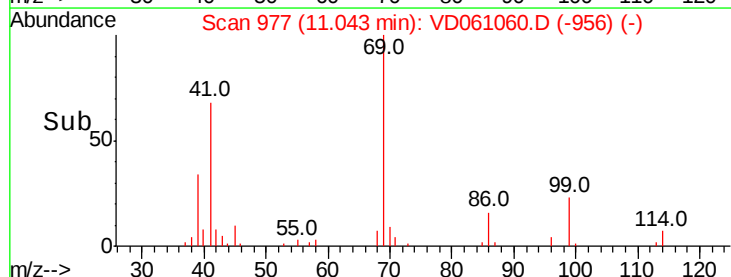
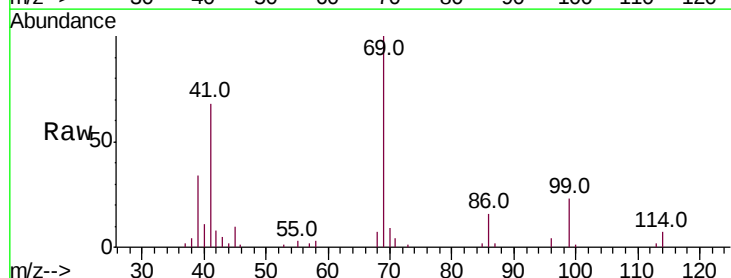
Ion	Ratio	Lower	Upper
97	100		
83	84.2	66.6	100.0
85	57.2	46.4	69.6
99	63.8	52.4	78.6

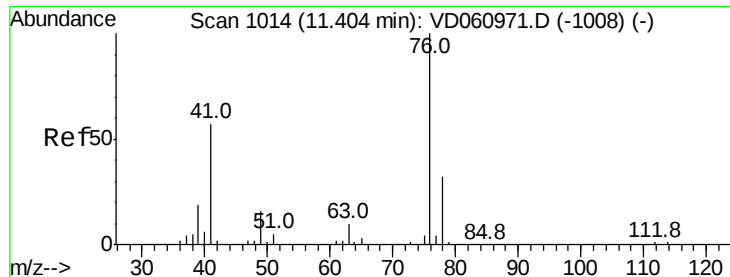


#56
 Ethyl methacrylate
 Concen: 19.731 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion: 69 Resp: 116747

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.5	83.3
39	33.9	26.2	39.2





#57

1,3-Dichloropropane

Concen: 19.198 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

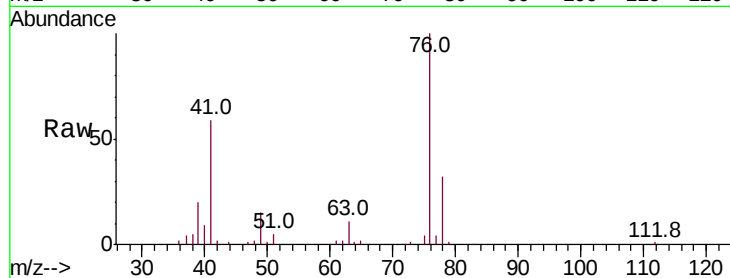
VD0314SBS01

Tot Ion: 76 Resp: 162173

Ion Ratio Lower Upper

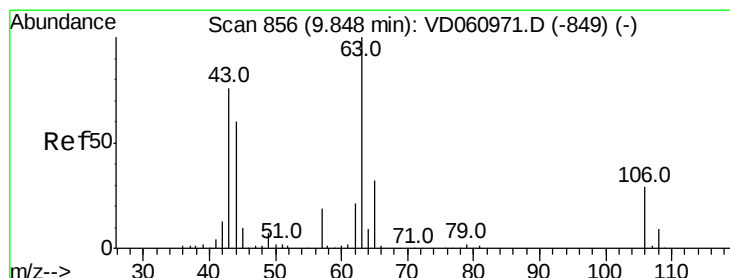
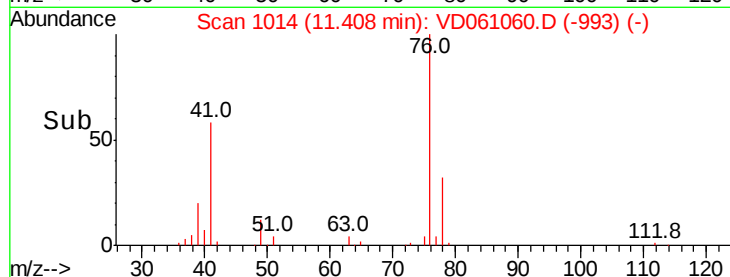
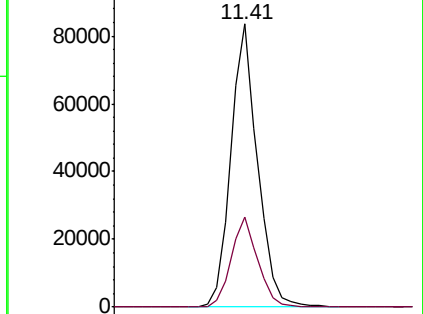
76 100

78 31.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 90.445 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD061060.D

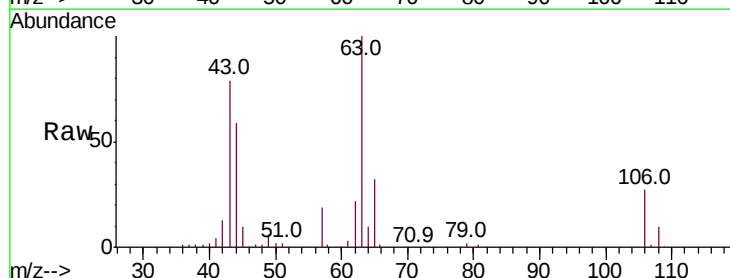
Acq: 14 Mar 2019 13:07

Tgt Ion: 63 Resp: 283265

Ion Ratio Lower Upper

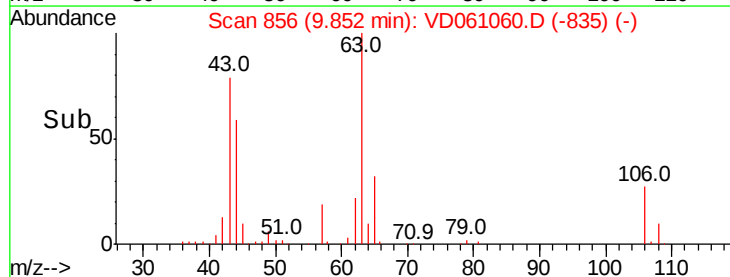
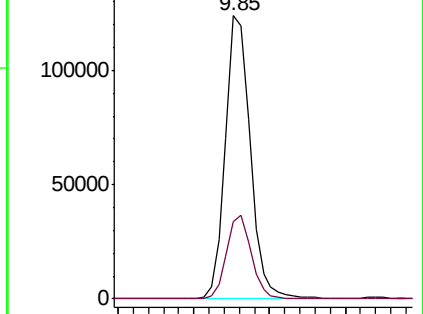
63 100

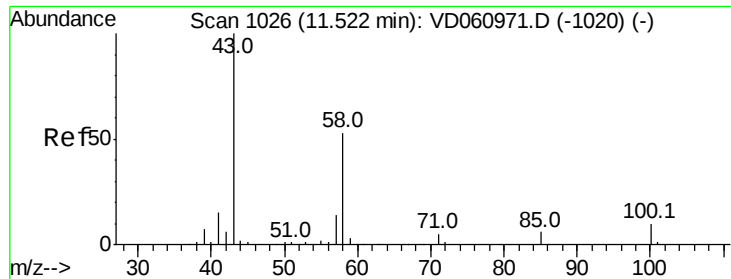
106 27.5 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

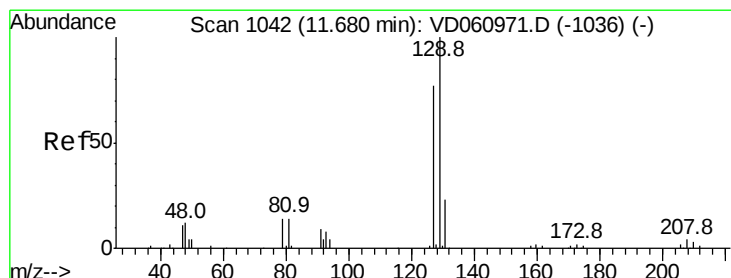
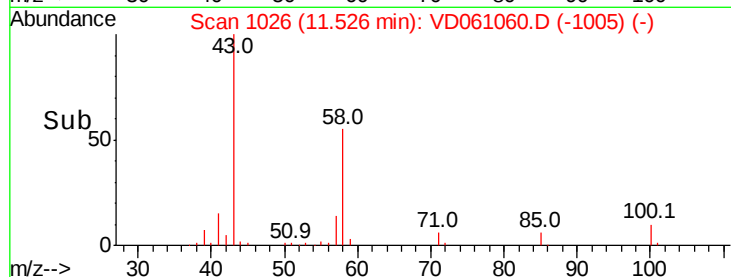
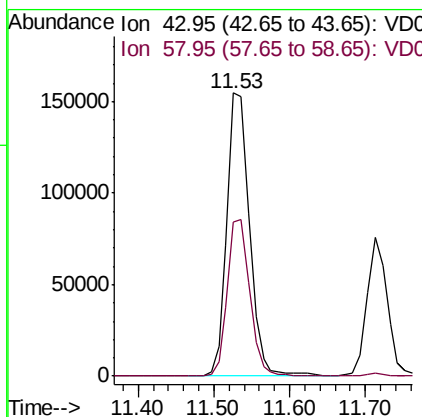
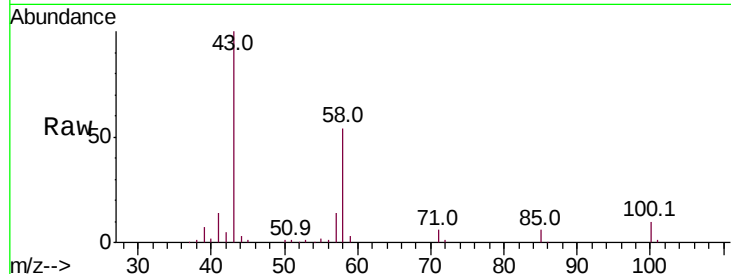




#59
2-Hexanone
Concen: 100.976 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

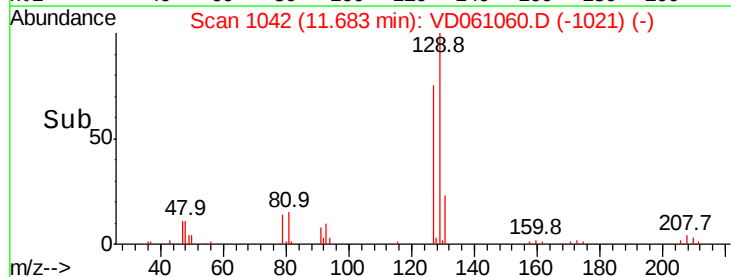
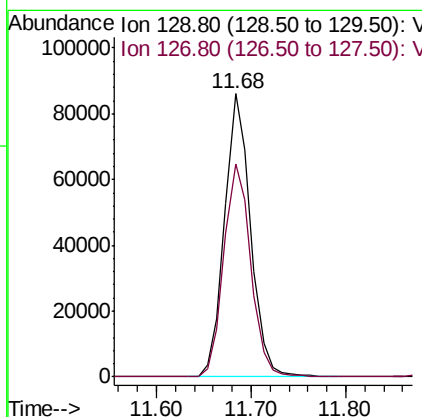
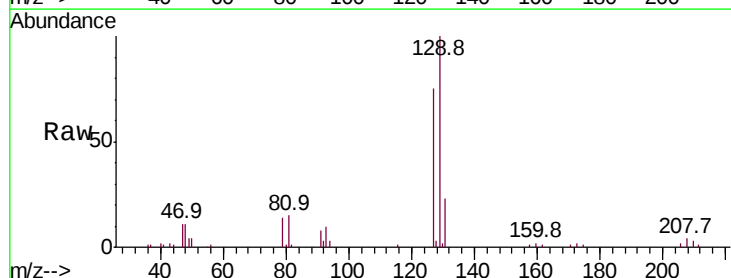
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

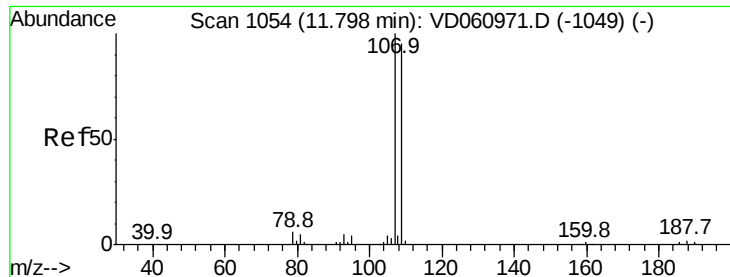
Tot Ion: 43 Resp: 321286
Ion Ratio Lower Upper
43 100
58 54.2 26.5 79.5



#60
Dibromochloromethane
Concen: 19.690 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 129 Resp: 163810
Ion Ratio Lower Upper
129 100
127 75.5 38.3 114.9

