

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061602.D
 Acq On : 5 Apr 2019 4:19
 Operator : VA/AP
 Sample : VD0404SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

Quant Time: Apr 05 04:52:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	501546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	785449	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	696249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	312742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	250992	58.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.16%	
35) Dibromofluoromethane	6.89	113	375730	62.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.20%	
50) Toluene-d8	10.39	98	845105	58.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.40%	
62) 4-Bromofluorobenzene	13.54	95	356290	64.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	112461	20.996	ug/l	98
3) Chloromethane	1.75	50	98112	22.460	ug/l	100
4) Vinyl Chloride	1.84	62	91732	22.871	ug/l	99
5) Bromomethane	2.14	94	18778	23.610	ug/l	98
6) Chloroethane	2.26	64	26742	22.736	ug/l	97
7) Trichlorofluoromethane	2.52	101	129487	22.201	ug/l	100
8) Diethyl Ether	2.86	74	43638	23.238	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.14	101	141633	22.588	ug/l	97
10) Methyl Iodide	3.29	142	187501	21.772	ug/l	99
11) Tert butyl alcohol	4.04	59	34416	128.986	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	117774	21.877	ug/l	97
13) Acrolein	3.03	56	14193	51.634	ug/l	92
14) Allyl chloride	3.61	41	170300	22.680	ug/l	96
15) Acrylonitrile	4.17	53	119396	128.927	ug/l	98
16) Acetone	3.20	43	116806	106.055	ug/l	95
17) Carbon Disulfide	3.36	76	348449	19.922	ug/l	99
18) Methyl Acetate	3.62	43	63956	27.618	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	241812	25.949	ug/l	97
20) Methylene Chloride	3.79	84	171392	26.891	ug/l	93
21) trans-1,2-Dichloroethene	4.20	96	136537	23.492	ug/l	97
22) Diisopropyl ether	5.09	45	377409	23.752	ug/l	99
23) Vinyl Acetate	5.02	43	1038724	120.348	ug/l	98
24) 1,1-Dichloroethane	4.96	63	219124	23.466	ug/l	99
25) 2-Butanone	6.04	43	159937	115.442	ug/l	99
26) 2,2-Dichloropropane	5.99	77	168150	22.652	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	157905	24.797	ug/l	99
28) Bromochloromethane	6.41	49	86130	22.849	ug/l #	100
29) Tetrahydrofuran	6.43	42	90996	135.509	ug/l	98
30) Chloroform	6.64	83	250389	25.950	ug/l	100
31) Cyclohexane	6.92	56	156237	21.172	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	205390	24.129	ug/l	97
36) 1,1-Dichloropropene	7.12	75	173910	25.369	ug/l	98
37) Ethyl Acetate	6.16	43	86502	29.505	ug/l	97
38) Carbon Tetrachloride	7.09	117	200004	25.390	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	164103	22.985	ug/l	96
40) Benzene	7.43	78	428336	24.897	ug/l	100
41) Methacrylonitrile	6.42	41	101784	29.692	ug/l	96
42) 1,2-Dichloroethane	7.55	62	154624	30.045	ug/l	96
43) Isopropyl Acetate	9.22	43	109033	25.560	ug/l	97
44) Trichloroethene	8.52	130	159439	24.902	ug/l	94
45) 1,2-Dichloropropane	8.92	63	107177	24.567	ug/l	95
46) Dibromomethane	9.04	93	81788	27.854	ug/l	97
47) Bromodichloromethane	9.35	83	180358	27.366	ug/l	98
48) Methyl methacrylate	9.10	41	61847	26.271	ug/l	92
49) 1,4-Dioxane	9.06	88	12199	469.795	ug/l #	84
51) 4-Methyl-2-Pentanone	10.28	43	361952	139.468	ug/l	96
52) Toluene	10.49	92	272077	25.922	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	169626	28.328	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	181749	24.927	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	105151	28.646	ug/l	93
56) Ethyl methacrylate	11.02	69	102103	25.892	ug/l	98
57) 1,3-Dichloropropane	11.38	76	141673	26.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	235371	122.564	ug/l	99
59) 2-Hexanone	11.51	43	277306	147.478	ug/l	99
60) Dibromochloromethane	11.67	129	157702	27.868	ug/l	98
61) 1,2-Dibromoethane	11.79	107	119573	28.131	ug/l	96
64) Tetrachloroethene	11.24	164	131477	24.061	ug/l	97
65) Chlorobenzene	12.38	112	358247	25.177	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	140710	25.540	ug/l	98
67) Ethyl Benzene	12.51	91	550105	25.329	ug/l	96
68) m/p-Xylenes	12.65	106	417439	50.739	ug/l	95
69) o-Xylene	13.03	106	198857	24.908	ug/l	100
70) Styrene	13.06	104	336922	24.209	ug/l	98
71) Bromoform	13.21	173	87662	25.101	ug/l	98
73) Isopropylbenzene	13.39	105	484298	22.250	ug/l	100
74) N-amyl acetate	13.25	43	149043	24.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	114487	24.934	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	105277	23.304	ug/l	100
77) Bromobenzene	13.66	156	145063	22.480	ug/l	87
78) n-propylbenzene	13.76	91	604872	22.708	ug/l	94
79) 2-Chlorotoluene	13.82	91	350896	24.261	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	412137	24.404	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	34850	25.301	ug/l #	90
82) 4-Chlorotoluene	13.93	91	406302	25.836	ug/l	93
83) tert-Butylbenzene	14.18	119	506368	23.992	ug/l	94
84) 1,2,4-Trimethylbenzene	14.22	105	436423	23.869	ug/l	99
85) sec-Butylbenzene	14.36	105	485526	21.654	ug/l	98
86) p-Isopropyltoluene	14.47	119	466373	24.598	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	266655	24.403	ug/l	95
88) 1,4-Dichlorobenzene	14.52	146	245032	22.994	ug/l	99
89) n-Butylbenzene	14.79	91	406843	23.379	ug/l	98
90) Hexachloroethane	15.00	117	124586	23.260	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	228563	25.501	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13976	25.952	ug/l	68

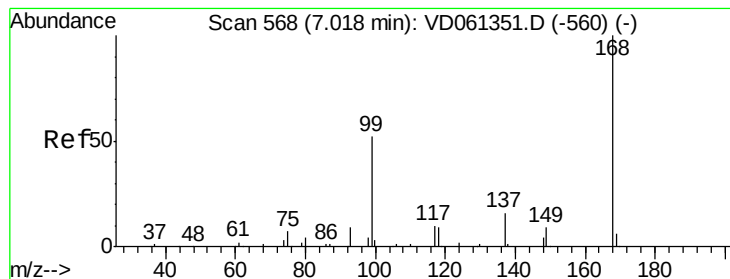
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061602.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	103192	25.274	ug/l	99
94) Hexachlorobutadiene	16.03	225	80891	25.353	ug/l	96
95) Naphthalene	16.11	128	176140	28.302	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	47917	26.669	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

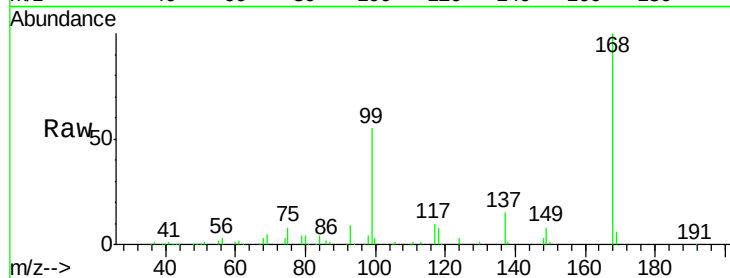
VD0404SBSD02

Tot Ion:168 Resp: 501546

Ion Ratio Lower Upper

168 100

99 55.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

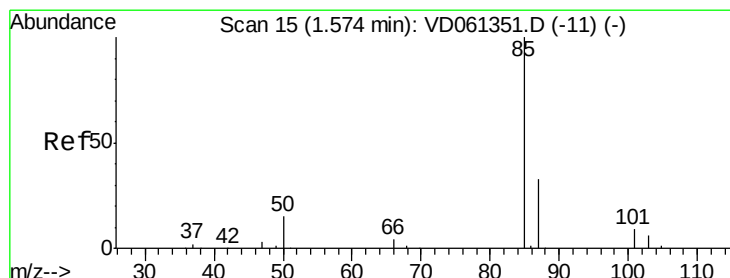
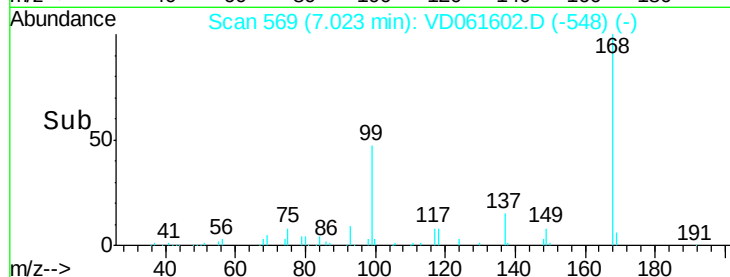
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.996 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061602.D

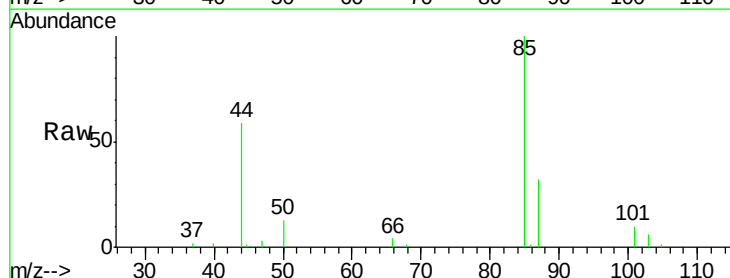
Acq: 5 Apr 2019 4:19

Tgt Ion: 85 Resp: 112461

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

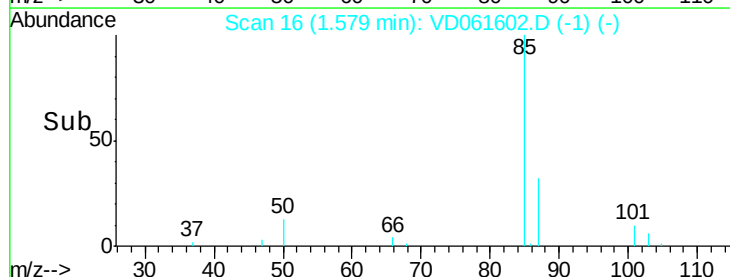
20000

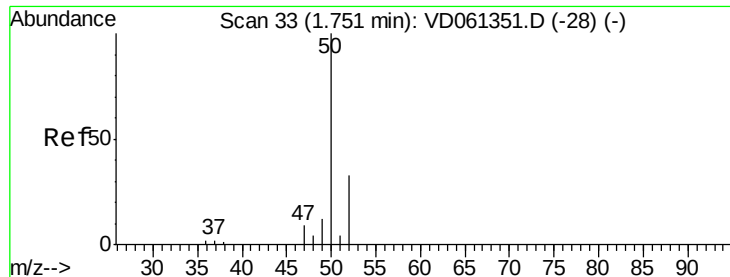
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.460 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

