

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061001.D
 Acq On : 11 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0311SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Quant Time: Mar 12 05:42:10 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	7.06	168	743483	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1203049	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1050901	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	440544	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	313625	50.68	ug/l	0.01
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	6.94	113	474089	53.10	ug/l	0.01
Spiked Amount			Recovery	=	106.20%	
50) Toluene-d8	10.42	98	1217419	54.30	ug/l	0.02
Spiked Amount			Recovery	=	108.60%	
62) 4-Bromofluorobenzene	13.56	95	448119	51.51	ug/l	0.01
Spiked Amount			Recovery	=	103.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	153375	20.826	ug/l	99
3) Chloromethane	1.76	50	123576	20.143	ug/l	100
4) Vinyl Chloride	1.86	62	119151	21.018	ug/l	98
5) Bromomethane	2.16	94	16962	14.348	ug/l	96
6) Chloroethane	2.26	64	27461	16.184	ug/l	90
7) Trichlorofluoromethane	2.54	101	158660	19.483	ug/l	99
8) Diethyl Ether	2.88	74	57275	21.319	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.16	101	182119	20.003	ug/l	95
10) Methyl Iodide	3.32	142	218414	19.331	ug/l	97
11) Tert butyl alcohol	4.07	59	37923	96.256	ug/l #	94
12) 1,1-Dichloroethene	3.14	96	155505	20.837	ug/l	95
13) Acrolein	3.05	56	52454	92.016	ug/l	95
14) Allyl chloride	3.63	41	254128	21.282	ug/l	99
15) Acrylonitrile	4.20	53	145319	104.362	ug/l	95
16) Acetone	3.23	43	180293	101.878	ug/l	97
17) Carbon Disulfide	3.39	76	475220	18.876	ug/l	100
18) Methyl Acetate	3.65	43	71192	20.441	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	276197	21.117	ug/l	98
20) Methylene Chloride	3.83	84	204921	22.865	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	166514	20.614	ug/l	94
22) Diisopropyl ether	5.13	45	494876	19.964	ug/l	96
23) Vinyl Acetate	5.07	43	1376736	108.193	ug/l	99
24) 1,1-Dichloroethane	5.00	63	289984	21.352	ug/l	99
25) 2-Butanone	6.08	43	222369	110.735	ug/l	100
26) 2,2-Dichloropropane	6.03	77	223743	21.103	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	188810	22.030	ug/l	96
28) Bromochloromethane	6.46	49	103485	17.999	ug/l	96
29) Tetrahydrofuran	6.47	42	109272	100.212	ug/l	98
30) Chloroform	6.67	83	281175	19.976	ug/l	99
31) Cyclohexane	6.97	56	213396	19.486	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	234905	19.303	ug/l	98
36) 1,1-Dichloropropene	7.16	75	214855	20.719	ug/l	99
37) Ethyl Acetate	6.19	43	97328	20.000	ug/l	100
38) Carbon Tetrachloride	7.13	117	244398	21.395	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061001.D
 Acq On : 11 Mar 2019 13:35
 Operator : VA/AP
 Sample : VD0311SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Quant Time: Mar 12 05:42:10 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)
39) Methylcyclohexane	8.88	83	231683	21.546	ug/l	99
40) Benzene	7.47	78	576479	22.247	ug/l	100
41) Methacrylonitrile	6.46	41	112986	20.186	ug/l	98
42) 1,2-Dichloroethane	7.59	62	159858	21.259	ug/l	100
43) Isopropyl Acetate	9.25	43	141297	20.964	ug/l #	96
44) Trichloroethene	8.55	130	196112	21.938	ug/l	100
45) 1,2-Dichloropropane	8.95	63	145829	21.421	ug/l	99
46) Dibromomethane	9.08	93	92749	21.478	ug/l	93
47) Bromodichloromethane	9.39	83	211389	21.693	ug/l	99
48) Methyl methacrylate	9.13	41	88339	23.279	ug/l	97
49) 1,4-Dioxane	9.10	88	17877	465.873	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	453829	109.909	ug/l	99
52) Toluene	10.52	92	352535	21.879	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	176769	19.838	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	235786	22.023	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	114023	21.249	ug/l	97
56) Ethyl methacrylate	11.05	69	115726	20.604	ug/l	98
57) 1,3-Dichloropropane	11.42	76	181499	22.634	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	274923	92.472	ug/l	97
59) 2-Hexanone	11.54	43	310773	102.890	ug/l	96
60) Dibromochloromethane	11.69	129	166041	21.025	ug/l	97
61) 1,2-Dibromoethane	11.81	107	130989	20.984	ug/l	98
64) Tetrachloroethene	11.27	164	147379	20.775	ug/l	97
65) Chlorobenzene	12.40	112	444039	21.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	164347	22.379	ug/l	98
67) Ethyl Benzene	12.53	91	667935	21.777	ug/l	99
68) m/p-Xylenes	12.68	106	495749	41.181	ug/l	98
69) o-Xylene	13.05	106	236032	19.946	ug/l	97
70) Styrene	13.08	104	348020	18.011	ug/l	96
71) Bromoform	13.24	173	91816	19.381	ug/l	96
73) Isopropylbenzene	13.41	105	627888	19.777	ug/l	98
74) N-amyl acetate	13.27	43	163978	18.342	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	127722	20.619	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	131912	20.813	ug/l	97
77) Bromobenzene	13.67	156	171360	21.144	ug/l	90
78) n-propylbenzene	13.78	91	743806	20.012	ug/l	97
79) 2-Chlorotoluene	13.85	91	442256	21.613	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	538100	22.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	38841	20.786	ug/l	97
82) 4-Chlorotoluene	13.95	91	501233	20.720	ug/l	94
83) tert-Butylbenzene	14.19	119	568954	21.570	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	538100	22.325	ug/l	99
85) sec-Butylbenzene	14.37	105	652895	20.275	ug/l	98
86) p-Isopropyltoluene	14.50	119	575249	21.854	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	304909	21.069	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	313086	22.015	ug/l	95
89) n-Butylbenzene	14.81	91	531932	21.044	ug/l	97
90) Hexachloroethane	15.01	117	143647	19.327	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	273451	22.665	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15906	21.309	ug/l	86

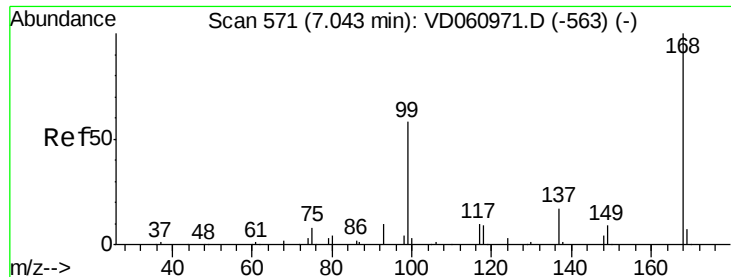
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
Data File : VD061001.D
Acq On : 11 Mar 2019 13:35
Operator : VA/AP
Sample : VD0311SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Quant Time: Mar 12 05:42:10 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)
93) 1,2,4-Trichlorobenzene	15.95	180	127294	22.744	ug/l	98
94) Hexachlorobutadiene	16.05	225	78661	18.581	ug/l	100
95) Naphthalene	16.12	128	202003	23.751	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	67457	24.403	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

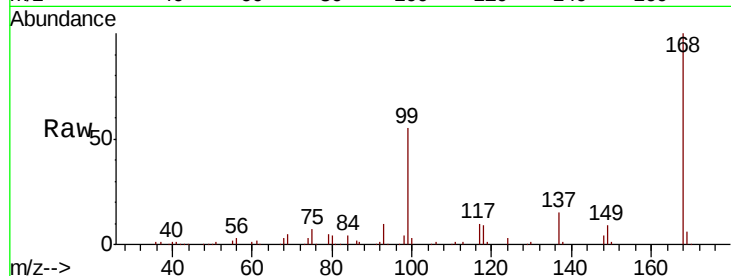
VD0311SBSD01

Tot Ion:168 Resp: 743483

Ion Ratio Lower Upper

168 100

99 54.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

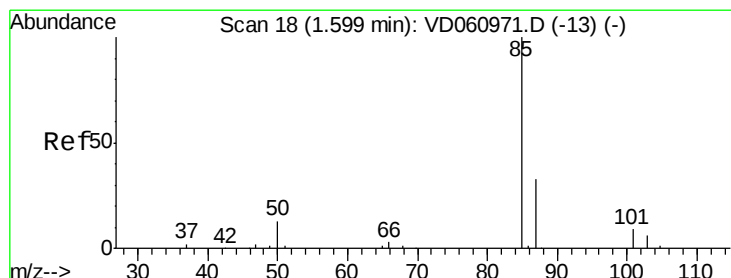
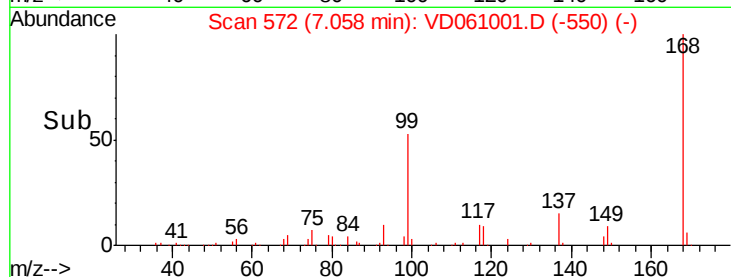
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.826 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061001.D

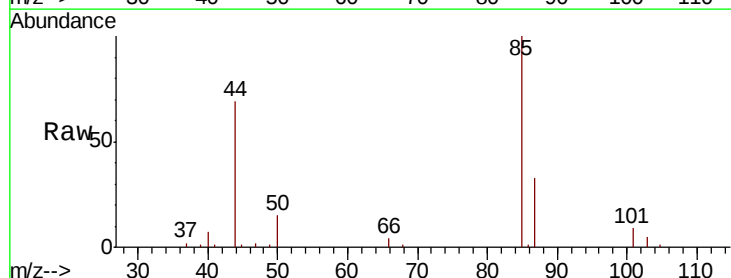
Acq: 11 Mar 2019 13:35

Tgt Ion: 85 Resp: 153375

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

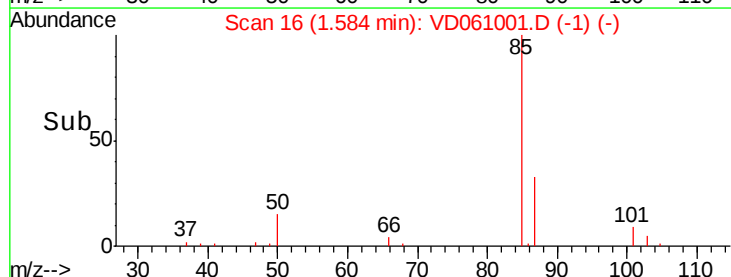
60000

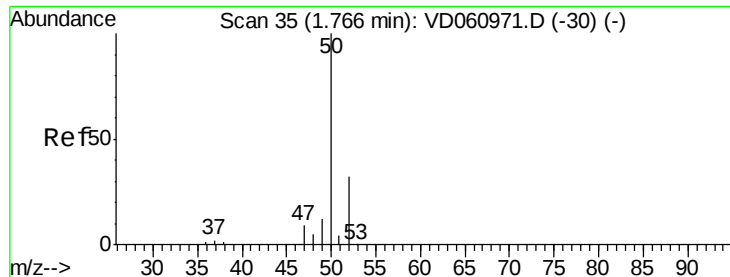
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.143 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

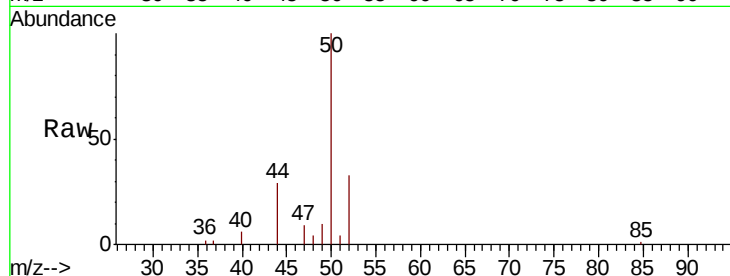
VD0311SBSD01

Tot Ion: 50 Resp: 123576

Ion Ratio Lower Upper

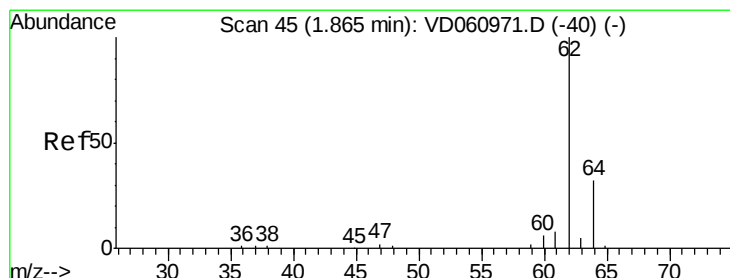
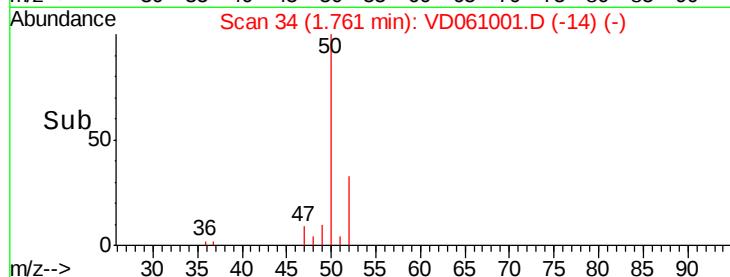
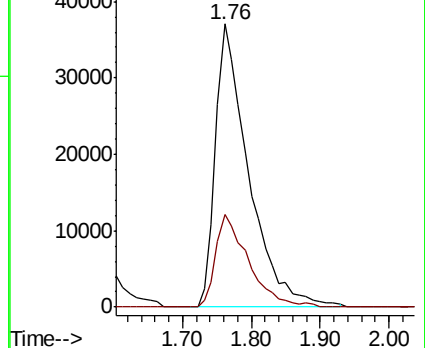
50 100

52 32.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.018 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061001.D

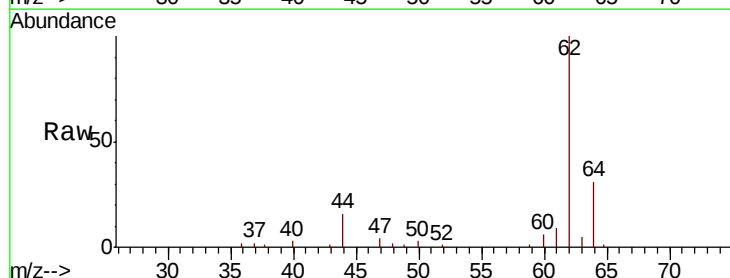
Acq: 11 Mar 2019 13:35

Tgt Ion: 62 Resp: 119151

Ion Ratio Lower Upper

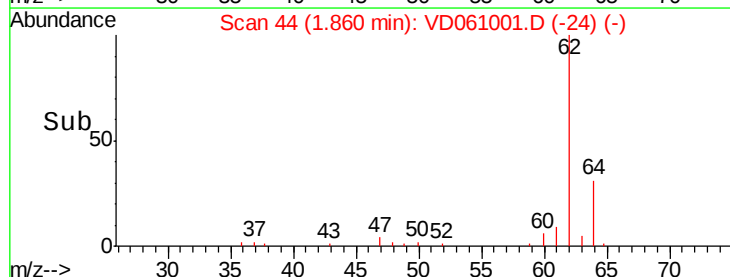
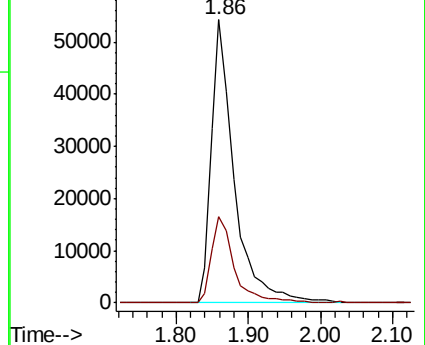
62 100

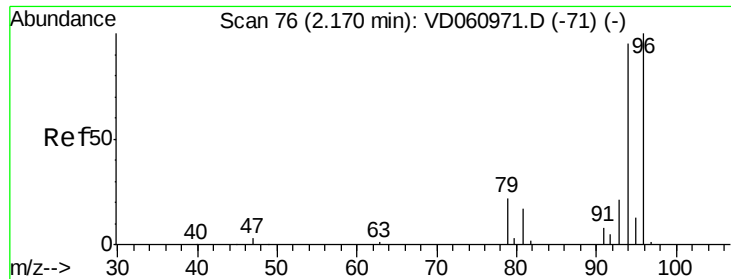
64 30.6 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.348 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

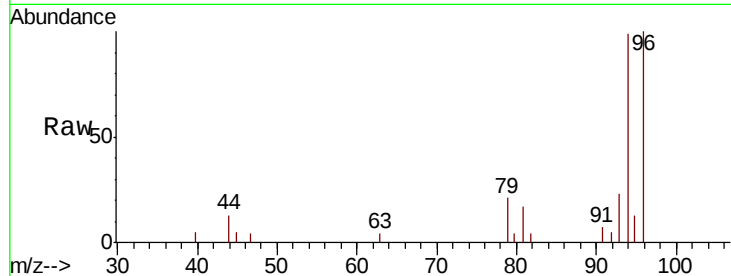
Tot Ion: 94 Resp: 16962

Ion Ratio Lower Upper

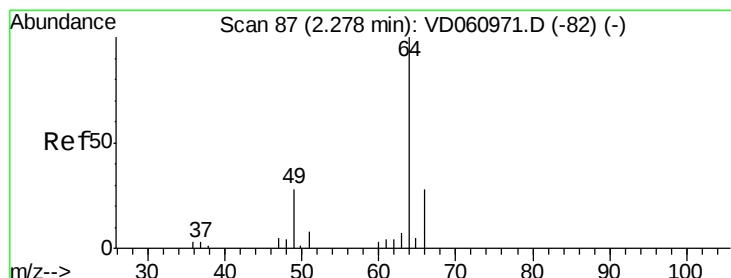
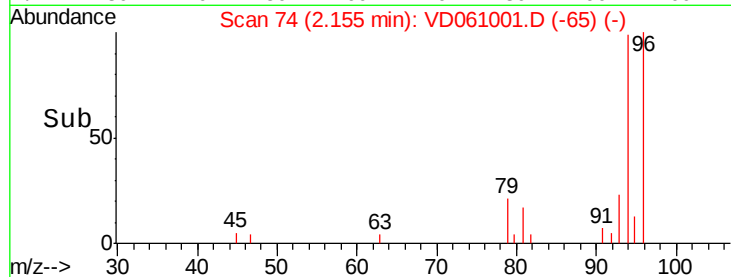
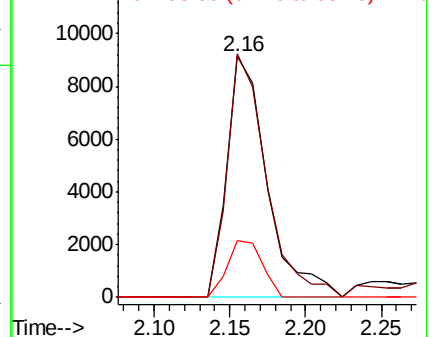
94 100

96 101.1 84.0 126.0

93 23.5 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: 16.184 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061001.D

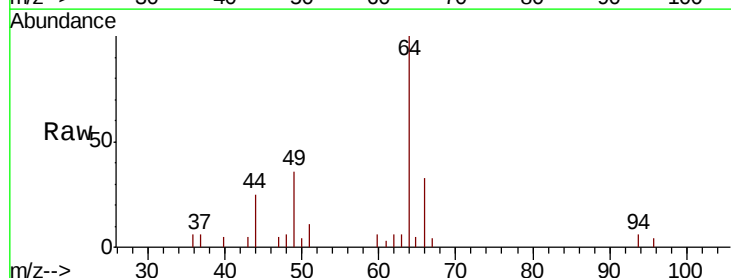
Acq: 11 Mar 2019 13:35

Tgt Ion: 64 Resp: 27461

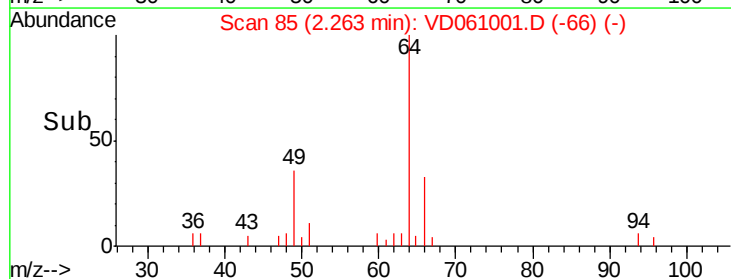
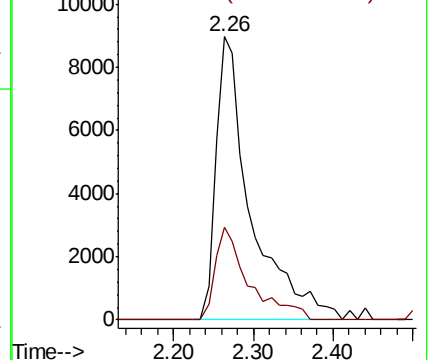
Ion Ratio Lower Upper

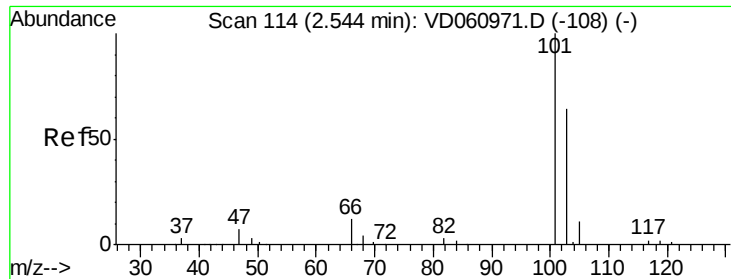
64 100

66 32.9 22.2 33.2



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



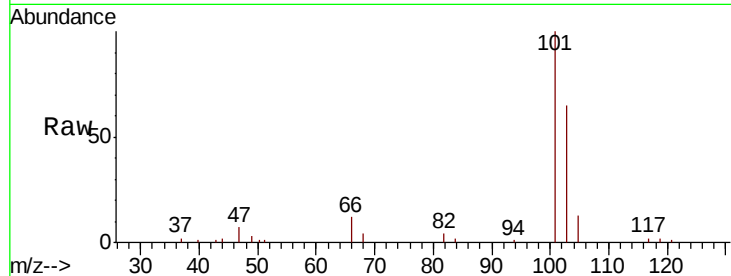


#7

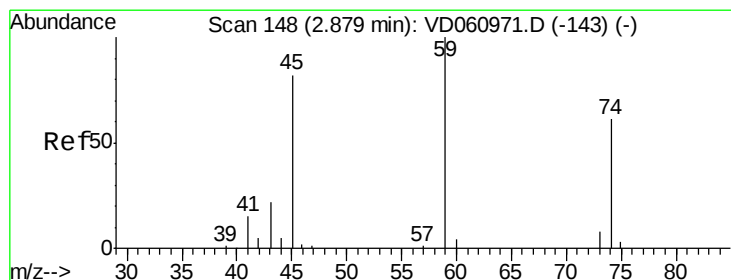
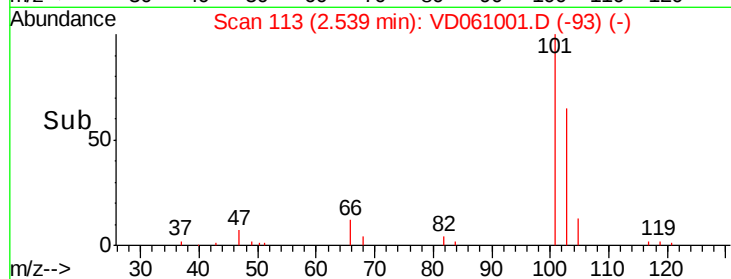
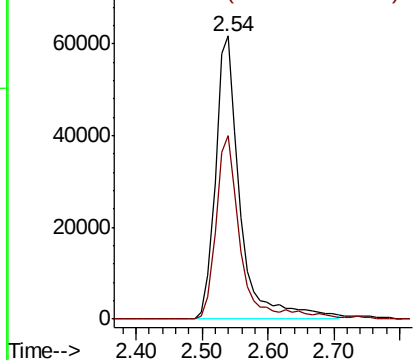
Trichlorofluoromethane
 Concen: 19.483 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion:101 Resp: 158660
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8



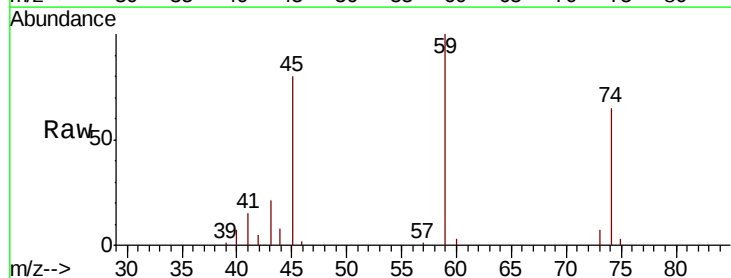
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



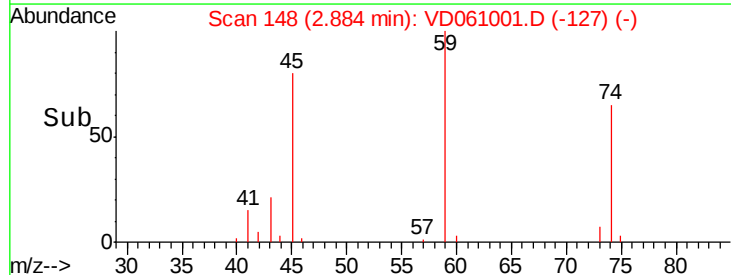
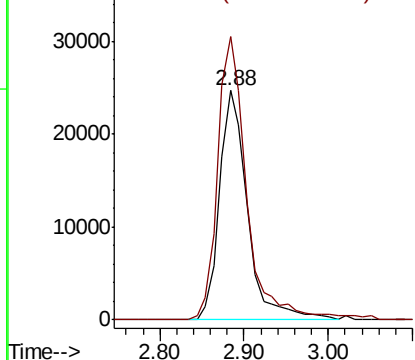
#8

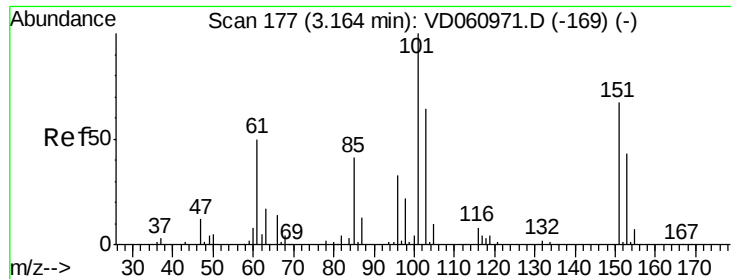
Diethyl Ether
 Concen: 21.319 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion: 74 Resp: 57275
 Ion Ratio Lower Upper
 74 100
 45 123.3 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.003 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

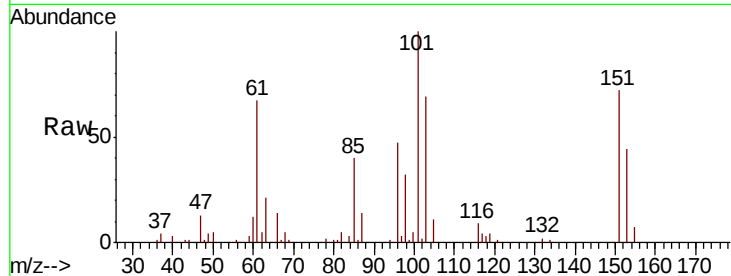
Tot Ion:101 Resp: 182119

Ion Ratio Lower Upper

101 100

85 40.5 32.5 48.7

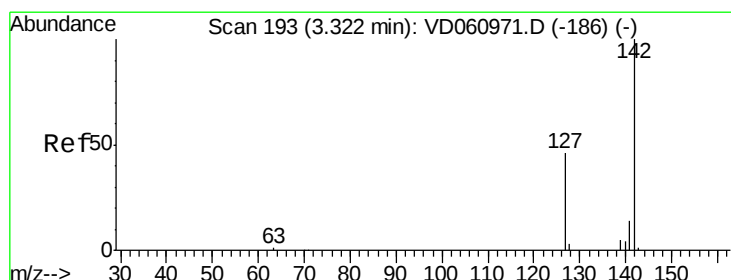
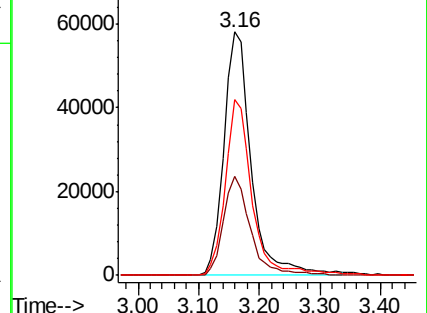
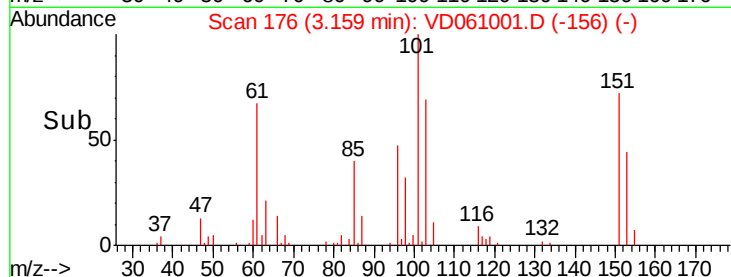
151 72.4 53.3 79.9



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: 19.331 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

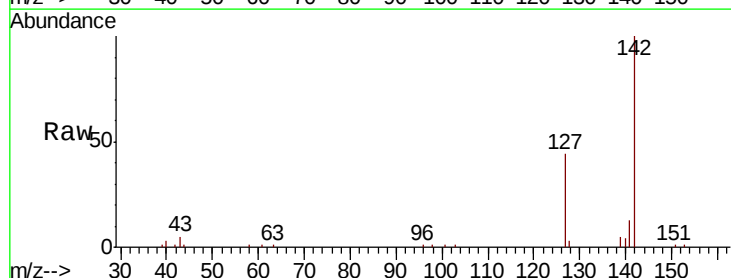
Tgt Ion:142 Resp: 218414

Ion Ratio Lower Upper

142 100

127 43.9 36.8 55.2

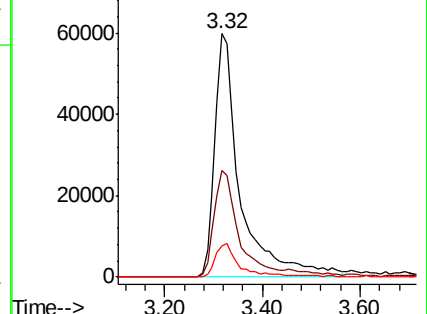
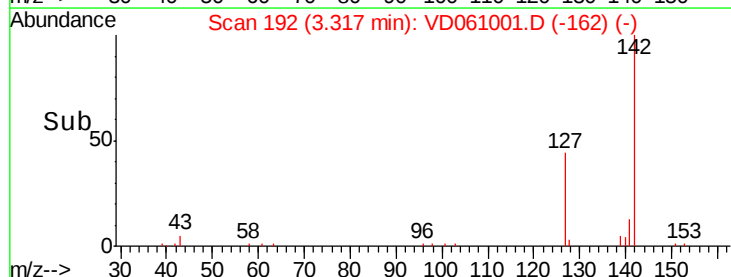
141 12.8 11.2 16.8

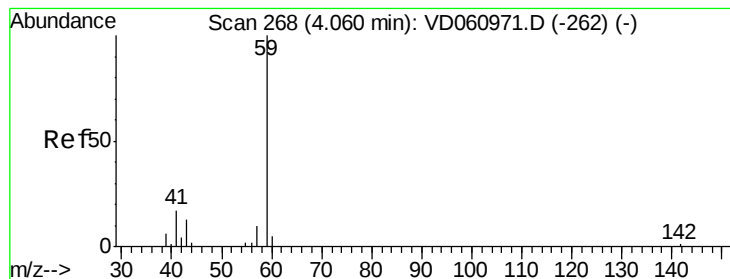


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 96.256 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