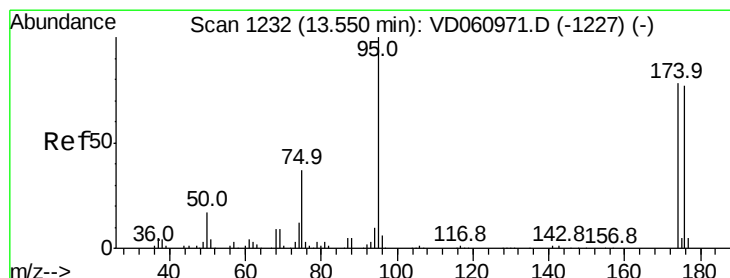
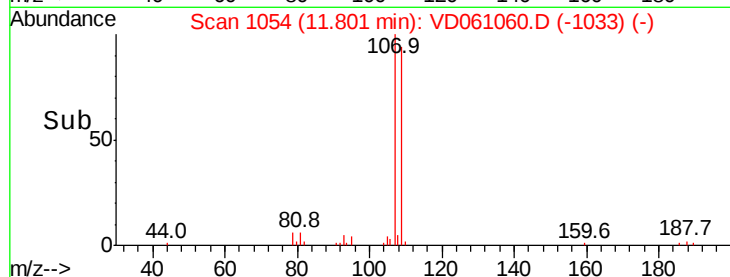
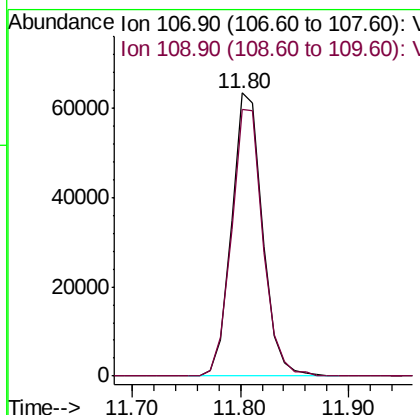
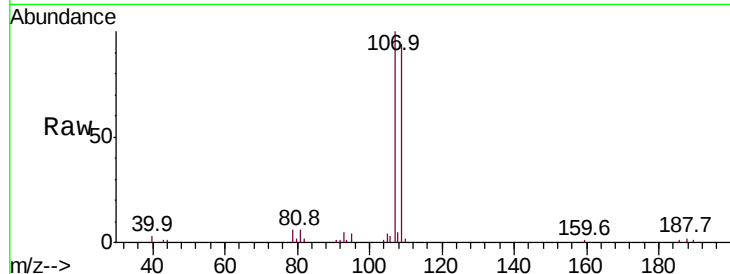




#61
 1,2-Dibromoethane
 Concen: 19.120 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

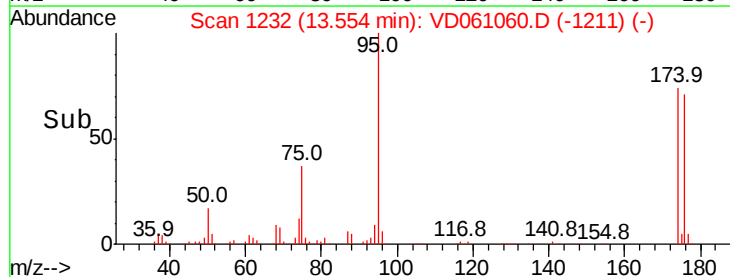
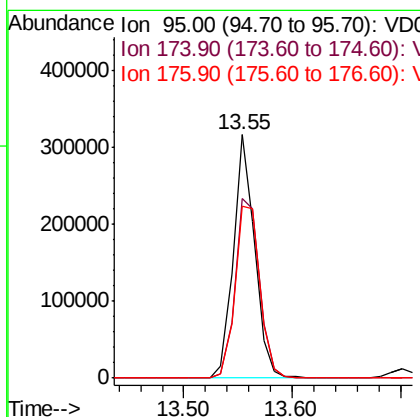
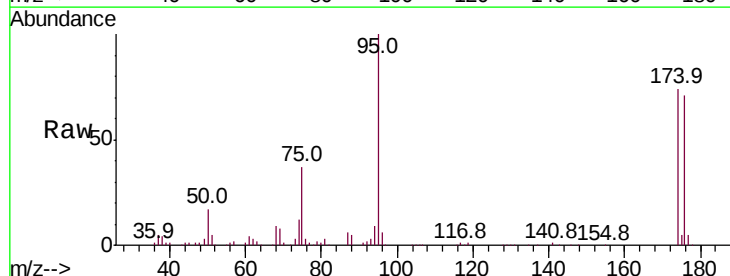
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

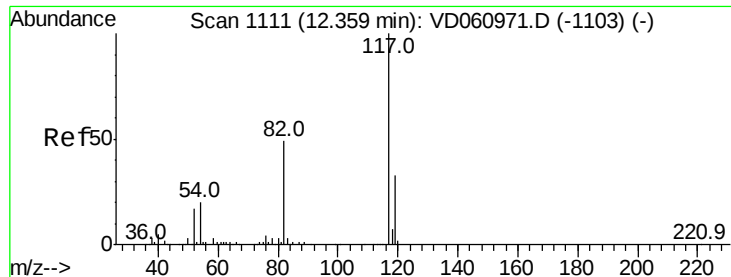
Tot Ion:107 Resp: 125730
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 19.120 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion: 95 Resp: 435424
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 155.6
 176 70.7 0.0 153.8

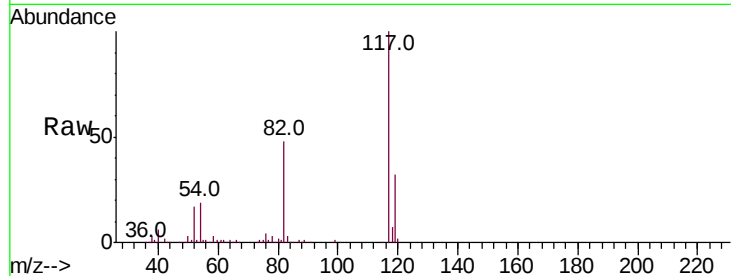




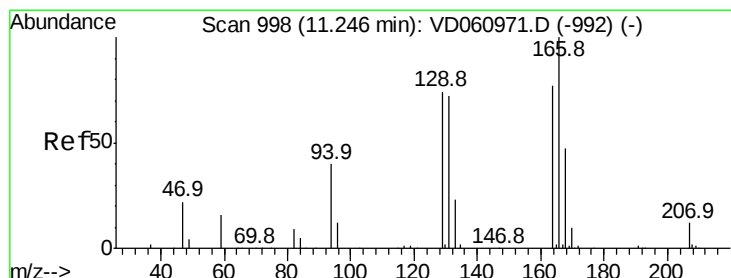
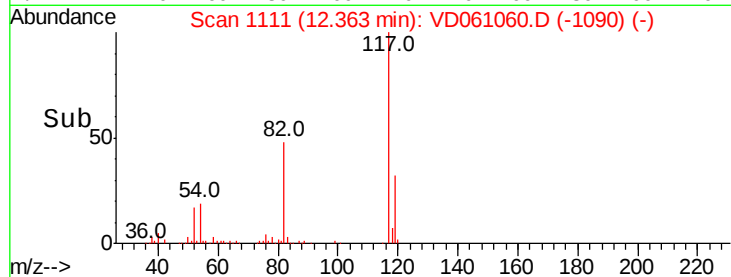
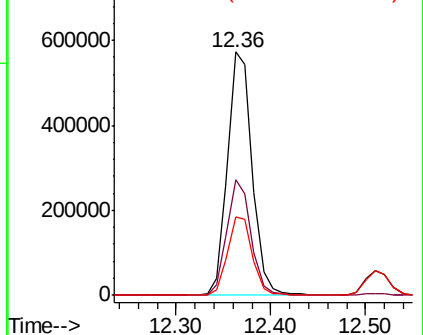
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

Tot Ion:117 Resp: 1033065
Ion Ratio Lower Upper
117 100
82 47.7 38.9 58.3
119 32.1 26.6 39.8

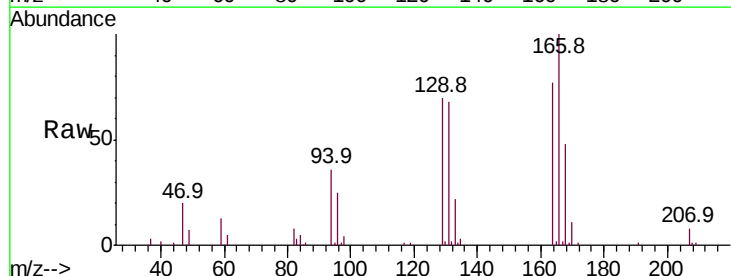


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

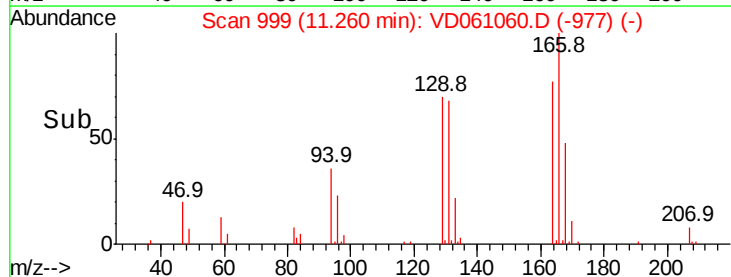
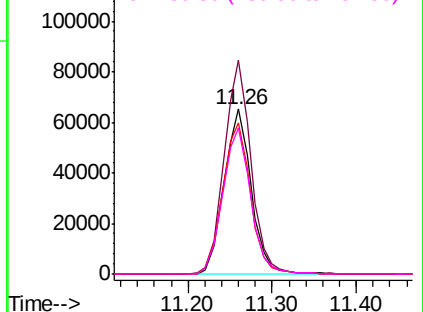


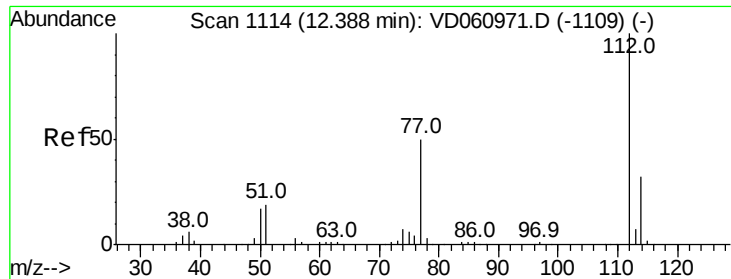
#64
Tetrachloroethene
Concen: 20.838 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion:164 Resp: 145315
Ion Ratio Lower Upper
164 100
166 129.6 103.4 155.0
129 91.3 76.9 115.3
131 88.3 74.4 111.6



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





#65

Chlorobenzene

Concen: 21.145 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

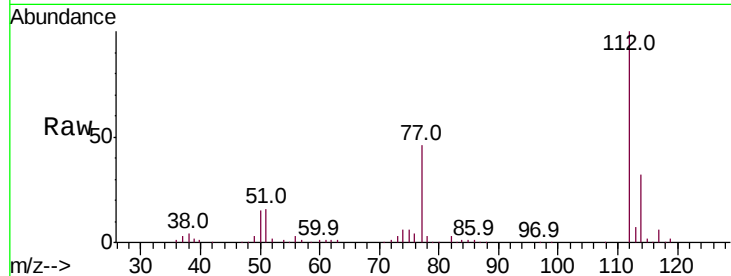
VD0314SBS01

Tot Ion:112 Resp: 428246

Ion Ratio Lower Upper

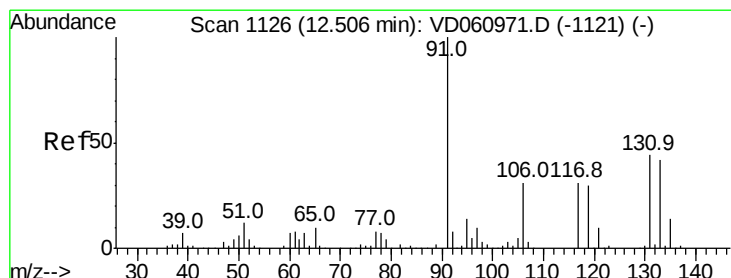
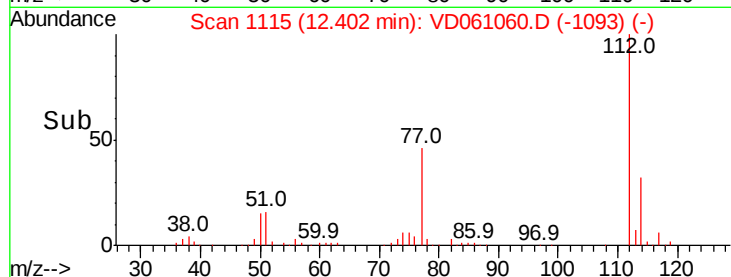
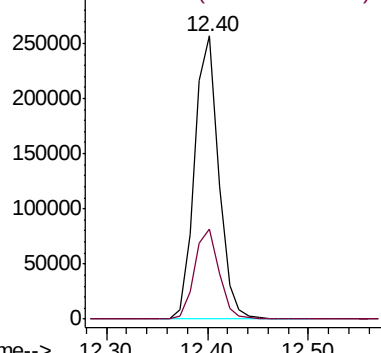
112 100

114 32.0 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: 19.894 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