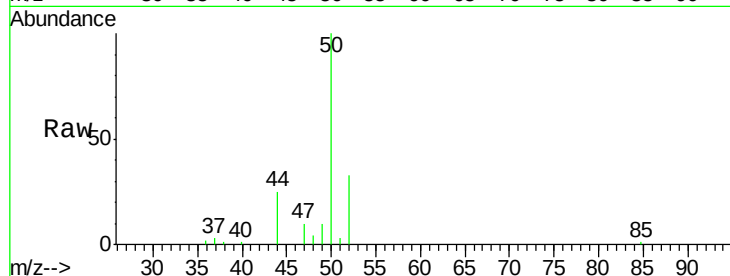
VD0404SBS02

Tot Ion: 50 Resp: 98112

Ion Ratio Lower Upper

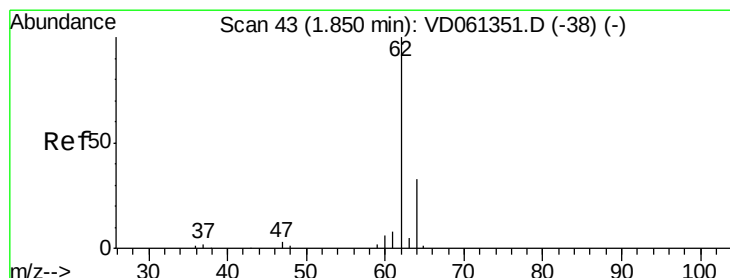
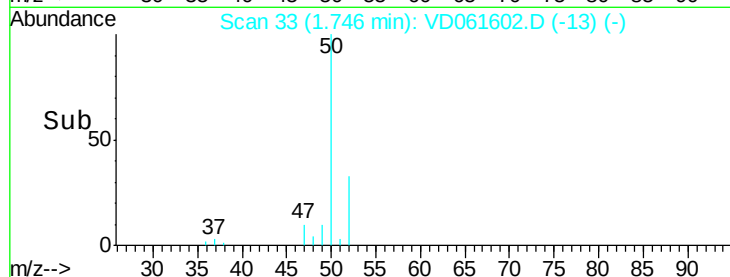
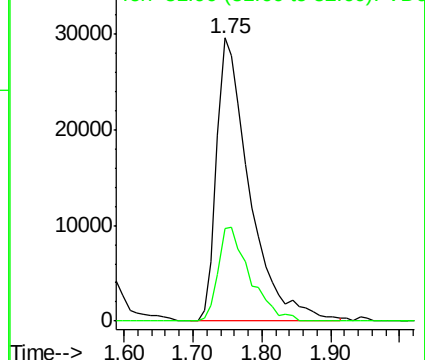
50 100

52 32.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.871 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061602.D

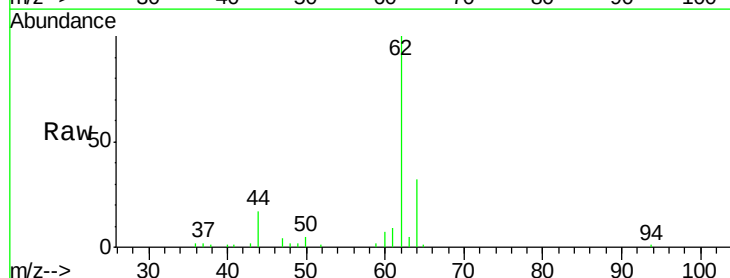
Acq: 5 Apr 2019 4:19

Tgt Ion: 62 Resp: 91732

Ion Ratio Lower Upper

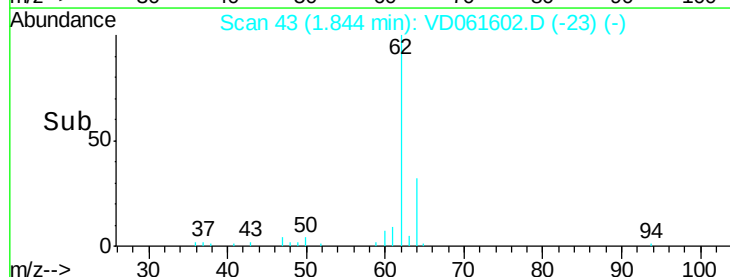
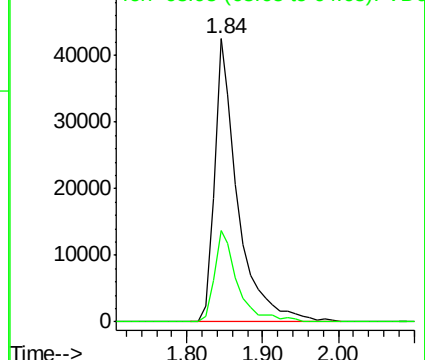
62 100

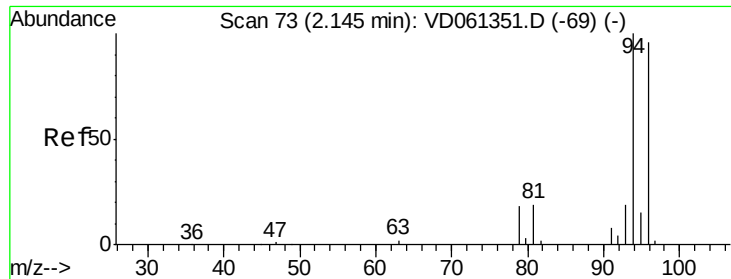
64 32.5 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.610 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBSD02

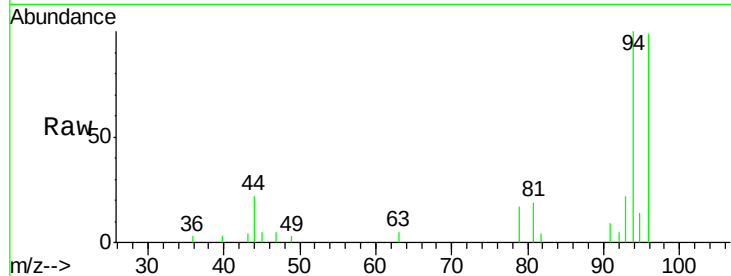
Tot Ion: 94 Resp: 18778

Ion Ratio Lower Upper

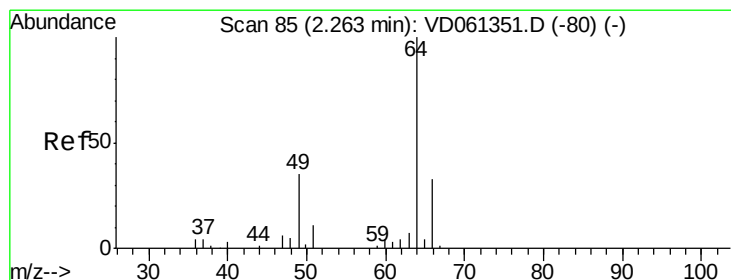
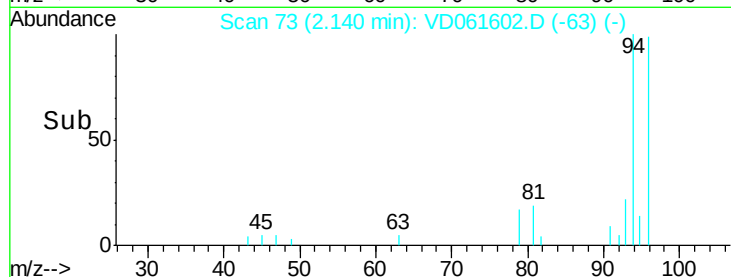
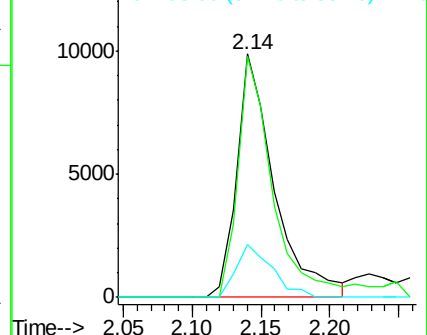
94 100

96 99.2 78.3 117.5

93 21.7 15.6 23.4



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: 22.736 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061602.D

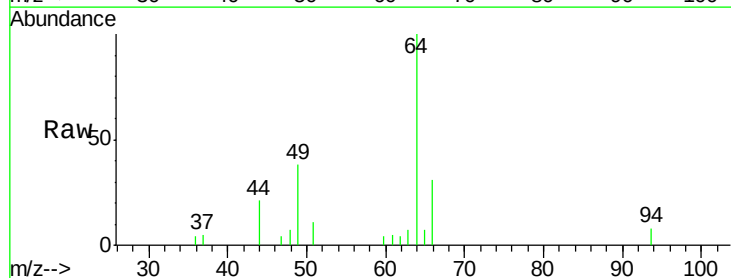
Acq: 5 Apr 2019 4:19

Tgt Ion: 64 Resp: 26742

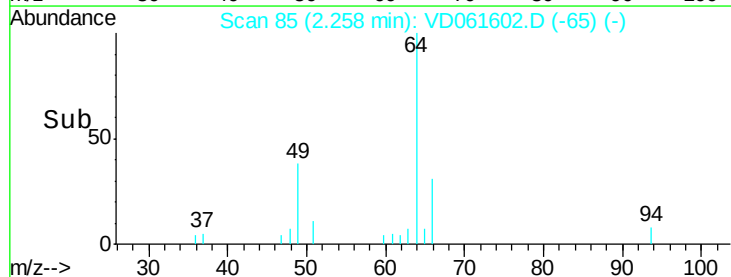
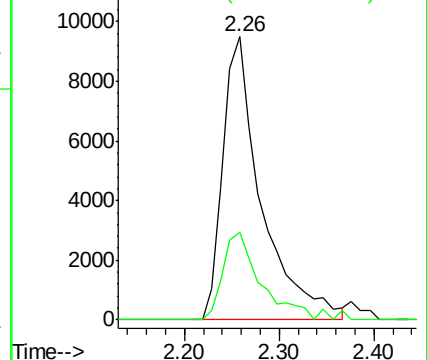
Ion Ratio Lower Upper