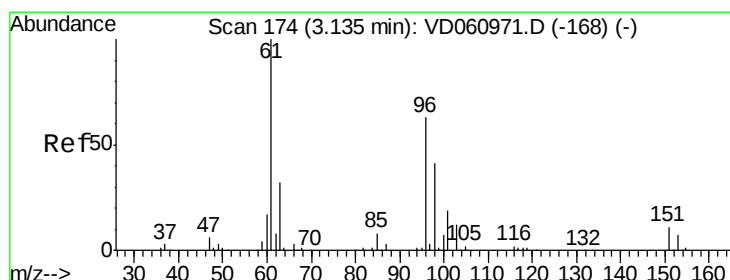
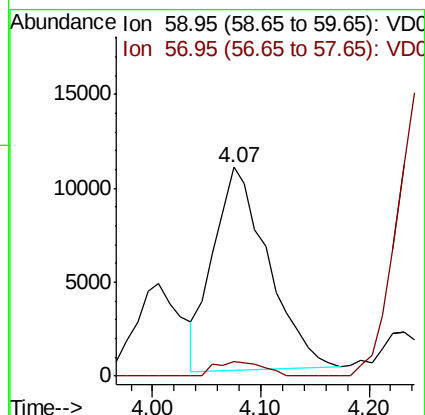
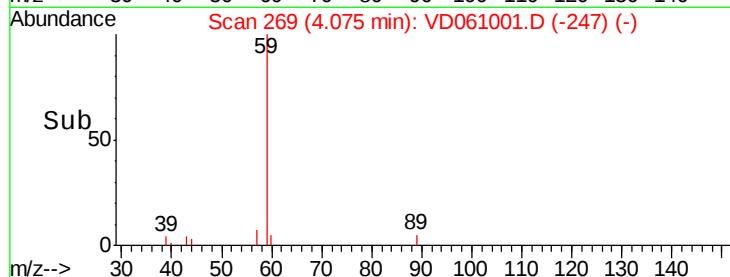
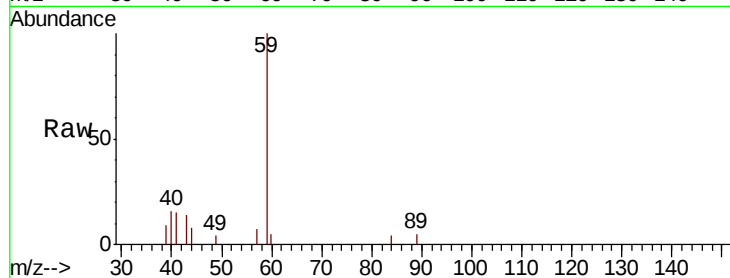
VD0311SBSD01

Tot Ion: 59 Resp: 37923

Ion Ratio Lower Upper

59 100

57 6.9 7.1 10.7#



#12

1,1-Dichloroethene

Concen: 20.837 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

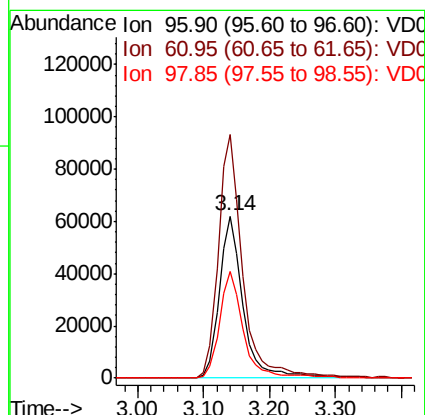
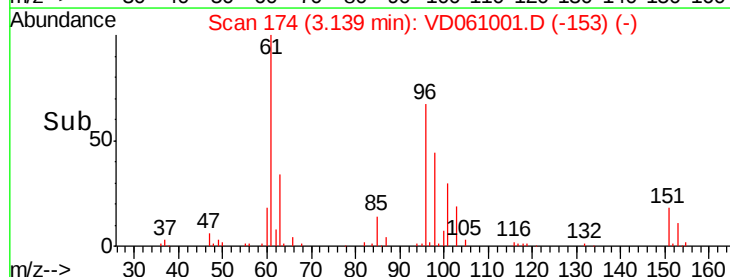
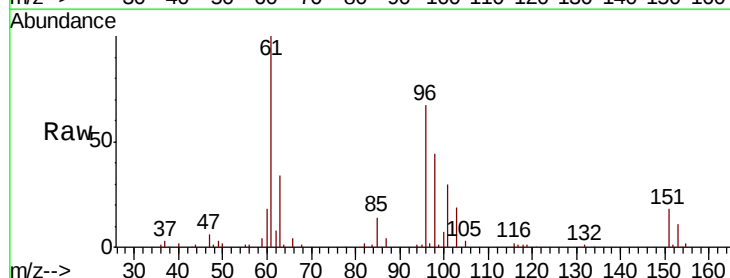
Tgt Ion: 96 Resp: 155505

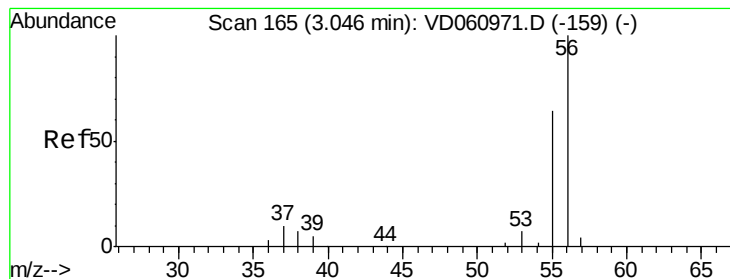
Ion Ratio Lower Upper

96 100

61 150.1 127.1 190.7

98 65.7 51.5 77.3





#13

Acrolein

Concen: 92.016 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

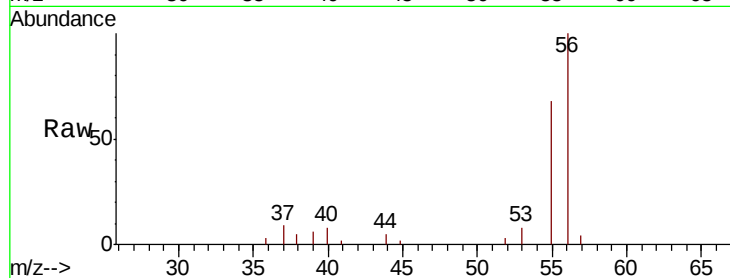
VD0311SBSD01

Tot Ion: 56 Resp: 52454

Ion Ratio Lower Upper

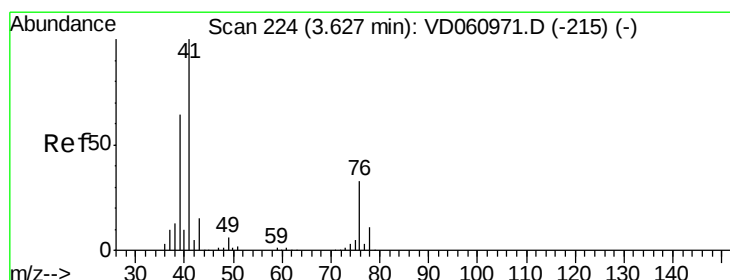
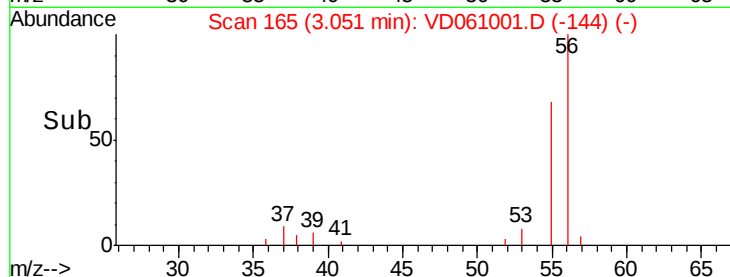
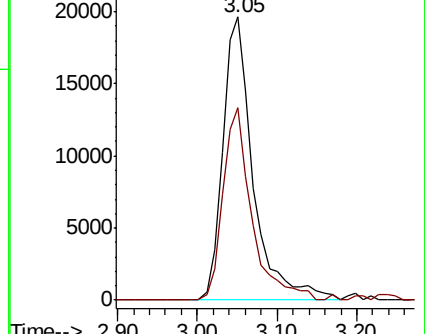
56 100

55 68.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.282 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

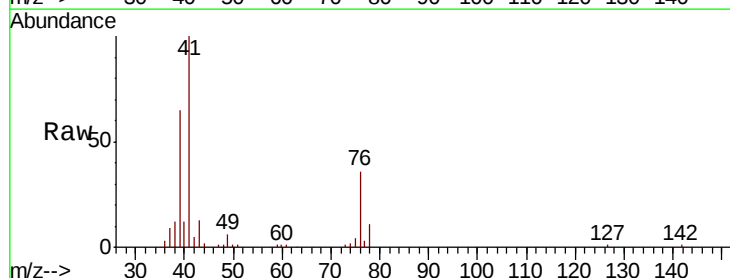
Tgt Ion: 41 Resp: 254128

Ion Ratio Lower Upper

41 100

39 64.5 51.1 76.7

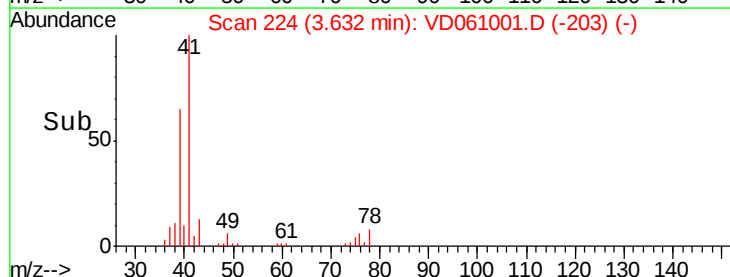
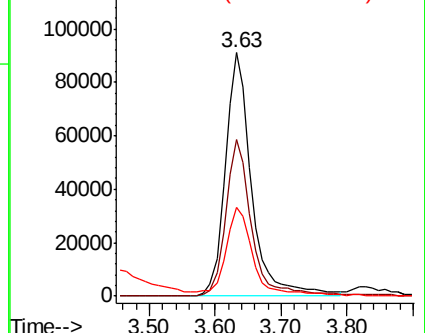
76 36.3 29.1 43.7

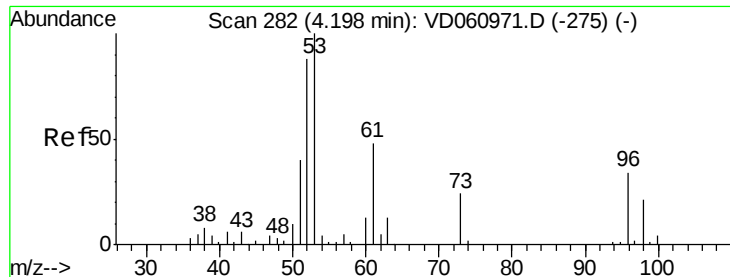


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.362 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

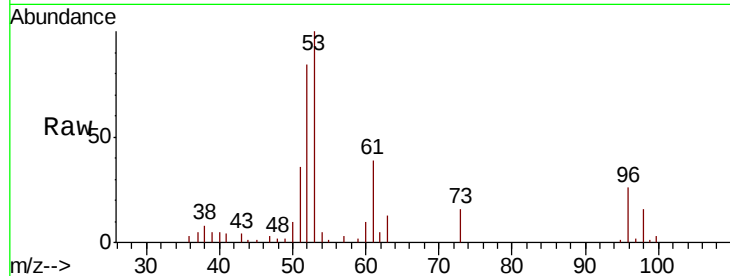
Tot Ion: 53 Resp: 145319

Ion Ratio Lower Upper

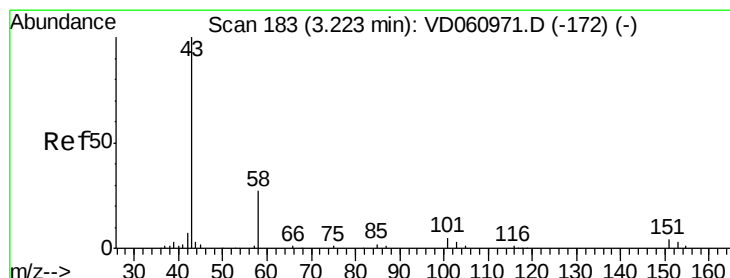
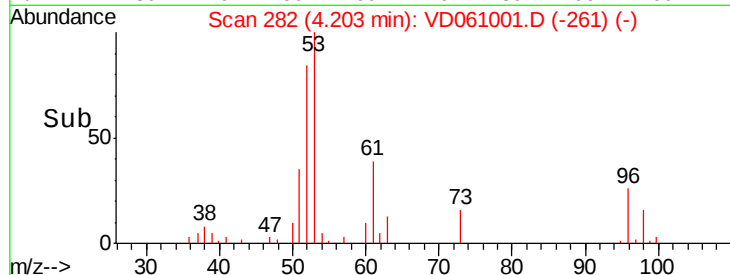
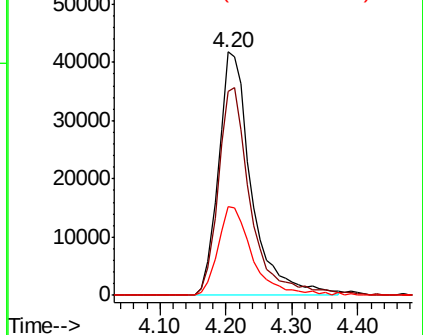
53 100

52 83.6 70.2 105.4

51 36.3 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: 101.878 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061001.D

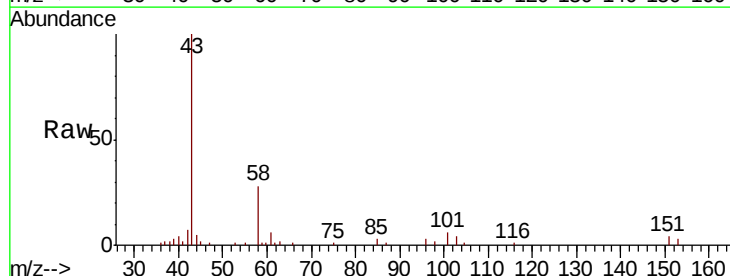
Acq: 11 Mar 2019 13:35

Tgt Ion: 43 Resp: 180293

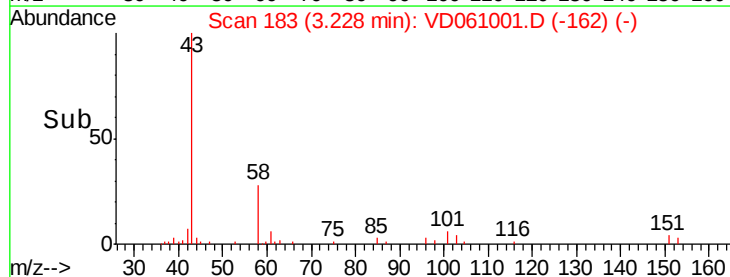
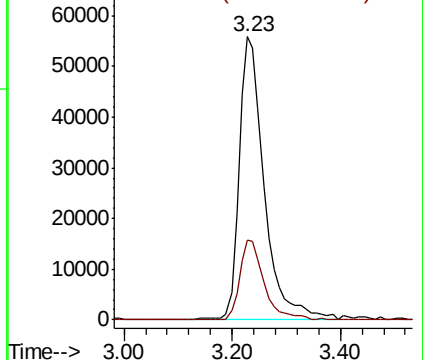
Ion Ratio Lower Upper

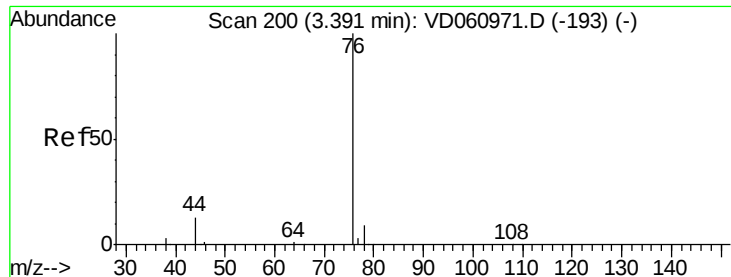
43 100

58 28.4 21.6 32.4



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

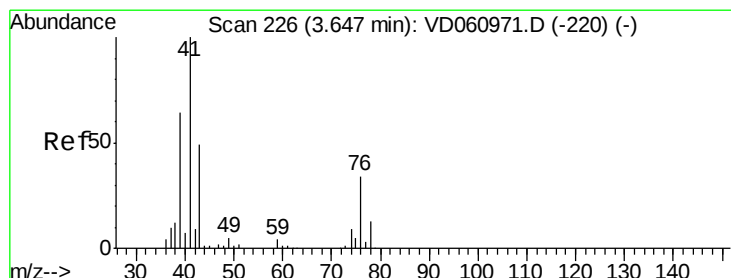
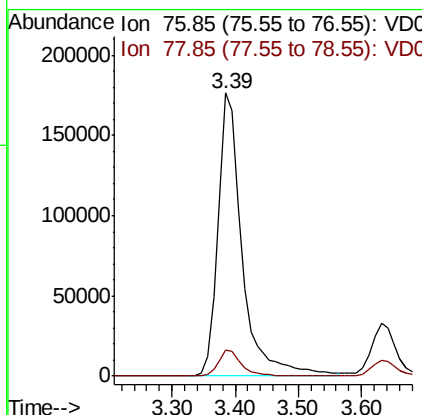
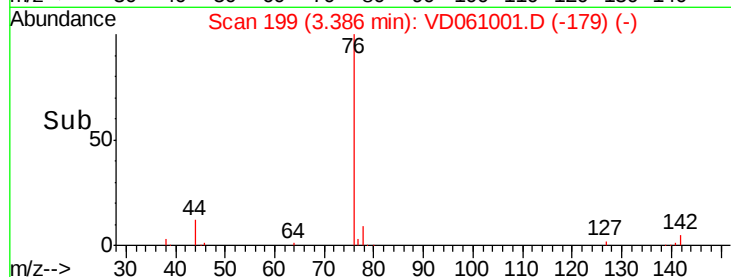
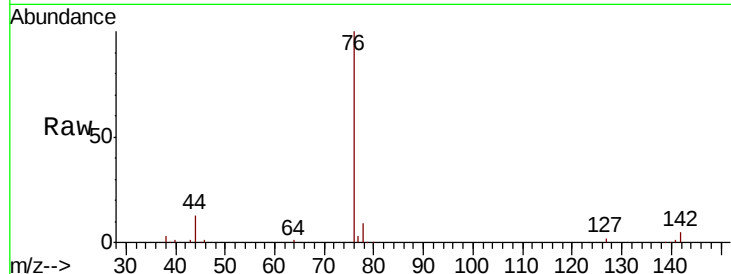




#17
Carbon Disulfide
Concen: 18.876 ug/l
RT: 3.39 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

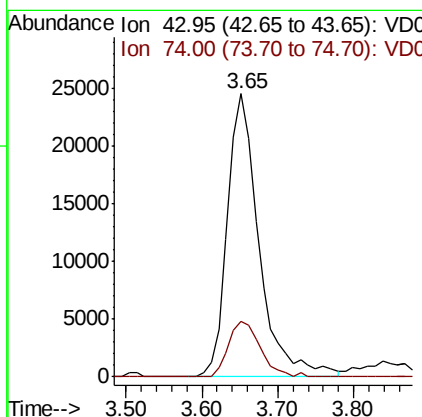
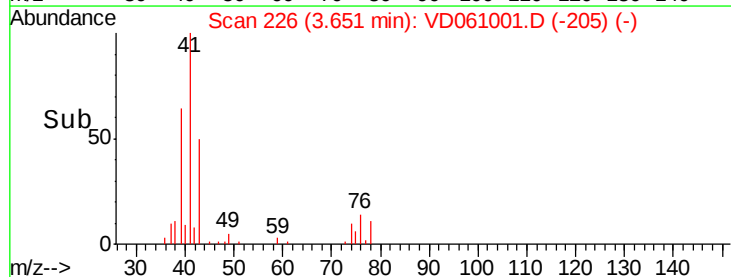
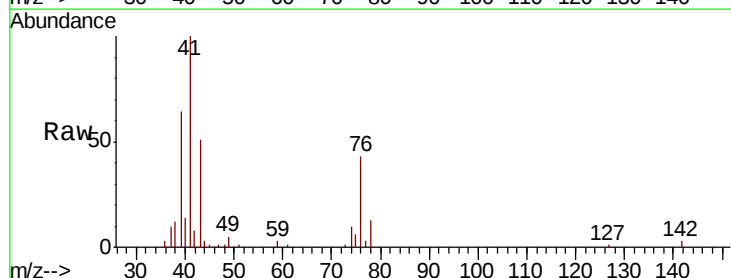
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

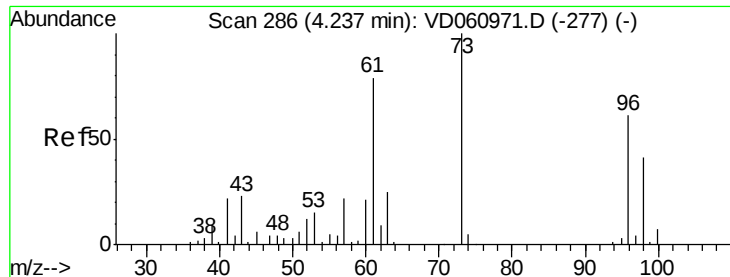
Tot Ion: 76 Resp: 475220
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 20.441 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 43 Resp: 71192
Ion Ratio Lower Upper
43 100
74 19.5 14.6 21.8

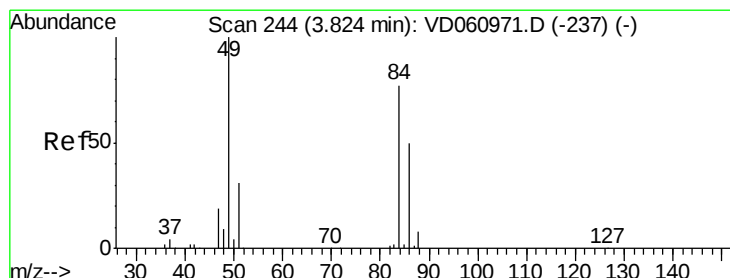
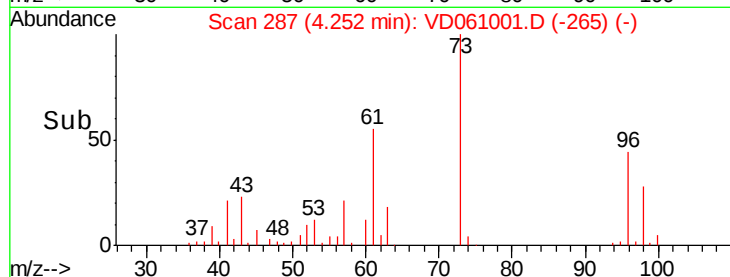
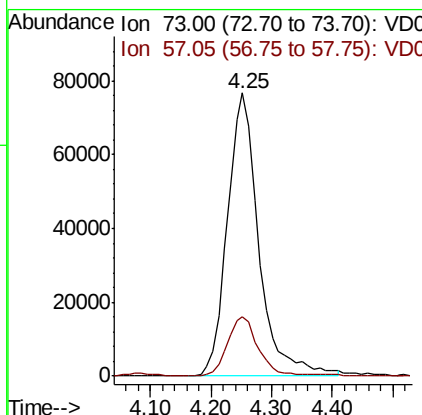
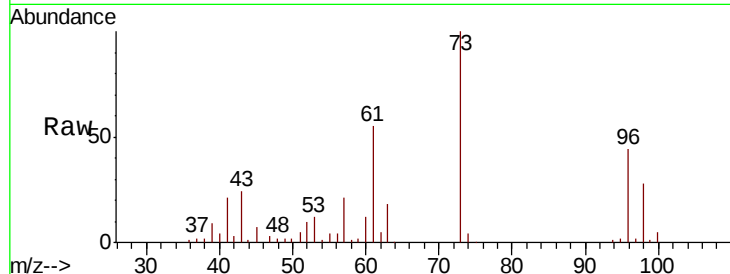




#19
Methvl tert-butvl Ether
Concen: 21.117 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

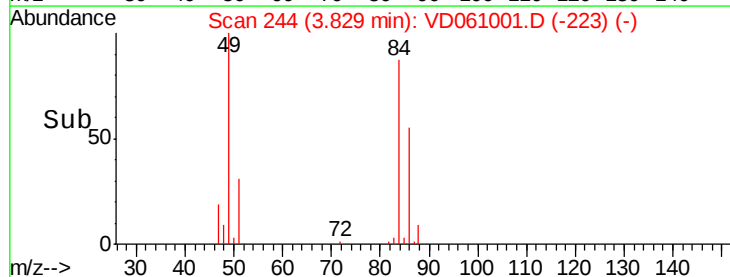
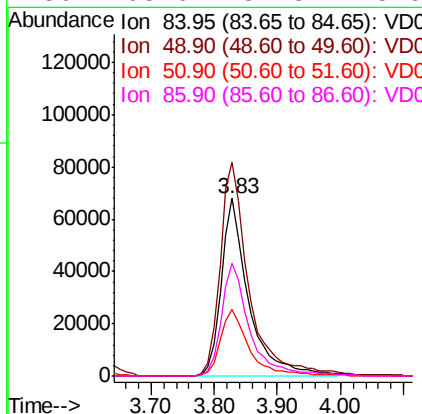
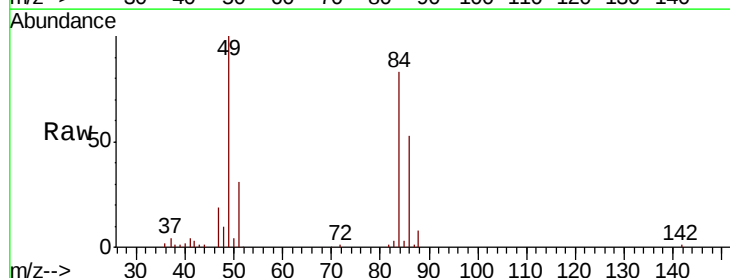
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

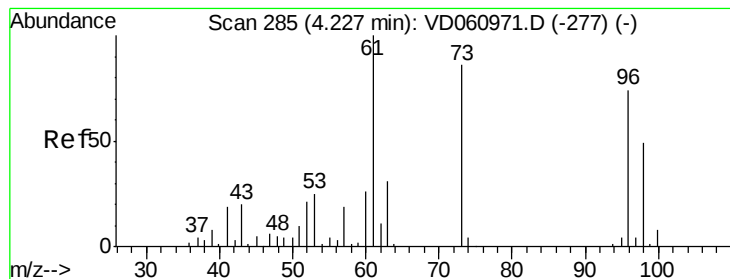
Tot Ion: 73 Resp: 276197
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5



#20
Methylene Chloride
Concen: 22.865 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 84 Resp: 204921
Ion Ratio Lower Upper
84 100
49 120.3 104.2 156.2
51 37.3 32.3 48.5
86 63.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.614 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

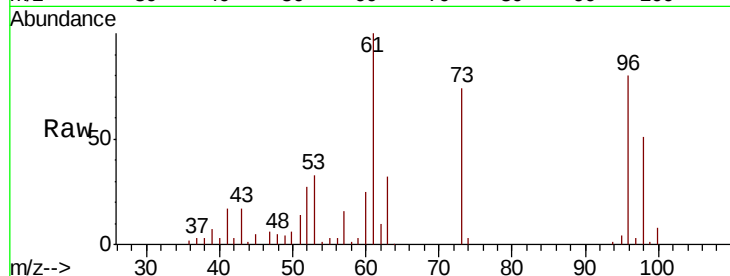
Tot Ion: 96 Resp: 166514

Ion Ratio Lower Upper

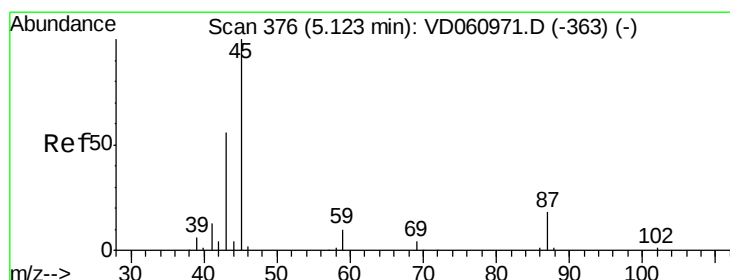
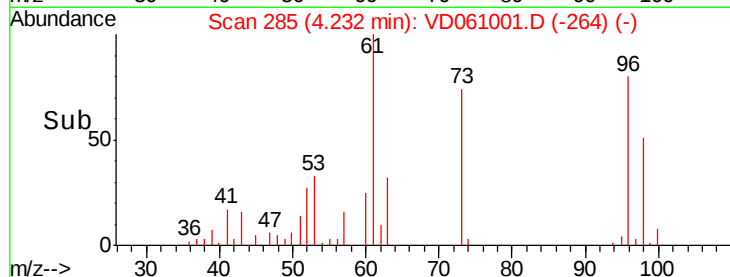
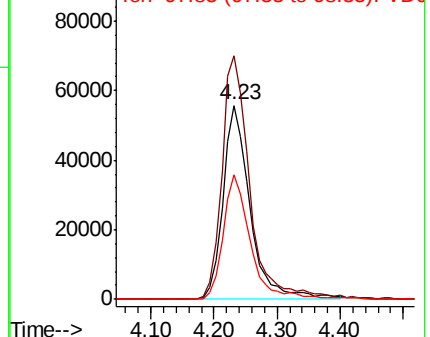
96 100

61 125.6 108.4 162.6

98 64.4 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: 19.964 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Tgt Ion: 45 Resp: 494876

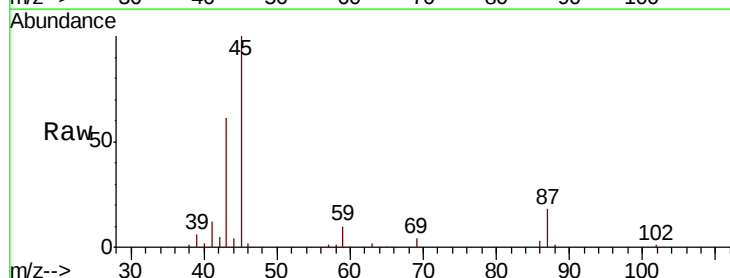
Ion Ratio Lower Upper

45 100

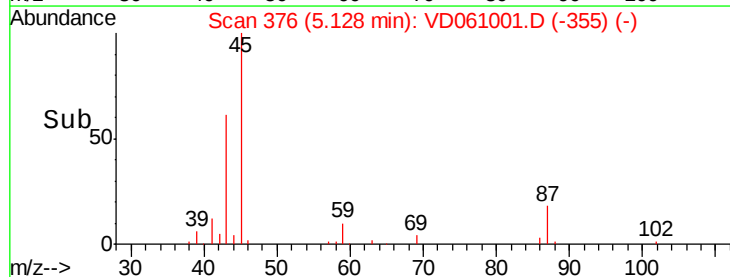
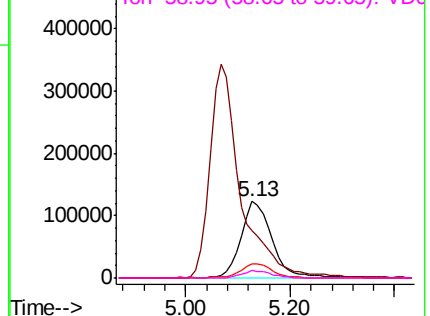
43 61.2 45.8 68.8

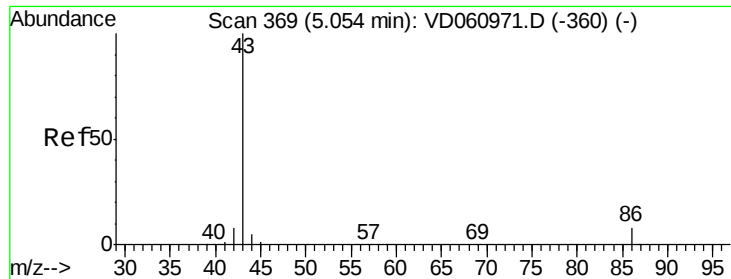
87 18.2 14.9 22.3

59 9.7 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: 108.193 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