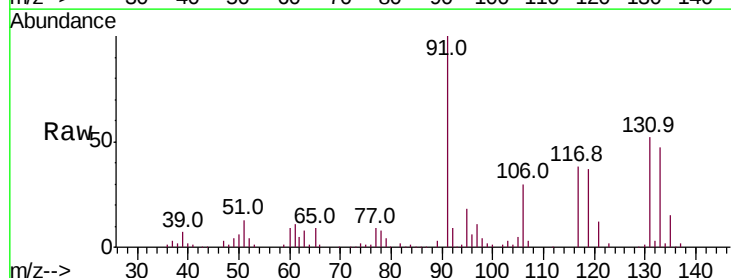
Tgt Ion:131 Resp: 143616

Ion Ratio Lower Upper

131 100

133 92.1 47.8 143.3

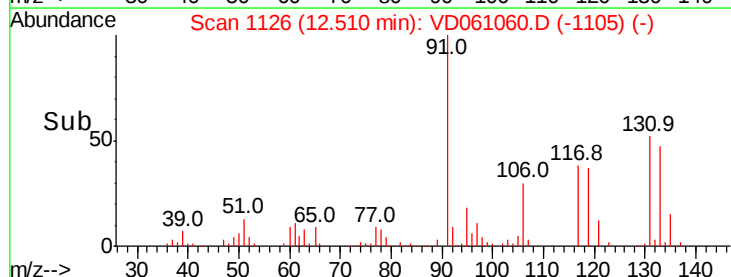
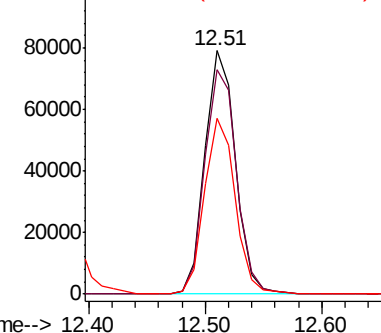
119 71.9 34.3 102.9

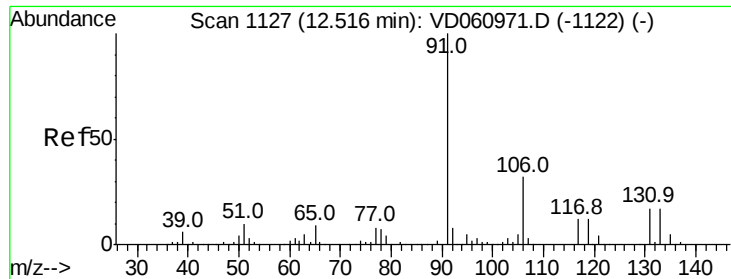


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

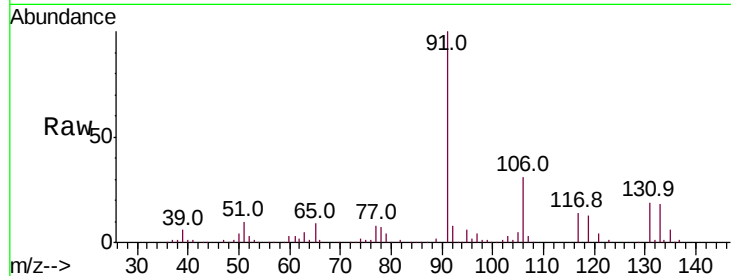




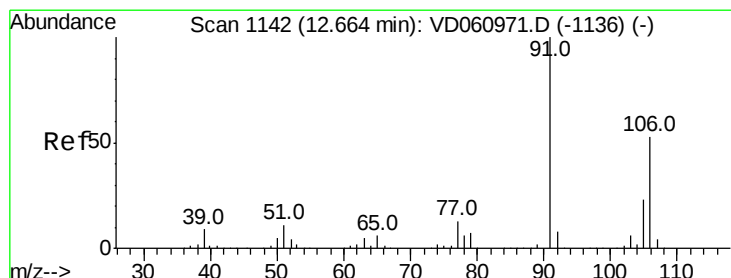
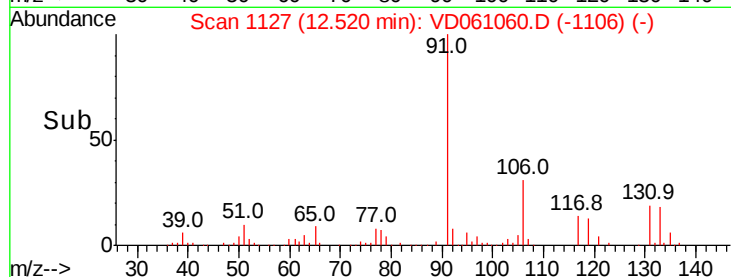
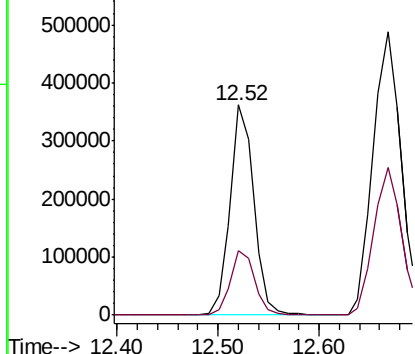
#67
Ethyl Benzene
Concen: 19.546 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleID :
VD0314SBS01

Tot Ion: 91 Resp: 589344
Ion Ratio Lower Upper
91 100
106 30.8 25.7 38.5

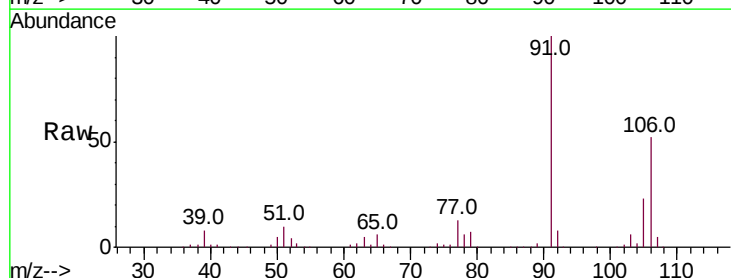


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

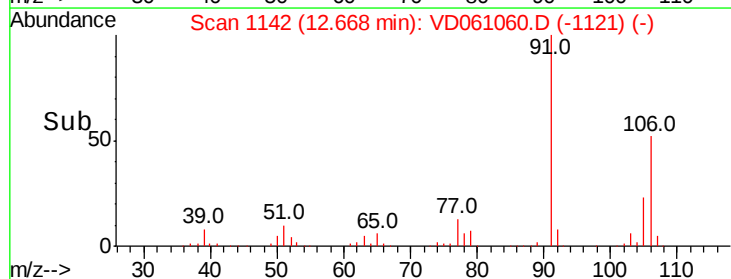
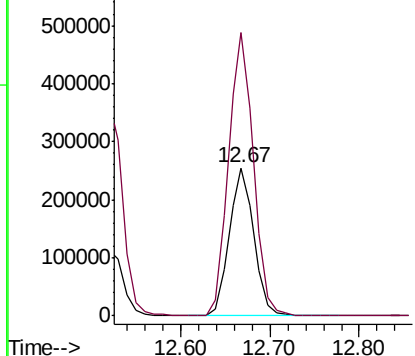


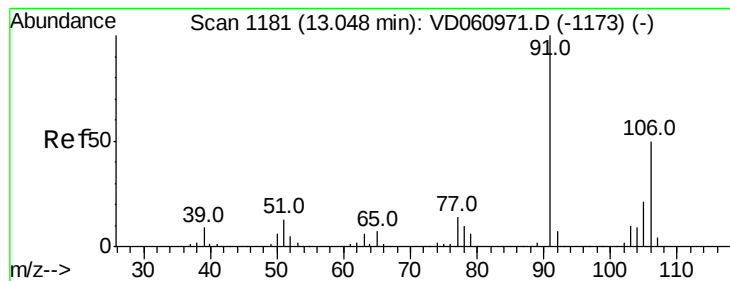
#68
m/p-Xylenes
Concen: 41.563 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 106 Resp: 491855
Ion Ratio Lower Upper
106 100
91 191.7 152.0 228.0



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





#69

o-Xylene

Concen: 20.675 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleID :

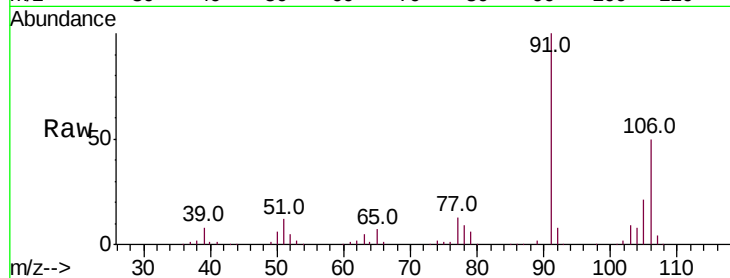
VD0314SBS01

Tot Ion:106 Resp: 240502

Ion Ratio Lower Upper

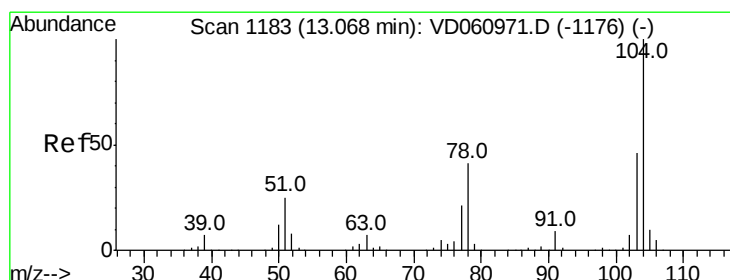
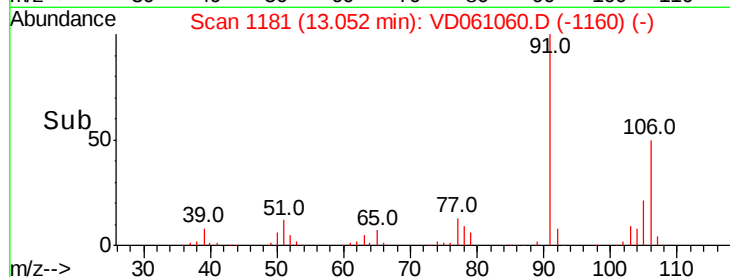
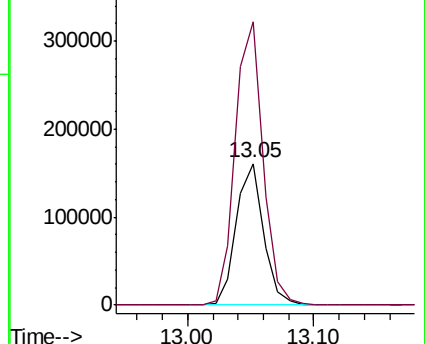
106 100

91 200.1 99.8 299.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 19.563 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

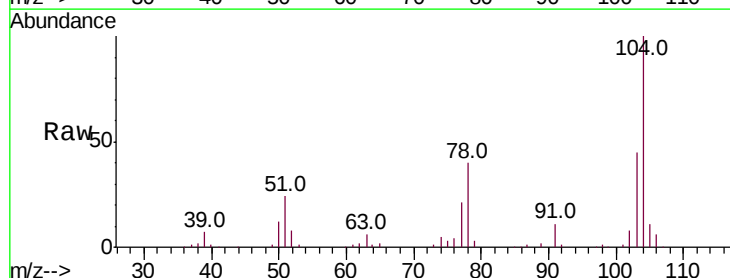
Tgt Ion:104 Resp: 371590

Ion Ratio Lower Upper

104 100

78 40.3 33.0 49.4

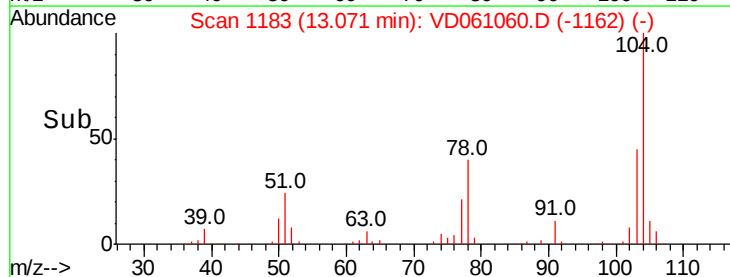
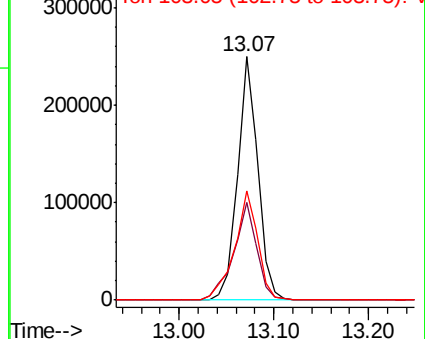
103 44.9 37.1 55.7

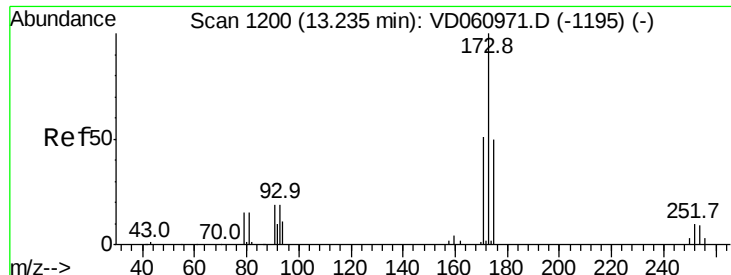


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.442 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