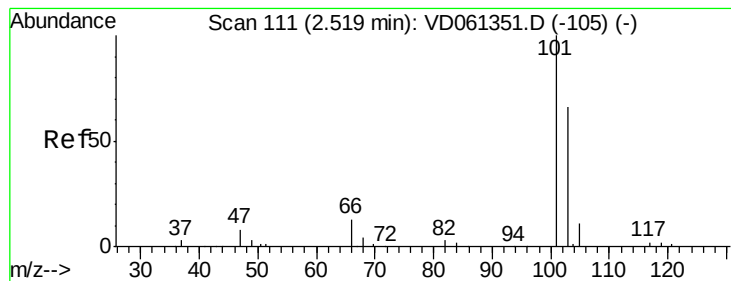
64 100

66 31.1 26.2 39.2



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



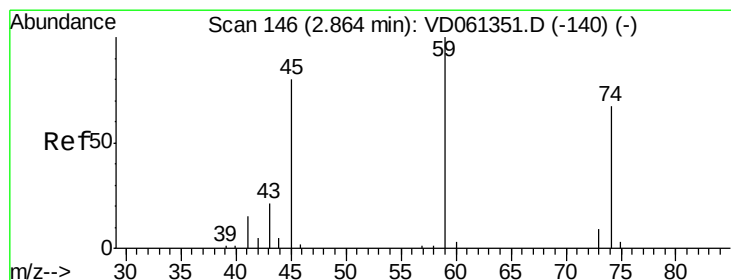
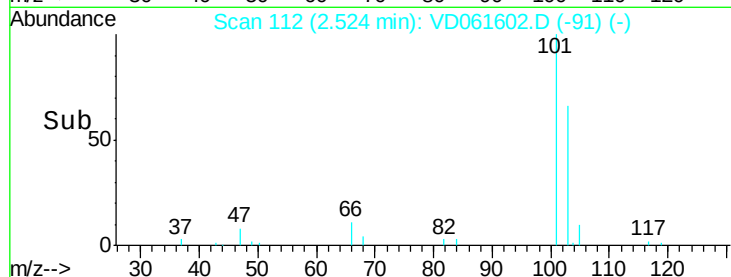
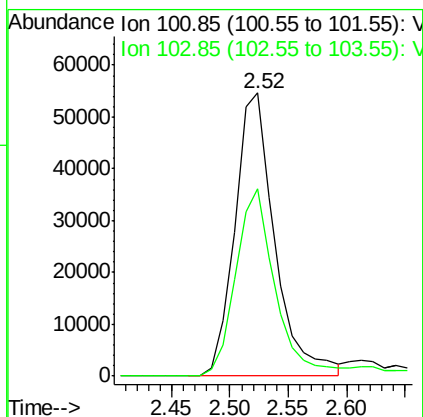
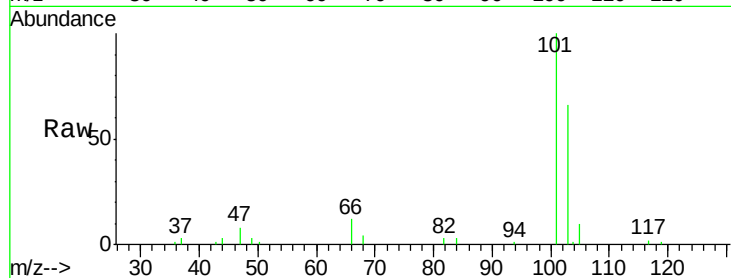


#7

Trichlorofluoromethane
 Concen: 22.201 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBSD02

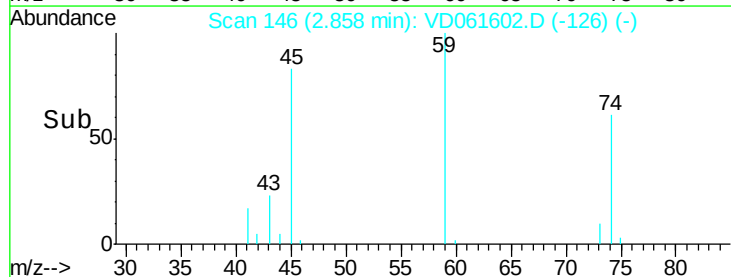
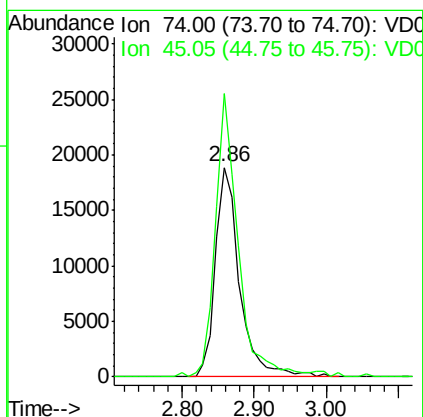
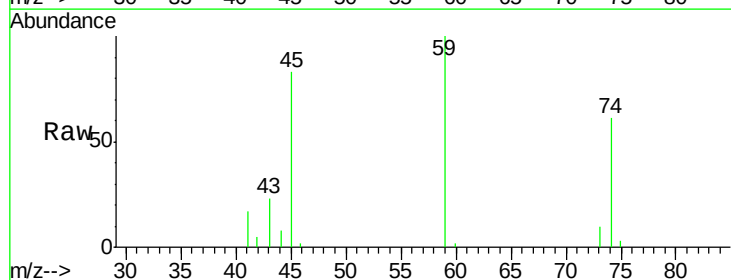
Tot Ion: 101 Resp: 129487
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.1 79.7

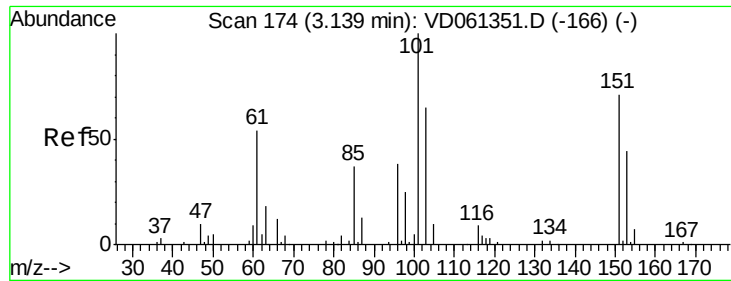


#8

Diethyl Ether
 Concen: 23.238 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Tgt Ion: 74 Resp: 43638
 Ion Ratio Lower Upper
 74 100
 45 135.0 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.588 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

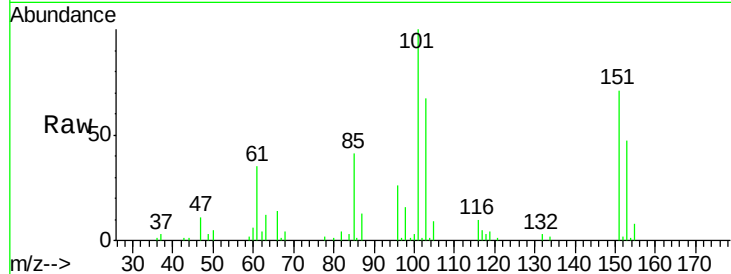
Tot Ion:101 Resp: 141633

Ion Ratio Lower Upper

101 100

85 41.4 29.4 44.0

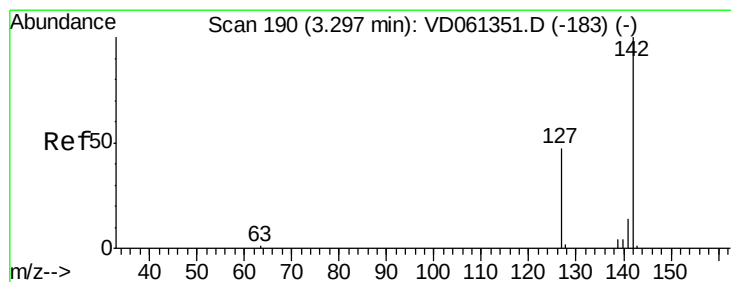
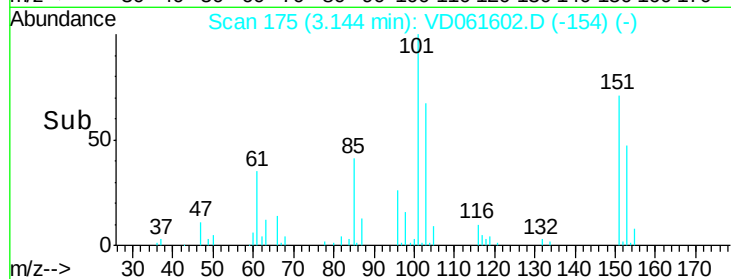
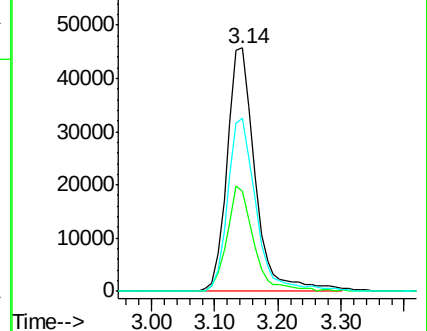
151 71.3 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.772 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

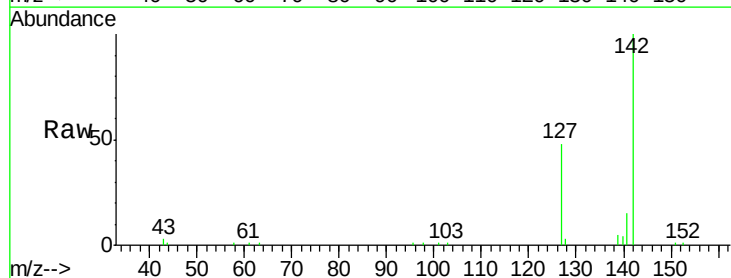
Tgt Ion:142 Resp: 187501

Ion Ratio Lower Upper

142 100

127 48.2 37.7 56.5

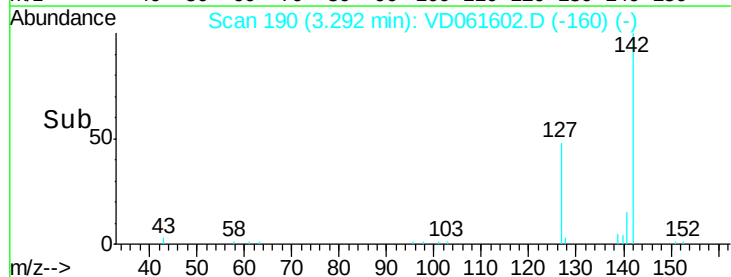
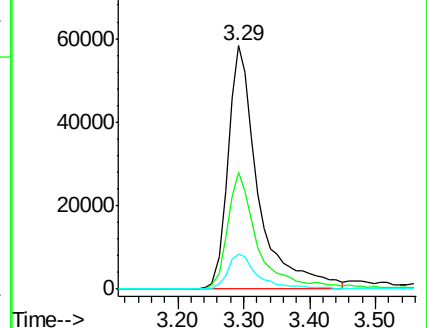
141 14.5 11.5 17.3