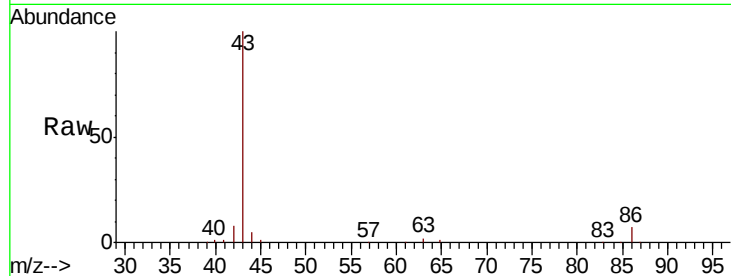
VD0311SBS01

Tot Ion: 43 Resp: 1376736

Ion Ratio Lower Upper

43 100

86 7.4 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

400000

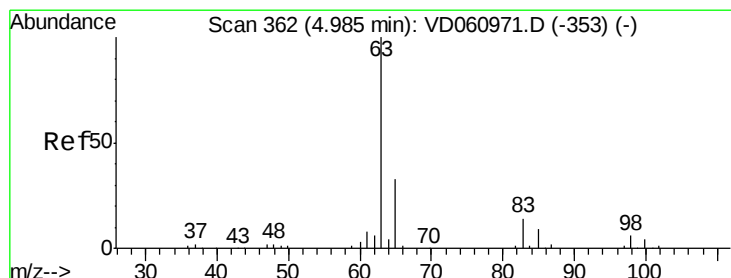
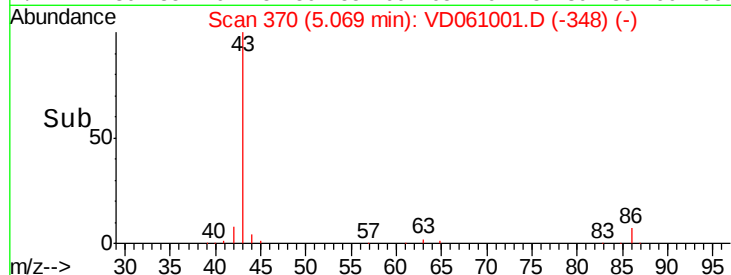
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.352 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

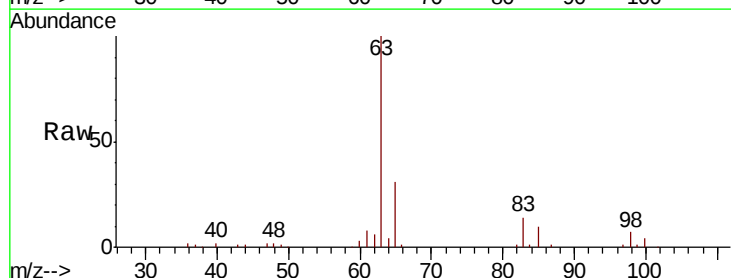
Tgt Ion: 63 Resp: 289984

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 3.6 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

5.00

100000

80000

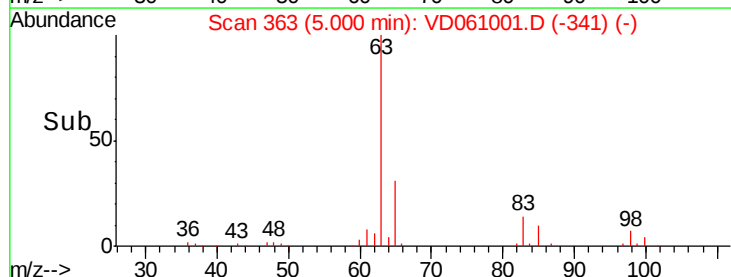
60000

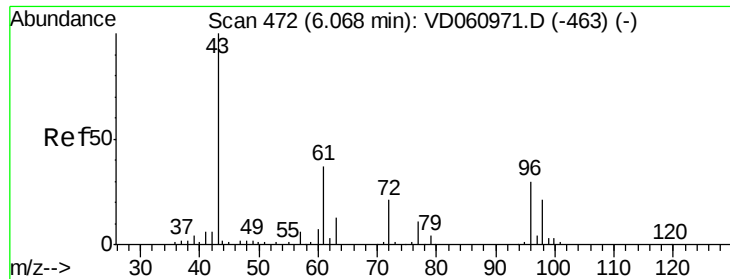
40000

20000

0

Time-->





#25

2-Butanone

Concen: 110.735 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

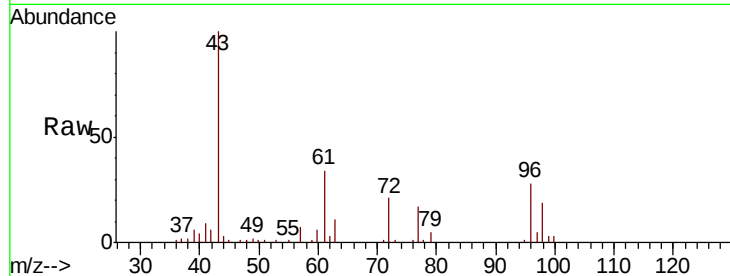
VD0311SBSD01

Tot Ion: 43 Resp: 222369

Ion Ratio Lower Upper

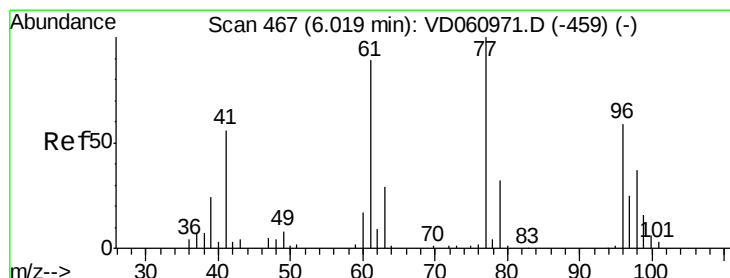
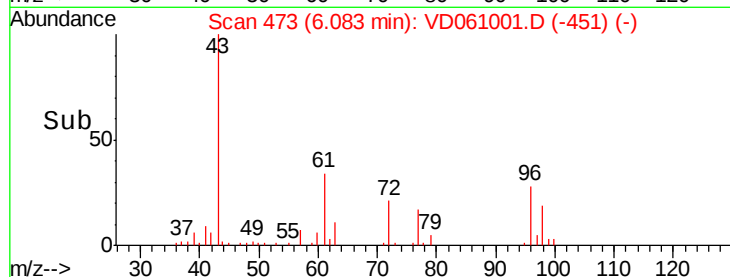
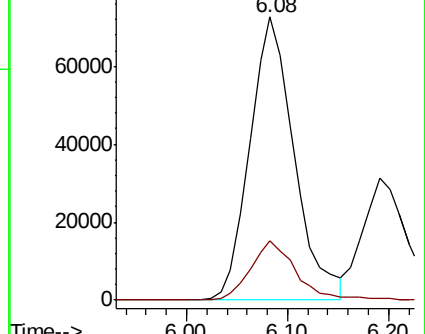
43 100

72 20.8 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: 21.103 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061001.D

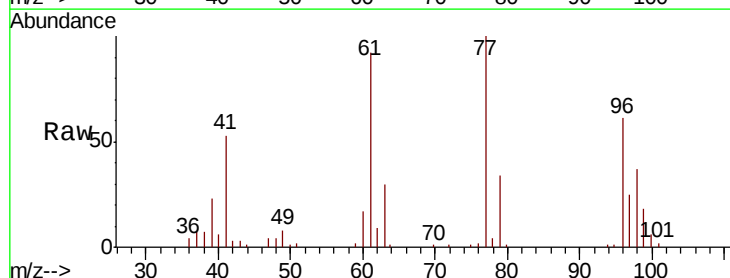
Acq: 11 Mar 2019 13:35

Tgt Ion: 77 Resp: 223743

Ion Ratio Lower Upper

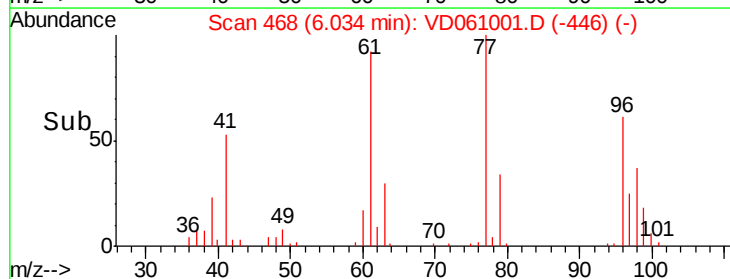
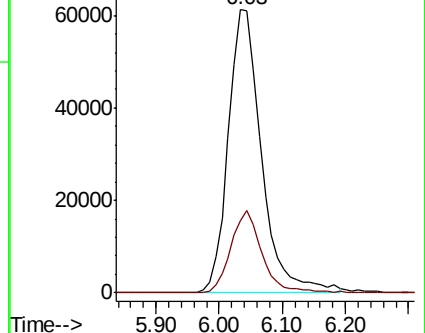
77 100

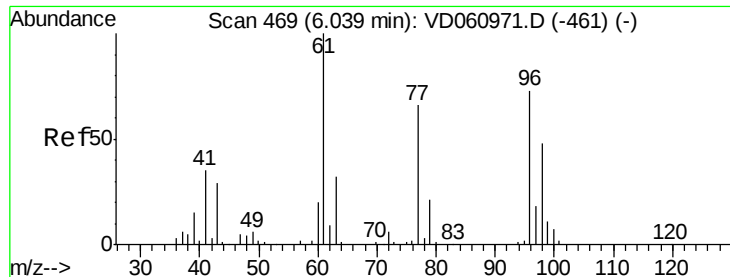
97 25.3 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



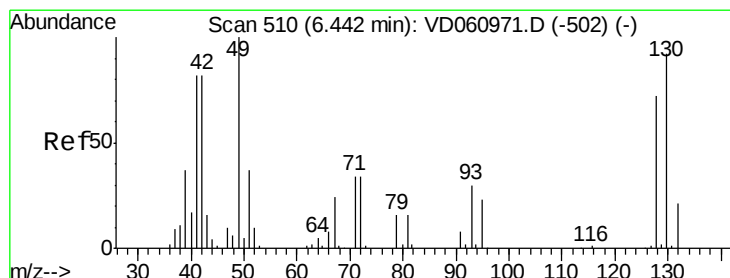
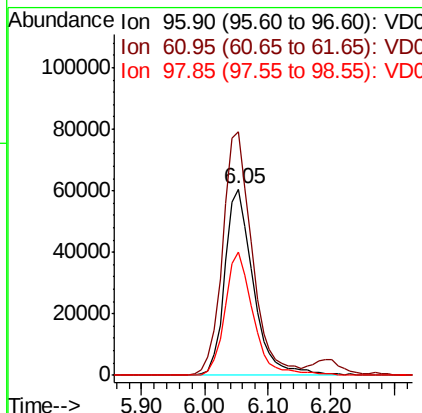
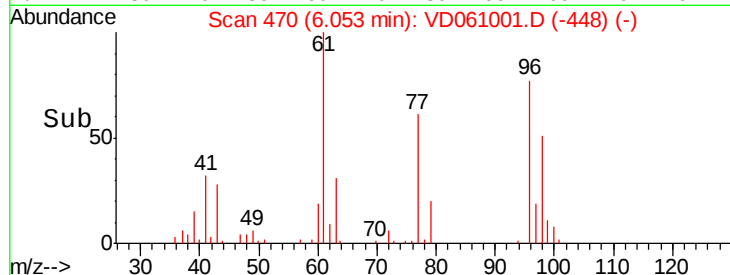
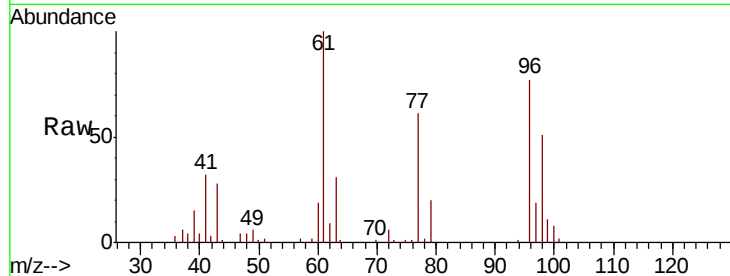


#27

cis-1,2-Dichloroethene
 Concen: 22.030 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

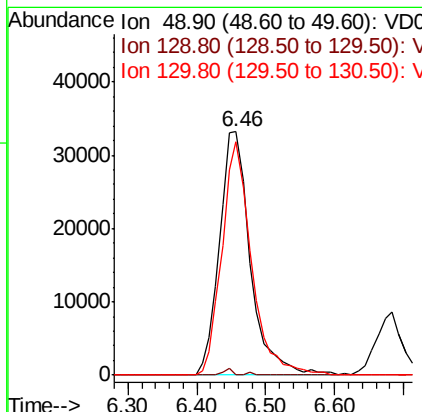
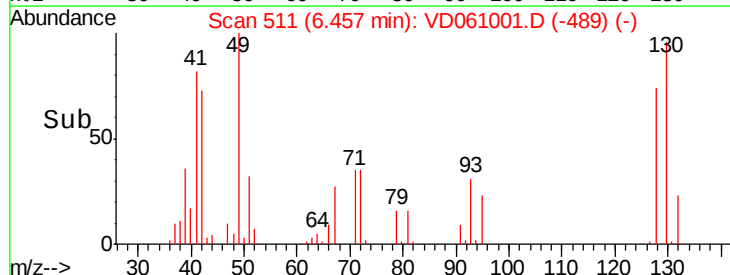
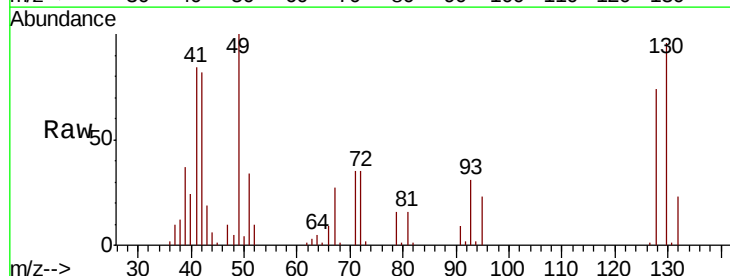
Tot Ion: 96 Resp: 188810
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 273.6
 98 66.0 0.0 132.6

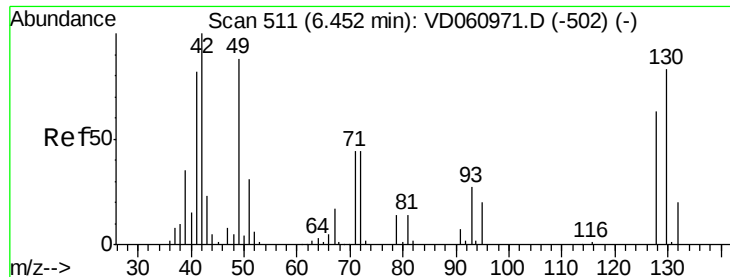


#28

Bromochloromethane
 Concen: 17.999 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion: 49 Resp: 103485
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 95.8 73.8 110.8





#29

Tetrahydrofuran

Concen: 100.212 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

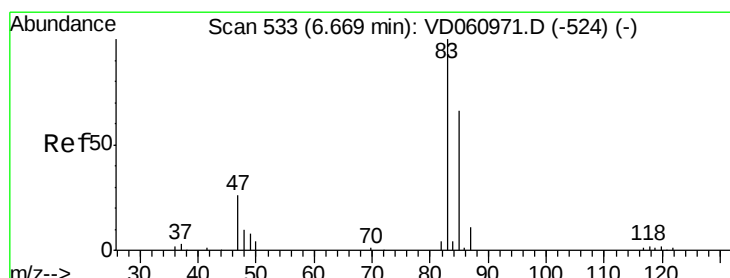
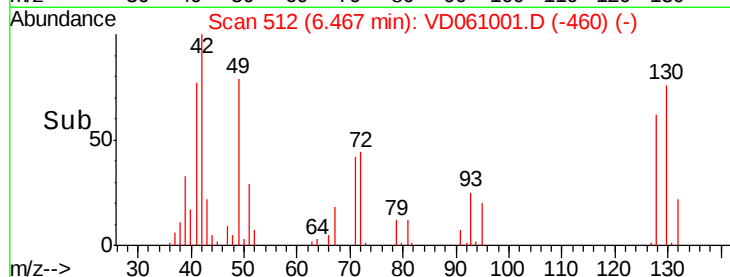
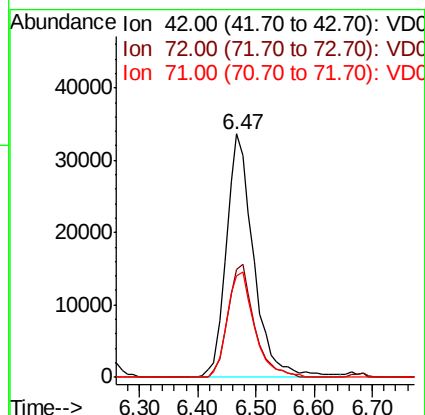
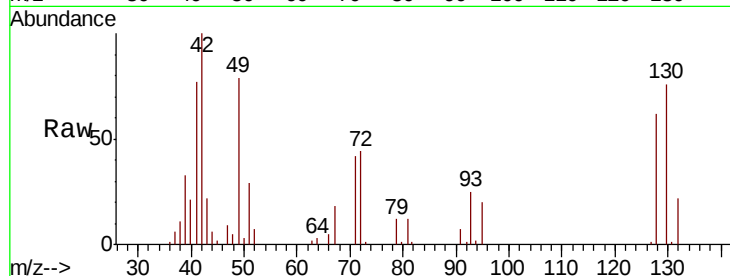
Tot Ion: 42 Resp: 109272

Ion Ratio Lower Upper

42 100

72 44.7 34.5 51.7

71 43.3 33.8 50.6



#30

Chloroform

Concen: 19.976 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061001.D

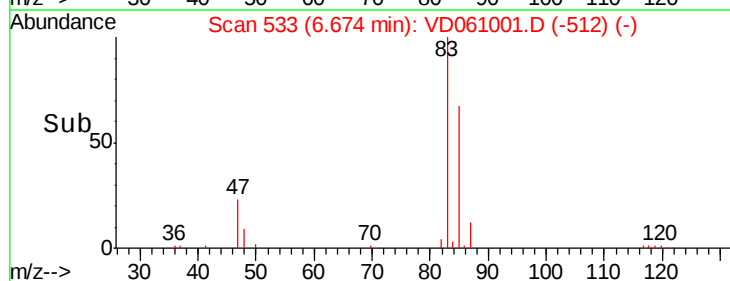
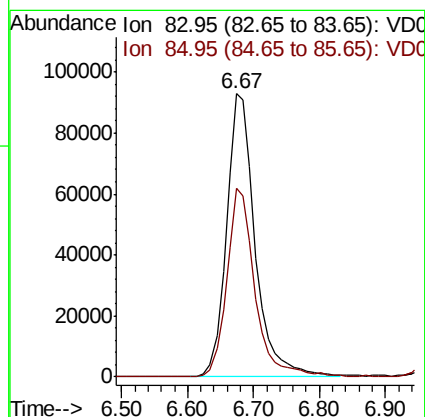
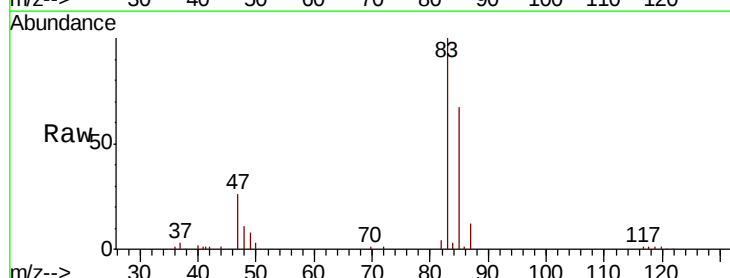
Acq: 11 Mar 2019 13:35

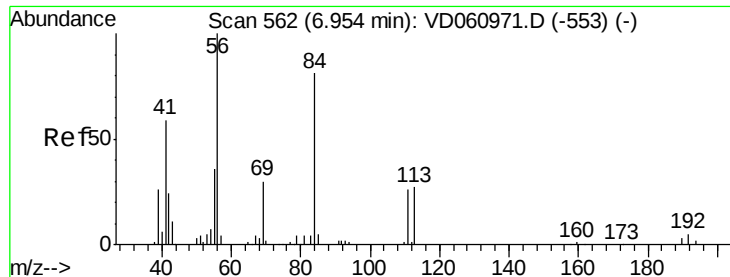
Tgt Ion: 83 Resp: 281175

Ion Ratio Lower Upper

83 100

85 66.7 53.0 79.4

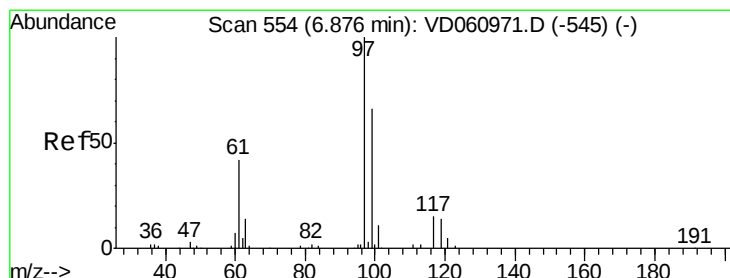
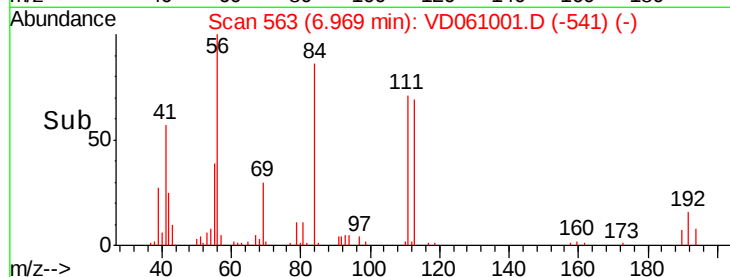
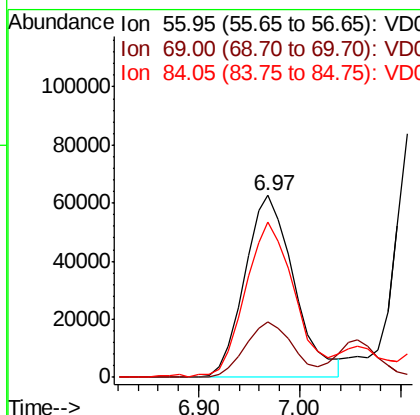
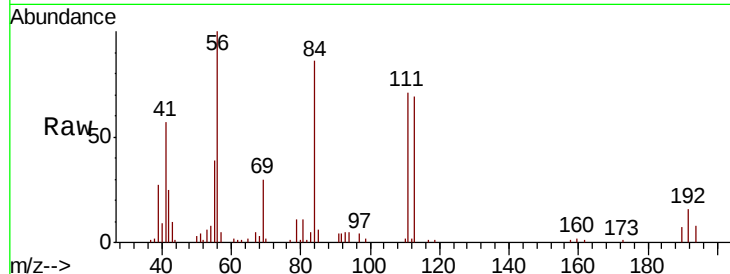




#31
Cyclohexane
Concen: 19.486 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

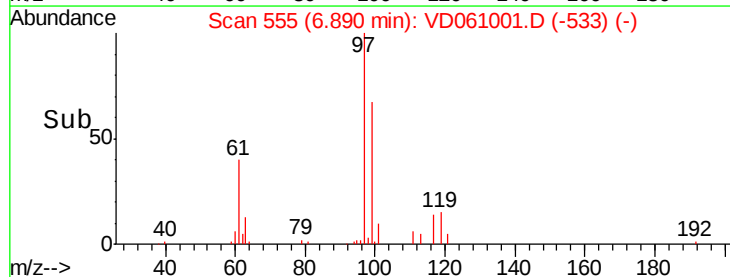
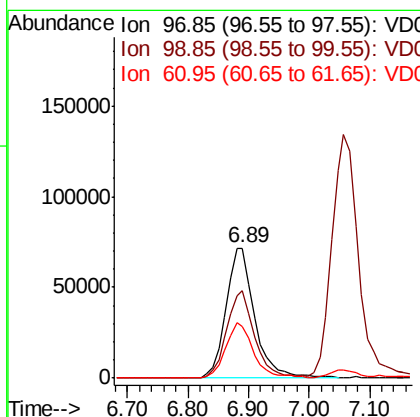
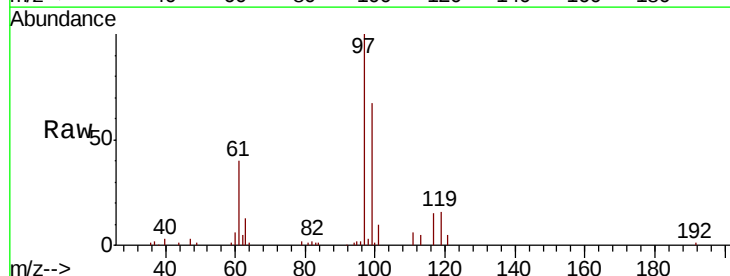
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

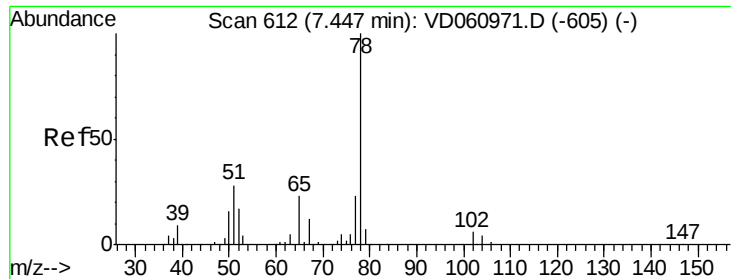
Tot Ion: 56 Resp: 213396
Ion Ratio Lower Upper
56 100
69 30.4 24.0 36.0
84 85.5 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 19.303 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 97 Resp: 234905
Ion Ratio Lower Upper
97 100
99 67.2 53.2 79.8
61 40.0 33.8 50.8

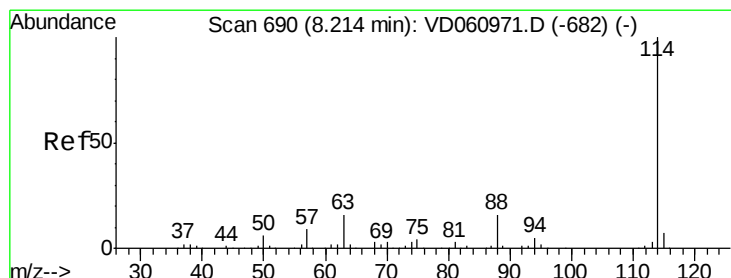
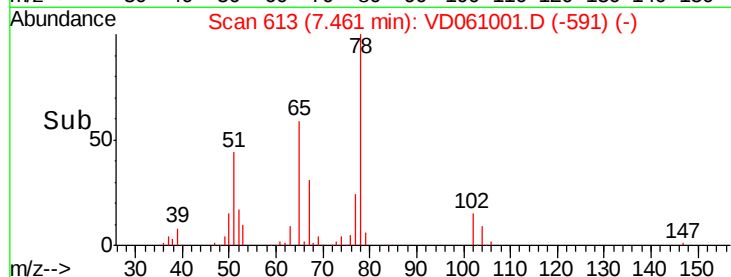
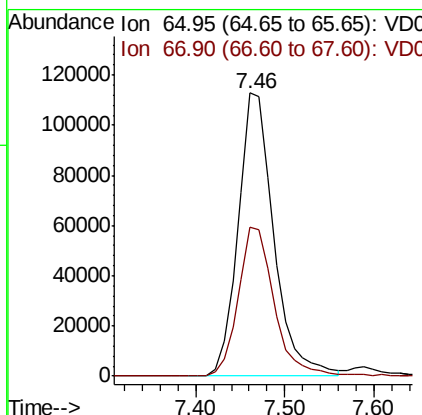
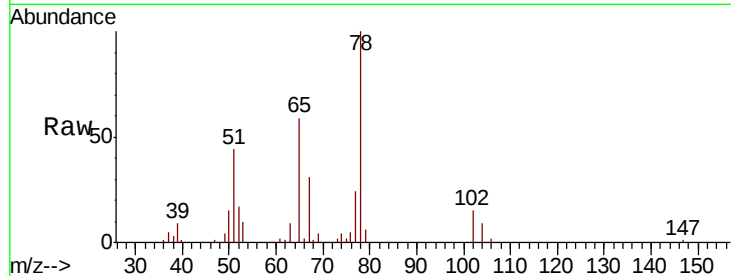




#33
 1,2-Dichloroethane-d4
 Concen: 19.303 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

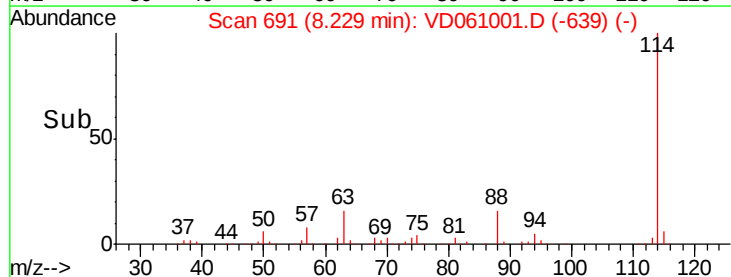
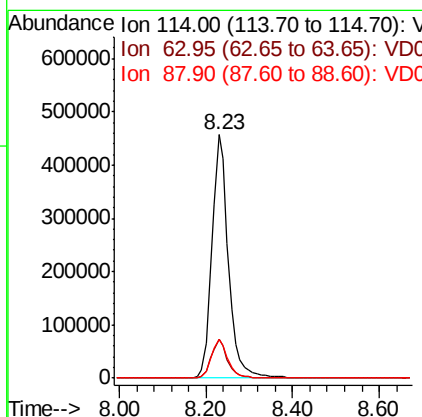
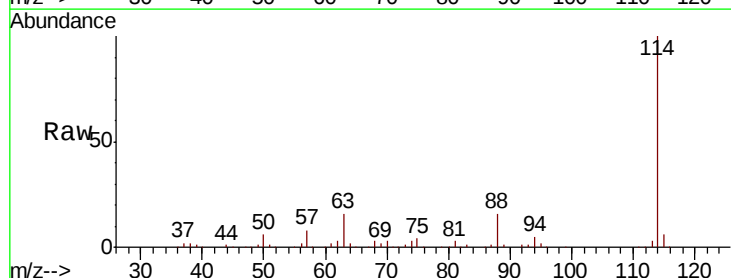
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

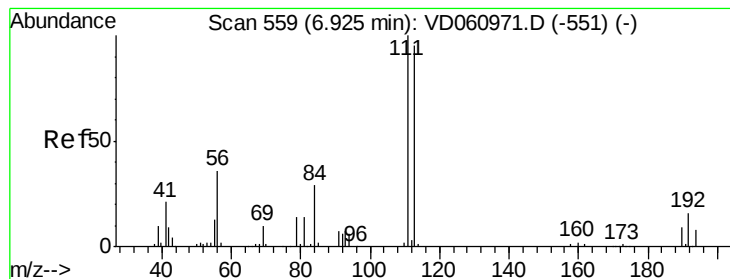
Tot Ion: 65 Resp: 313625
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion: 114 Resp: 1203049
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