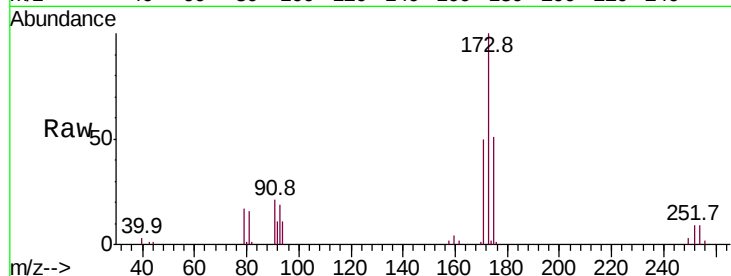
Tot Ion:173 Resp: 90541

Ion Ratio Lower Upper

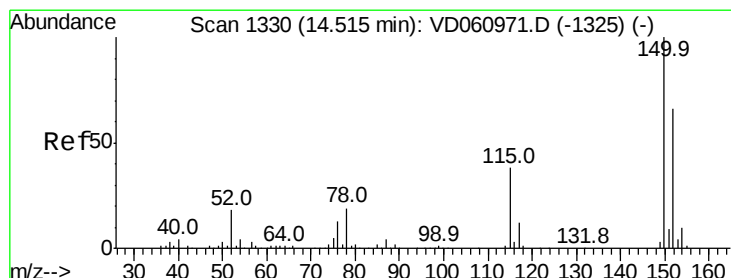
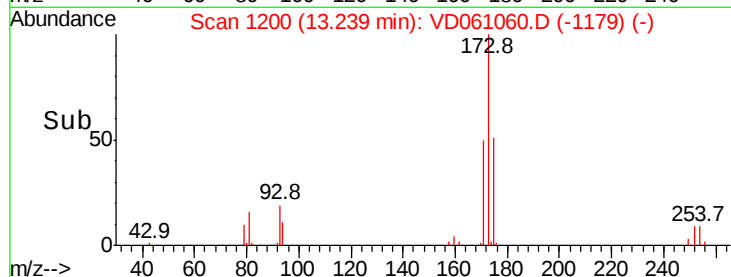
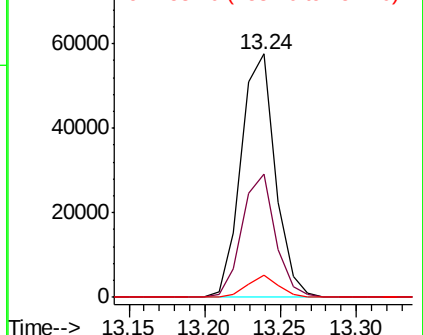
173 100

175 50.7 24.9 74.8

254 9.3 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

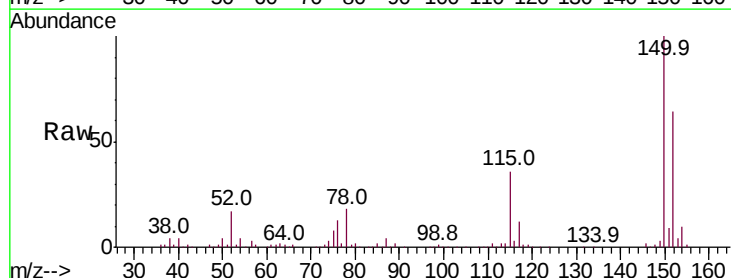
Tgt Ion:152 Resp: 445450

Ion Ratio Lower Upper

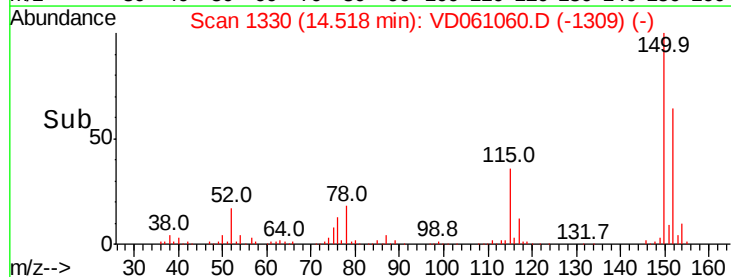
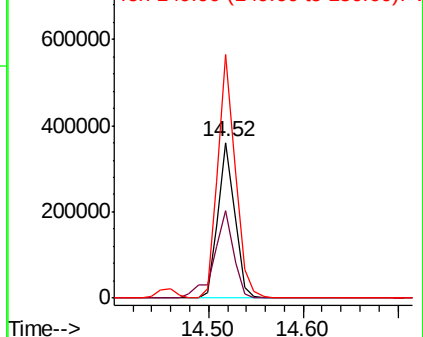
152 100

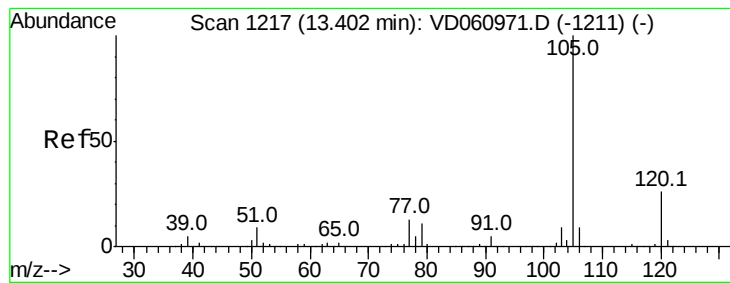
115 56.2 28.6 85.9

150 156.8 0.0 310.6



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





#73

Isopropylbenzene

Concen: 20.862 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

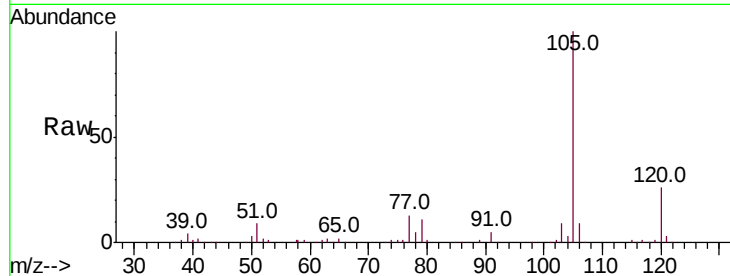
VD0314SBS01

Tot Ion:105 Resp: 669722

Ion Ratio Lower Upper

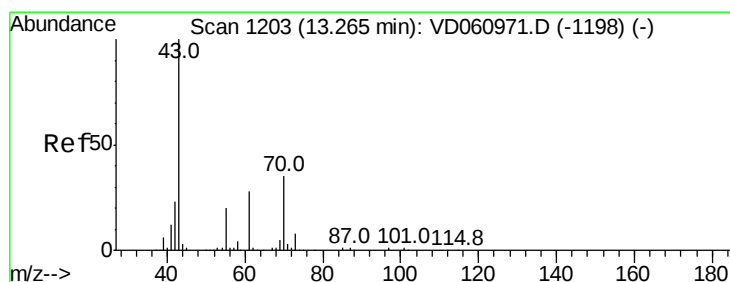
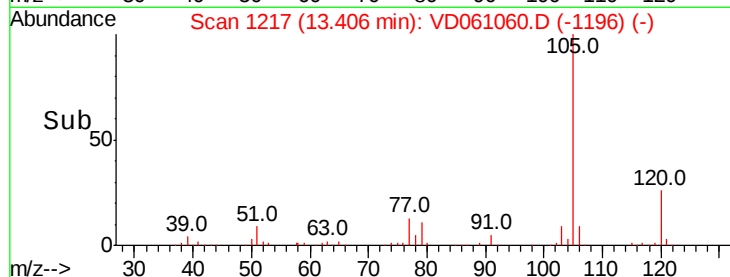
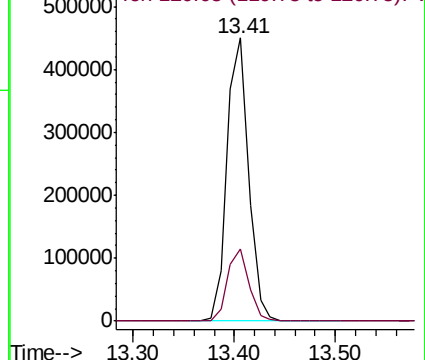
105 100

120 25.6 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.334 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Tgt Ion: 43 Resp: 156692

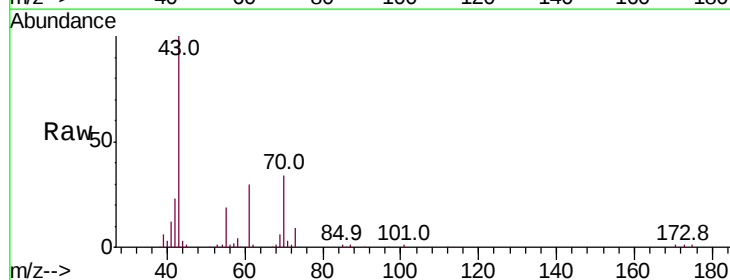
Ion Ratio Lower Upper

43 100

70 34.4 27.7 41.5

55 18.8 16.2 24.2

61 29.7 22.3 33.5

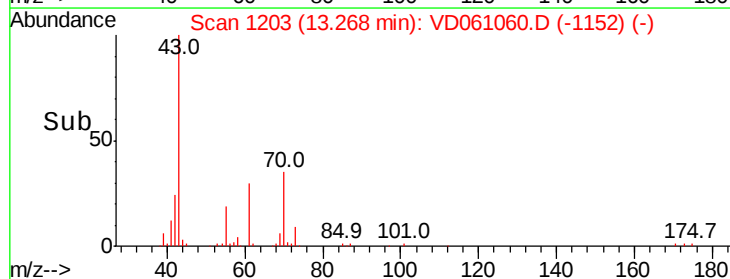
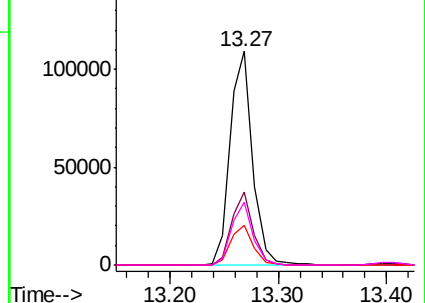


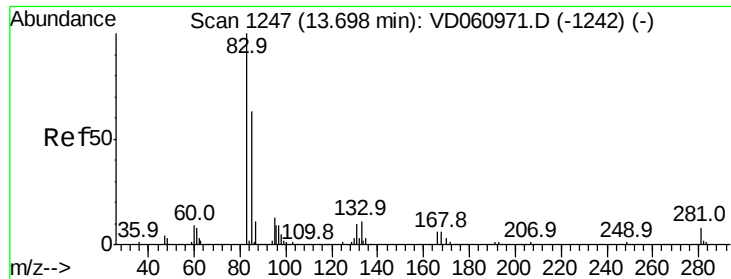
Abundance Ion 42.95 (42.65 to 43.65): V

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: 19.181 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

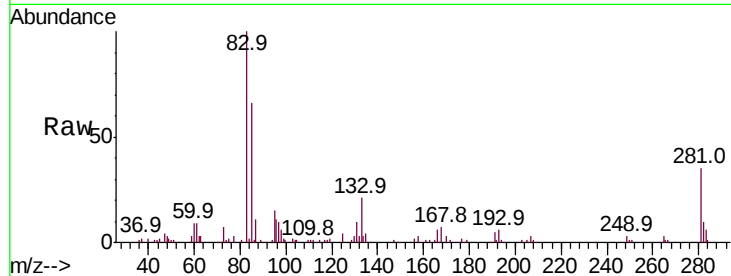
Tot Ion: 83 Resp: 120138

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

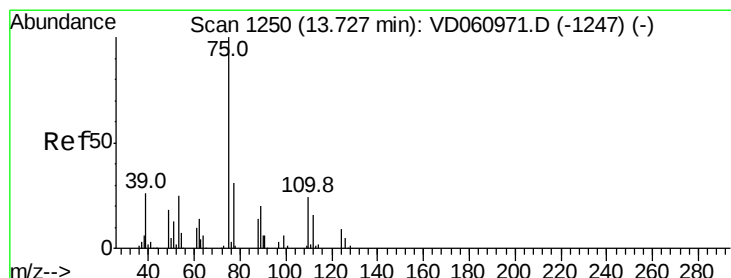
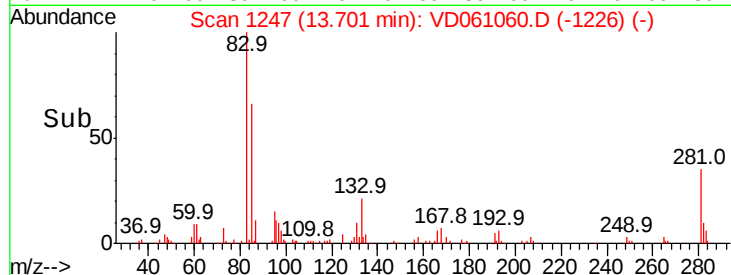
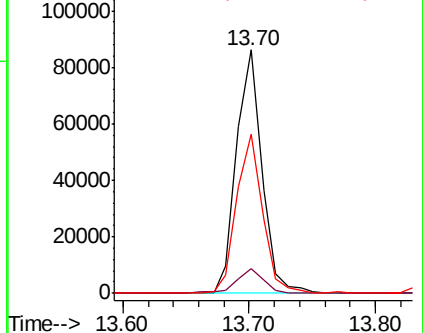
85 65.6 31.5 94.5



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: 19.881 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061060.D

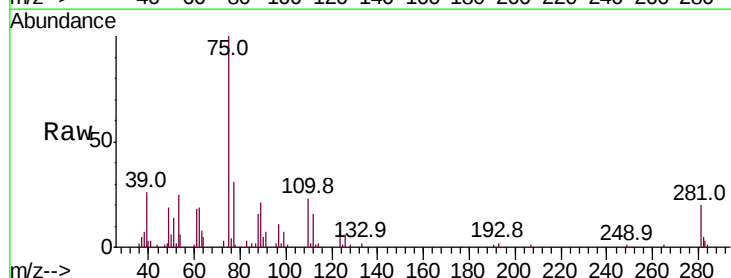
Acq: 14 Mar 2019 13:07

Tgt Ion: 75 Resp: 127411

Ion Ratio Lower Upper

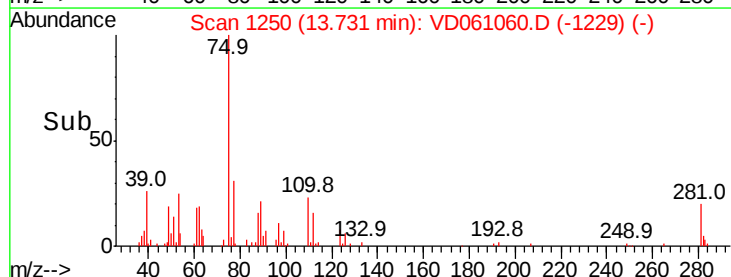
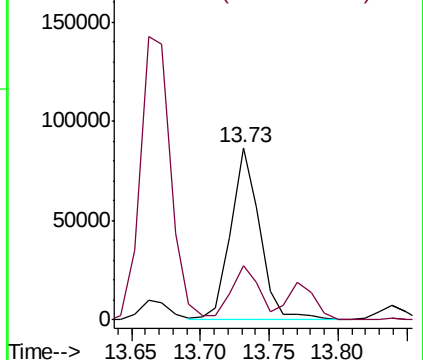
75 100