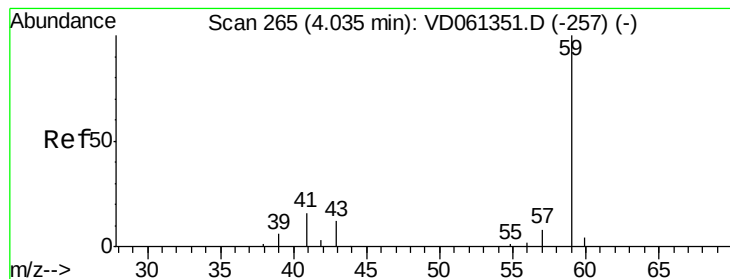


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 128.986 ug/l

RT: 4.04 min Scan# 266

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

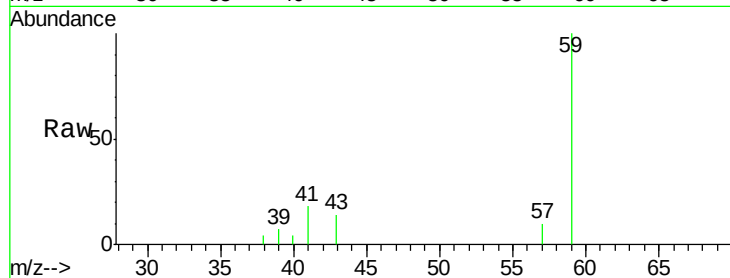
VD0404SBSD02

Tot Ion: 59 Resp: 34416

Ion Ratio Lower Upper

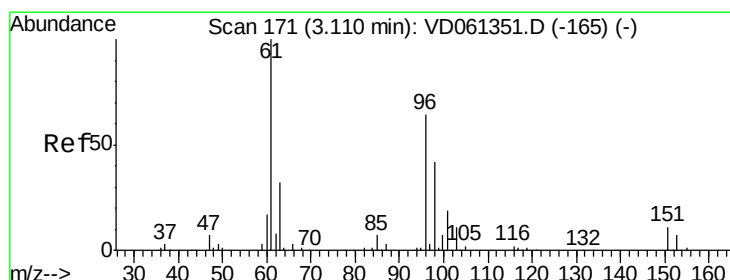
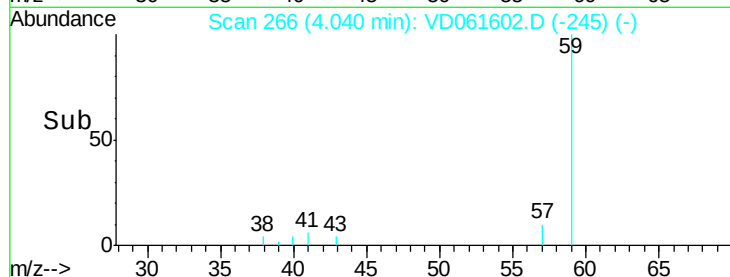
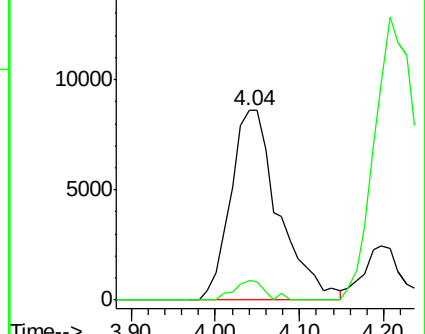
59 100

57 10.2 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 21.877 ug/l

RT: 3.11 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

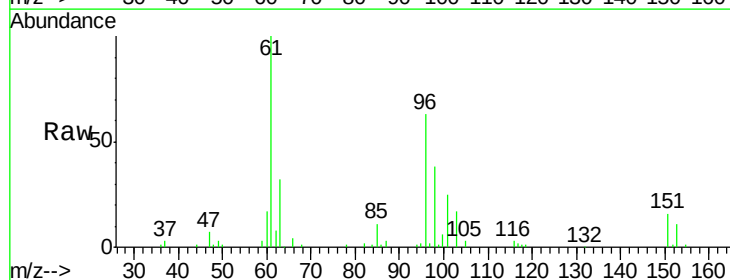
Tgt Ion: 96 Resp: 117774

Ion Ratio Lower Upper

96 100

61 159.2 124.9 187.3

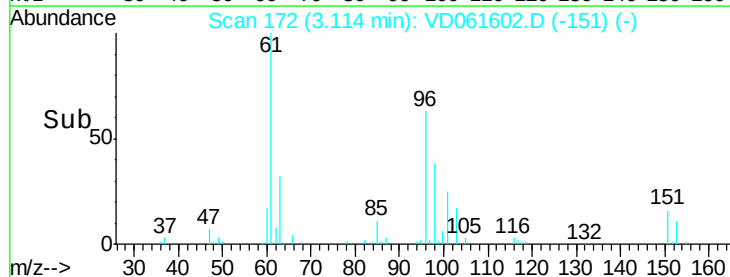
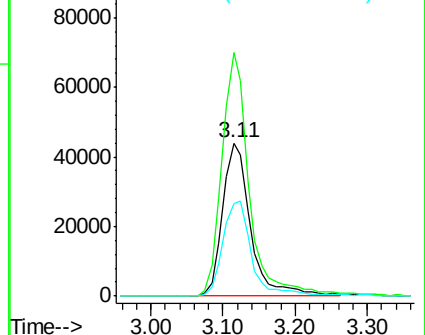
98 60.8 52.5 78.7

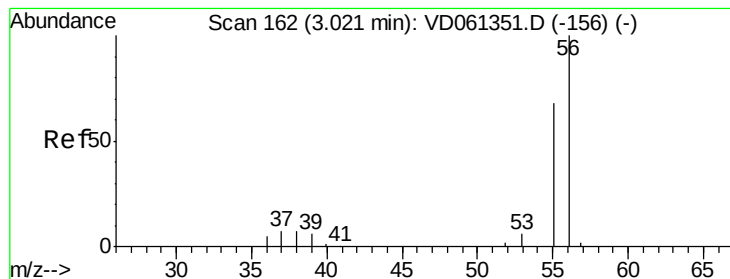


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 51.634 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

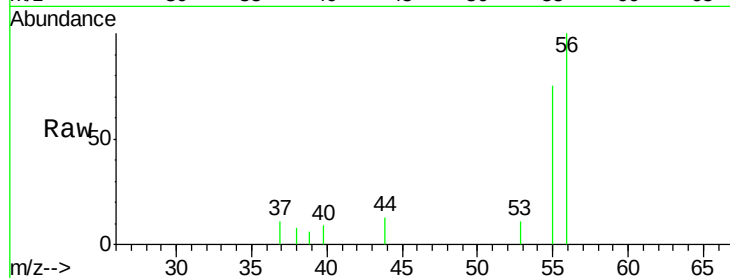
VD0404SBSD02

Tot Ion: 56 Resp: 14193

Ion Ratio Lower Upper

56 100

55 74.6 54.6 82.0

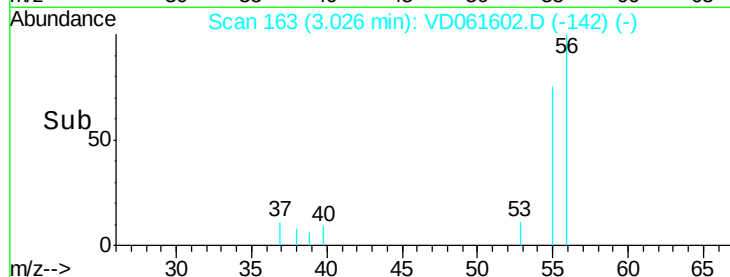


Abundance Ion 55.95 (55.65 to 56.65): VDC

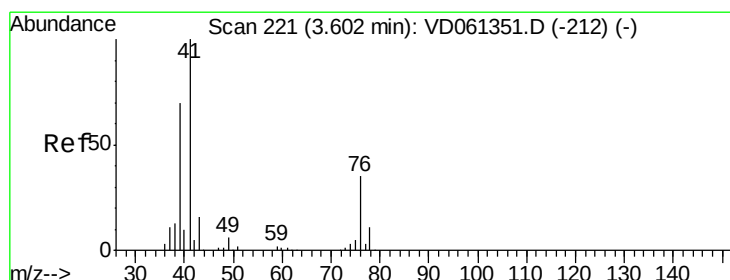
Ion 55.00 (54.70 to 55.70): VDC

3.03

Time-->



Time-->



#14

Allyl chloride

Concen: 22.680 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

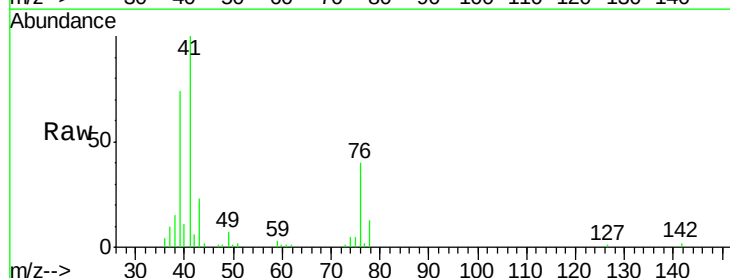
Tgt Ion: 41 Resp: 170300

Ion Ratio Lower Upper

41 100

39 73.9 55.6 83.4

76 40.1 31.0 46.6



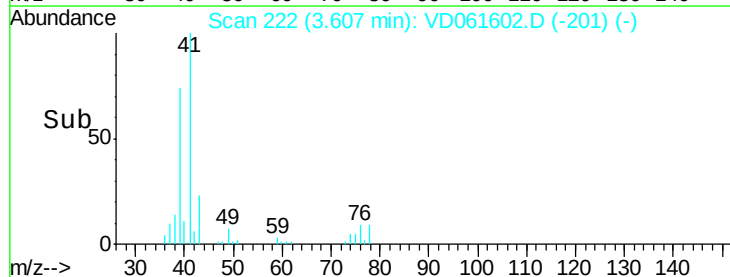
Abundance Ion 41.05 (40.75 to 41.75): VDC