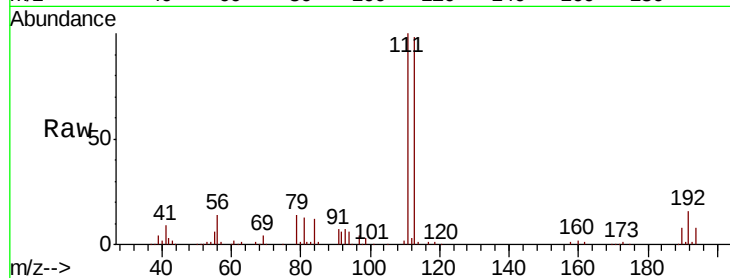
Tot Ion:113 Resp: 474089

Ion Ratio Lower Upper

113 100

111 102.3 84.2 126.4

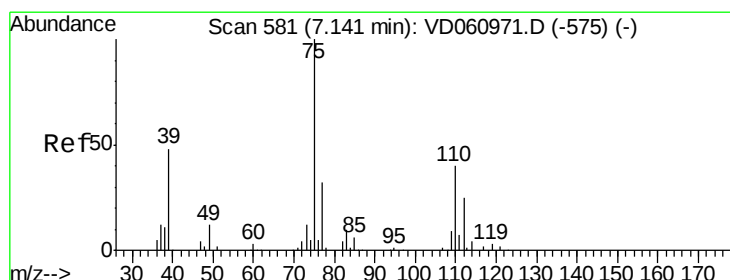
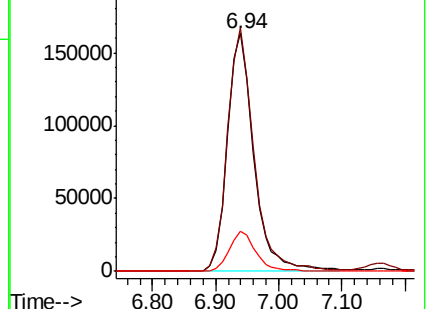
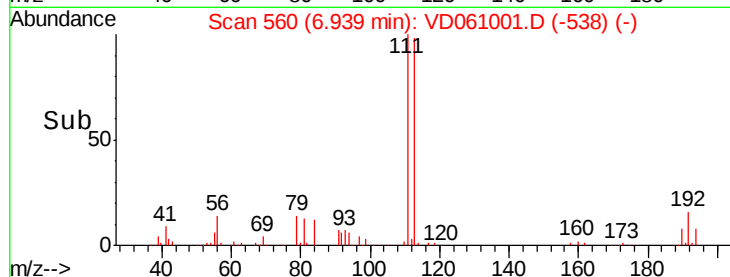
192 16.7 13.1 19.7



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: 20.719 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

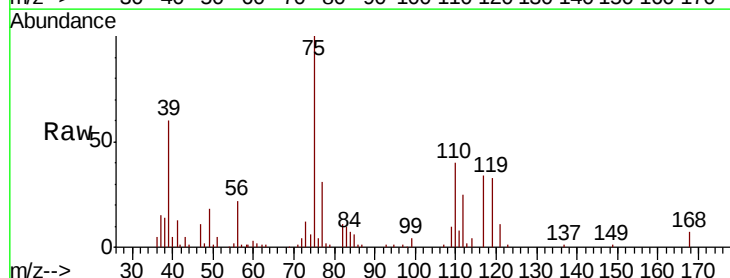
Tgt Ion: 75 Resp: 214855

Ion Ratio Lower Upper

75 100

110 40.2 19.7 59.1

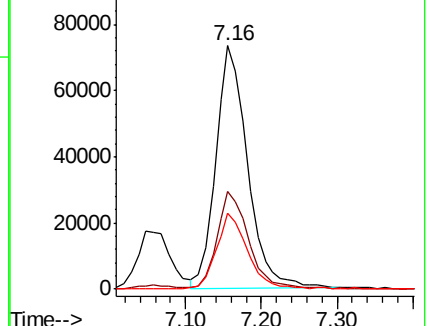
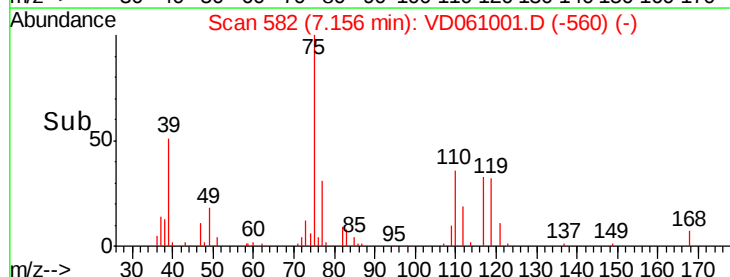
77 31.2 24.7 37.1

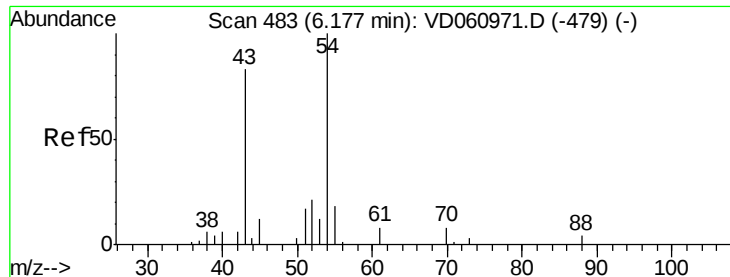


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

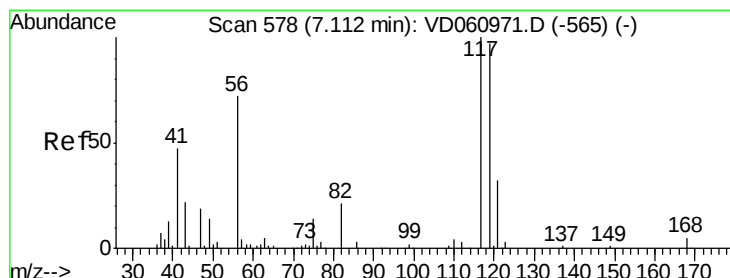
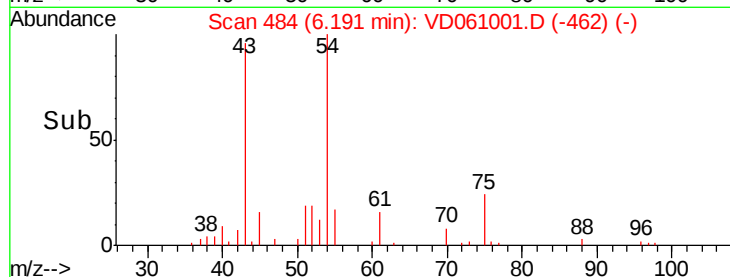
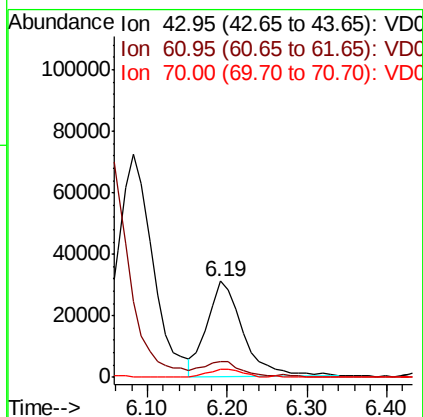
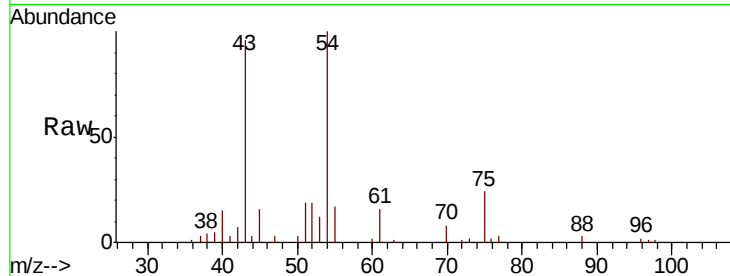




#37
Ethyl Acetate
Concen: 20.000 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

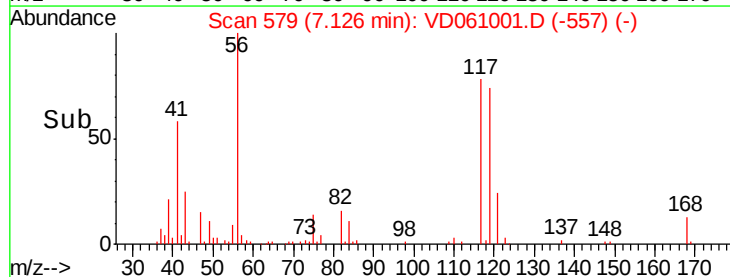
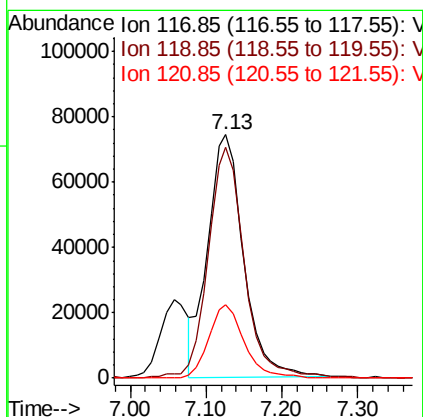
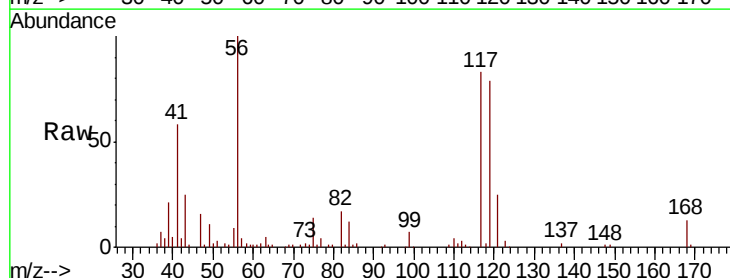
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

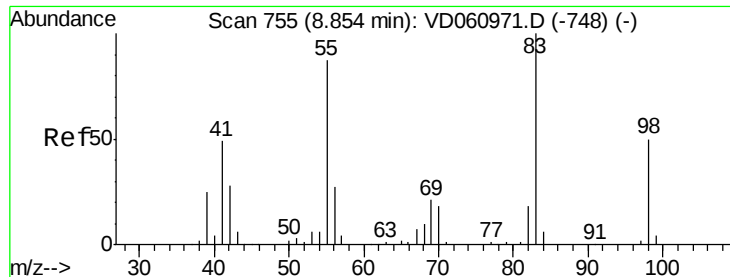
Tot Ion: 43 Resp: 97328
Ion Ratio Lower Upper
43 100
61 17.0 13.7 20.5
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.395 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 117 Resp: 244398
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.8
121 30.1 25.3 37.9

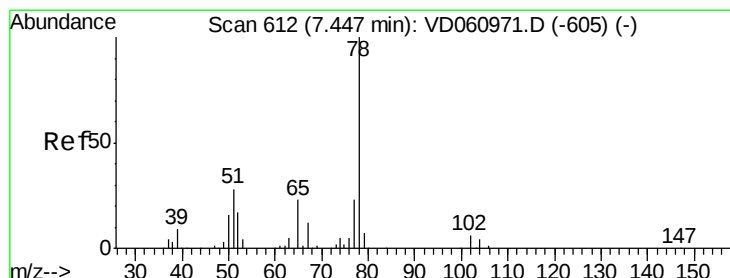
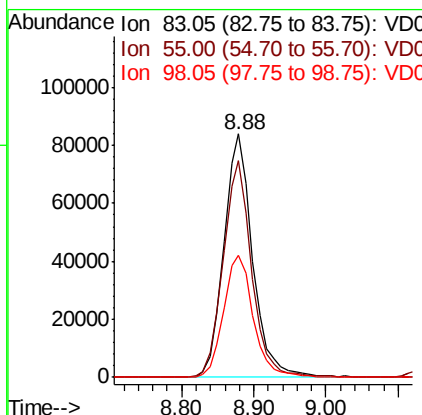
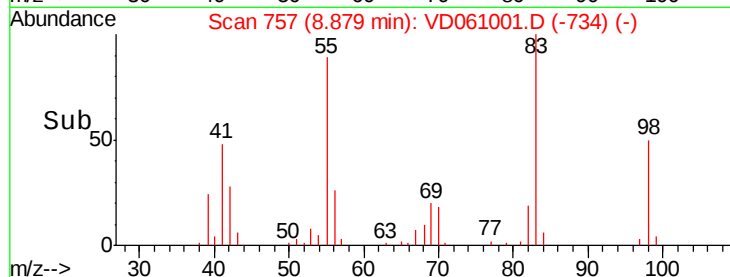
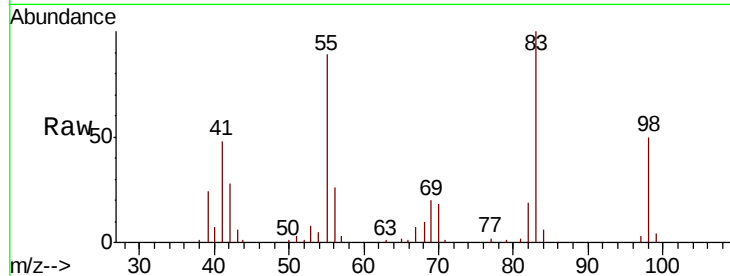




#39
Methvlcvclohexane
Concen: 21.546 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

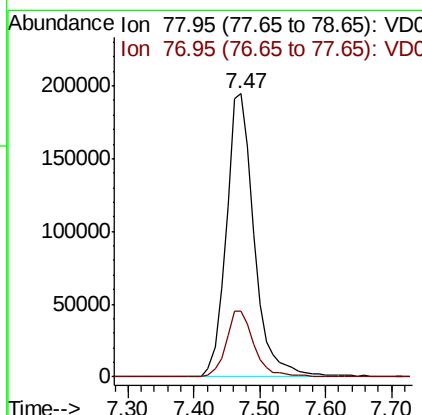
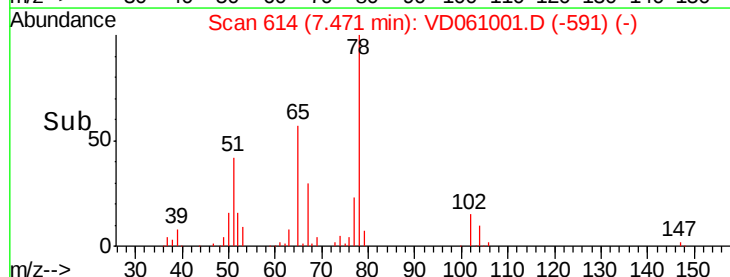
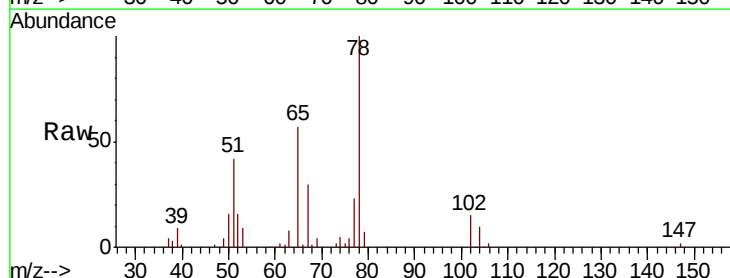
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

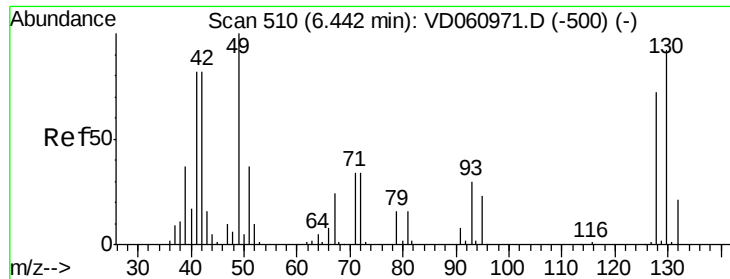
Tot Ion: 83 Resp: 231683
Ion Ratio Lower Upper
83 100
55 88.9 69.6 104.4
98 49.9 40.0 60.0



#40
Benzene
Concen: 22.247 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 78 Resp: 576479
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

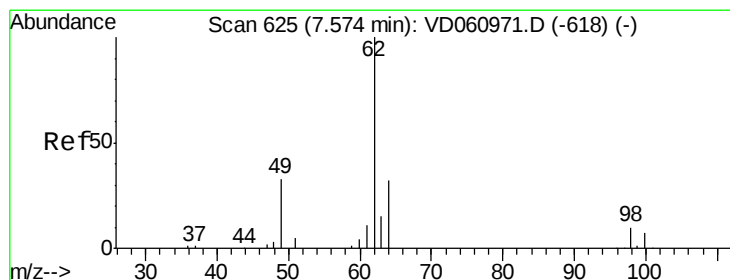
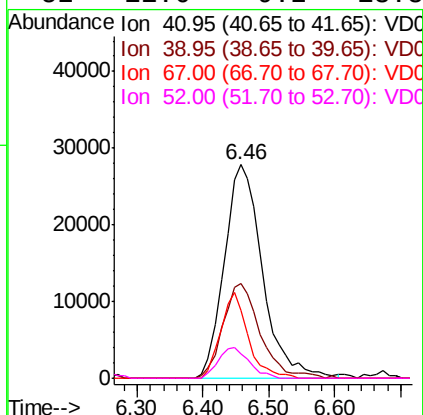
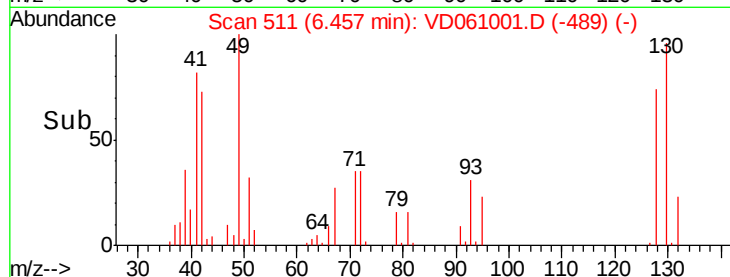
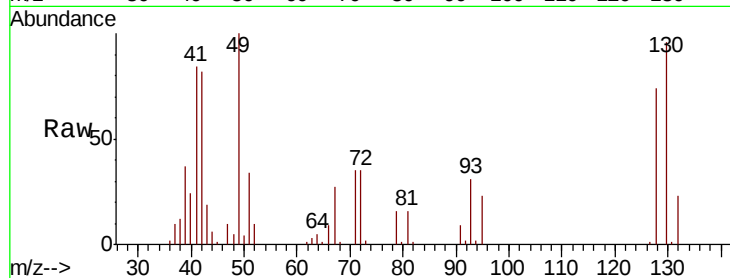




#41
Methacrylonitrile
Concen: 20.186 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

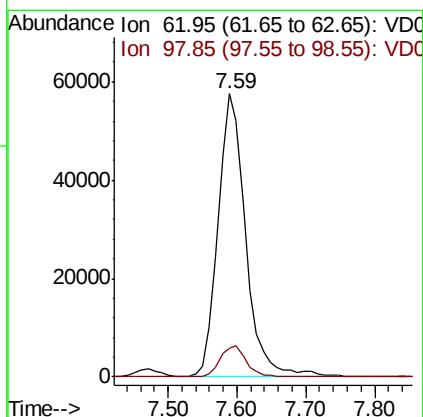
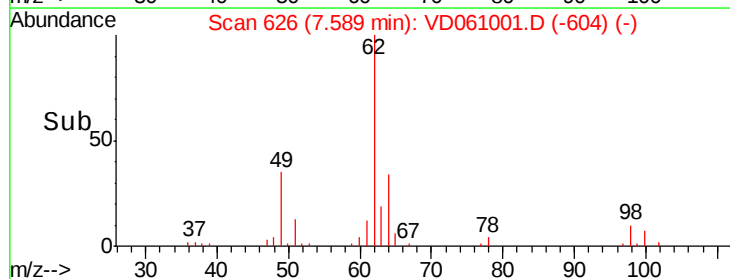
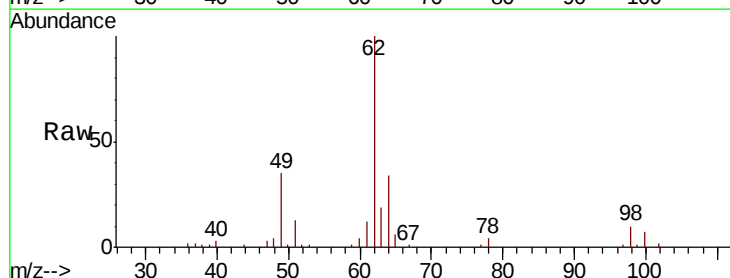
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

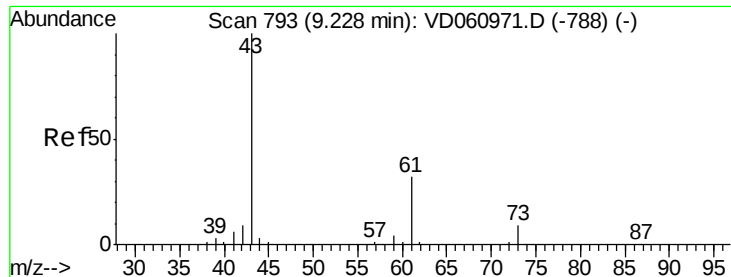
Tot Ion: 41 Resp: 112986
Ion Ratio Lower Upper
41 100
39 44.6 35.7 53.5
67 32.0 23.0 34.6
52 11.6 9.2 13.8



#42
1,2-Dichloroethane
Concen: 21.259 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 62 Resp: 159858
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.4



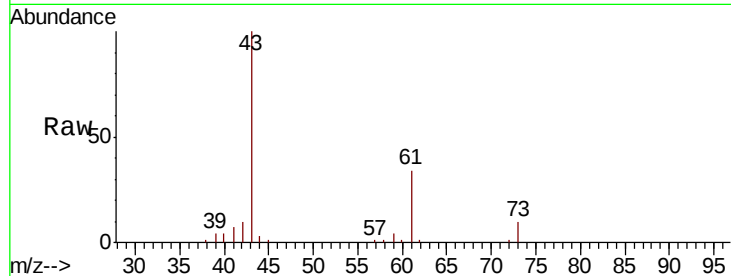


#43

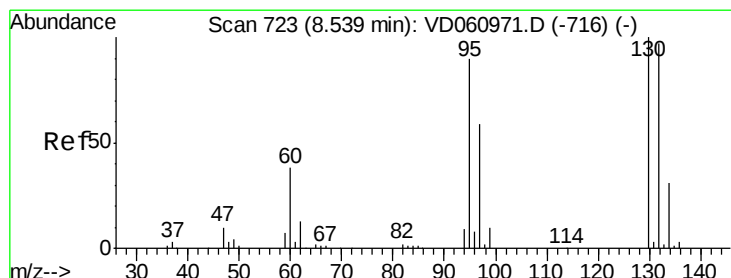
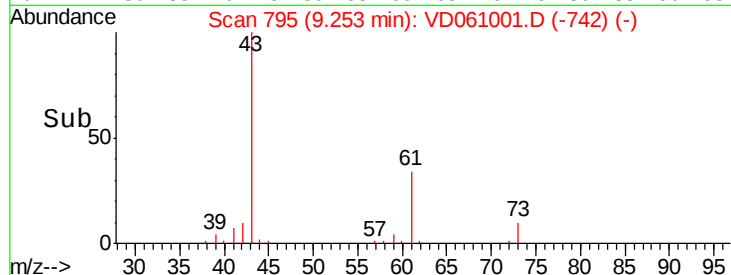
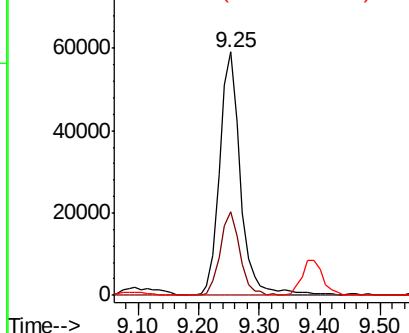
Isopropyl Acetate
 Concen: 20.964 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion: 43 Resp: 141297
 Ion Ratio Lower Upper
 43 100
 61 34.2 25.6 38.4
 87 0.0 0.2 0.4#



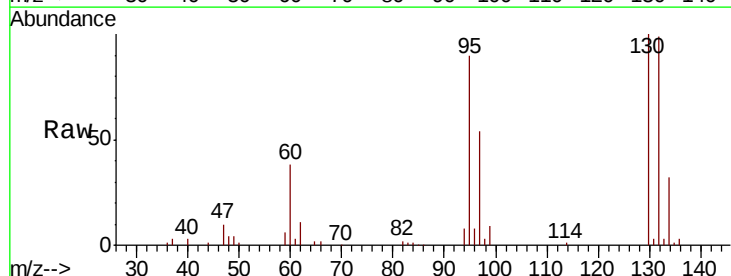
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



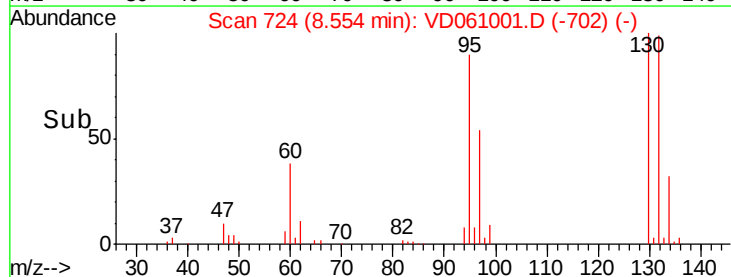
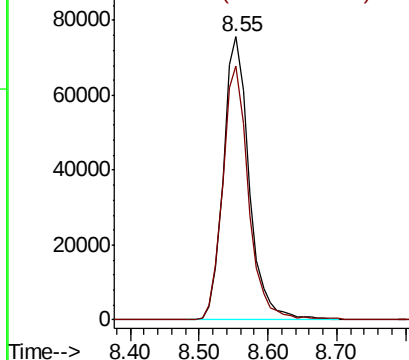
#44

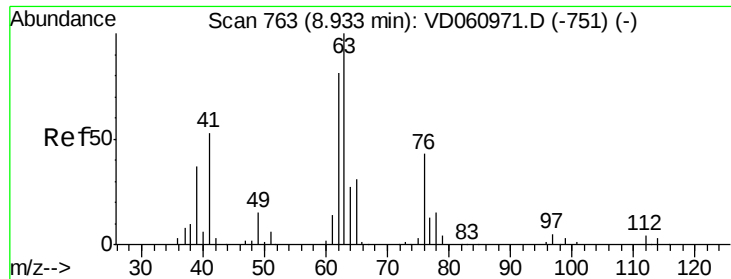
Trichloroethene
 Concen: 21.938 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion:130 Resp: 196112
 Ion Ratio Lower Upper
 130 100
 95 89.7 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: 21.421 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

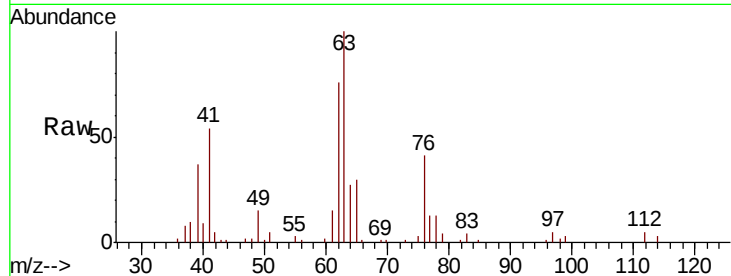
VD0311SBSD01

Tot Ion: 63 Resp: 145829

Ion Ratio Lower Upper

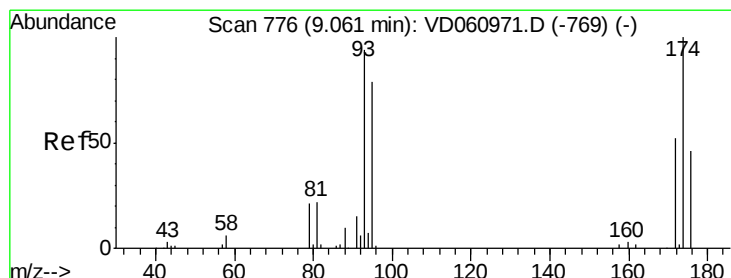
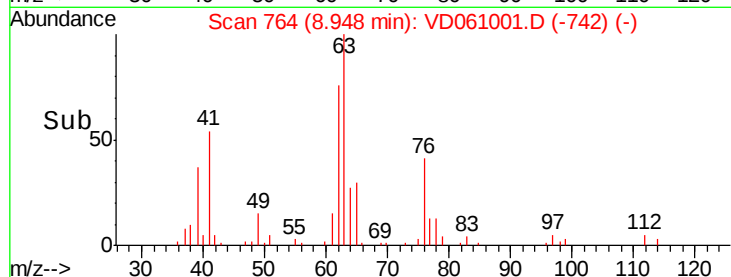
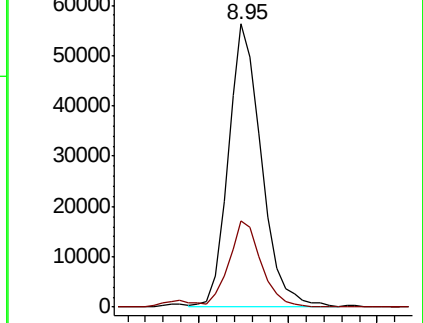
63 100

65 30.4 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: 21.478 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

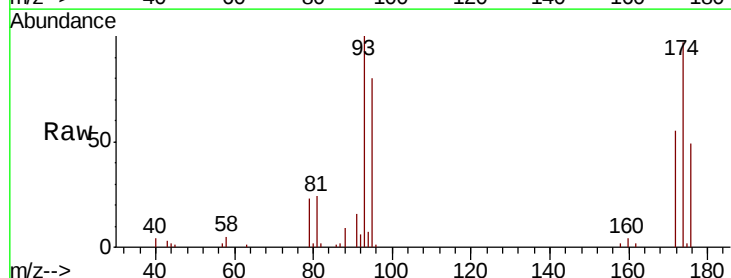
Tgt Ion: 93 Resp: 92749

Ion Ratio Lower Upper

93 100

95 79.7 67.4 101.0

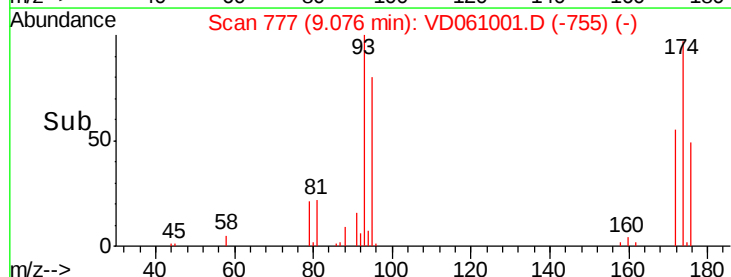
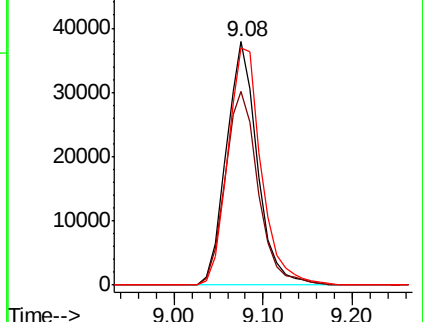
174 97.4 85.4 128.0

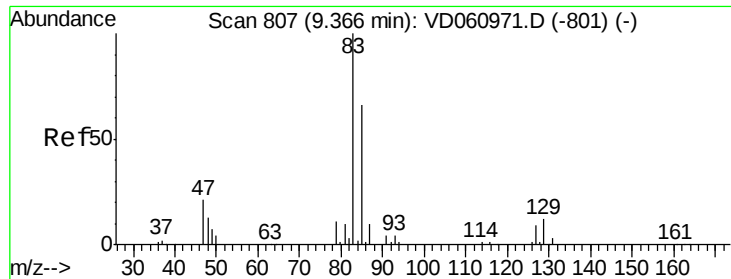


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.693 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