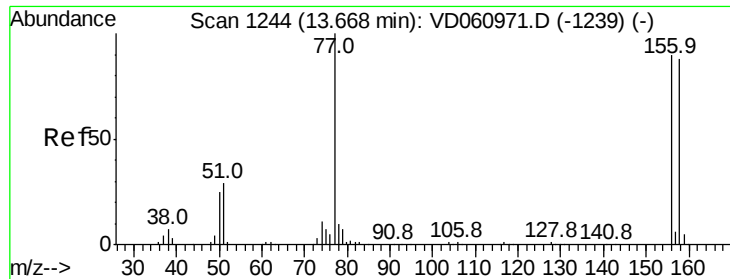
77 31.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.448 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

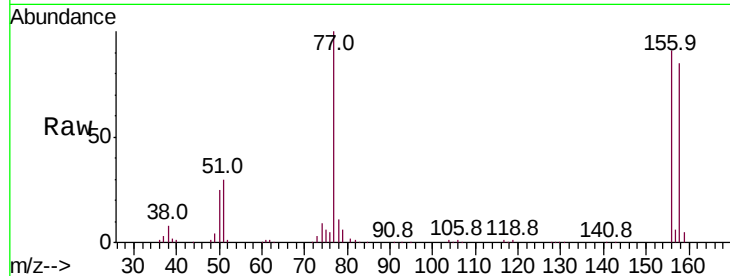
Tot Ion:156 Resp: 175765

Ion Ratio Lower Upper

156 100

77 110.0 55.5 166.7

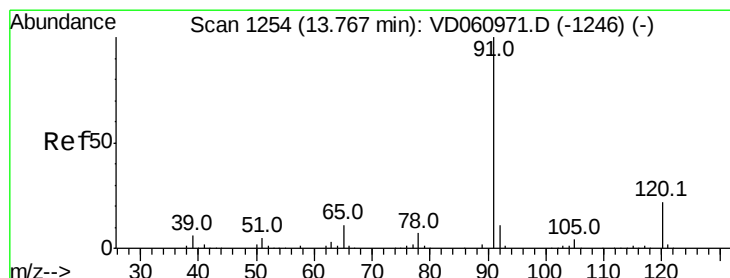
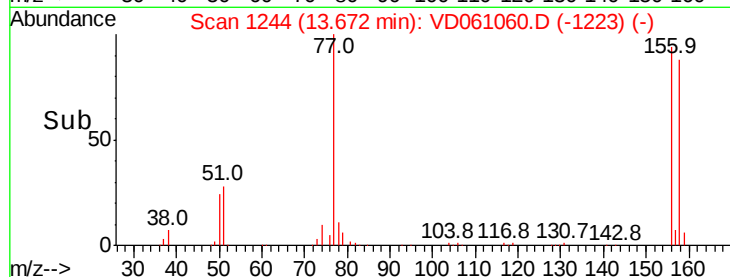
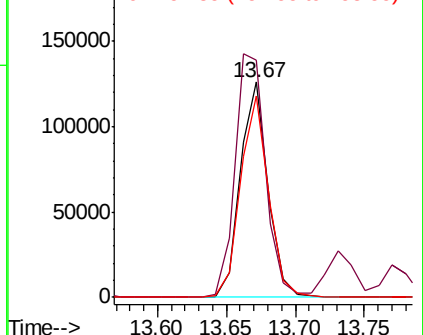
158 93.8 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.078 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061060.D

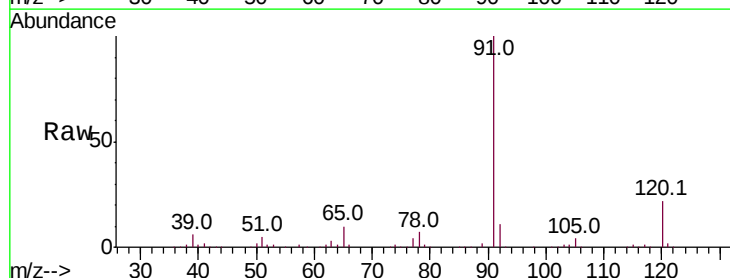
Acq: 14 Mar 2019 13:07

Tgt Ion: 91 Resp: 754582

Ion Ratio Lower Upper

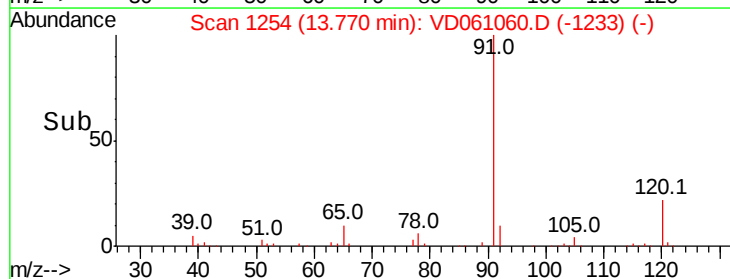
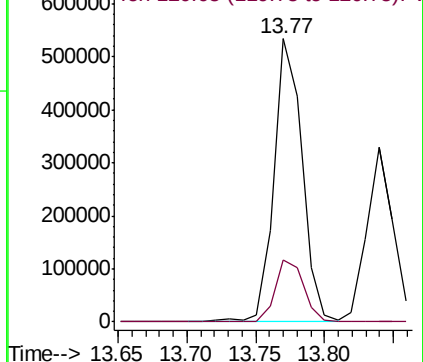
91 100

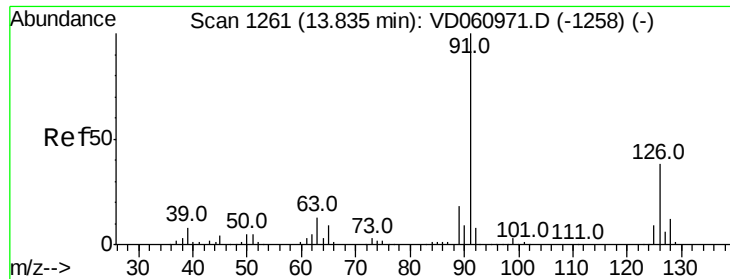
120 22.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.054 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

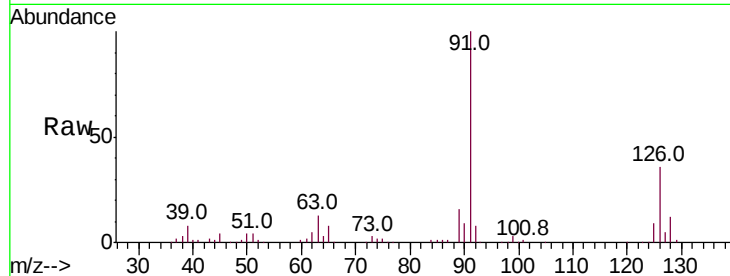
VD0314SBS01

Tot Ion: 91 Resp: 435630

Ion Ratio Lower Upper

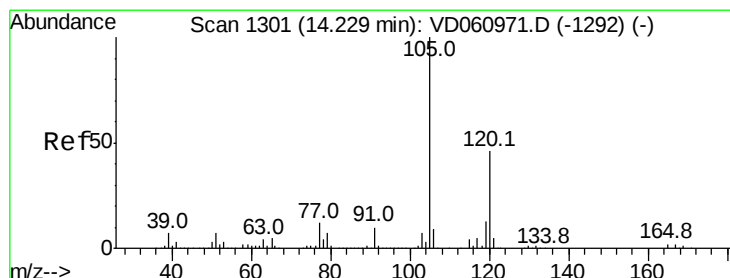
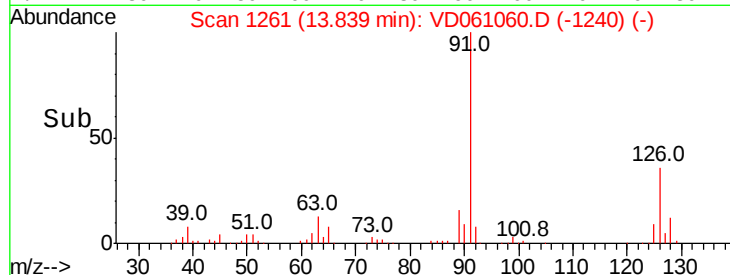
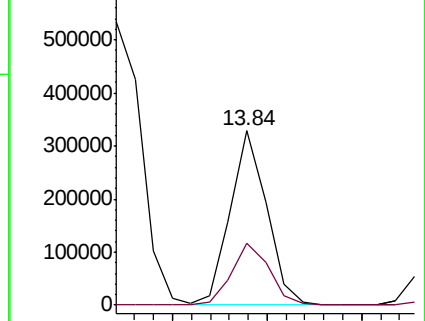
91 100

126 35.5 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.739 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061060.D

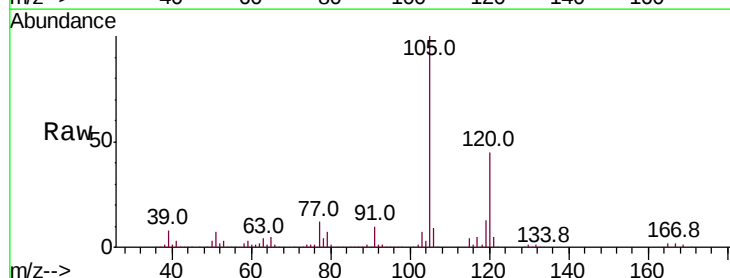
Acq: 14 Mar 2019 13:07

Tgt Ion:105 Resp: 529795

Ion Ratio Lower Upper

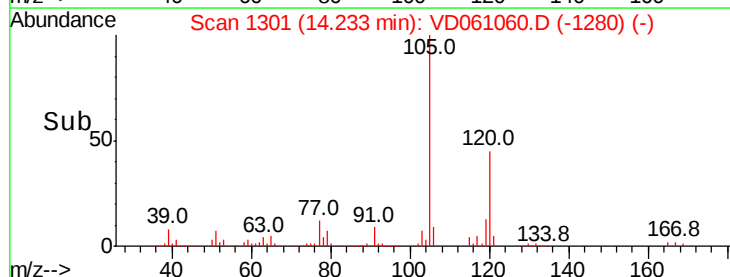
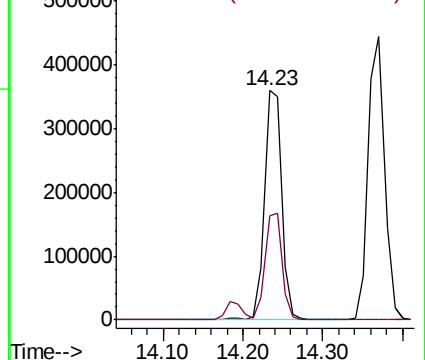
105 100

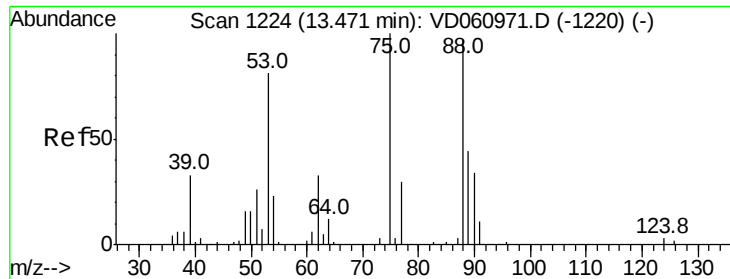
120 45.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.192 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