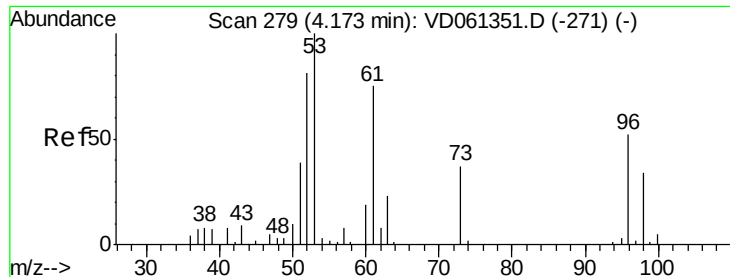
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.61

Time-->





#15

Acrylonitrile

Concen: 128.927 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

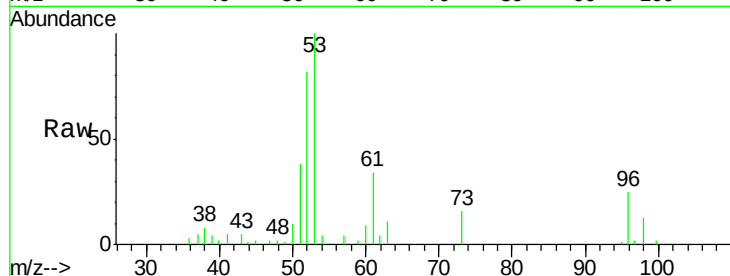
Tot Ion: 53 Resp: 119396

Ion Ratio Lower Upper

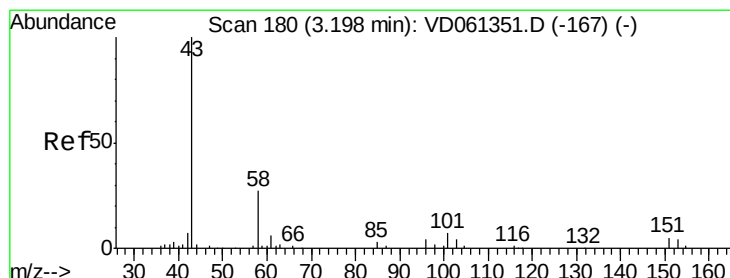
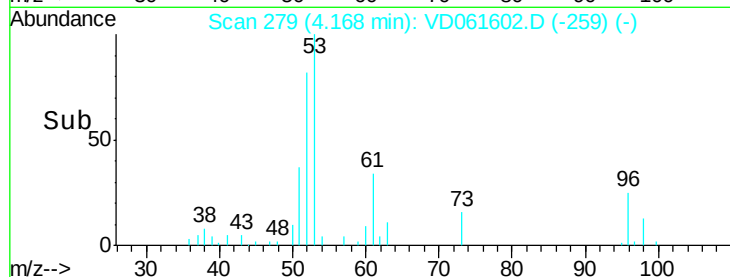
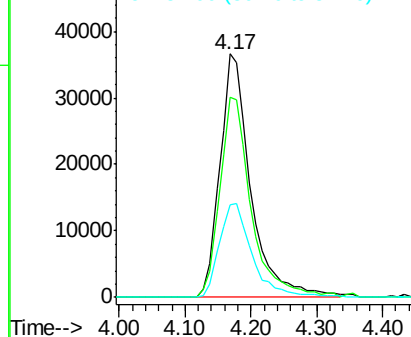
53 100

52 82.1 64.8 97.2

51 37.8 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 106.055 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061602.D

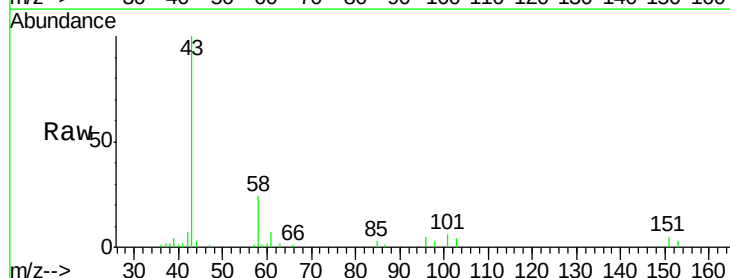
Acq: 5 Apr 2019 4:19

Tgt Ion: 43 Resp: 116806

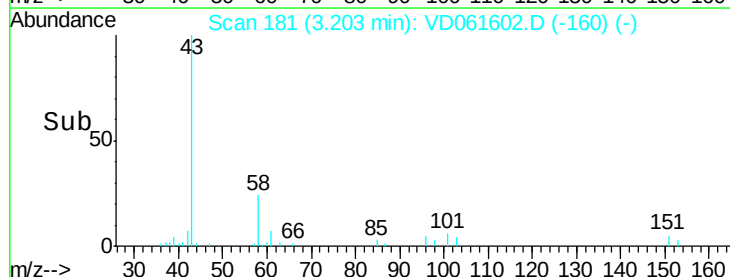
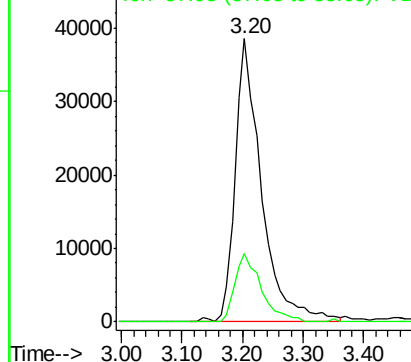
Ion Ratio Lower Upper

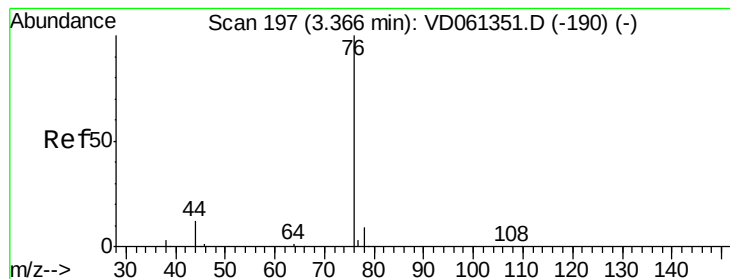
43 100

58 24.3 21.5 32.3



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





#17

Carbon Disulfide

Concen: 19.922 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

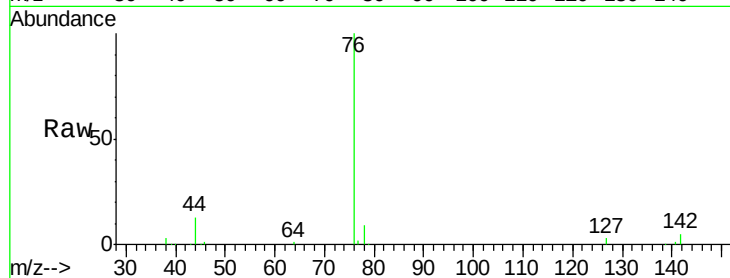
VD0404SBSD02

Tot Ion: 76 Resp: 348449

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

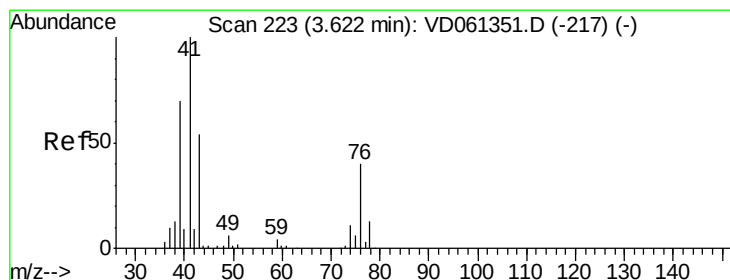
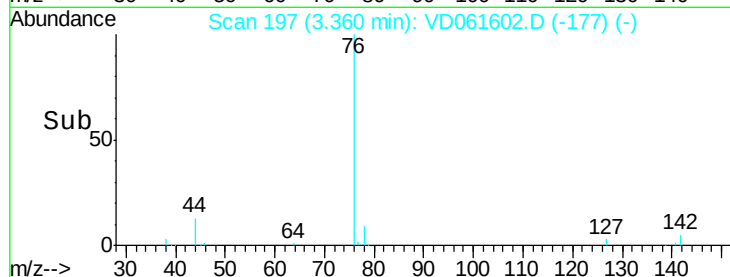
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 27.618 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061602.D