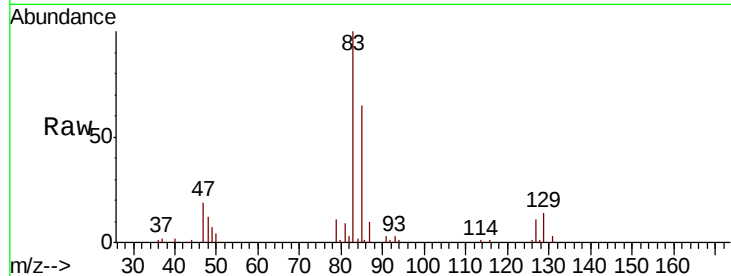
Tot Ion: 83 Resp: 211389

Ion Ratio Lower Upper

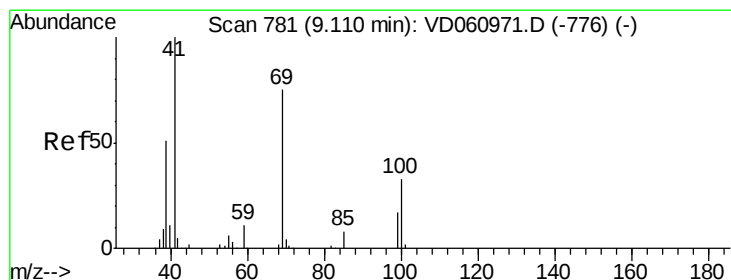
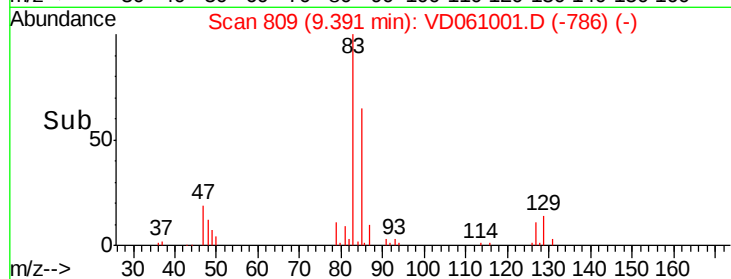
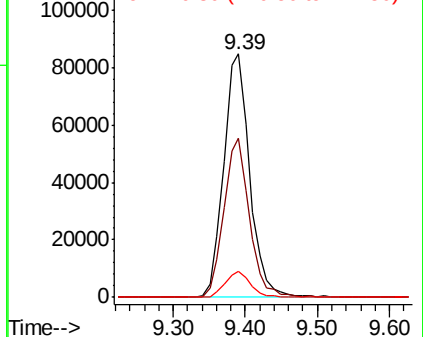
83 100

85 65.4 52.5 78.7

127 10.6 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: 23.279 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

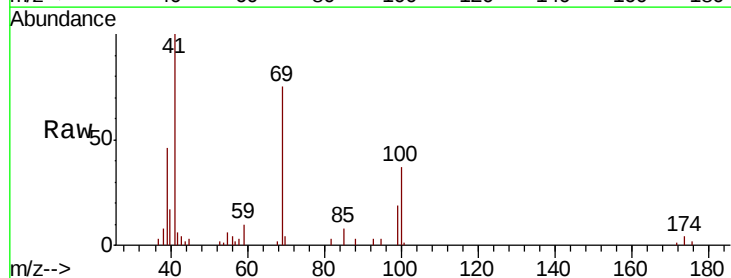
Tgt Ion: 41 Resp: 88339

Ion Ratio Lower Upper

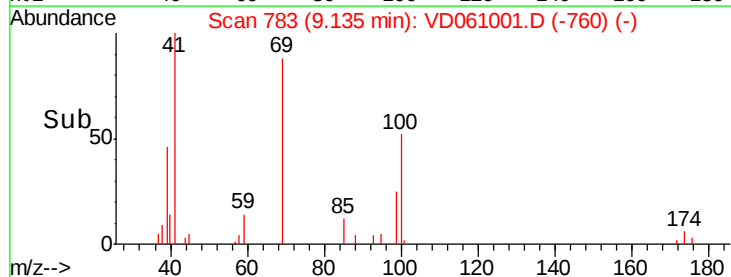
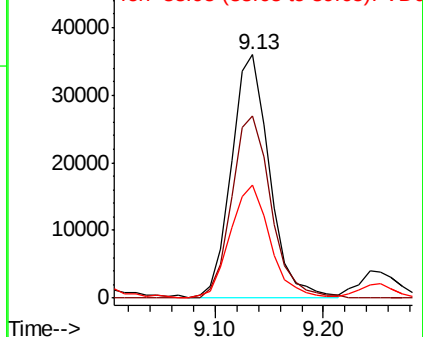
41 100

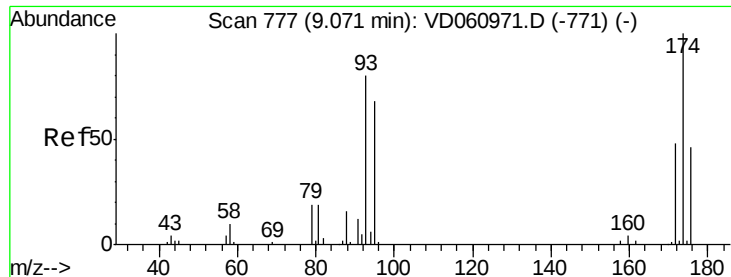
69 74.8 59.9 89.9

39 46.5 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

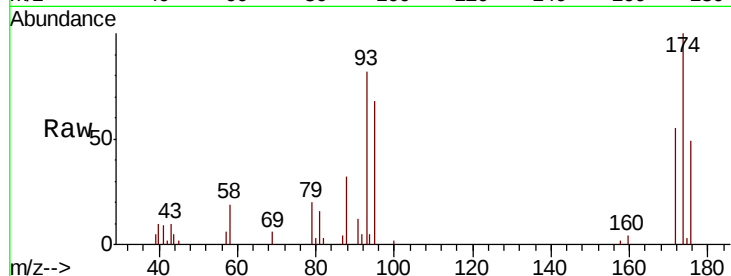




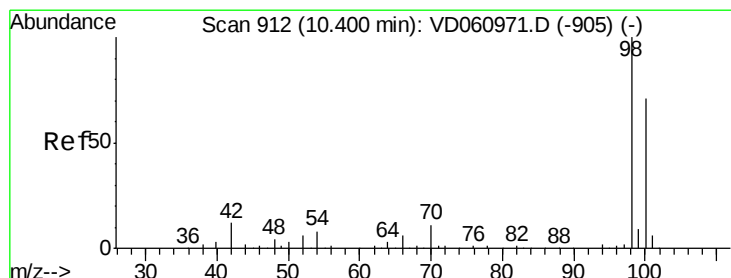
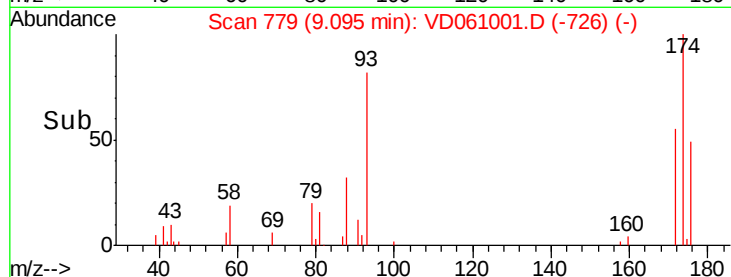
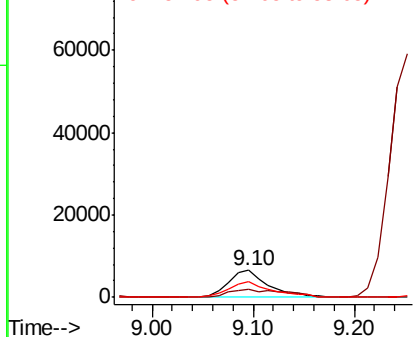
#49
1,4-Dioxane
Concen: 465.873 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tot Ion: 88 Resp: 17877
Ion Ratio Lower Upper
88 100
43 30.5 21.0 31.6
58 59.8 48.6 72.8

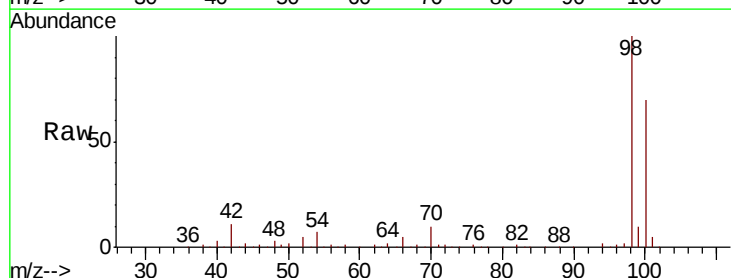


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

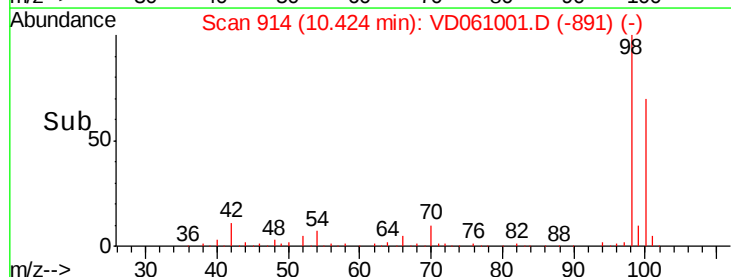
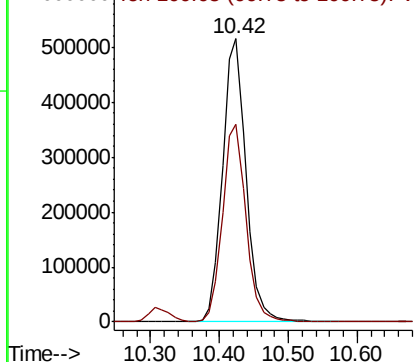


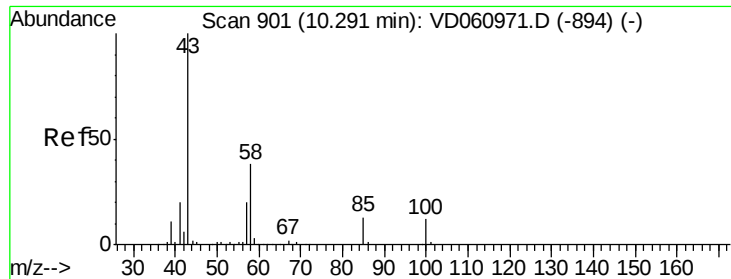
#50
Toluene-d8
Concen: 465.873 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 98 Resp: 1217419
Ion Ratio Lower Upper
98 100
100 69.9 57.4 86.2



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

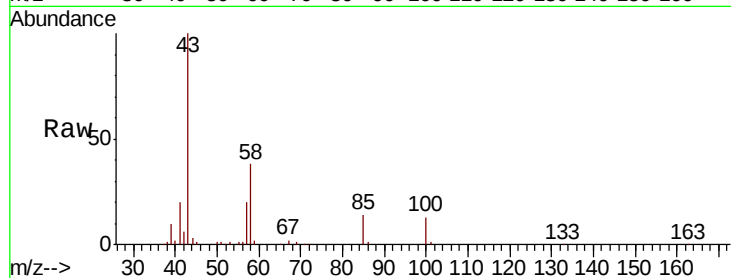




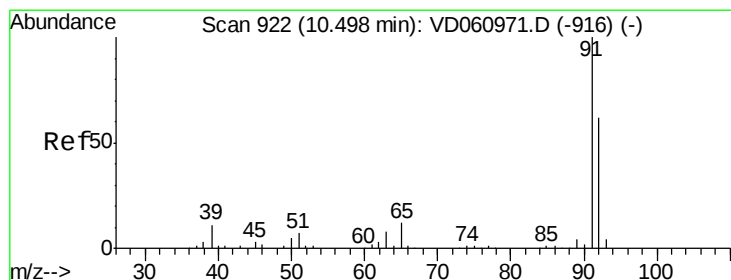
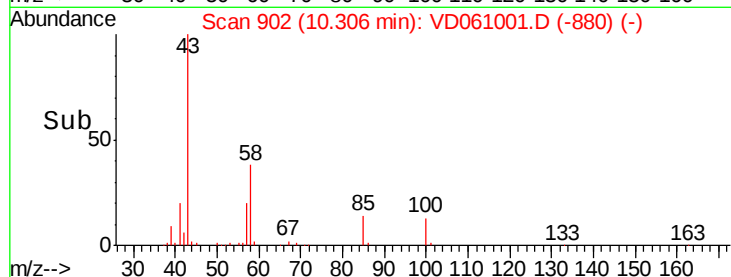
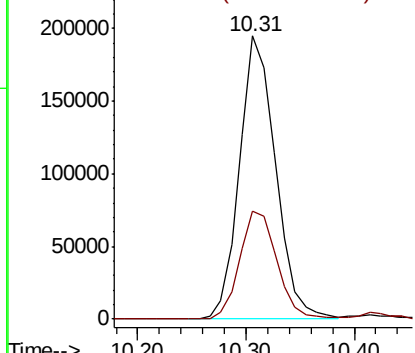
#51
4-Methyl-2-Pentanone
Concen: 109.909 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion: 43 Resp: 453829
Ion Ratio Lower Upper
43 100
58 38.1 30.2 45.2

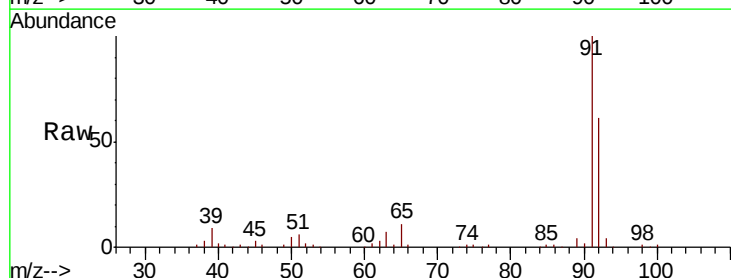


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

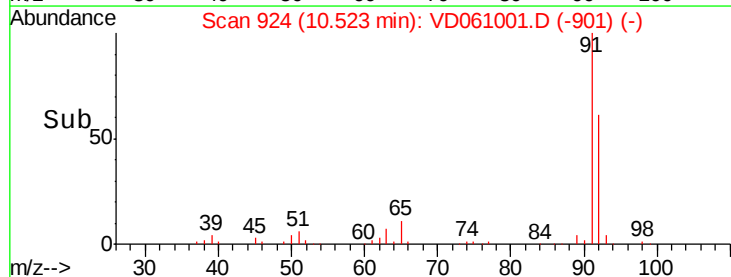
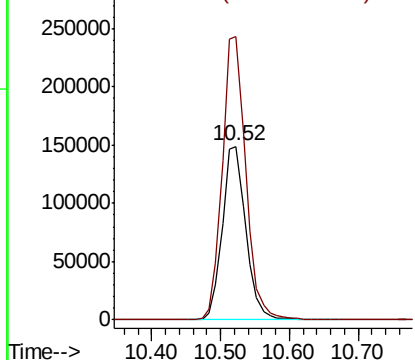


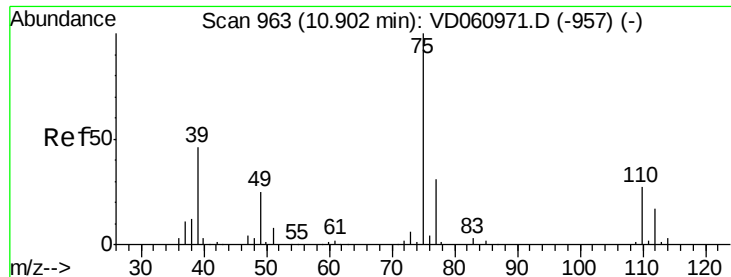
#52
Toluene
Concen: 21.879 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 92 Resp: 352535
Ion Ratio Lower Upper
92 100
91 162.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

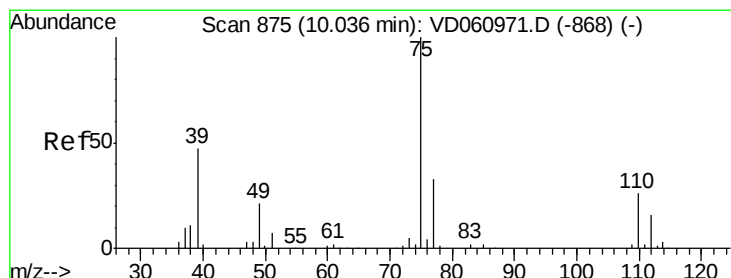
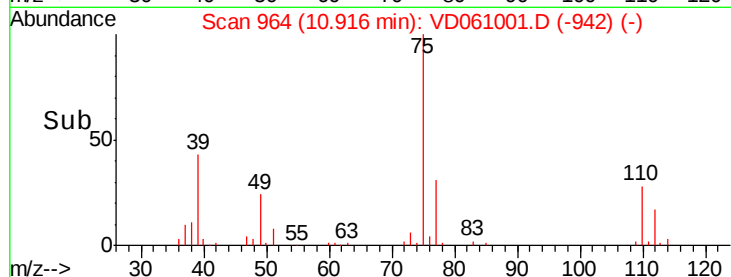
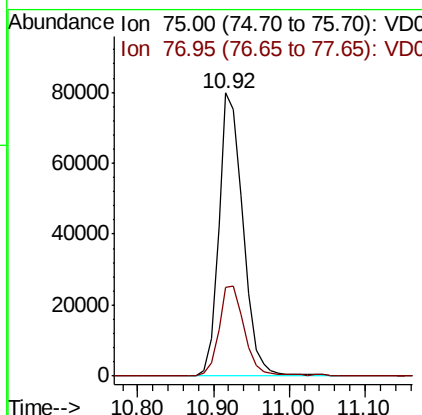
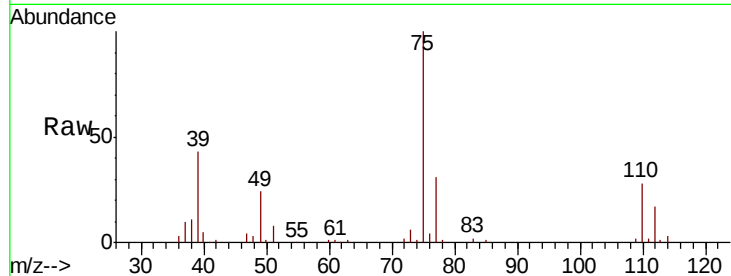




#53
 t-1,3-Dichloropropene
 Concen: 19.838 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

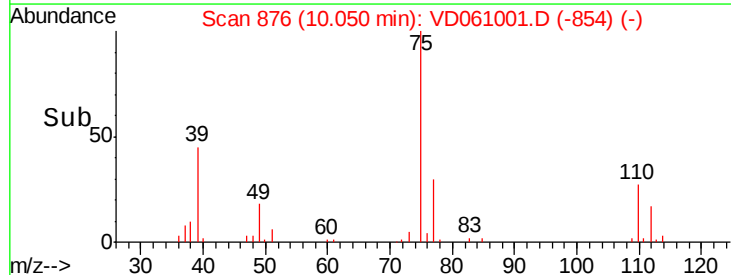
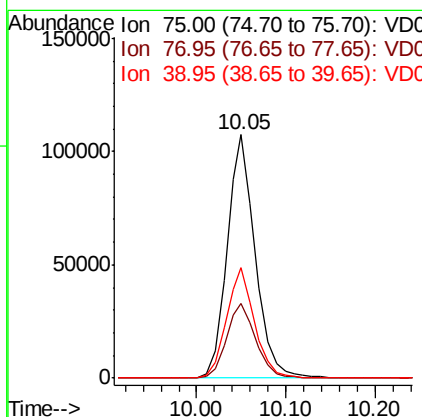
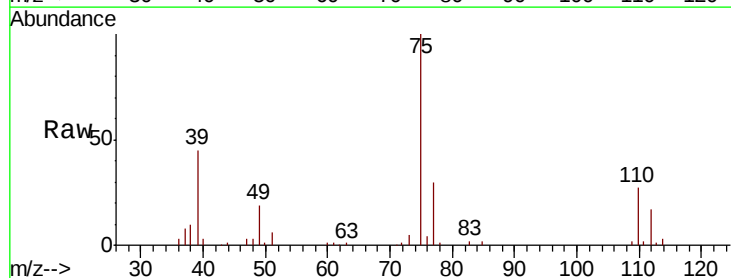
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

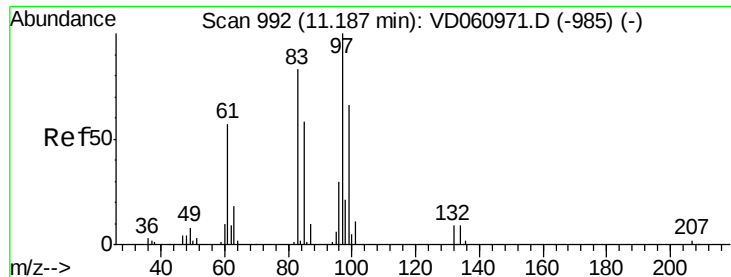
Tot Ion: 75 Resp: 176769
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 22.023 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion: 75 Resp: 235786
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.4
 39 45.4 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 21.249 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

Tot Ion: 97 Resp: 114023

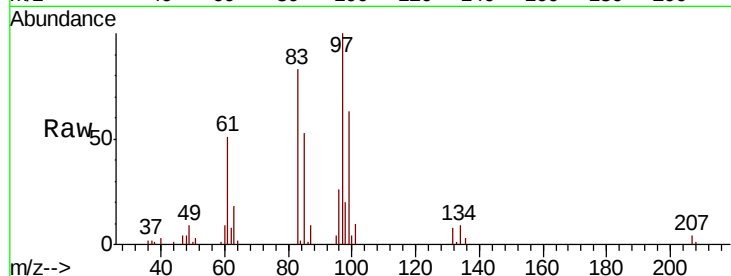
Ion Ratio Lower Upper

97 100

83 83.3 66.6 100.0

85 53.2 46.4 69.6

99 63.2 52.4 78.6

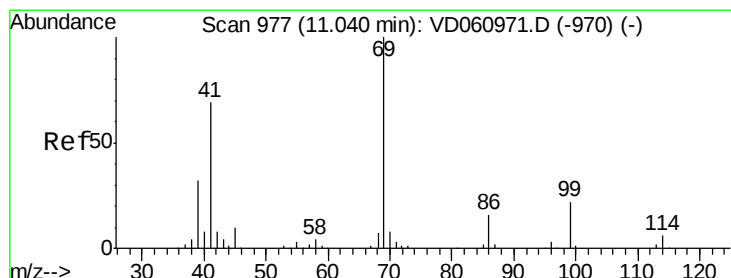
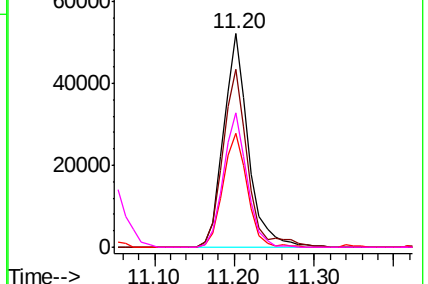
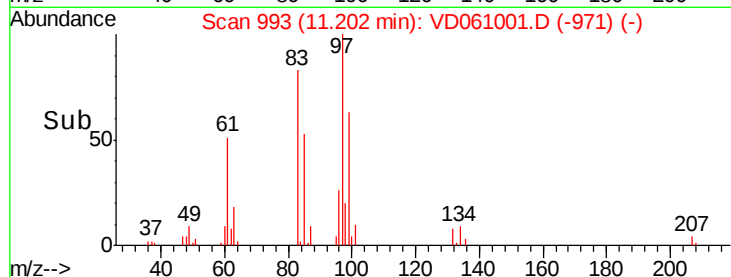


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.604 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

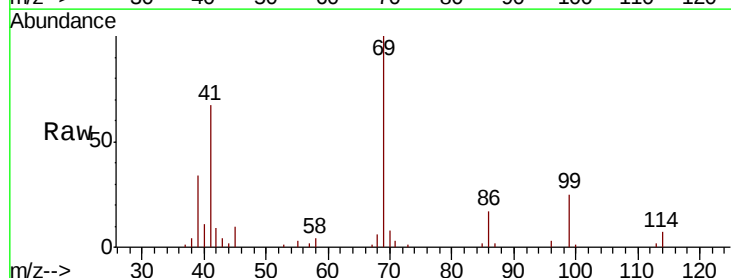
Tgt Ion: 69 Resp: 115726

Ion Ratio Lower Upper

69 100

41 67.4 55.5 83.3

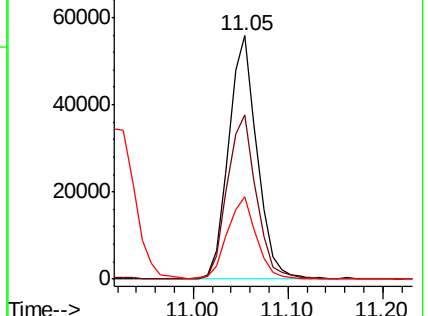
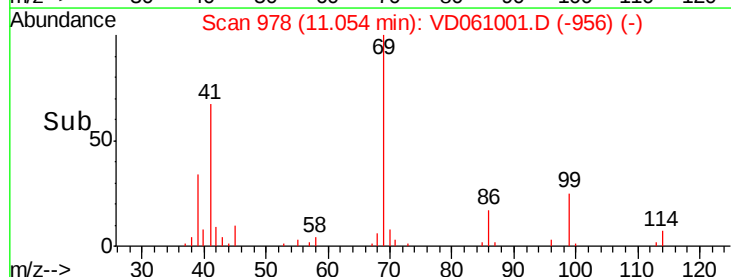
39 33.8 26.2 39.2

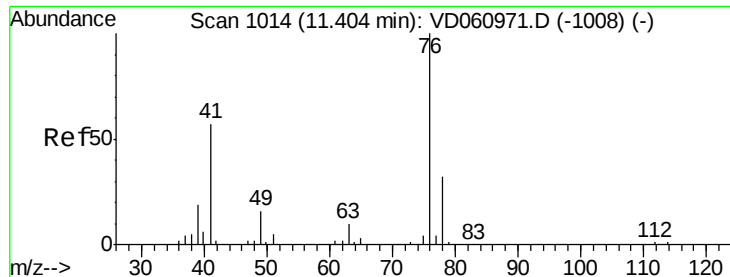


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

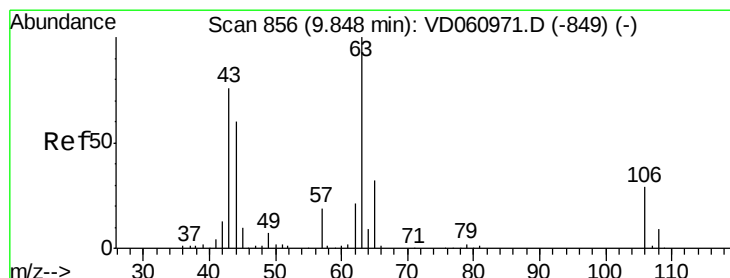
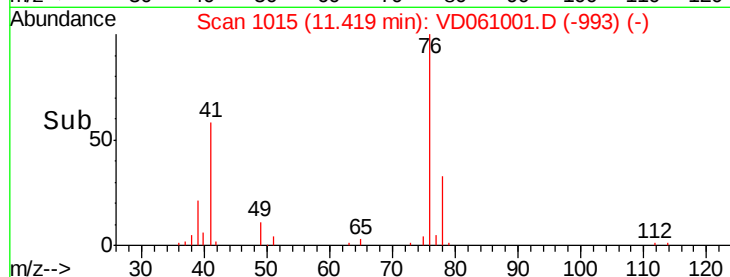
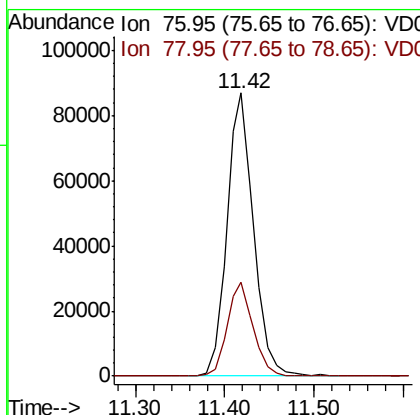
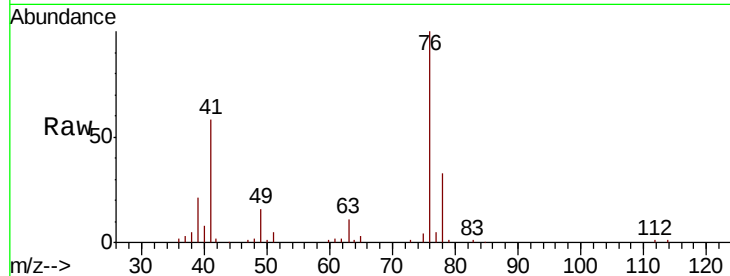




#57
 1,3-Dichloropropane
 Concen: 22.634 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

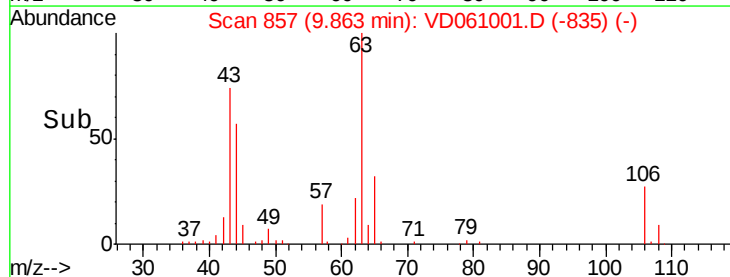
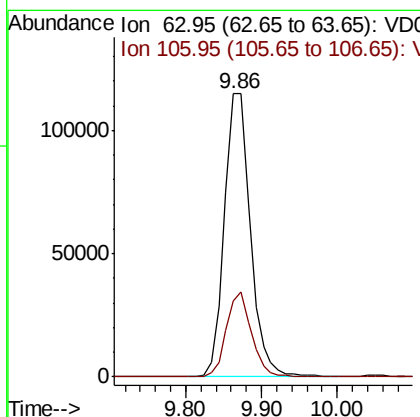
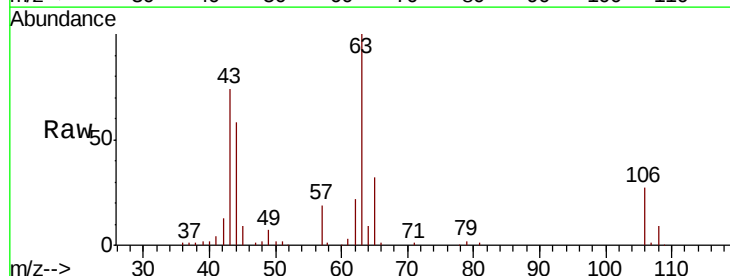
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

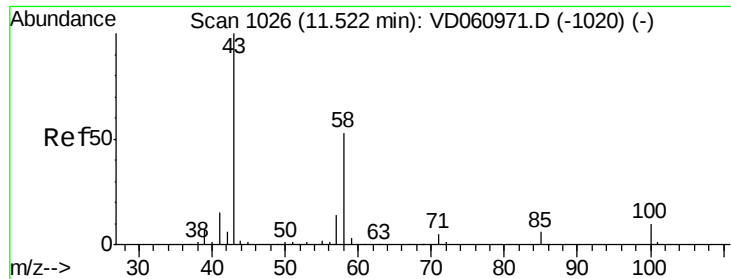
Tot Ion: 76 Resp: 181499
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.472 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion: 63 Resp: 274923
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.8 34.2

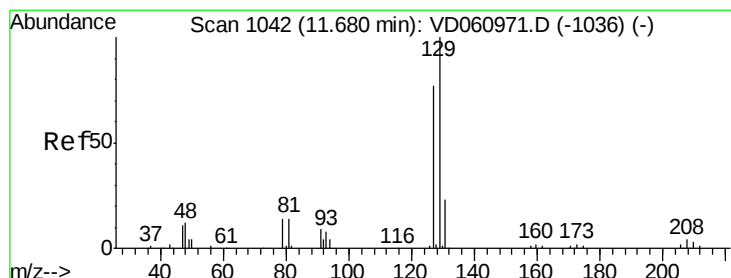
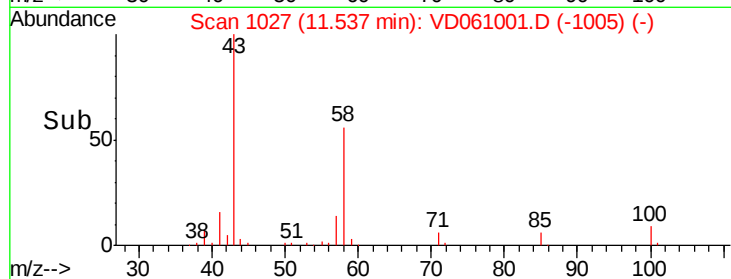
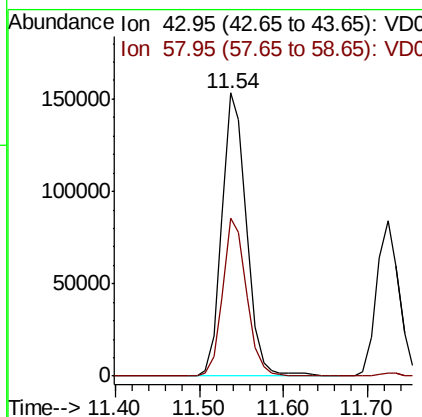
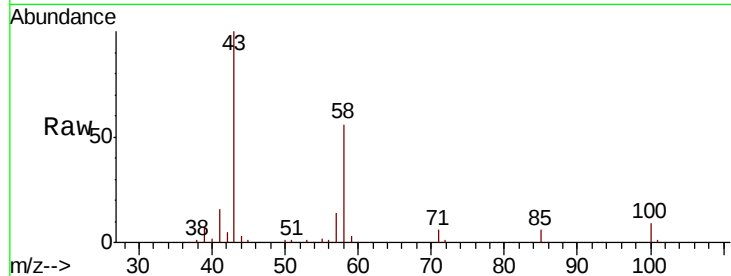