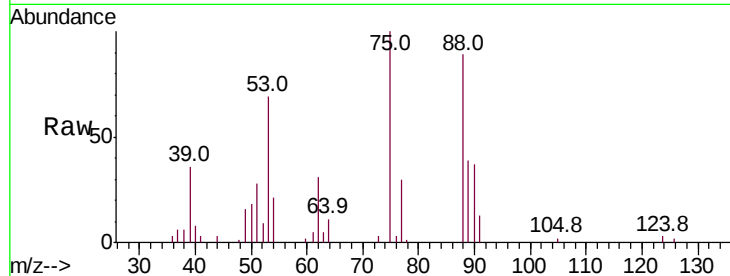
Tot Ion: 75 Resp: 32482

Ion Ratio Lower Upper

75 100

53 69.2 64.4 96.6

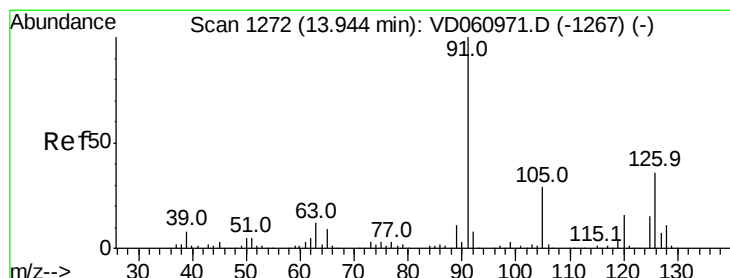
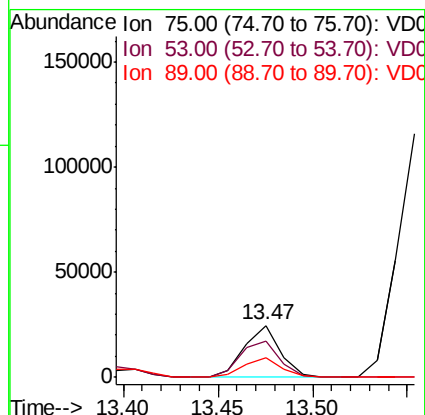
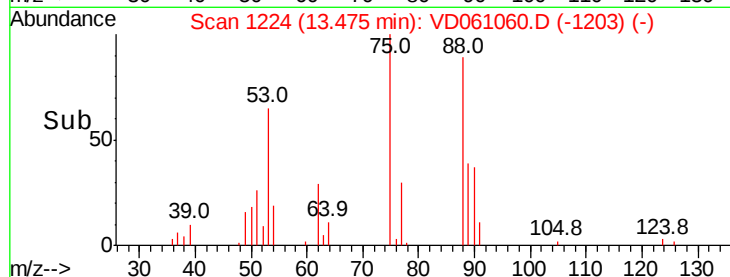
89 38.7 34.8 52.2



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: 20.653 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061060.D

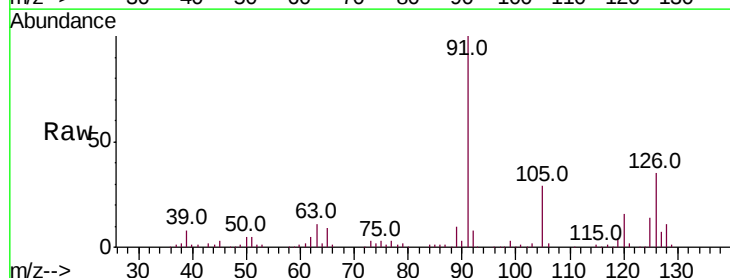
Acq: 14 Mar 2019 13:07

Tgt Ion: 91 Resp: 505173

Ion Ratio Lower Upper

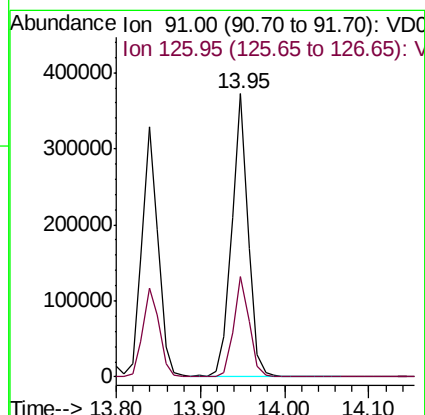
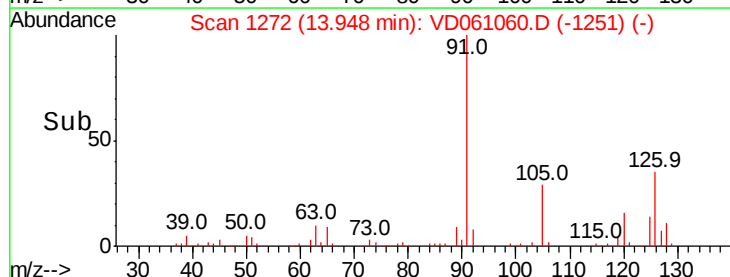
91 100

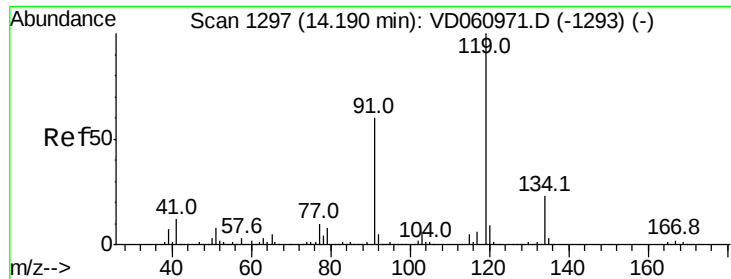
126 35.5 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 21.884 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :

MSVOA_D

ClientSampleId :

VD0314SBS01

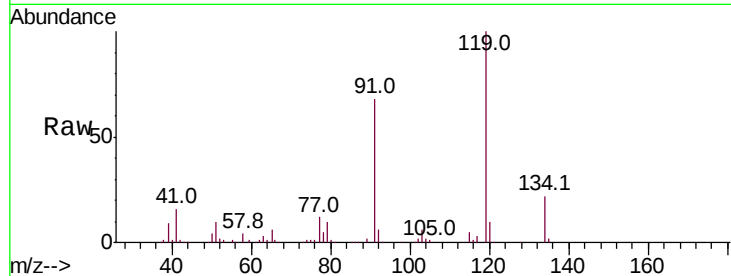
Tot Ion:119 Resp: 583680

Ion Ratio Lower Upper

119 100

91 68.3 30.1 90.3

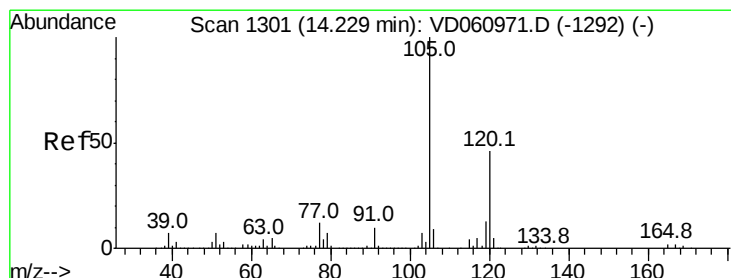
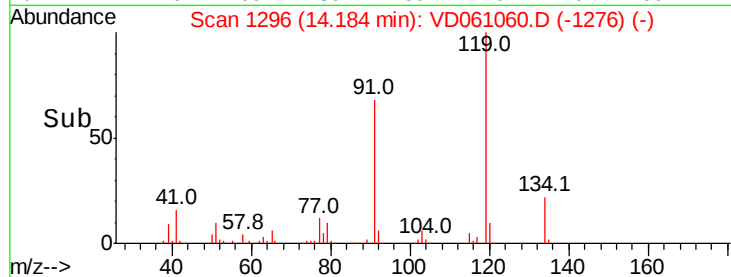
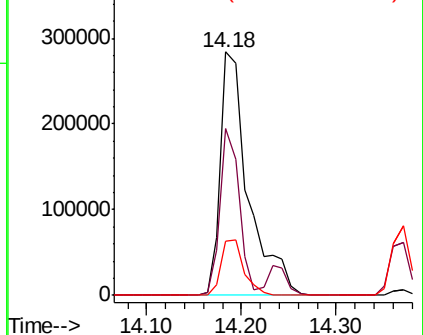
134 22.3 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.739 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061060.D

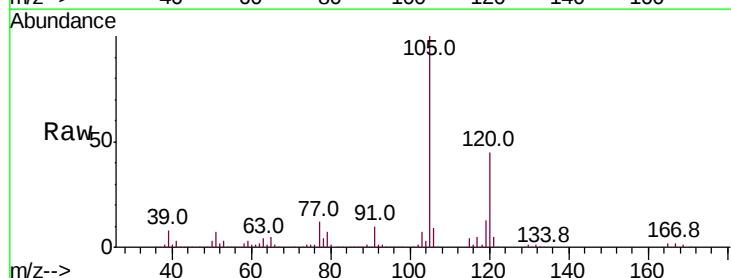
Acq: 14 Mar 2019 13:07

Tgt Ion:105 Resp: 529795

Ion Ratio Lower Upper

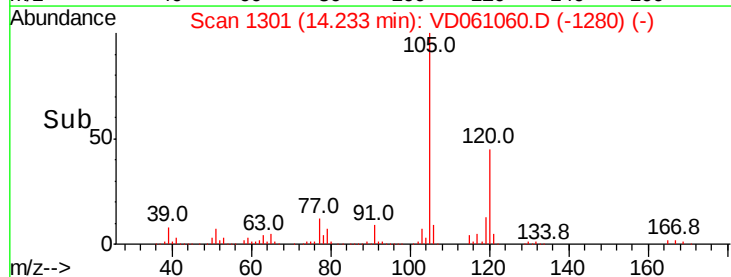
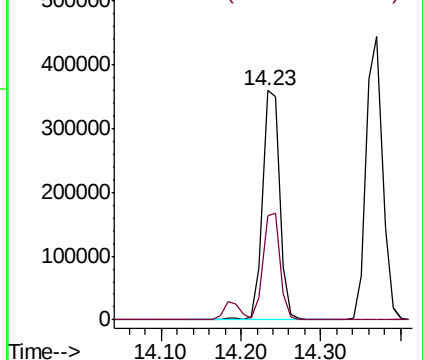
105 100

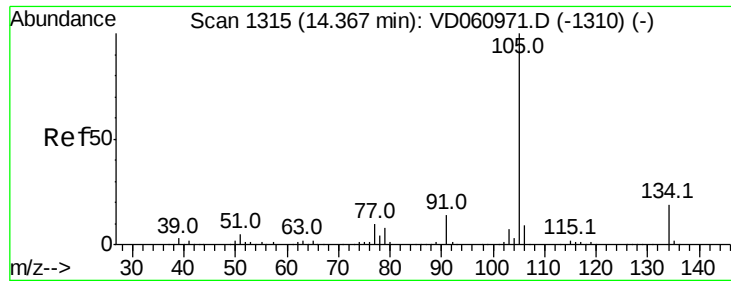
120 45.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

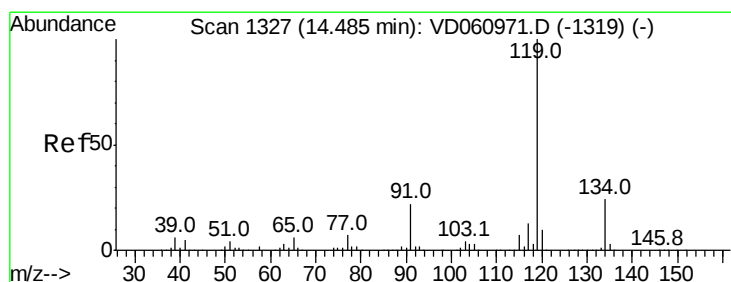
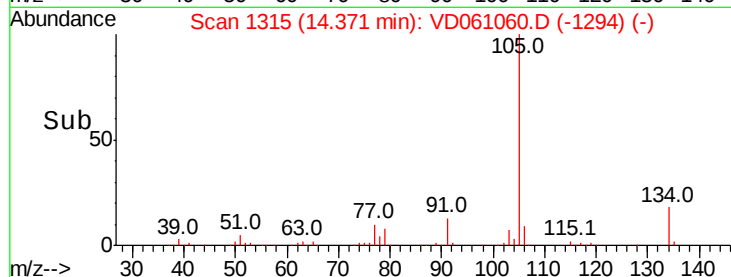
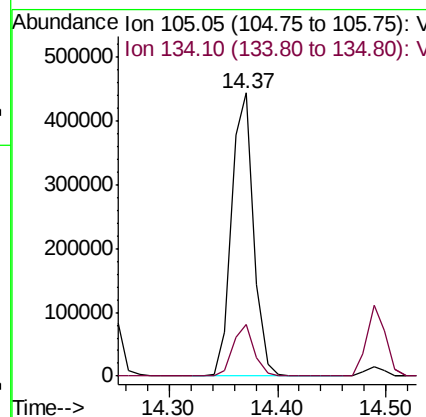
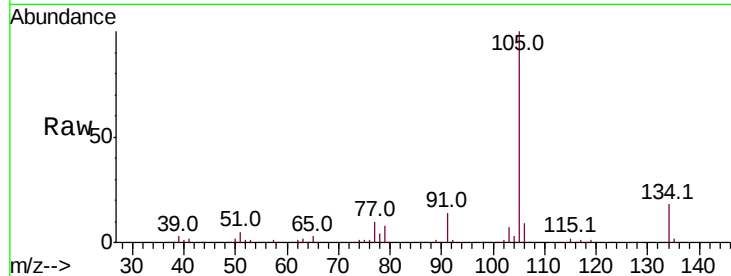




#85
 sec-Butylbenzene
 Concen: 19.205 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

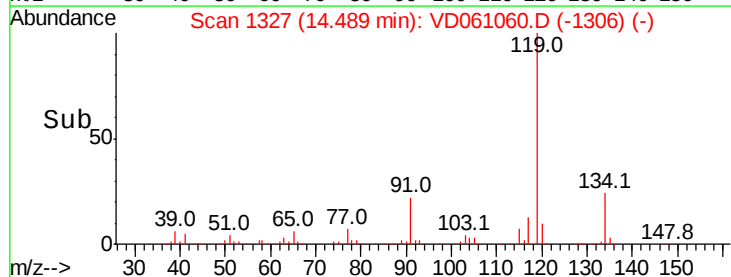
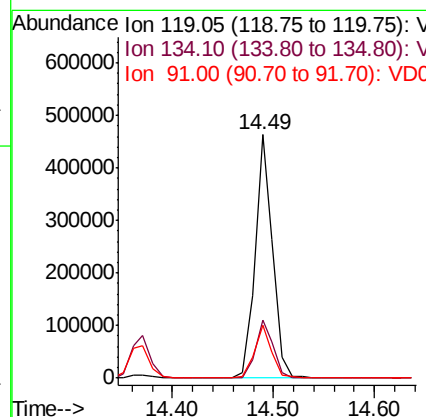
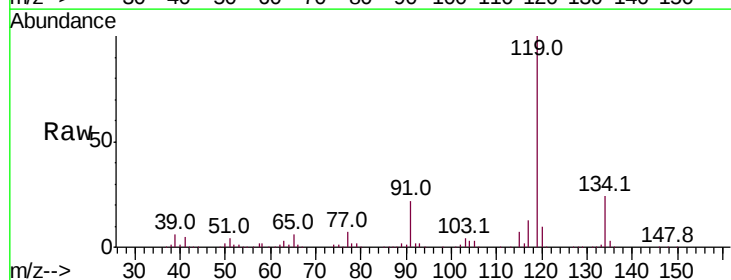
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0314SBS01