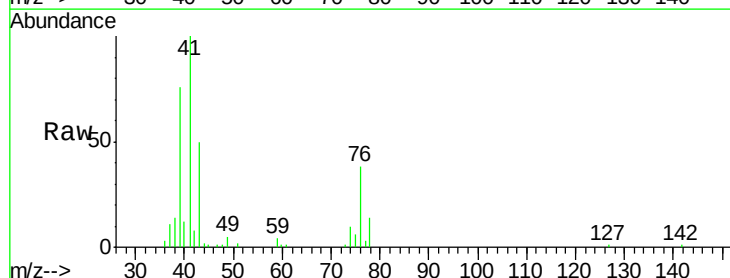
Acq: 5 Apr 2019 4:19

Tgt Ion: 43 Resp: 63956

Ion Ratio Lower Upper

43 100

74 19.6 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

25000

20000

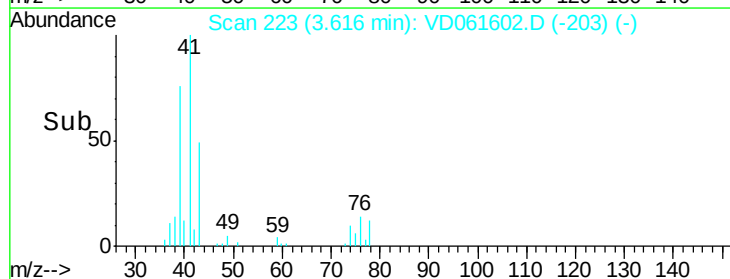
15000

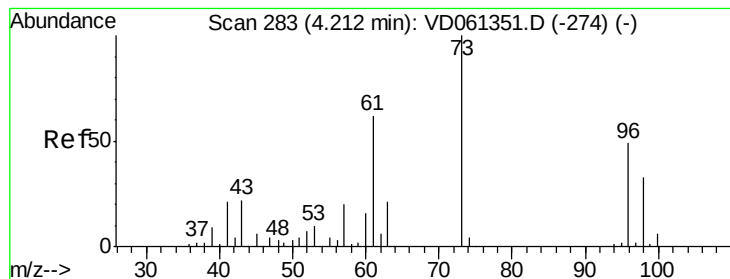
10000

5000

0

Time-->



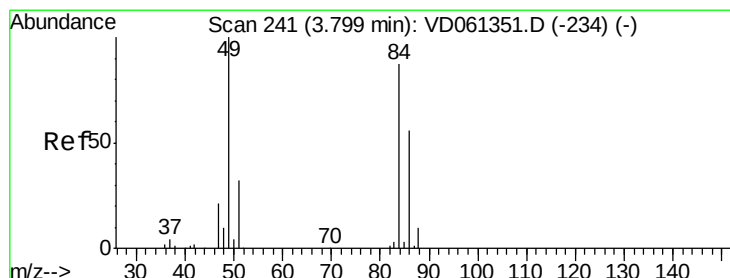
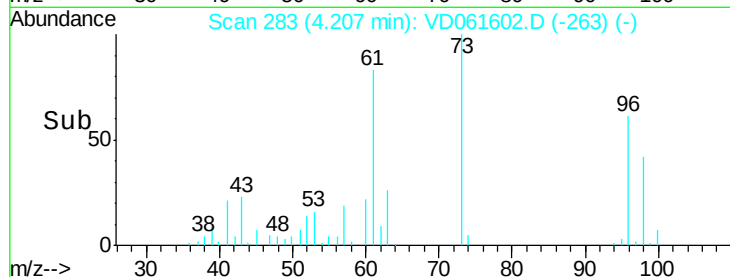
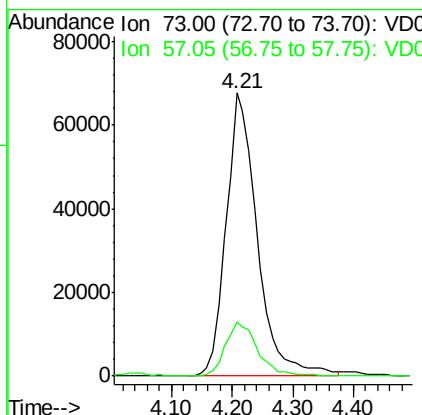
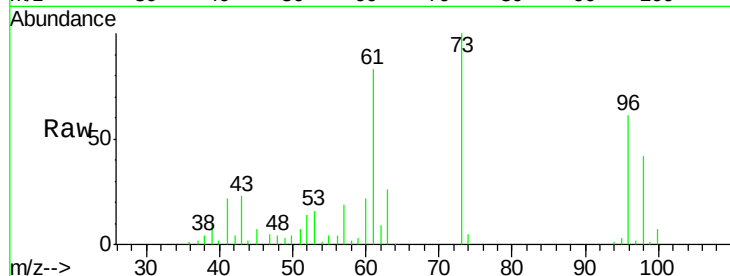


#19

Methyl tert-butyl Ether
 Concen: 25.949 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

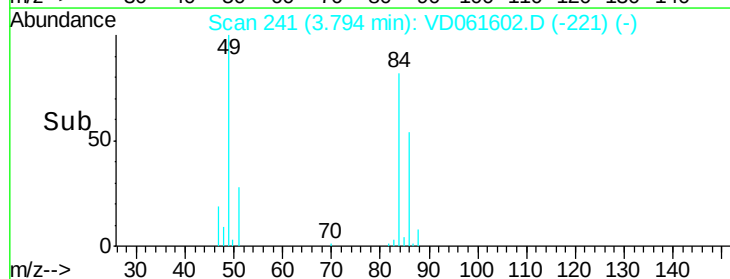
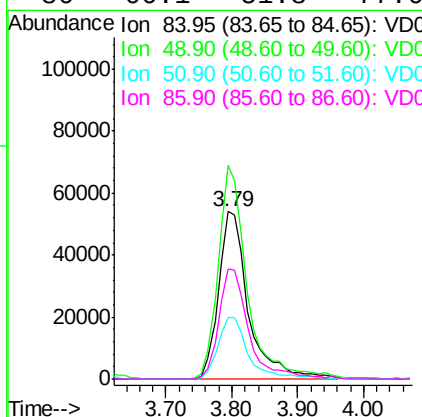
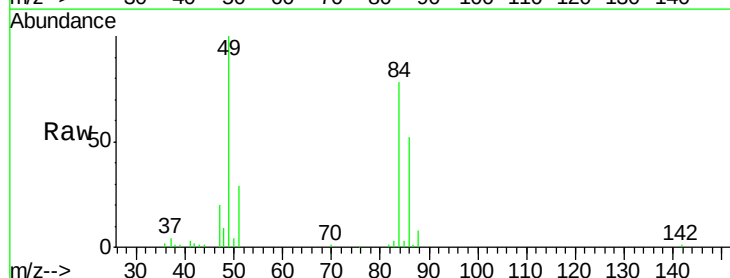
Tot Ion: 73 Resp: 241812
 Ion Ratio Lower Upper
 73 100
 57 19.0 16.4 24.6

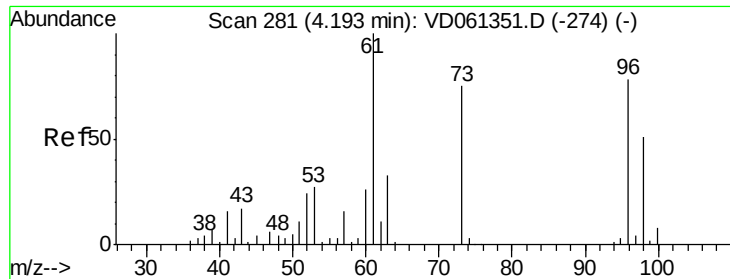


#20

Methylene Chloride
 Concen: 26.891 ug/l
 RT: 3.79 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Tgt Ion: 84 Resp: 171392
 Ion Ratio Lower Upper
 84 100
 49 127.5 91.8 137.8
 51 36.6 29.8 44.8
 86 66.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 23.492 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

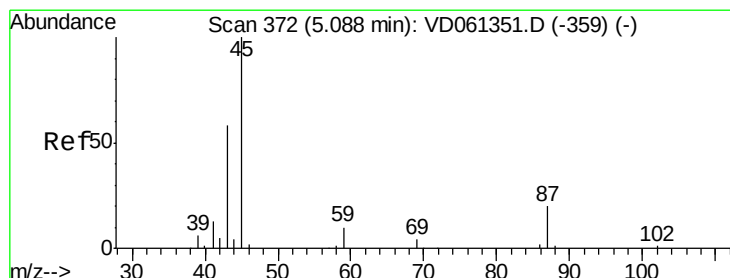
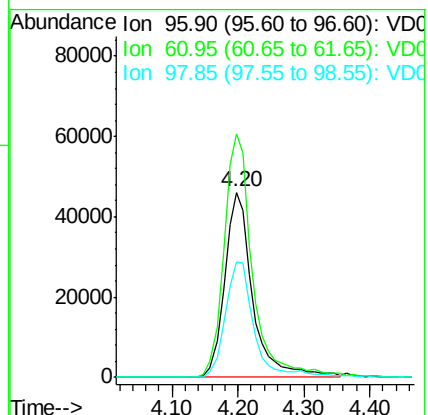
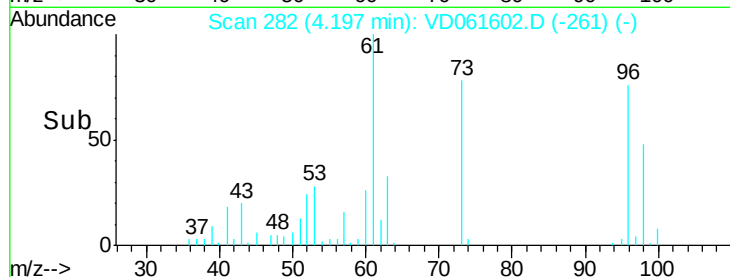
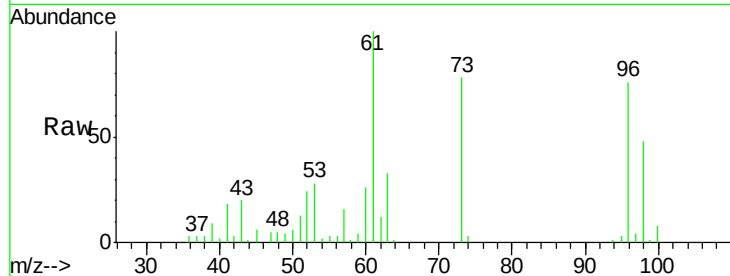
Tot Ion: 96 Resp: 136537

Ion Ratio Lower Upper

96 100

61 131.5 102.7 154.1

98 62.7 52.2 78.4



#22

Diisopropyl ether

Concen: 23.752 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Tgt Ion: 45 Resp: 377409

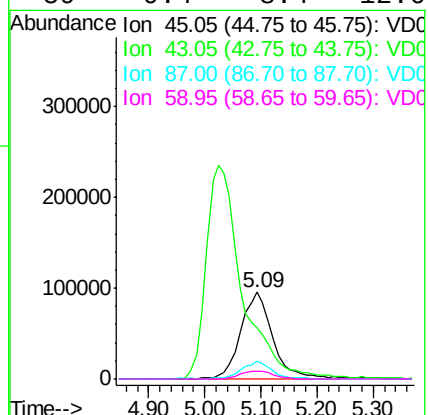
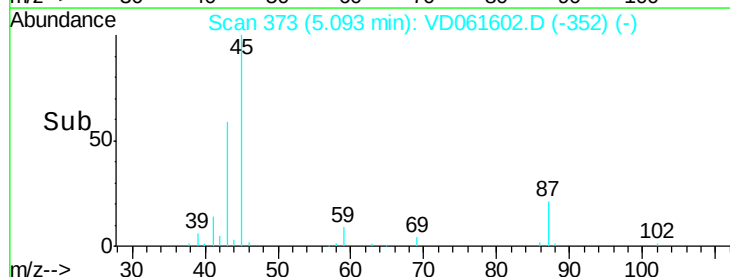
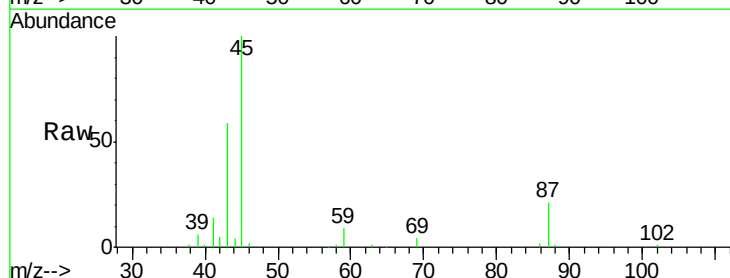
Ion Ratio Lower Upper