#59
2-Hexanone
Concen: 102.890 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

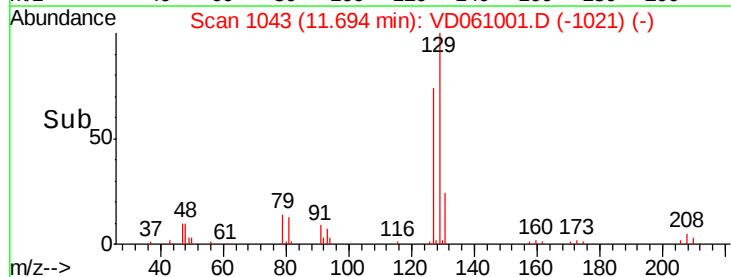
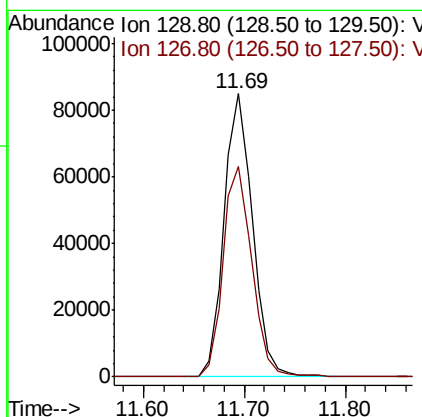
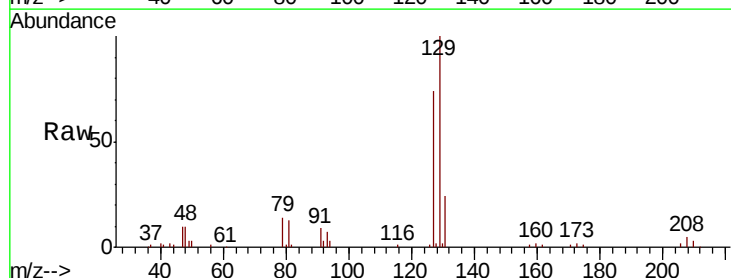
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

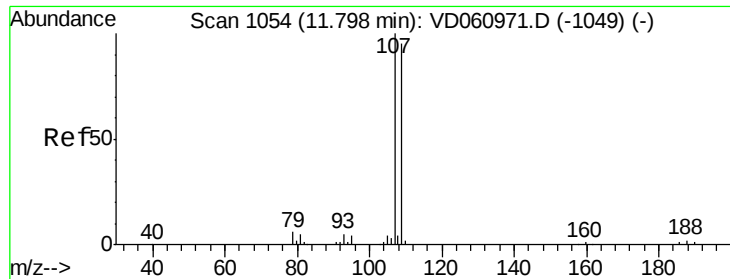
Tot Ion: 43 Resp: 310773
Ion Ratio Lower Upper
43 100
58 55.7 26.5 79.5



#60
Dibromochloromethane
Concen: 21.025 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion:129 Resp: 166041
Ion Ratio Lower Upper
129 100
127 74.3 38.3 114.9

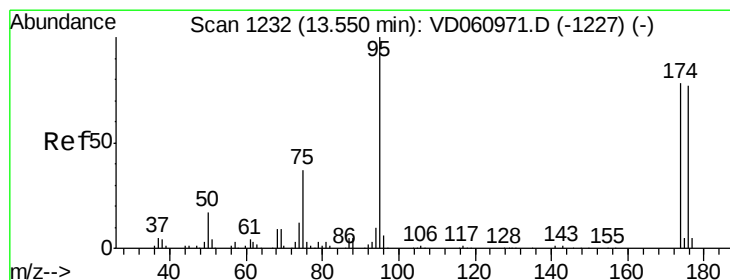
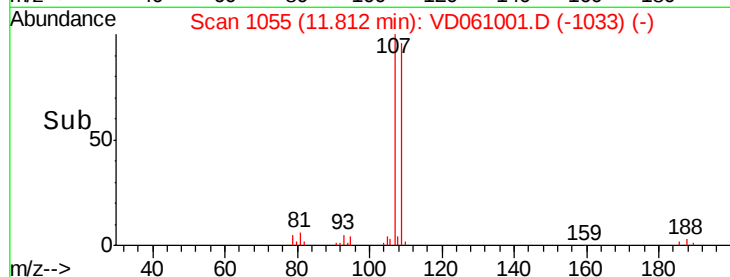
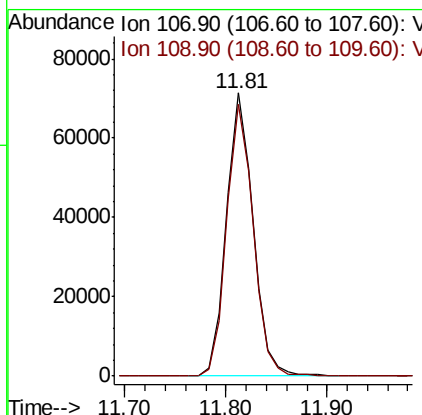
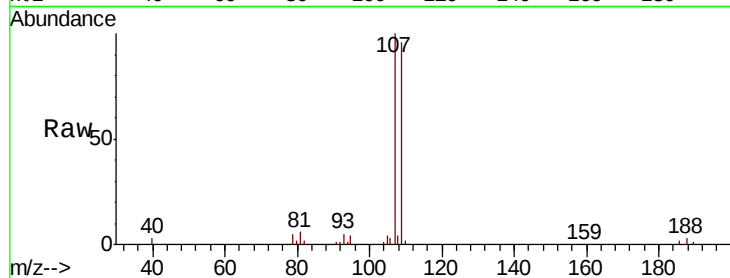




#61
 1,2-Dibromoethane
 Concen: 20.984 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

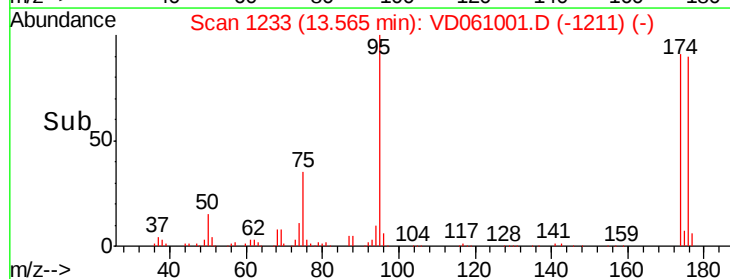
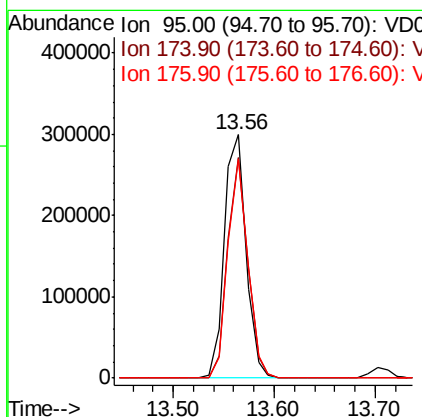
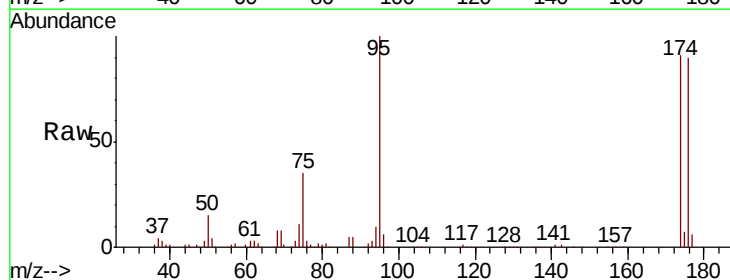
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

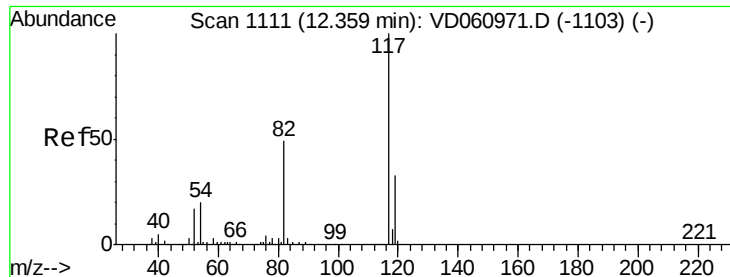
Tot Ion:107 Resp: 130989
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.984 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion: 95 Resp: 448119
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 155.6
 176 89.9 0.0 153.8

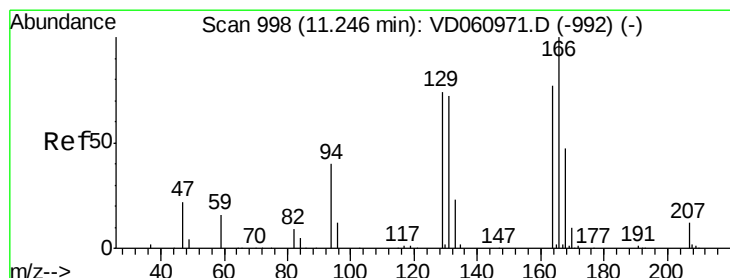
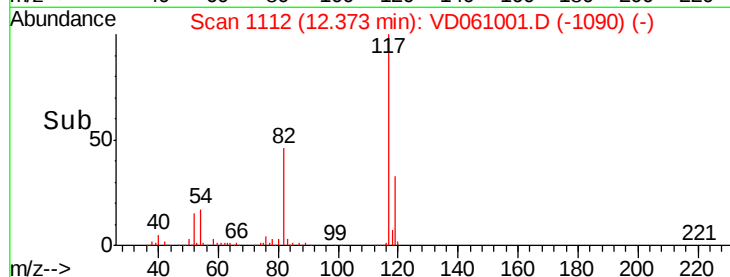
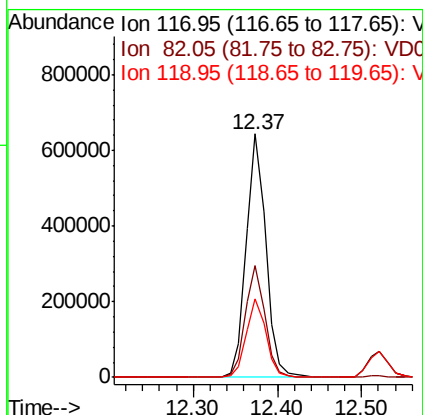
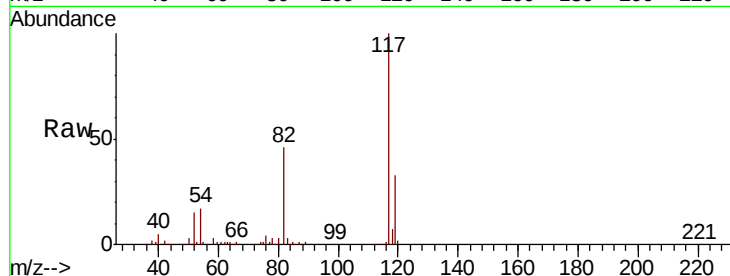




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

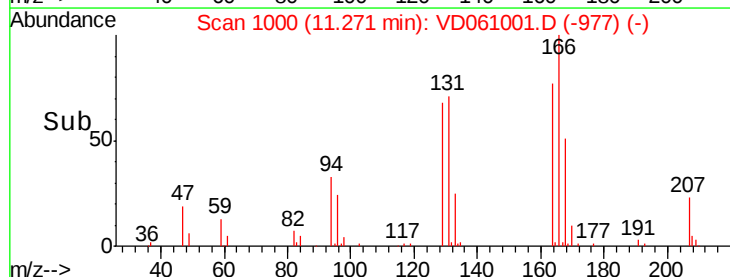
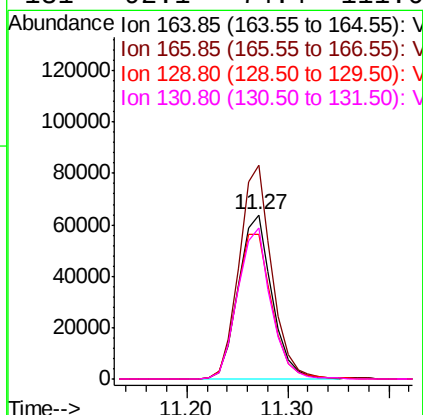
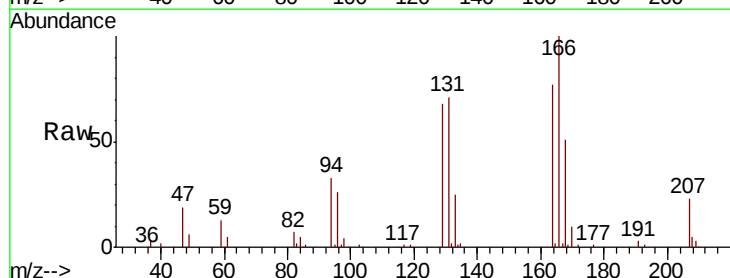
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

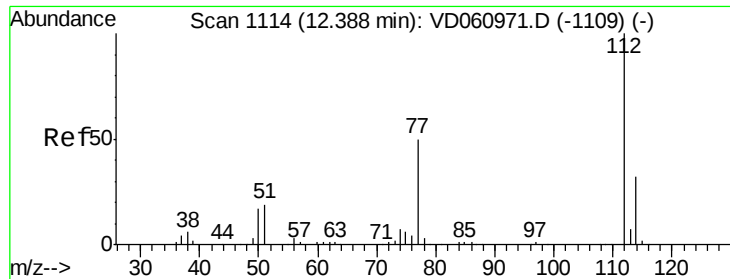
Tot Ion:117 Resp: 1050901
Ion Ratio Lower Upper
117 100
82 45.8 38.9 58.3
119 32.5 26.6 39.8



#64
Tetrachloroethene
Concen: 20.775 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion:164 Resp: 147379
Ion Ratio Lower Upper
164 100
166 130.1 103.4 155.0
129 88.4 76.9 115.3
131 92.1 74.4 111.6

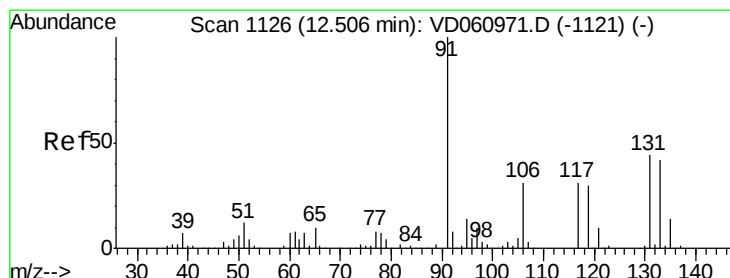
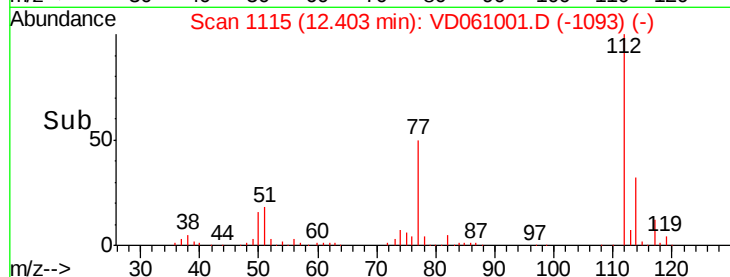
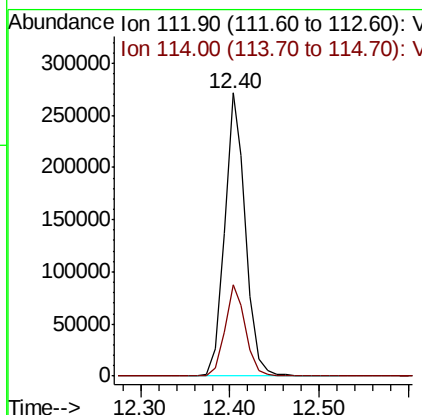
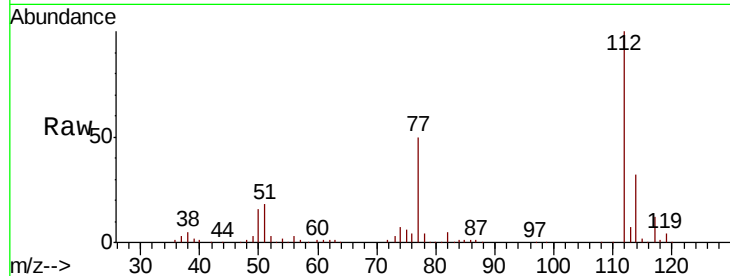




#65
Chlorobenzene
Concen: 21.553 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

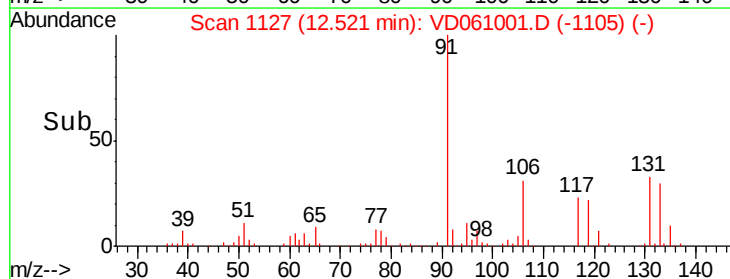
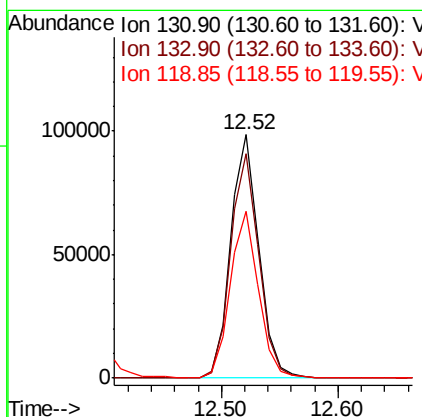
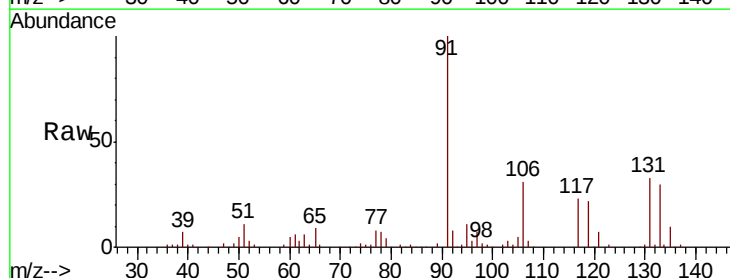
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

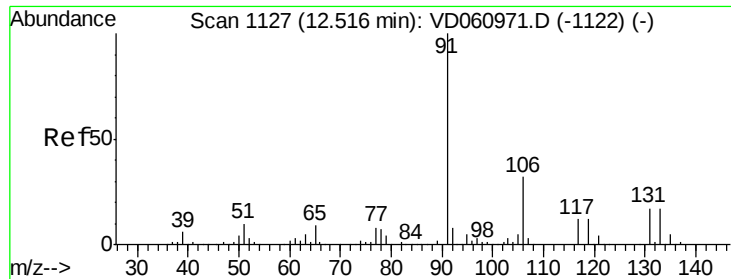
Tot Ion:112 Resp: 444039
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.379 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion:131 Resp: 164347
Ion Ratio Lower Upper
131 100
133 91.9 47.8 143.3
119 68.3 34.3 102.9

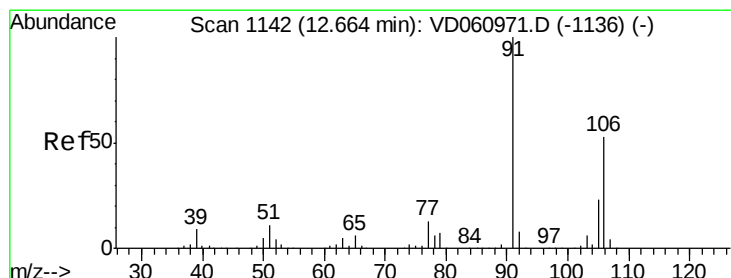
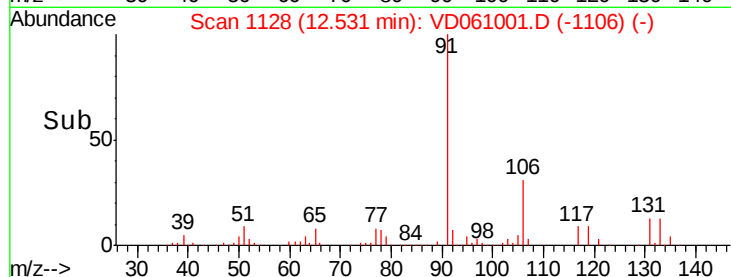
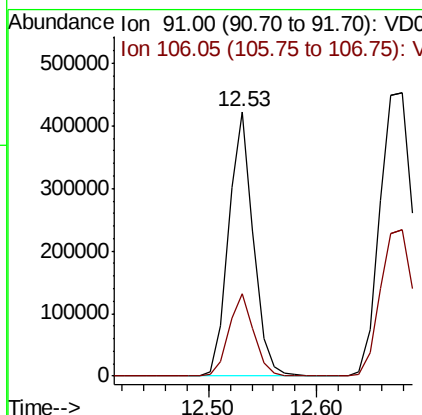
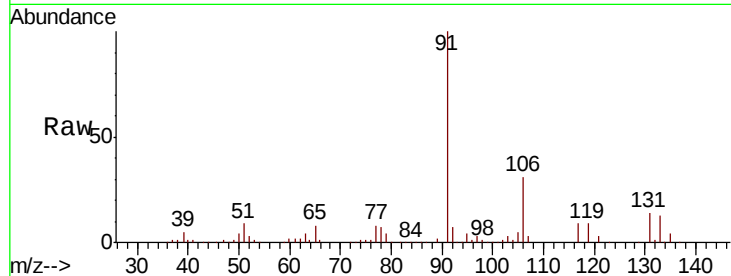




#67
Ethvl Benzene
Concen: 21.777 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

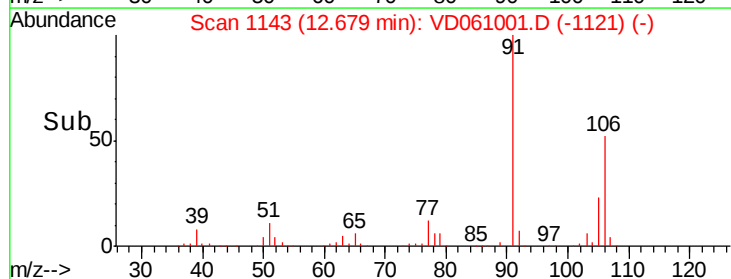
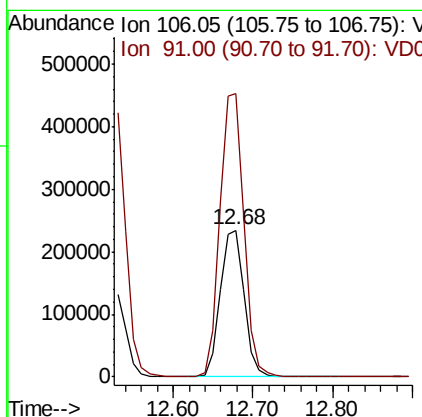
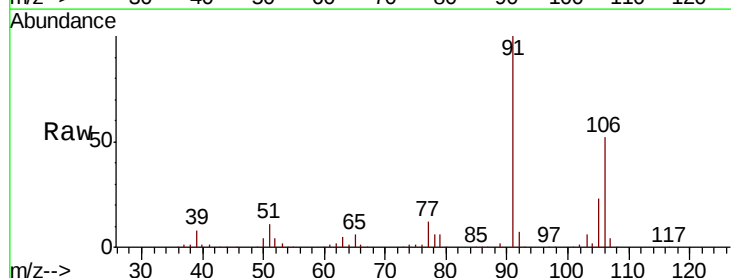
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

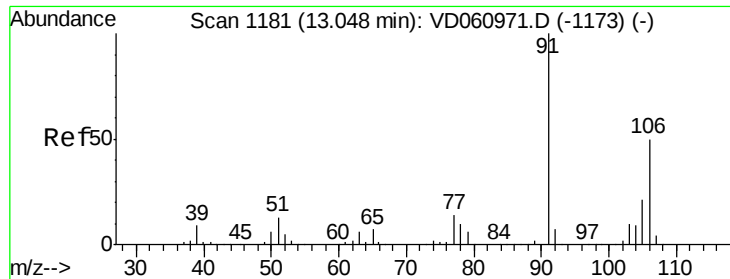
Tot Ion: 91 Resp: 667935
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5



#68
m/p-Xylenes
Concen: 41.181 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion:106 Resp: 495749
Ion Ratio Lower Upper
106 100
91 193.3 152.0 228.0

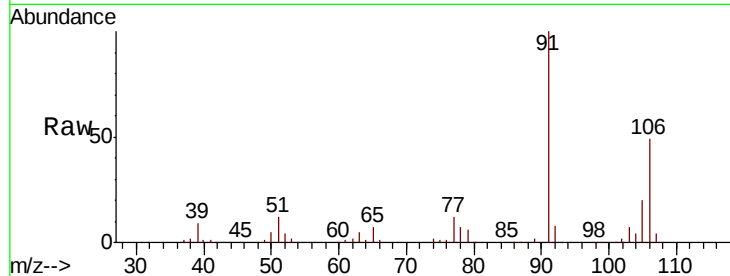




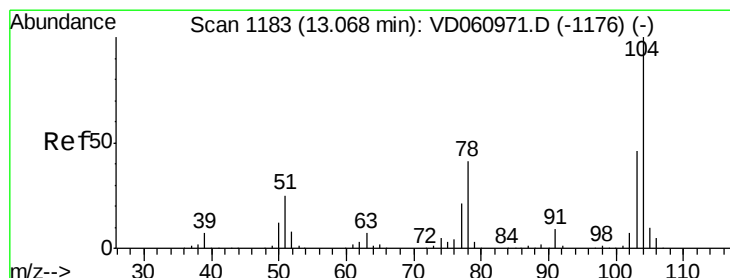
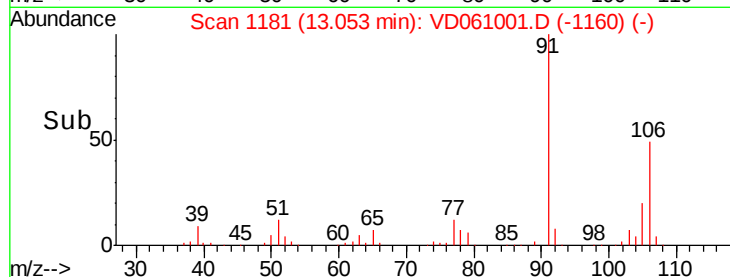
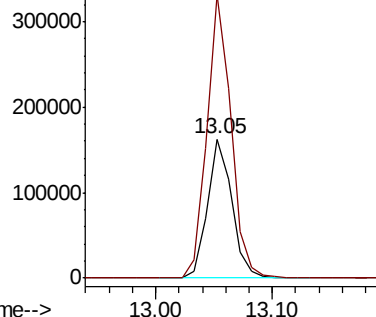
#69
o-Xylene
Concen: 19.946 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion:106 Resp: 236032
Ion Ratio Lower Upper
106 100
91 203.4 99.8 299.3

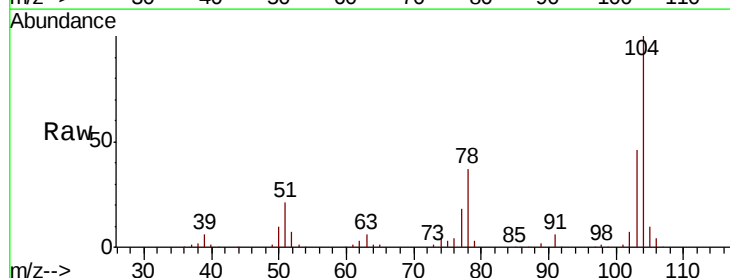


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

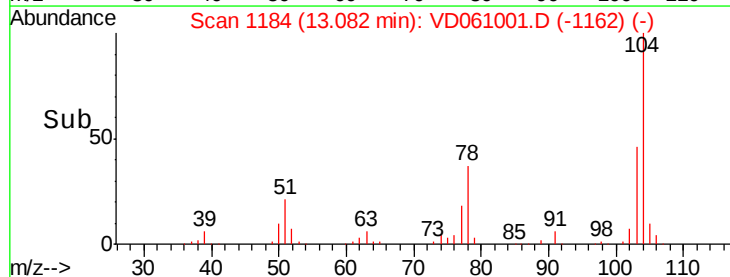
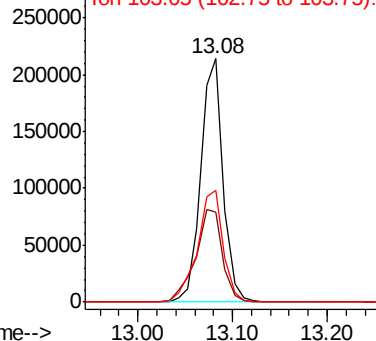


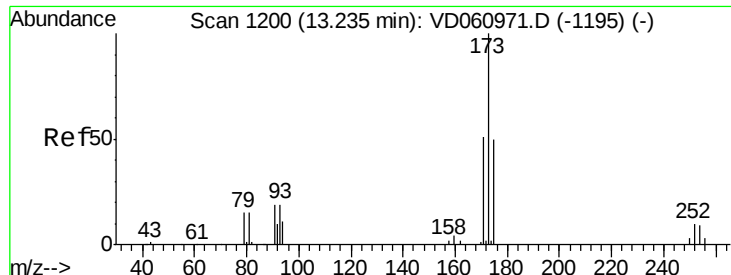
#70
Styrene
Concen: 18.011 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion:104 Resp: 348020
Ion Ratio Lower Upper
104 100
78 37.1 33.0 49.4
103 45.8 37.1 55.7



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





#71

Bromoform

Concen: 19.381 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

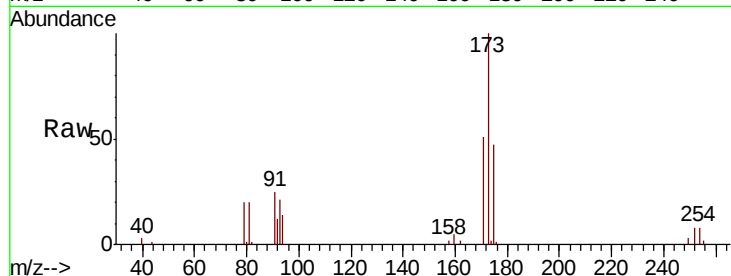
Tot Ion:173 Resp: 91816

Ion Ratio Lower Upper

173 100

175 47.3 24.9 74.8

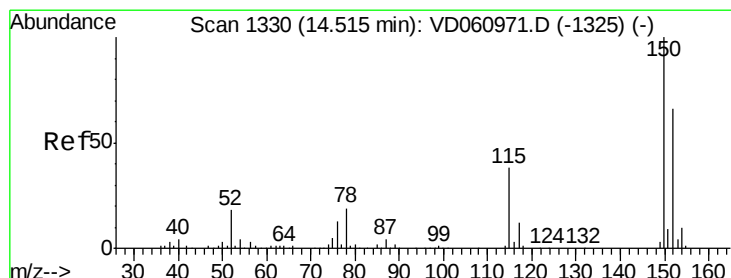
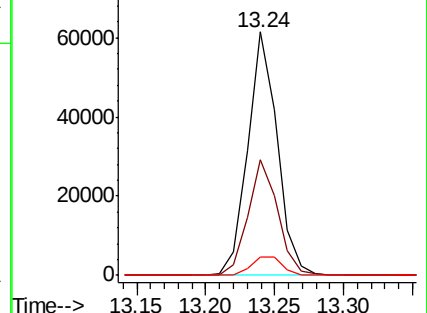
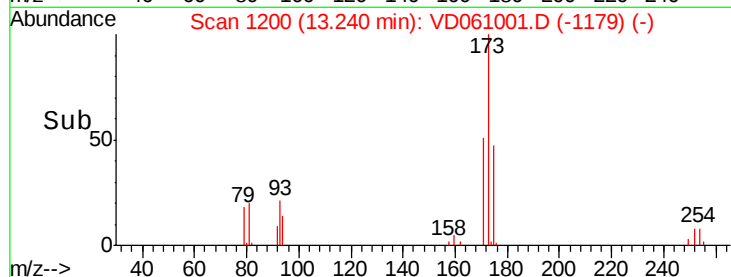
254 7.7 7.3 10.9