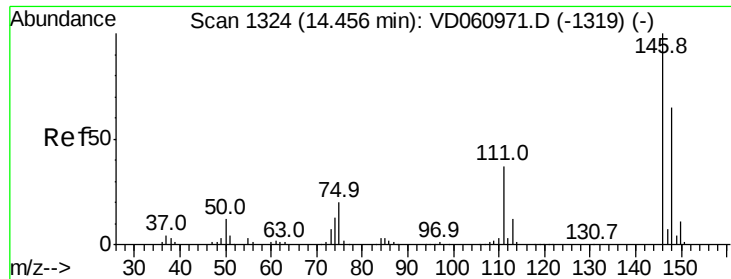
Tot Ion:105 Resp: 625321
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 20.983 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion:119 Resp: 558463
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.0 36.1
 91 21.8 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 21.065 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

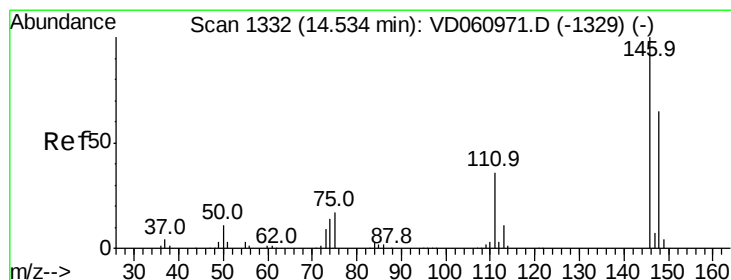
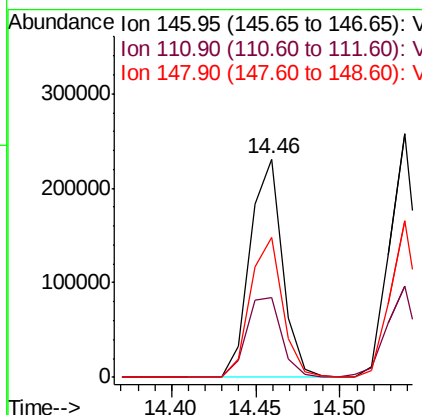
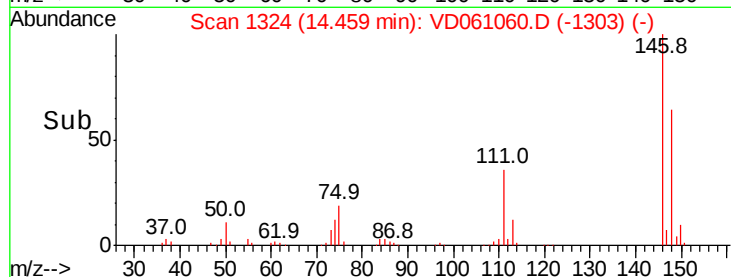
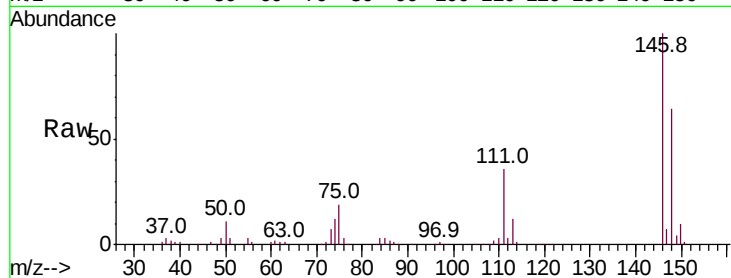
Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

Tot Ion:146 Resp: 308243

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.4
148	64.2	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 21.114 ug/l

RT: 14.54 min Scan# 1332

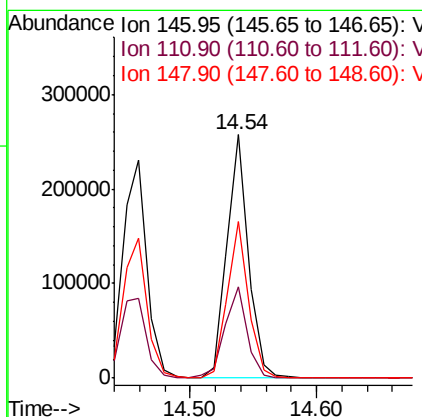
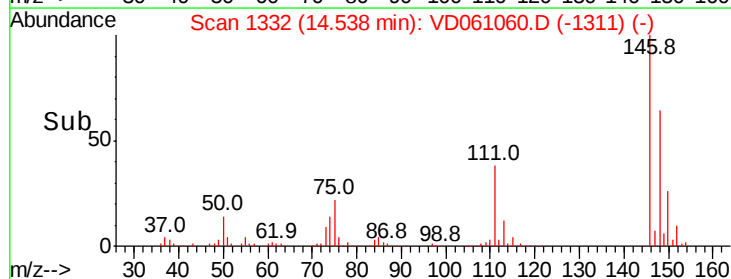
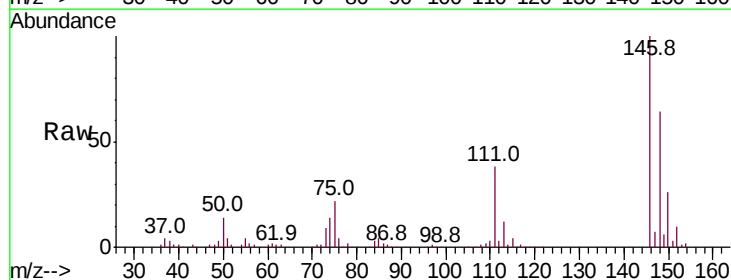
Delta R.T. 0.00 min

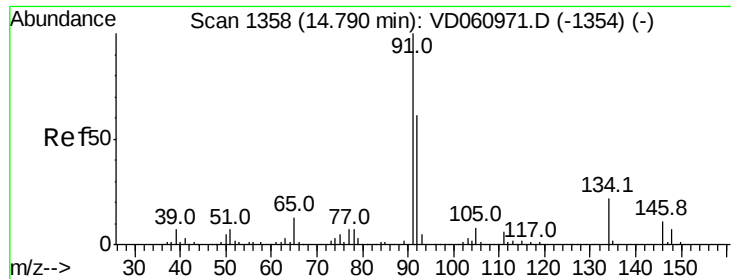
Lab File: VD061060.D

Acq: 14 Mar 2019 13:07

Tgt Ion:146 Resp: 303614

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	64.4	32.5	97.5

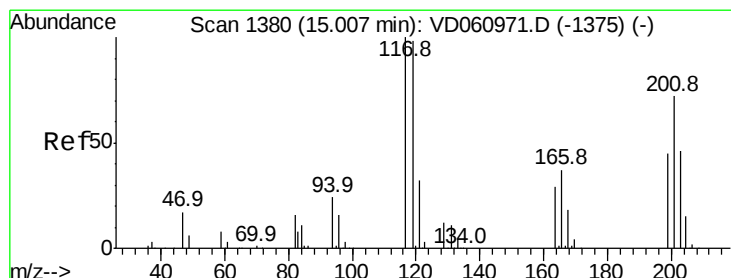
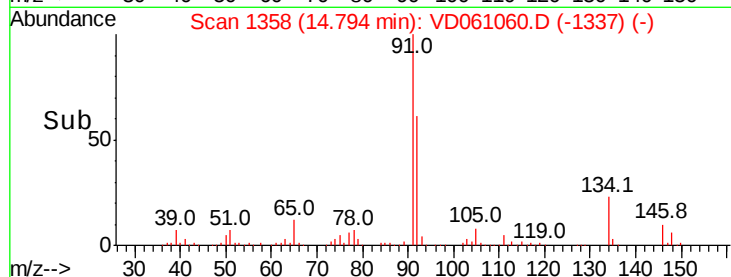
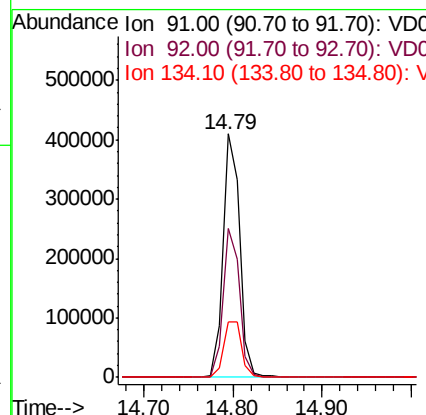
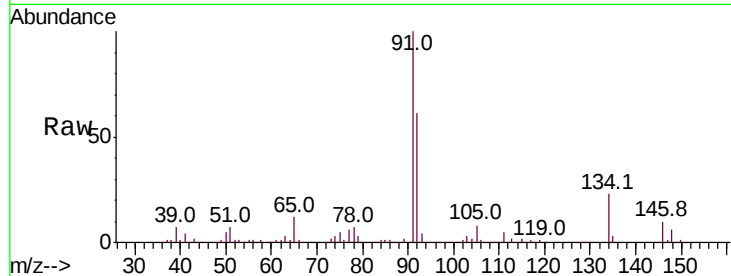




#89
n-Butylbenzene
Concen: 21.023 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

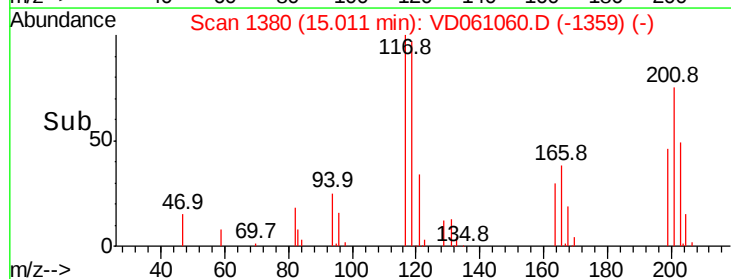
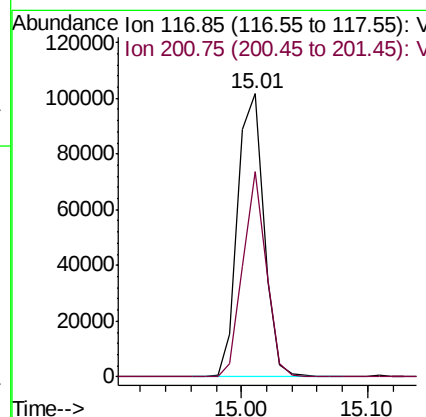
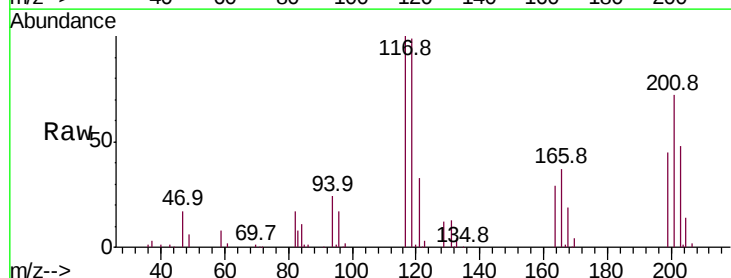
Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

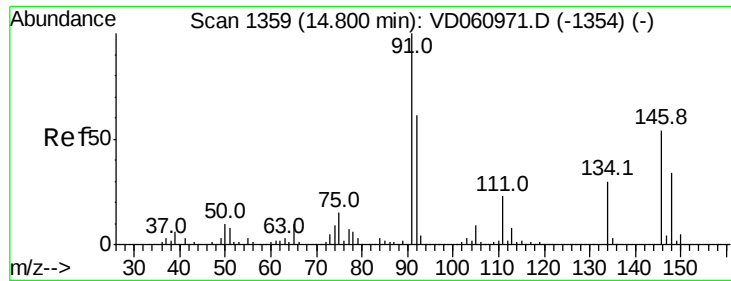
Tot Ion: 91 Resp: 537319
Ion Ratio Lower Upper
91 100
92 61.2 30.6 91.8
134 22.9 11.0 33.0



#90
Hexachloroethane
Concen: 19.409 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion: 117 Resp: 145863
Ion Ratio Lower Upper
117 100
201 72.4 36.2 108.6