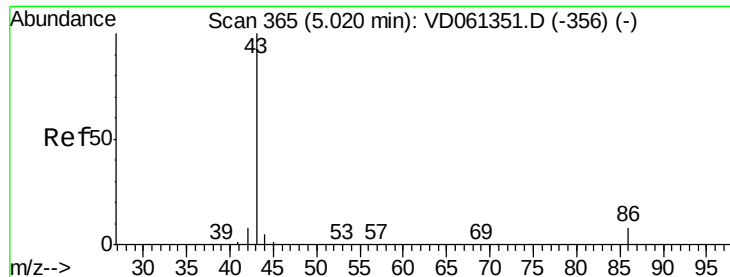
45 100

43 59.3 47.4 71.2

87 21.2 16.3 24.5

59 9.4 8.4 12.6





#23

Vinyl Acetate

Concen: 120.348 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleID :

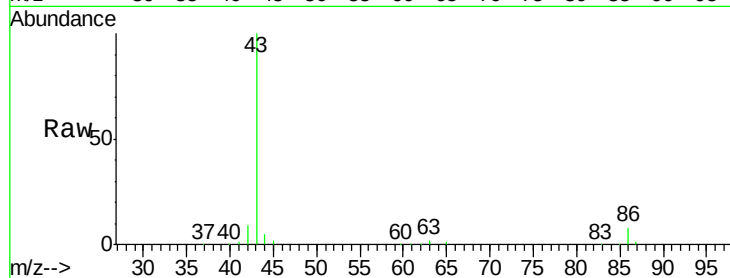
VD0404SBS02

Tot Ion: 43 Resp: 1038724

Ion Ratio Lower Upper

43 100

86 7.5 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

250000

200000

150000

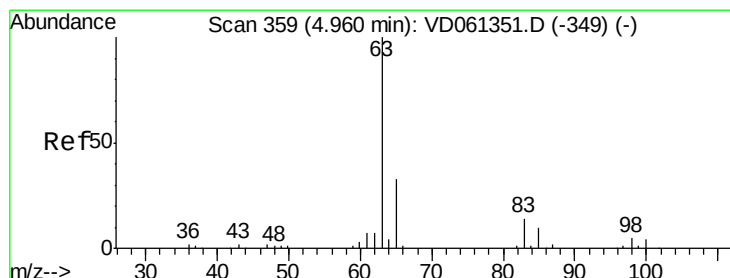
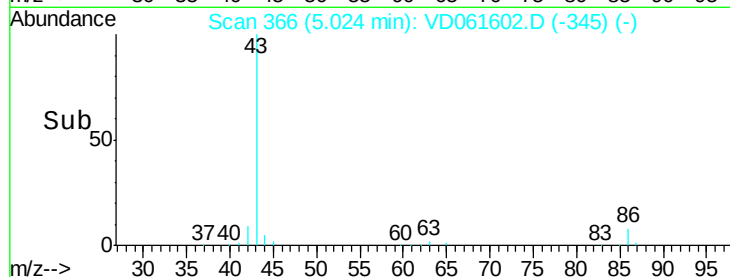
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 23.466 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

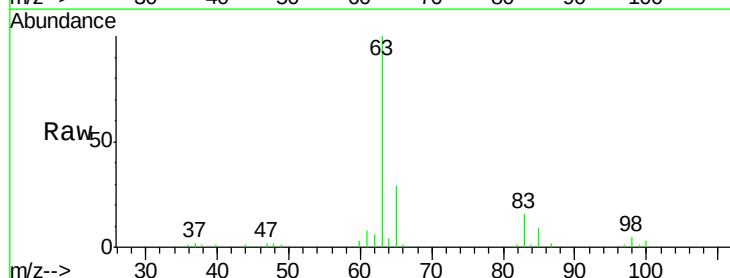
Tgt Ion: 63 Resp: 219124

Ion Ratio Lower Upper

63 100

98 5.0 2.6 8.0

100 3.5 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.96

80000

60000

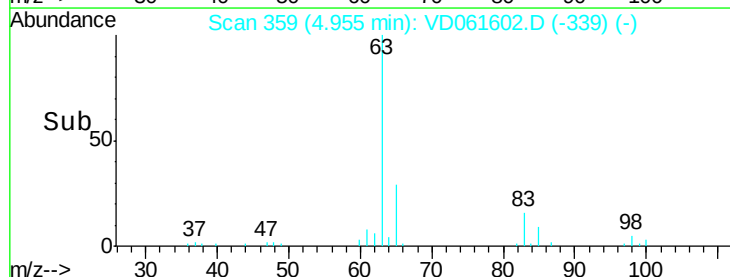
40000

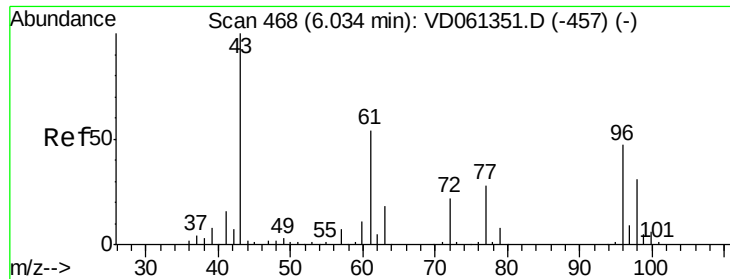
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20

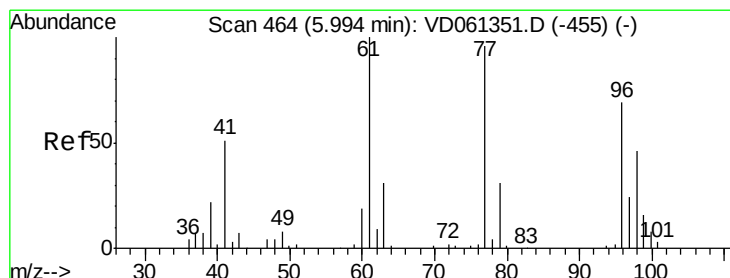
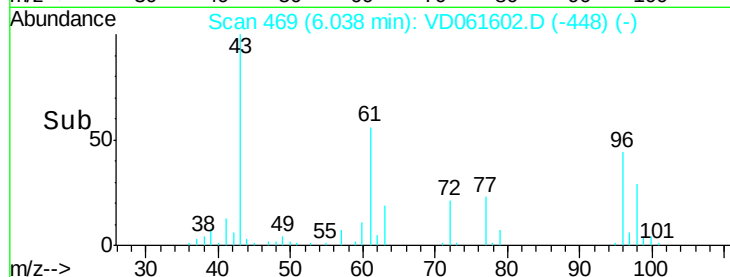
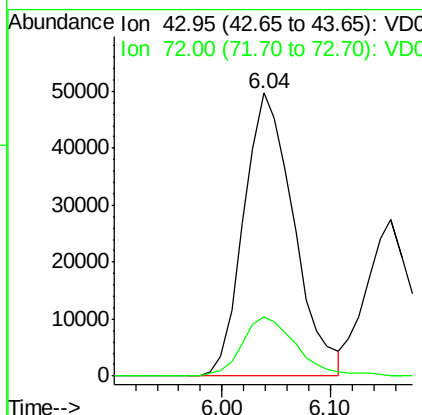
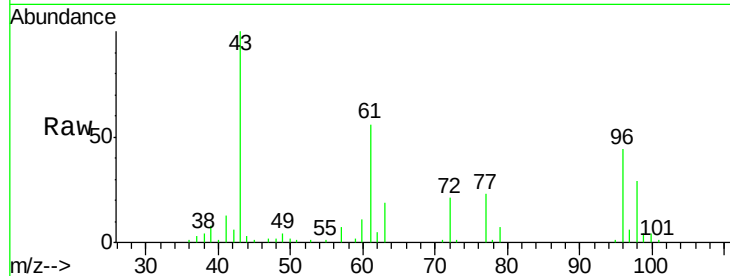




#25
2-Butanone
Concen: 115.442 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

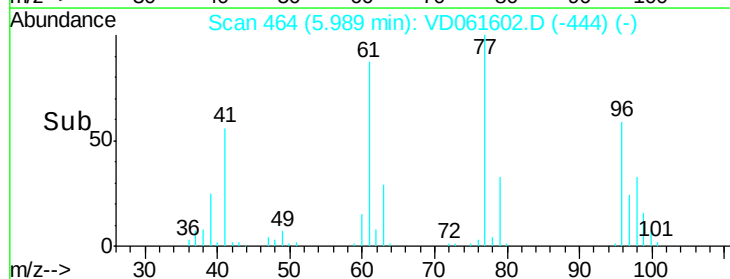
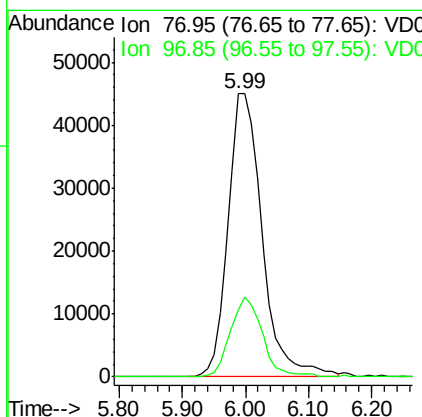
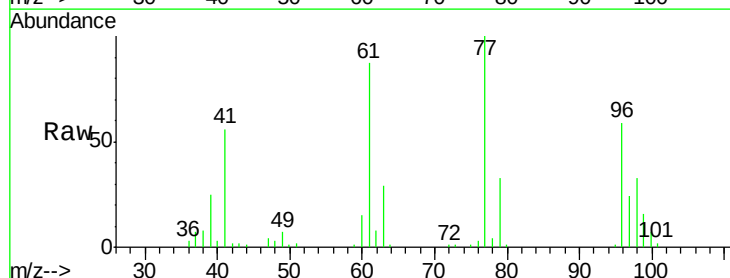
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