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: VD061001.D

Acq: 11 Mar 2019 13:35

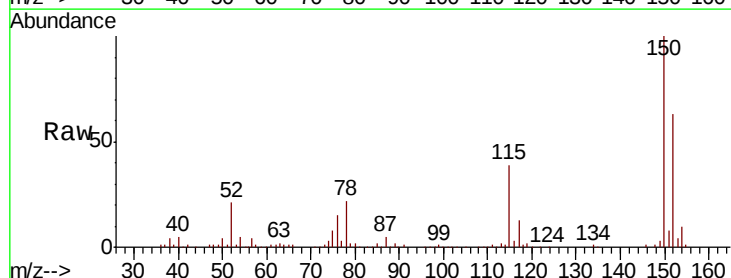
Tgt Ion:152 Resp: 440544

Ion Ratio Lower Upper

152 100

115 61.7 28.6 85.9

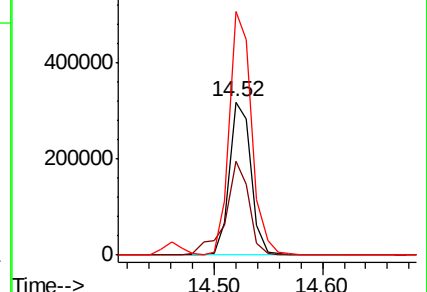
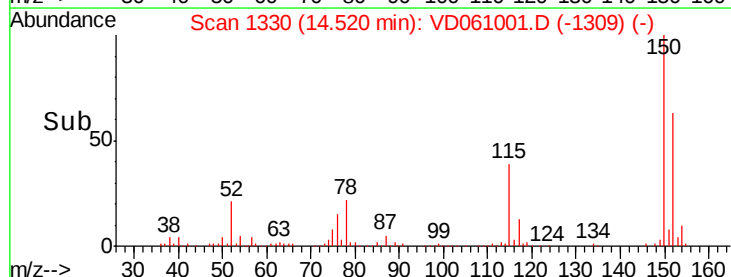
150 158.9 0.0 310.6

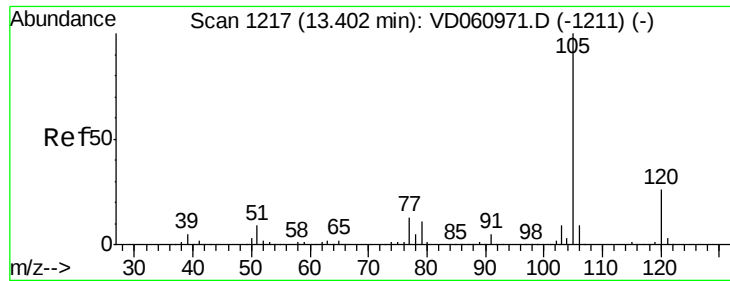


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.777 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

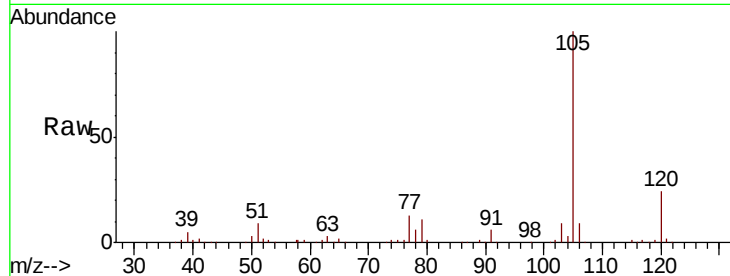
VD0311SBSD01

Tot Ion:105 Resp: 627888

Ion Ratio Lower Upper

105 100

120 24.4 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

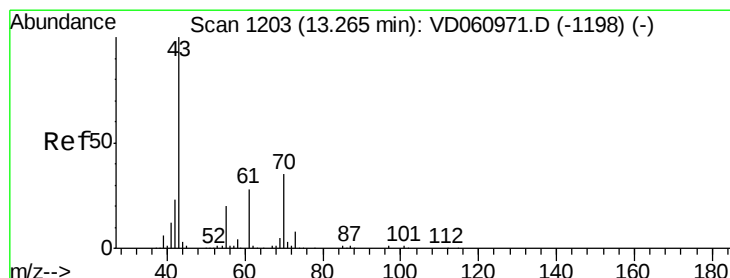
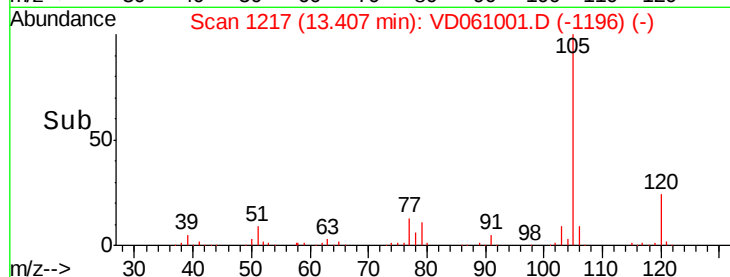
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.342 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Tgt Ion: 43 Resp: 163978

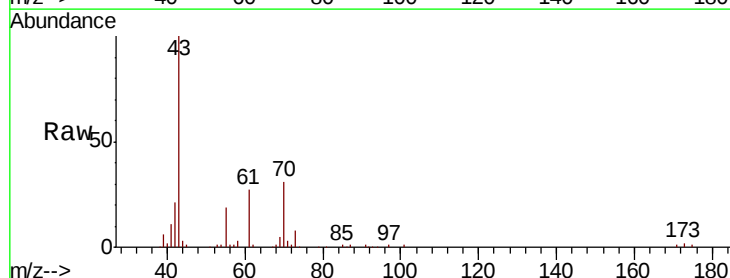
Ion Ratio Lower Upper

43 100

70 31.4 27.7 41.5

55 19.1 16.2 24.2

61 27.5 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

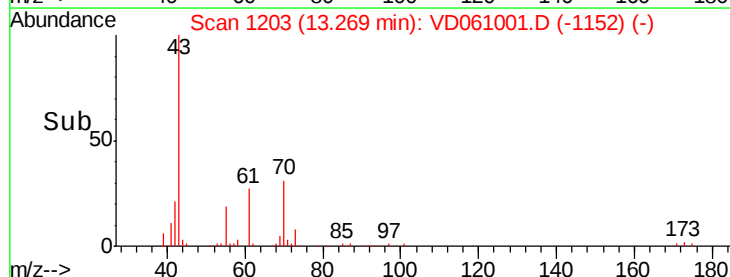
150000

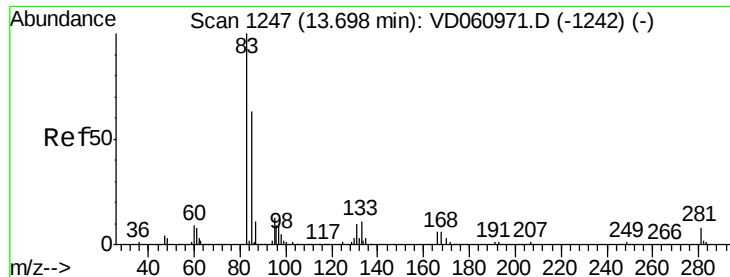
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.619 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

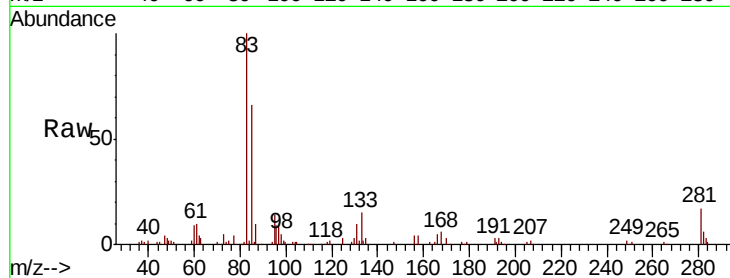
Tot Ion: 83 Resp: 127722

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

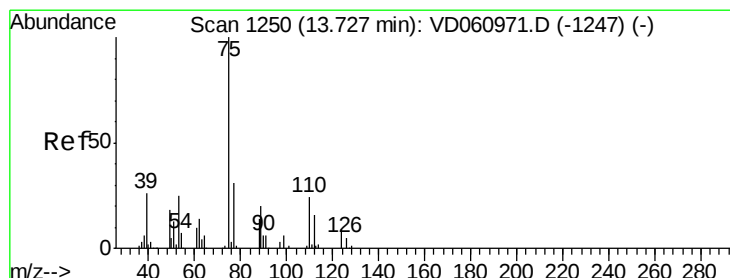
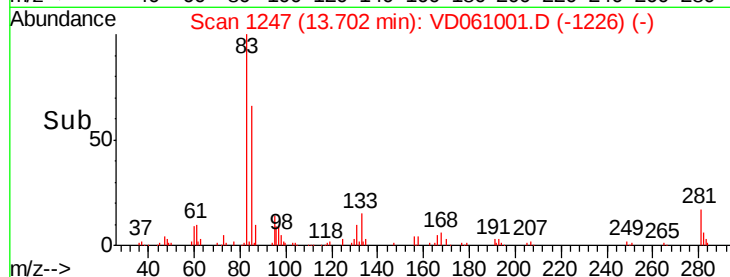
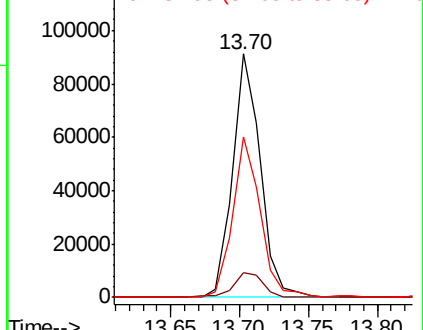
85 65.7 31.5 94.5



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: 20.813 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061001.D

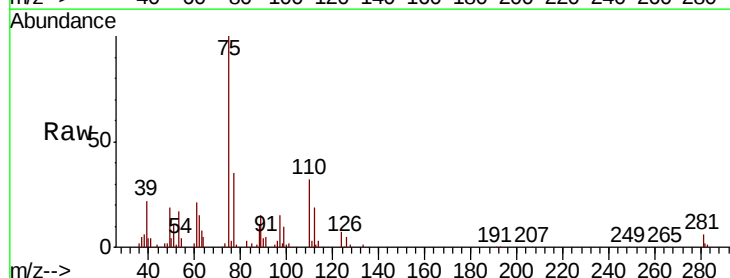
Acq: 11 Mar 2019 13:35

Tgt Ion: 75 Resp: 131912

Ion Ratio Lower Upper

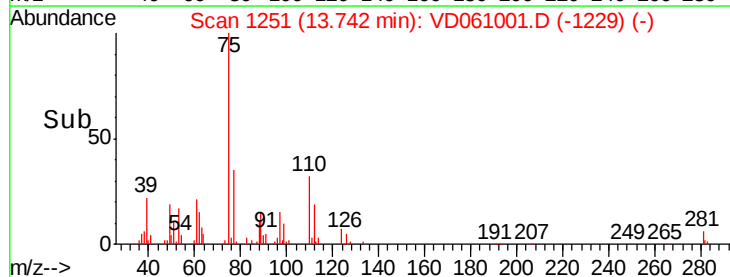
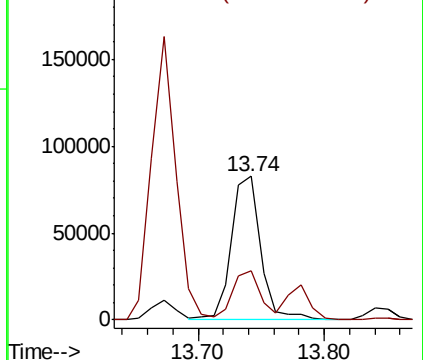
75 100

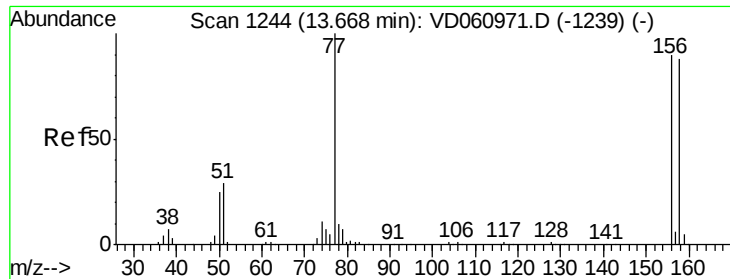
77 34.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.144 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

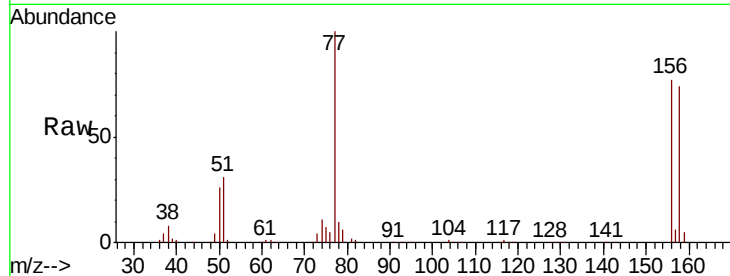
Tot Ion:156 Resp: 171360

Ion Ratio Lower Upper

156 100

77 129.4 55.5 166.7

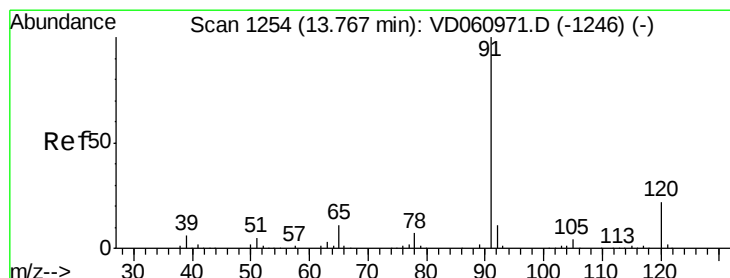
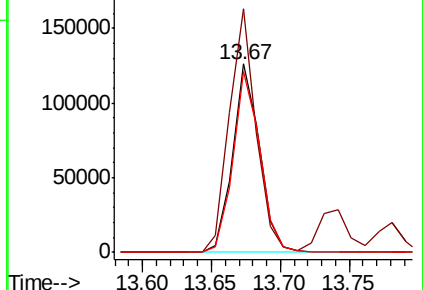
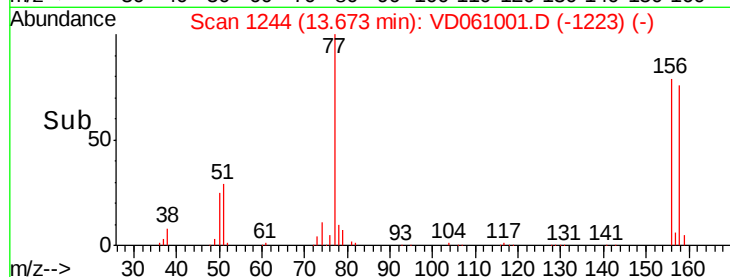
158 95.8 49.0 147.0



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: 20.012 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061001.D

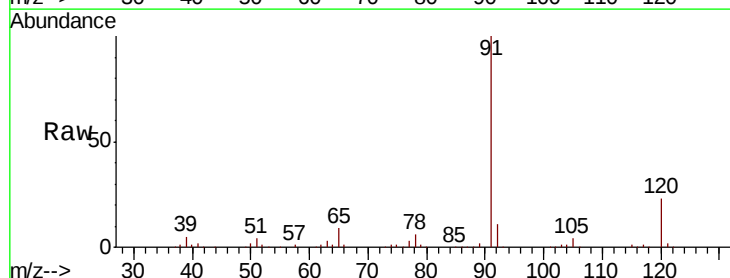
Acq: 11 Mar 2019 13:35

Tgt Ion: 91 Resp: 743806

Ion Ratio Lower Upper

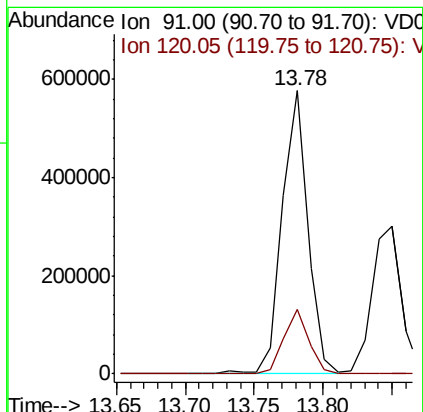
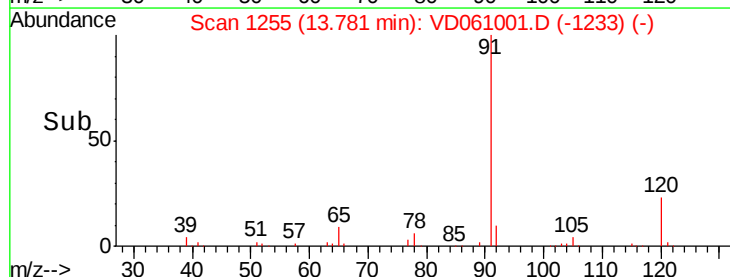
91 100

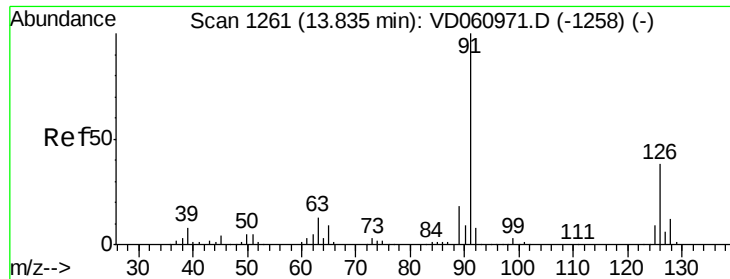
120 23.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.613 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

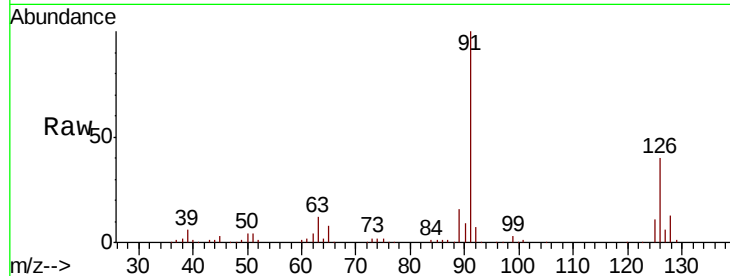
VD0311SBSD01

Tot Ion: 91 Resp: 442256

Ion Ratio Lower Upper

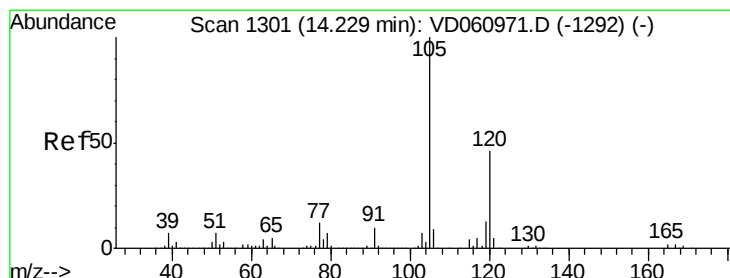
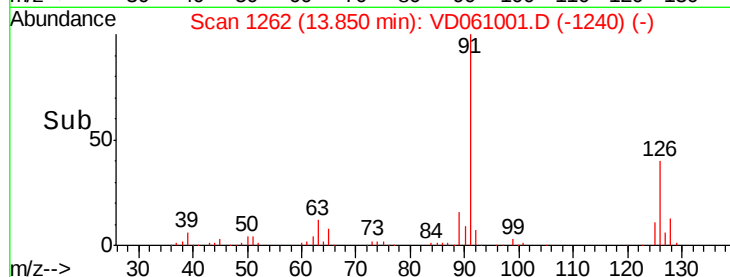
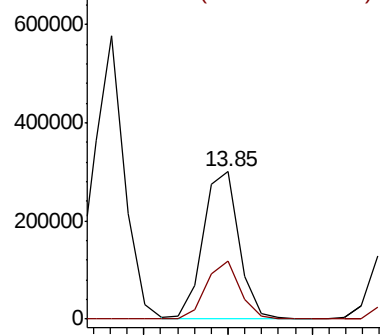
91 100

126 39.7 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: 22.325 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061001.D

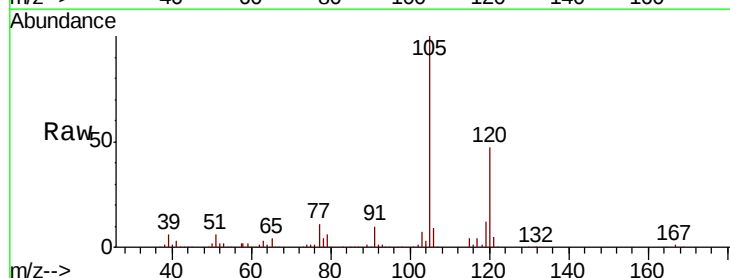
Acq: 11 Mar 2019 13:35

Tgt Ion: 105 Resp: 538100

Ion Ratio Lower Upper

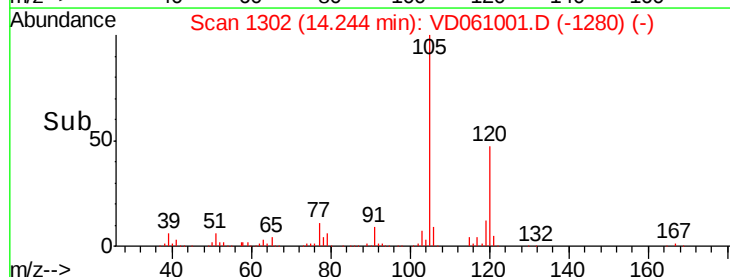
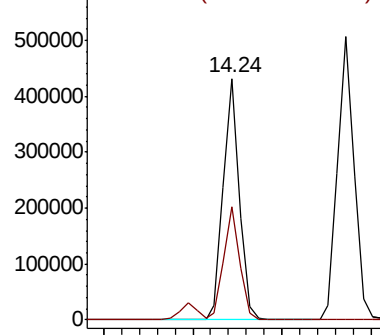
105 100

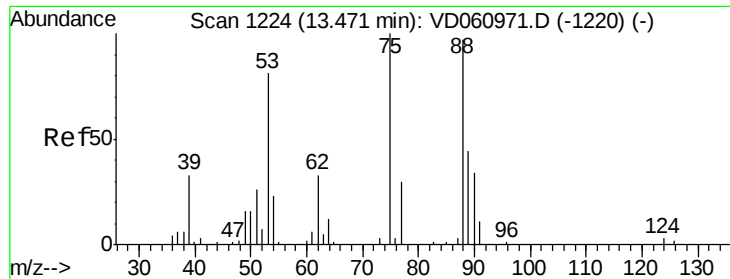
120 46.6 22.9 68.5



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: 20.786 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061001.D

Acq: 11 Mar 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBSD01

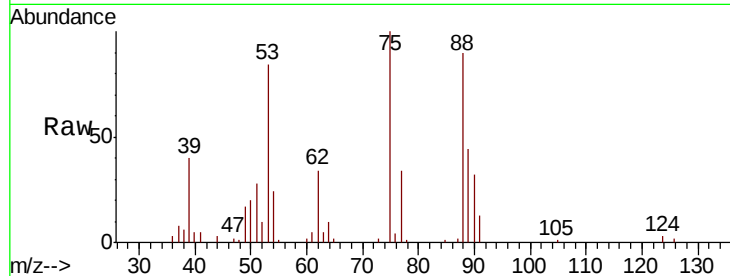
Tot Ion: 75 Resp: 38841

Ion Ratio Lower Upper

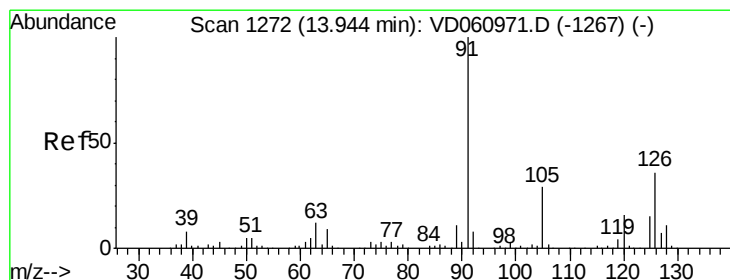
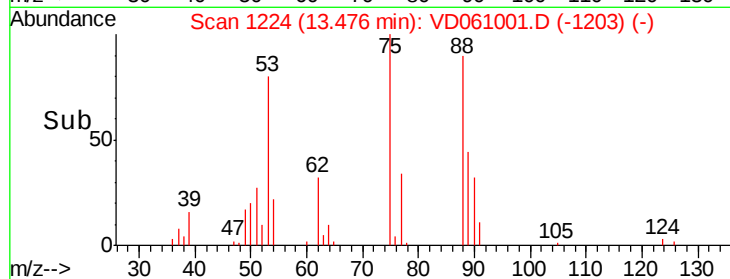
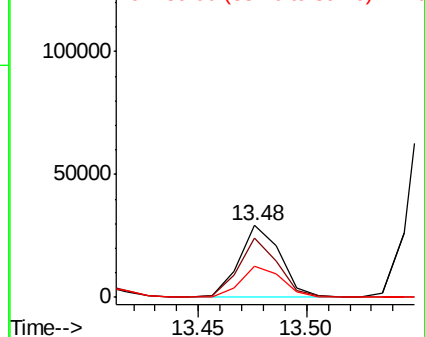
75 100

53 83.6 64.4 96.6

89 44.2 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: 20.720 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061001.D

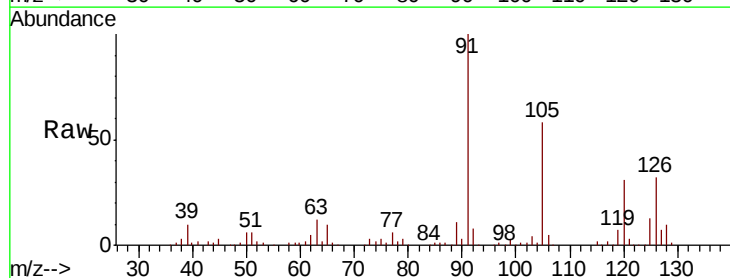
Acq: 11 Mar 2019 13:35

Tgt Ion: 91 Resp: 501233

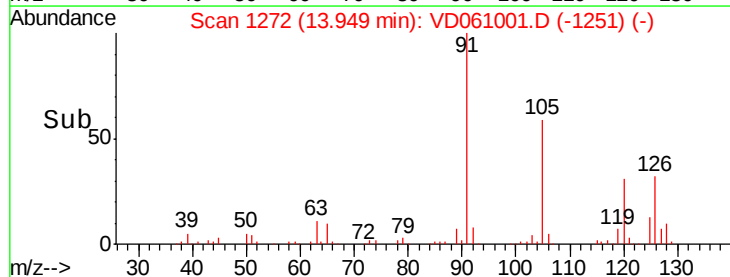
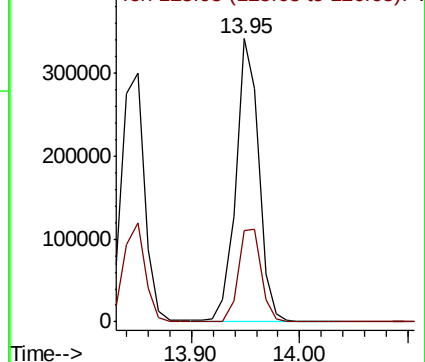
Ion Ratio Lower Upper

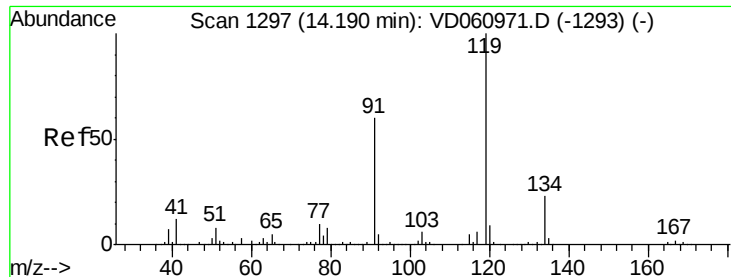
91 100

126 32.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

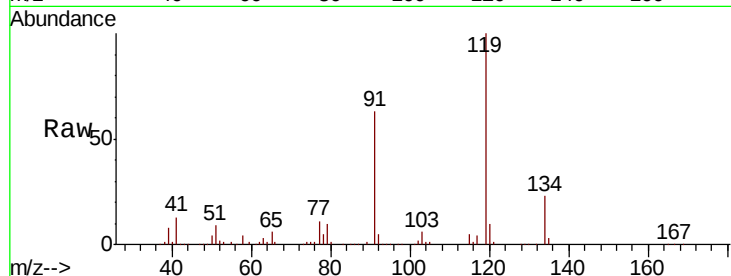




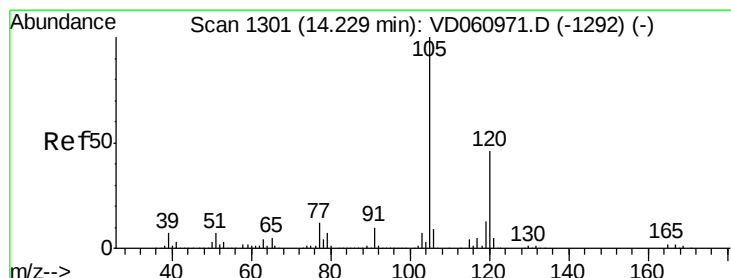
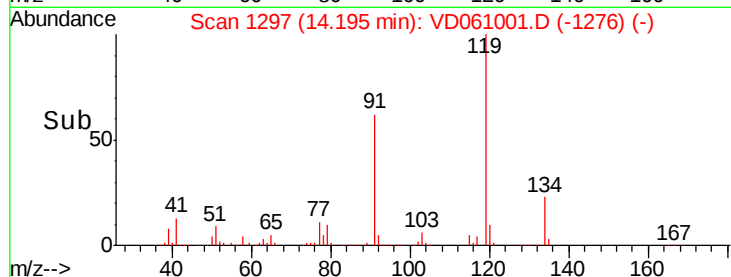
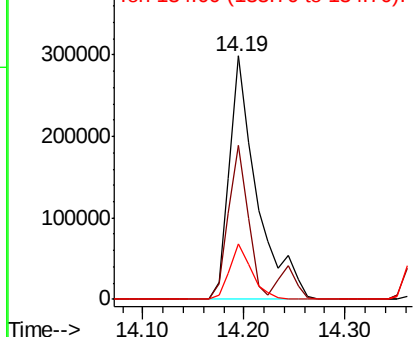
#83
 tert-Butylbenzene
 Concen: 21.570 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion:119 Resp: 568954
 Ion Ratio Lower Upper
 119 100
 91 63.1 30.1 90.3
 134 22.6 11.6 34.7