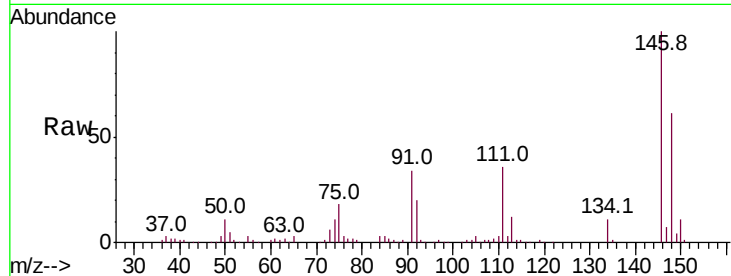




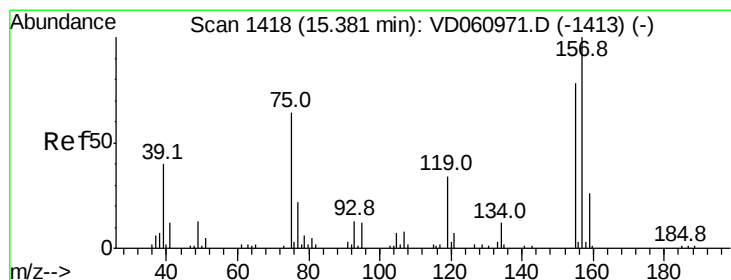
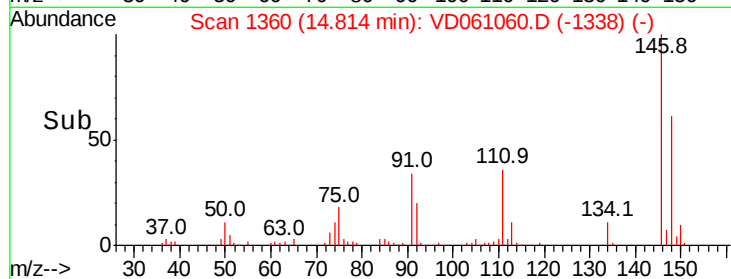
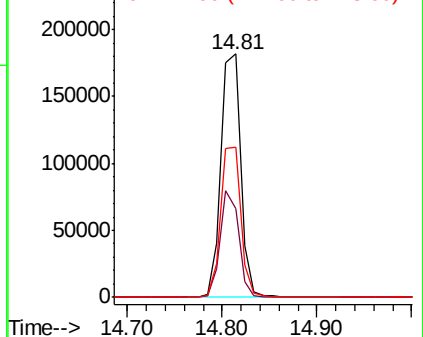
#91
 1,2-Dichlorobenzene
 Concen: 21.672 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Tot Ion:146 Resp: 264375
 Ion Ratio Lower Upper
 146 100
 111 36.3 21.5 64.5
 148 61.5 30.9 92.8

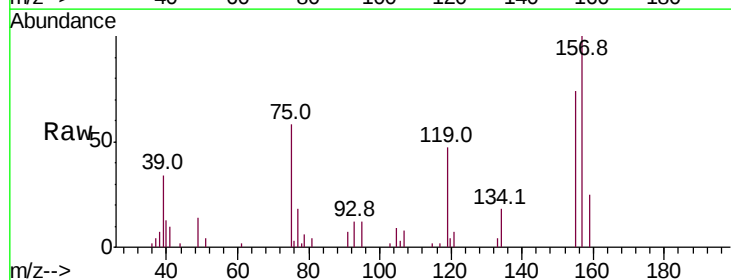


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

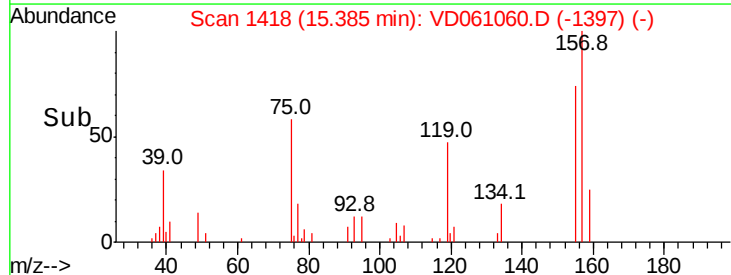
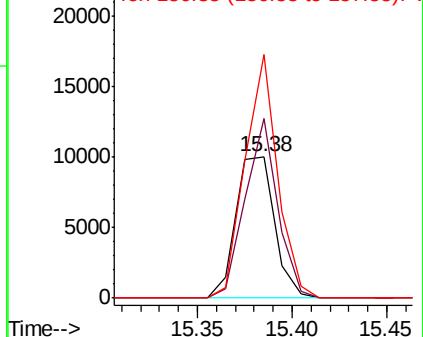


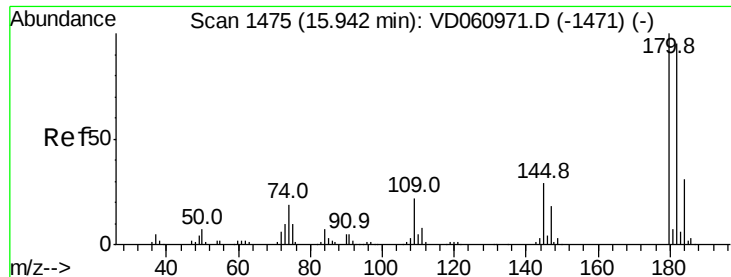
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.706 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion: 75 Resp: 14119
 Ion Ratio Lower Upper
 75 100
 155 126.9 61.2 183.5
 157 172.0 78.3 234.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

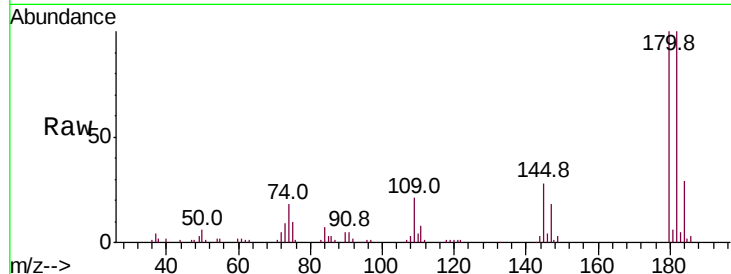




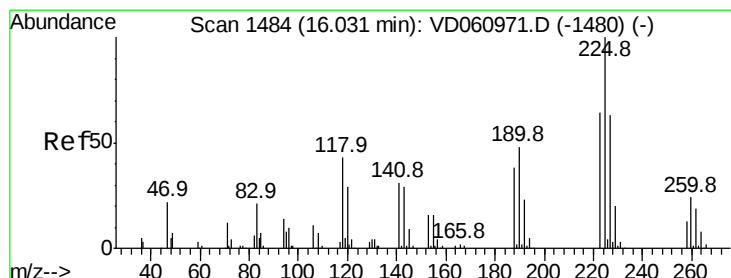
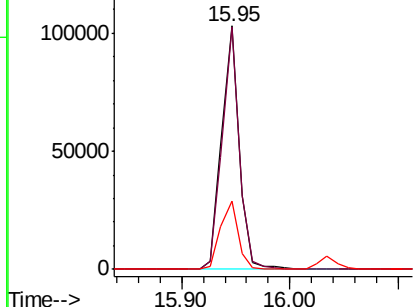
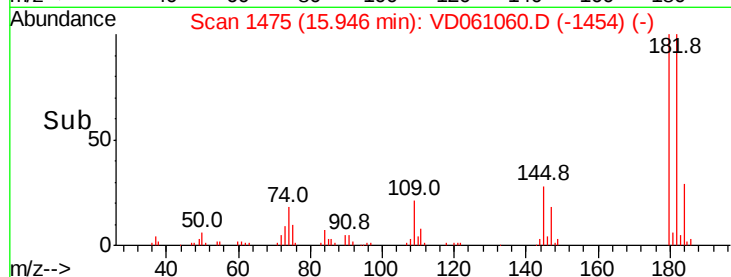
#93
 1,2,4-Trichlorobenzene
 Concen: 20.578 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0314SBS01

Tot Ion:180 Resp: 116454
 Ion Ratio Lower Upper
 180 100
 182 99.6 47.3 142.0
 145 28.1 14.4 43.0

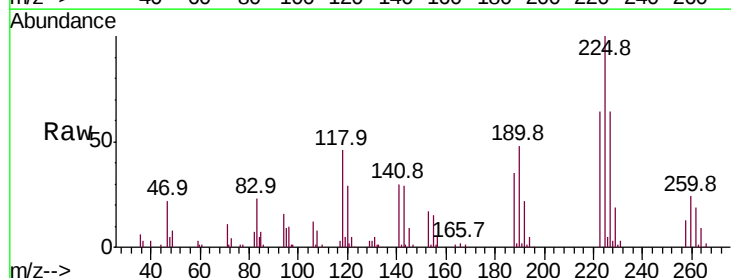


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

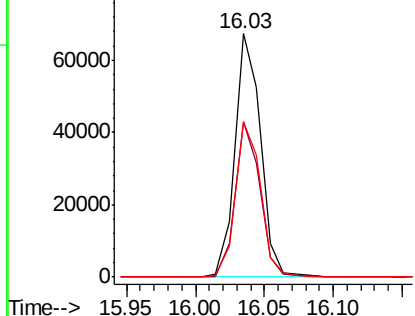
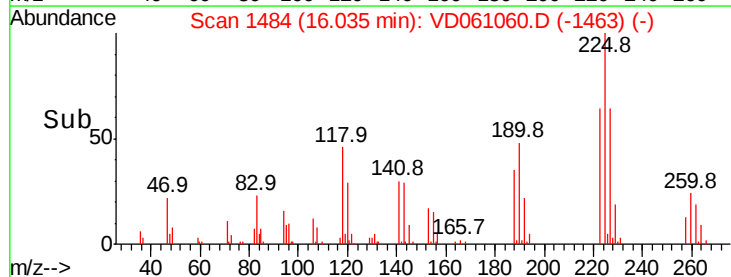


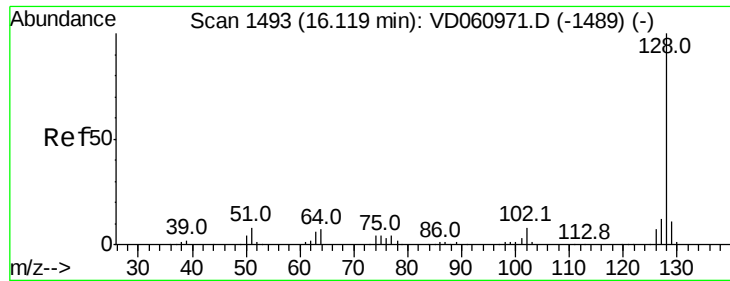
#94
 Hexachlorobutadiene
 Concen: 20.345 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061060.D
 Acq: 14 Mar 2019 13:07

Tgt Ion:225 Resp: 87086
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.8 95.3
 227 63.9 31.4 94.0



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

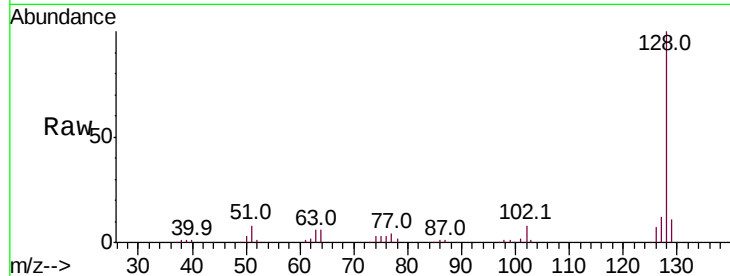




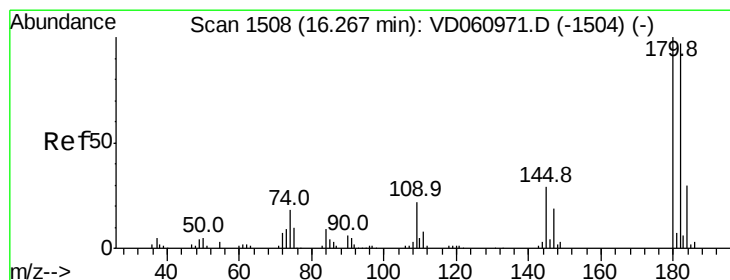
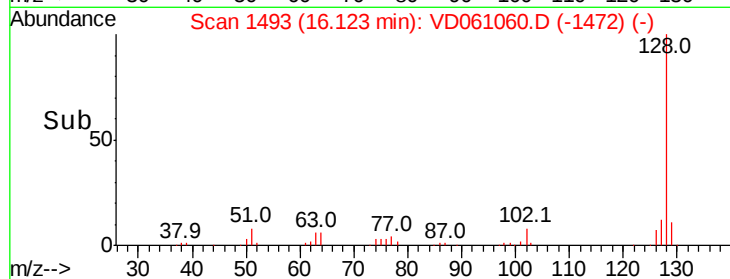
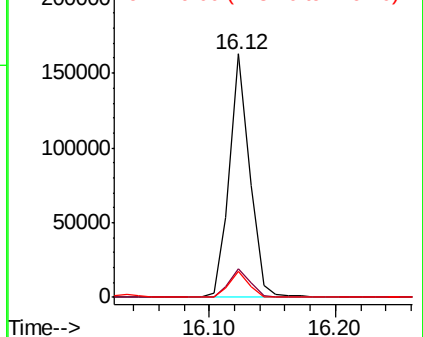
#95
Naphthalene
Concen: 21.062 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Instrument :
MSVOA_D
ClientSampleId :
VD0314SBS01

Tot Ion:128 Resp: 181124
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 10.5 8.5 12.7

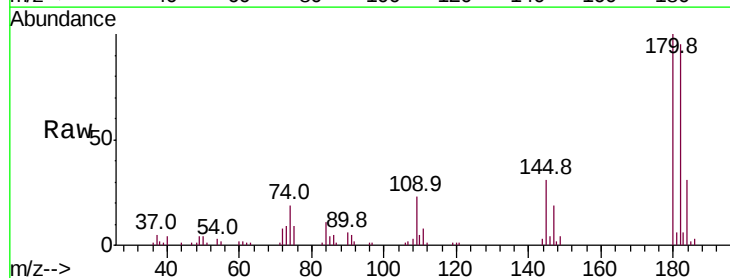


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.739 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061060.D
Acq: 14 Mar 2019 13:07

Tgt Ion:180 Resp: 55173
Ion Ratio Lower Upper
180 100
182 95.3 48.6 145.8
145 31.1 14.3 42.9



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