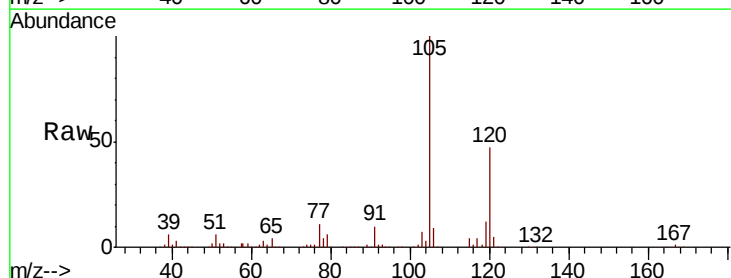


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

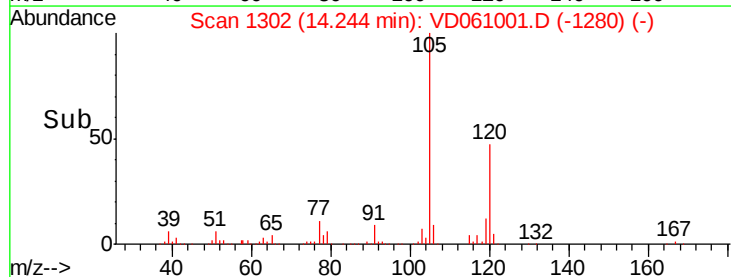
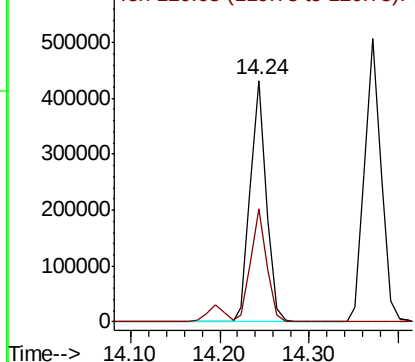


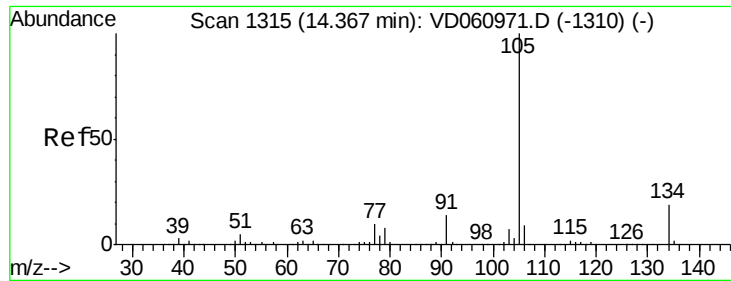
#84
 1,2,4-Trimethylbenzene
 Concen: 22.325 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion:105 Resp: 538100
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.5



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

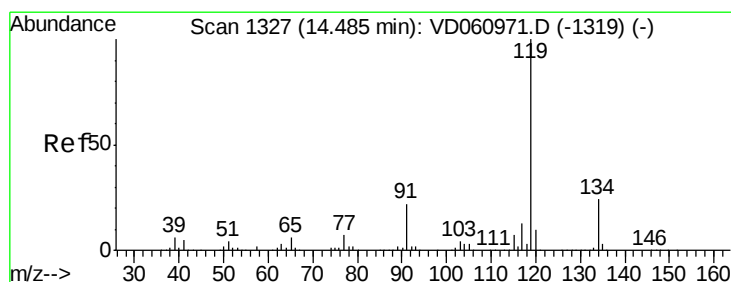
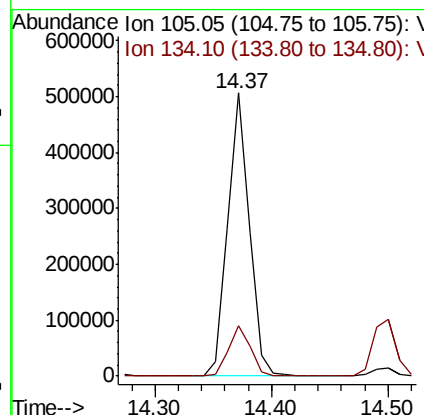
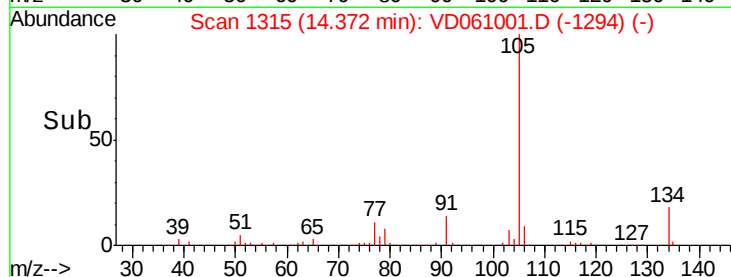
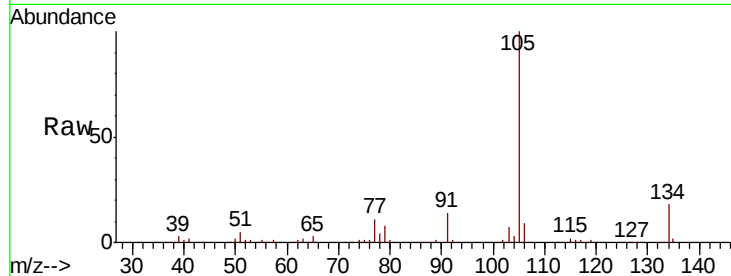




#85
 sec-Butylbenzene
 Concen: 20.275 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

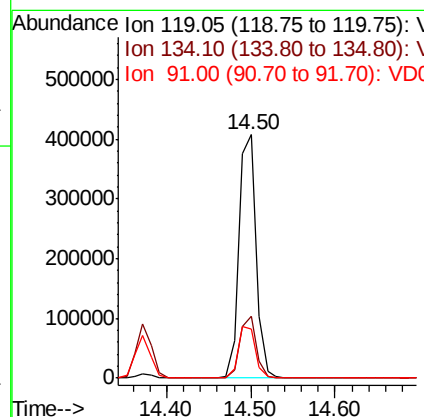
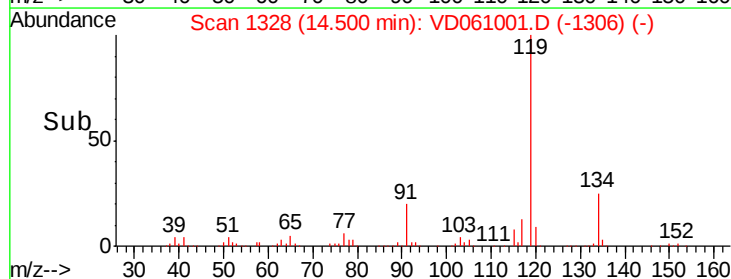
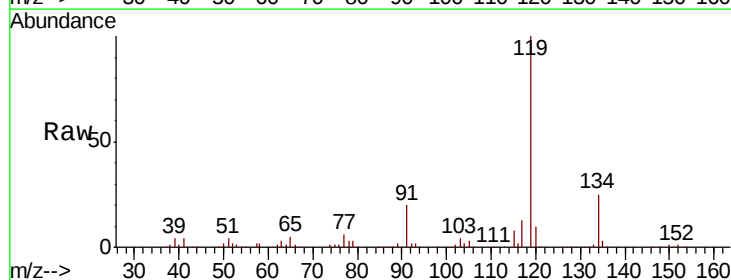
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

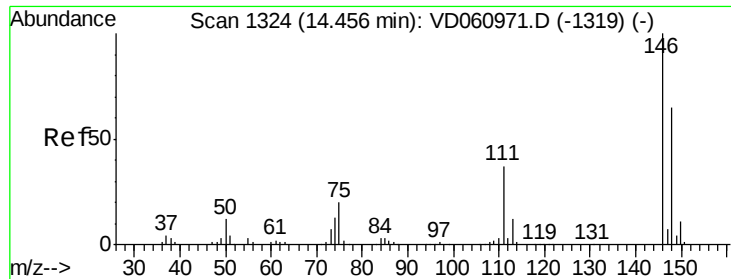
Tot Ion:105 Resp: 652895
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 21.854 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion:119 Resp: 575249
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.0 36.1
 91 20.0 11.2 33.6

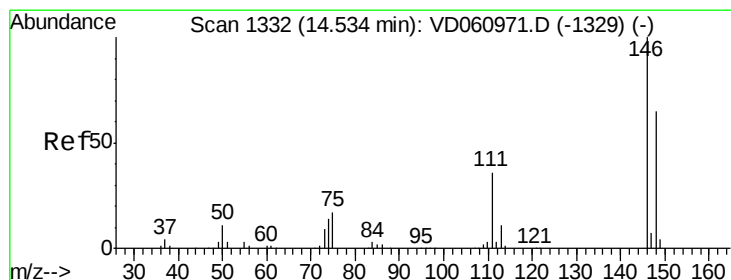
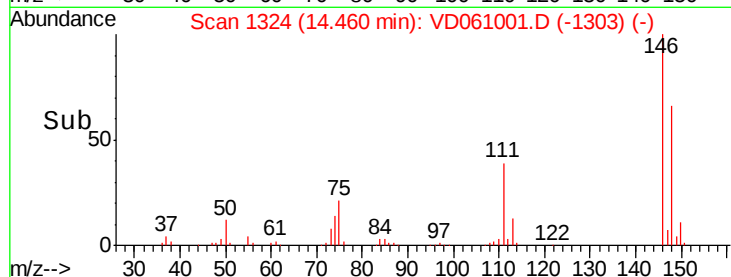
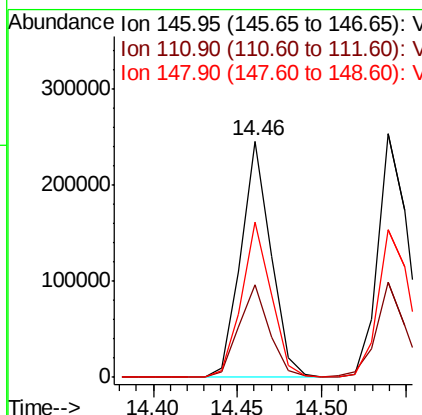
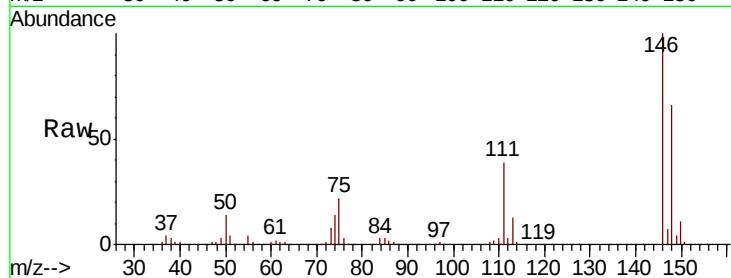




#87
 1,3-Dichlorobenzene
 Concen: 21.069 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

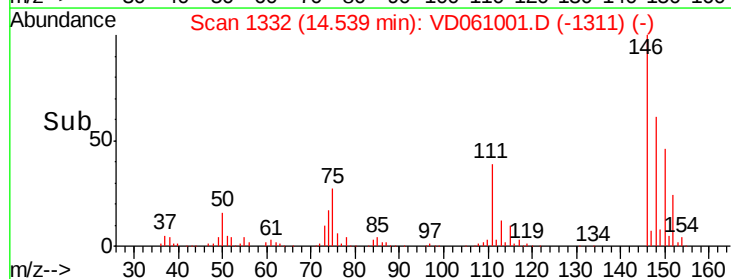
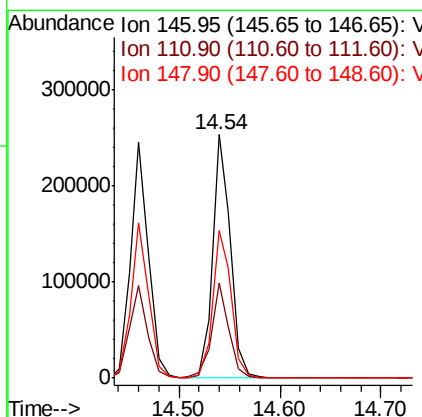
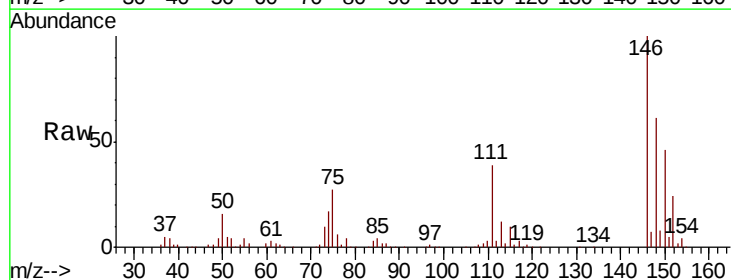
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

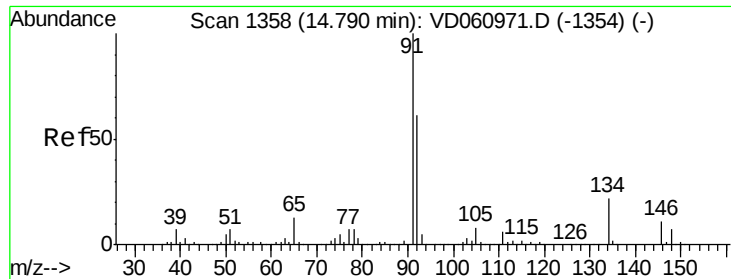
Tot Ion:146 Resp: 304909
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.4
 148 65.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 22.015 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion:146 Resp: 313086
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.4 55.2
 148 60.7 32.5 97.5

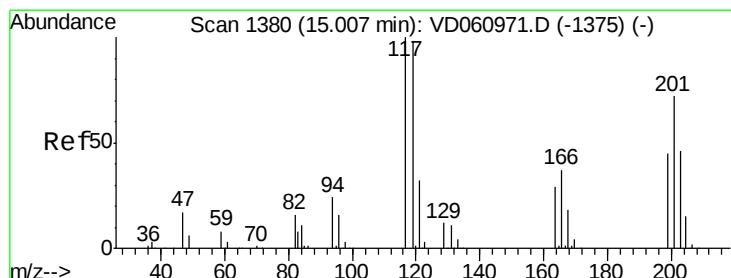
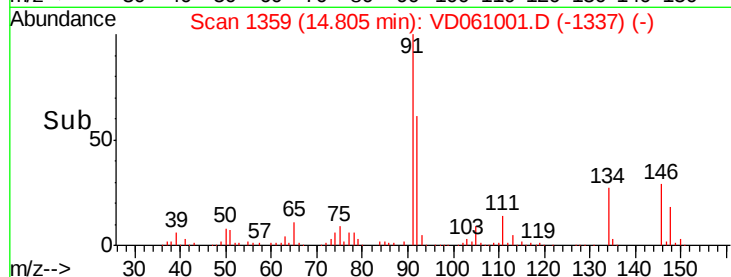
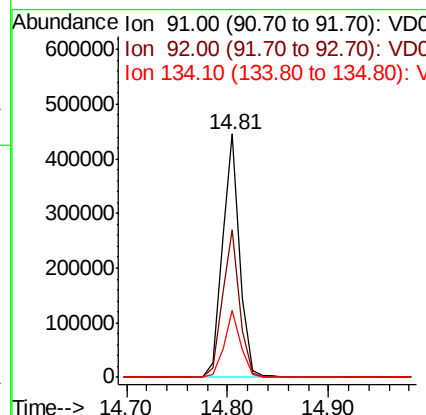
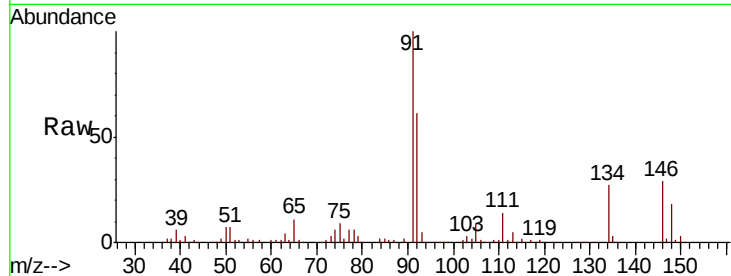




#89
n-Butylbenzene
Concen: 21.044 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

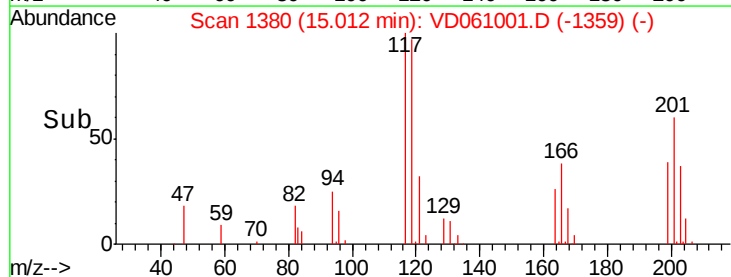
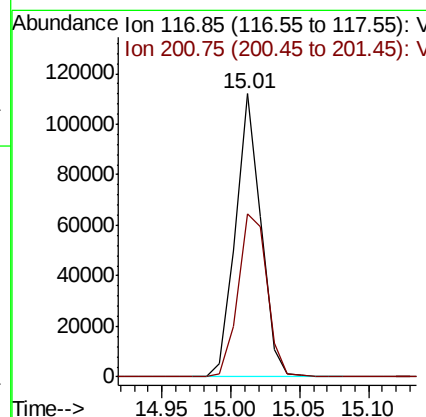
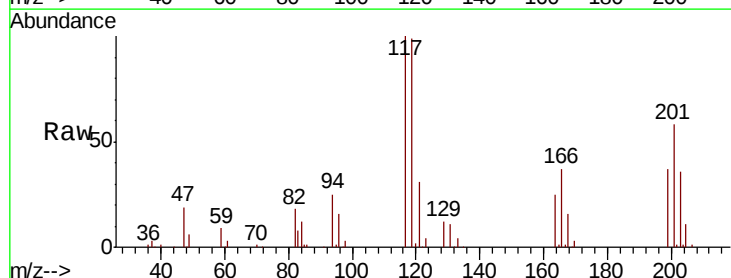
Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

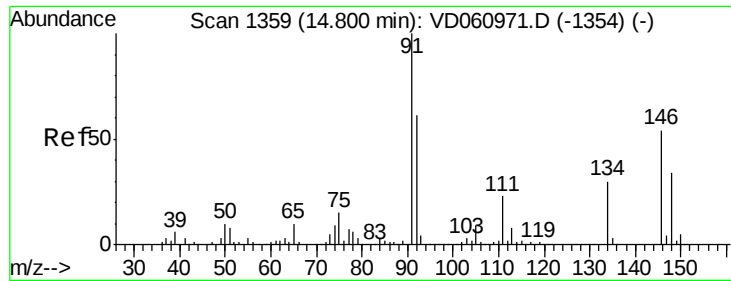
Tot Ion: 91 Resp: 531932
Ion Ratio Lower Upper
91 100
92 60.7 30.6 91.8
134 27.3 11.0 33.0



#90
Hexachloroethane
Concen: 19.327 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion: 117 Resp: 143647
Ion Ratio Lower Upper
117 100
201 57.8 36.2 108.6

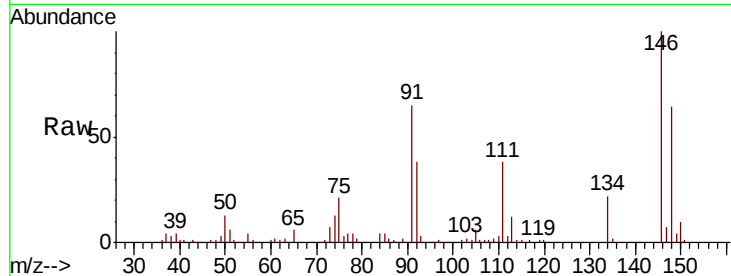




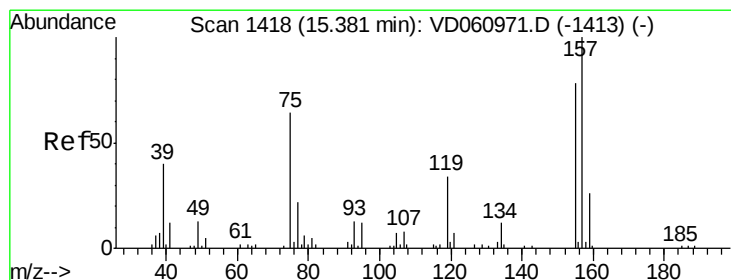
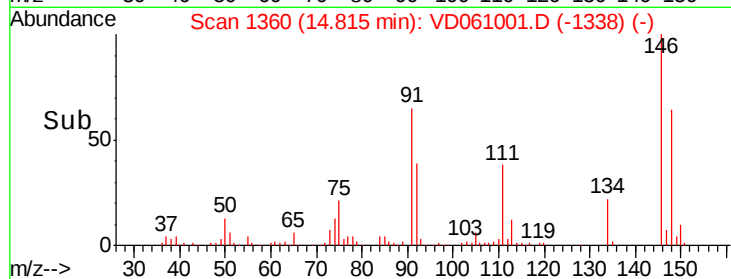
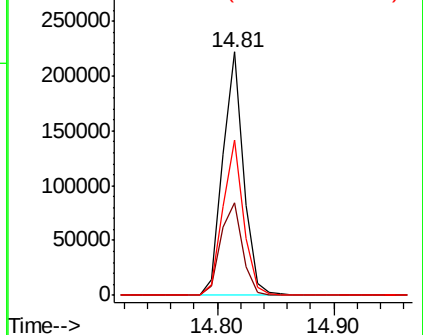
#91
 1,2-Dichlorobenzene
 Concen: 22.665 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion:146 Resp: 273451
 Ion Ratio Lower Upper
 146 100
 111 37.9 21.5 64.5
 148 63.6 30.9 92.8

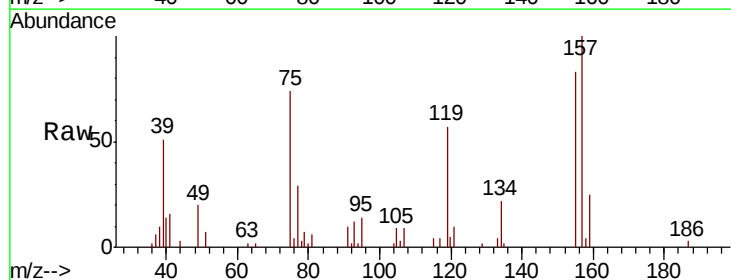


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

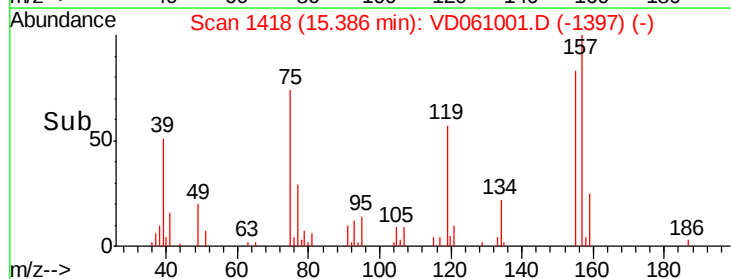
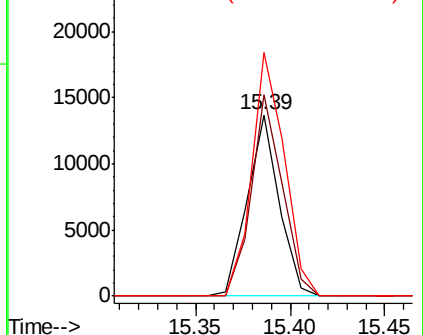


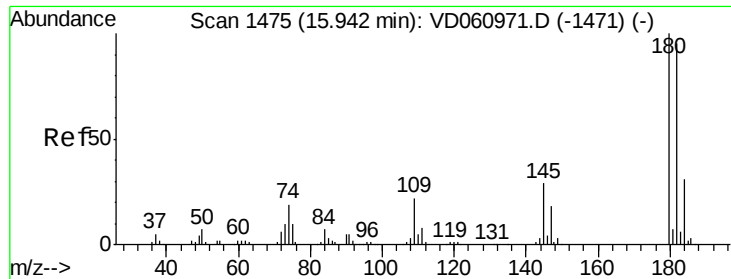
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.309 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion: 75 Resp: 15906
 Ion Ratio Lower Upper
 75 100
 155 111.2 61.2 183.5
 157 134.4 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

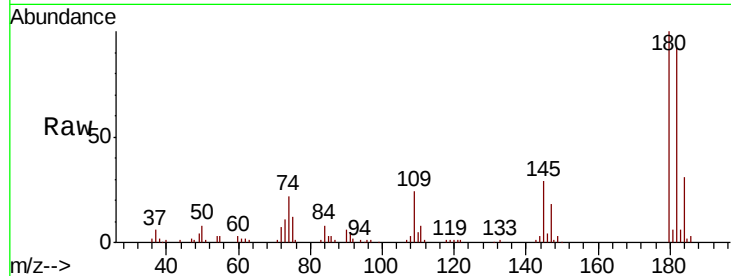




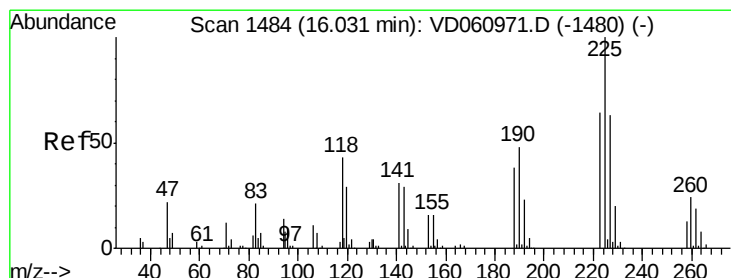
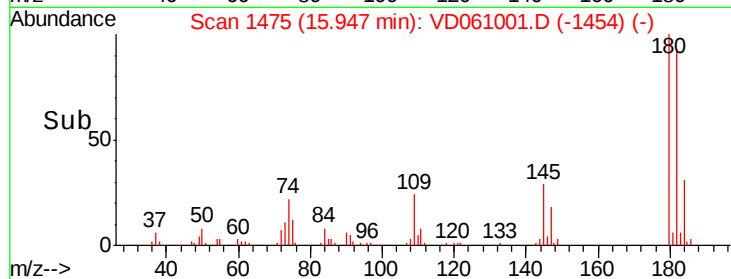
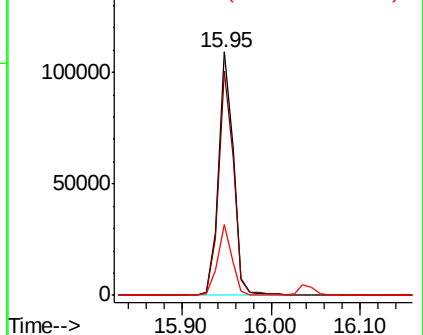
#93
 1,2,4-Trichlorobenzene
 Concen: 22.744 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.3	142.0
145	29.2	14.4	43.0

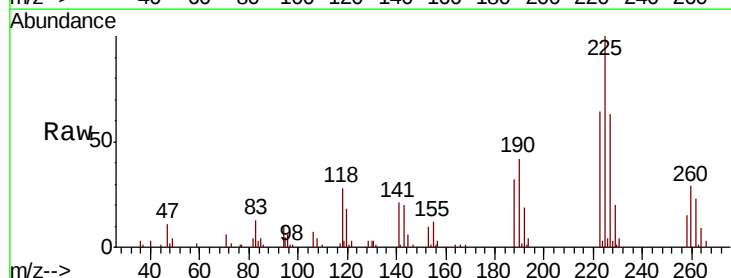


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

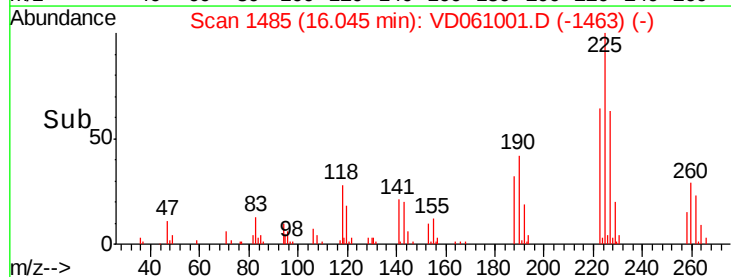
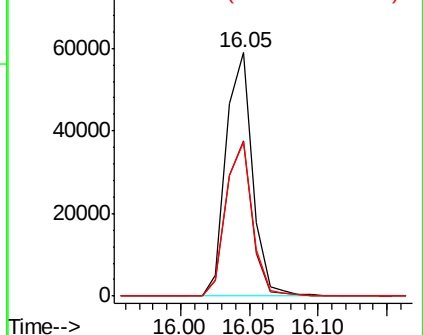


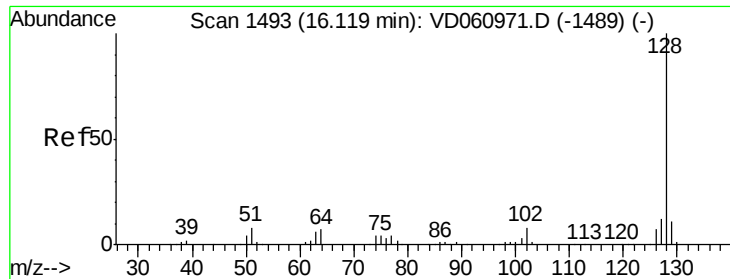
#94
 Hexachlorobutadiene
 Concen: 18.581 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061001.D
 Acq: 11 Mar 2019 13:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	95.3
227	63.1	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

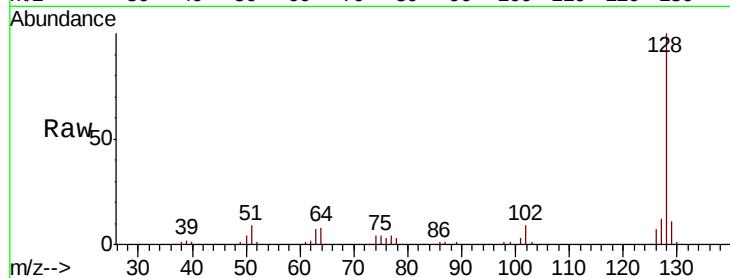




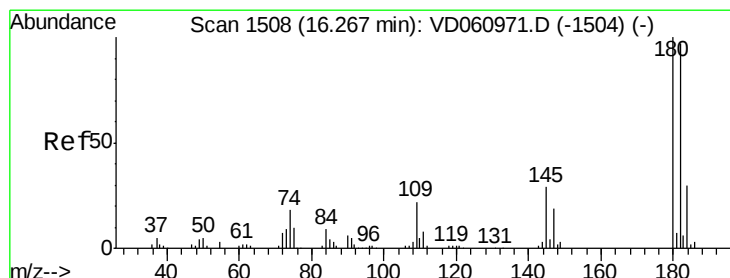
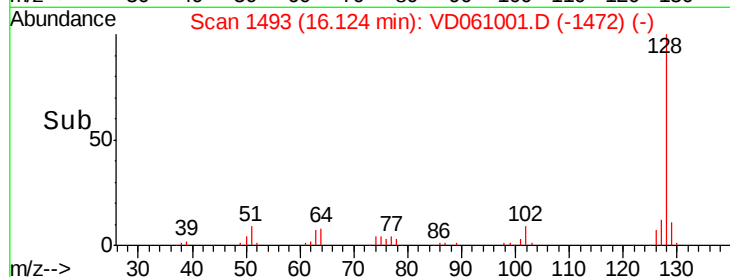
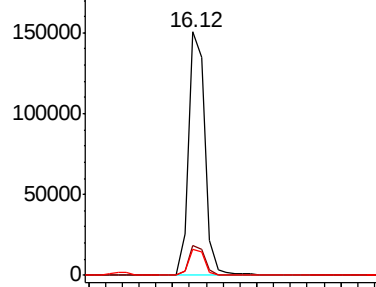
#95
Naphthalene
Concen: 23.751 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBSD01

Tot Ion:128 Resp: 202003
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.9 8.5 12.7

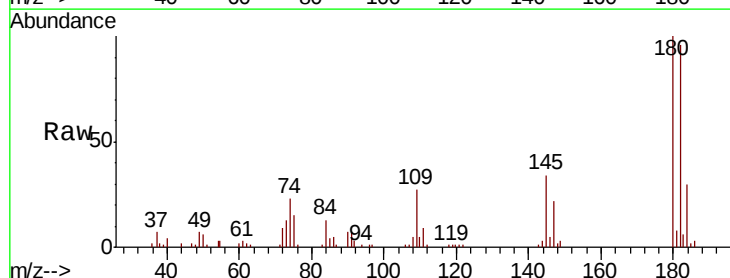


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 24.403 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061001.D
Acq: 11 Mar 2019 13:35

Tgt Ion:180 Resp: 67457
Ion Ratio Lower Upper
180 100
182 96.2 48.6 145.8
145 33.6 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