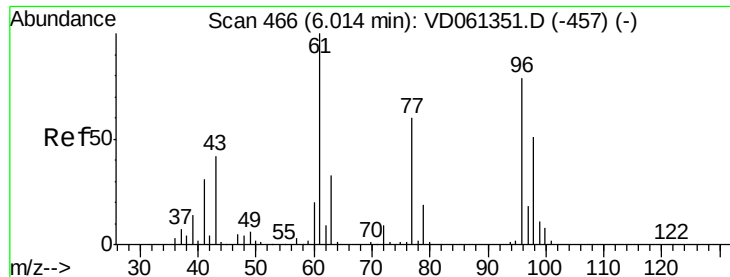
Tot Ion: 43 Resp: 159937
Ion Ratio Lower Upper
43 100
72 20.8 17.2 25.8



#26
2,2-Dichloropropane
Concen: 22.652 ug/l
RT: 5.99 min Scan# 464
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 77 Resp: 168150
Ion Ratio Lower Upper
77 100
97 23.9 12.7 38.0



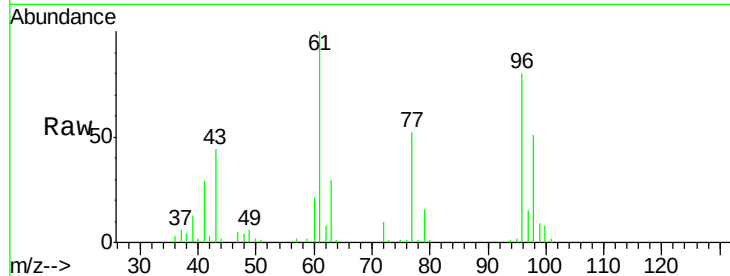


#27

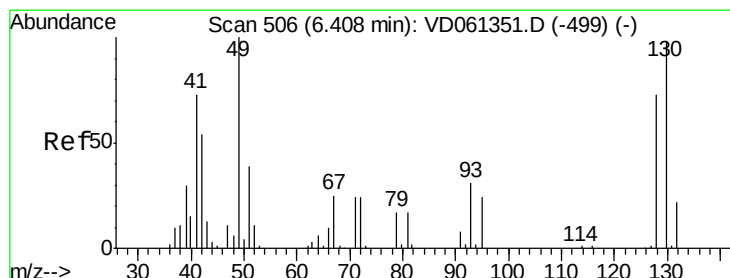
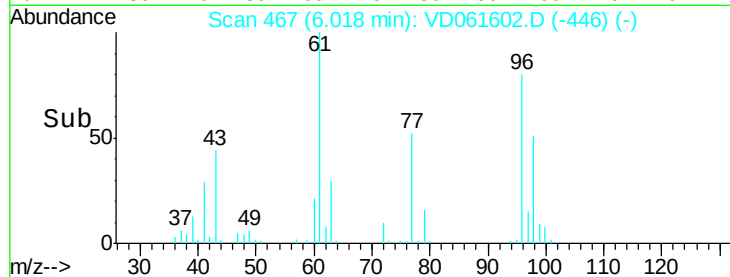
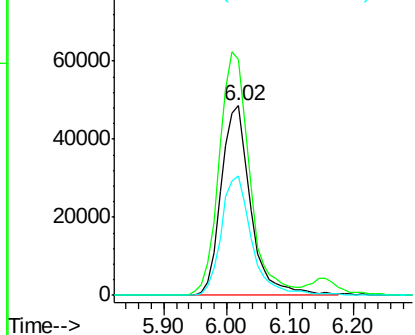
cis-1,2-Dichloroethene
Concen: 24.797 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

Tot Ion	96	Resp	157905
Ion	Ratio	Lower	Upper
96	100		
61	124.8	0.0	251.6
98	63.3	0.0	129.2



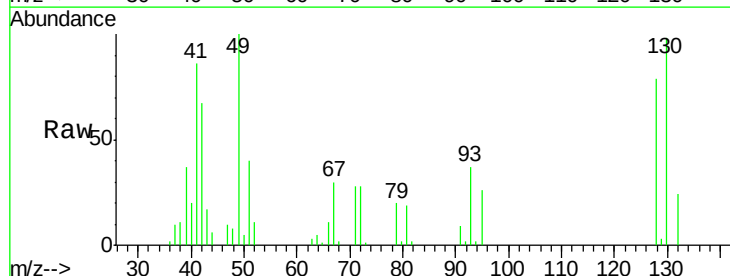
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



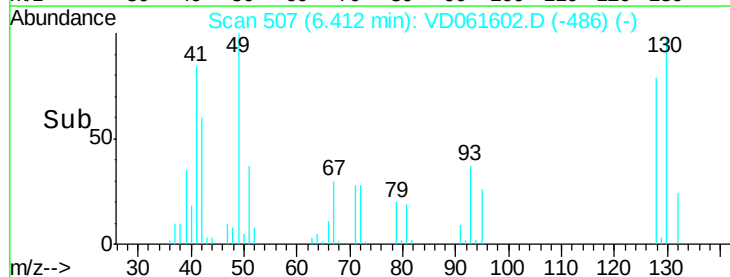
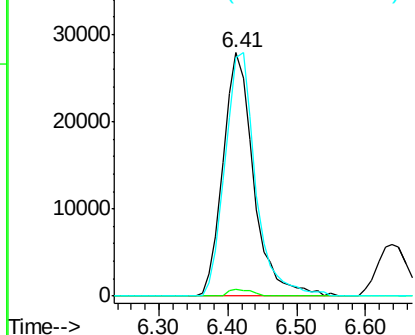
#28

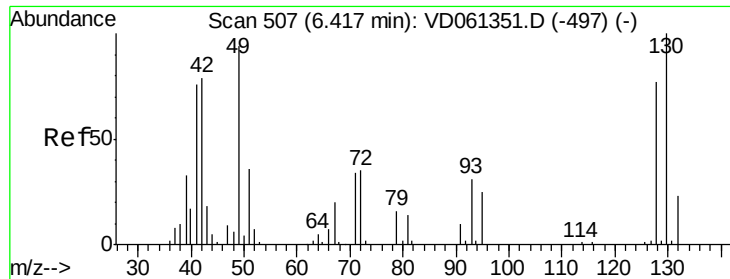
Bromochloromethane
Concen: 22.849 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion	49	Resp	86130
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	0.0#
130	98.2	78.4	117.6



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

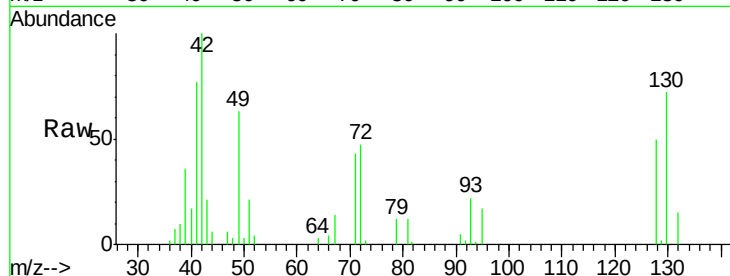




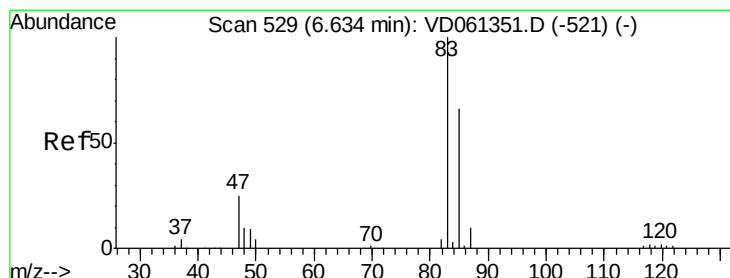
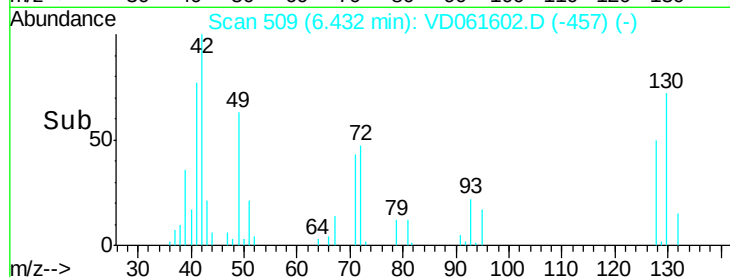
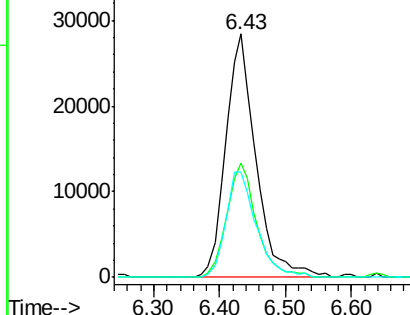
#29
Tetrahydrofuran
Concen: 135.509 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.4	56.0
71	44.1	36.7	55.1

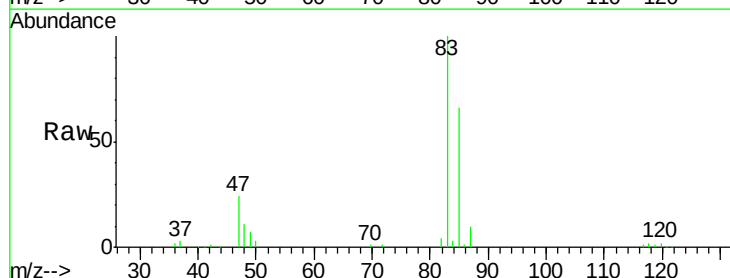


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

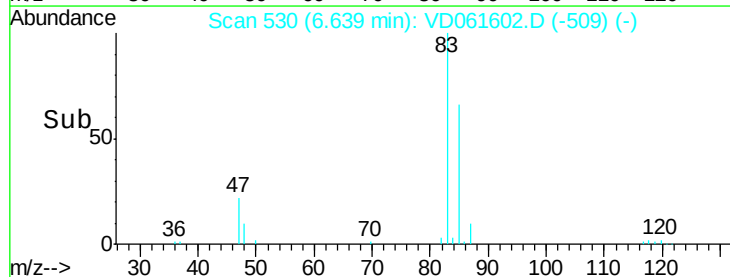
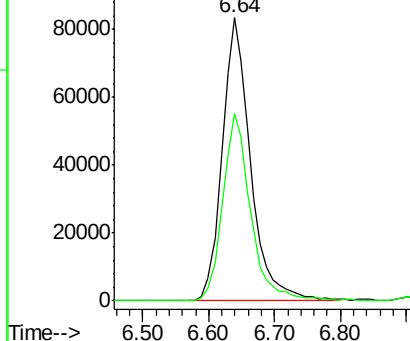


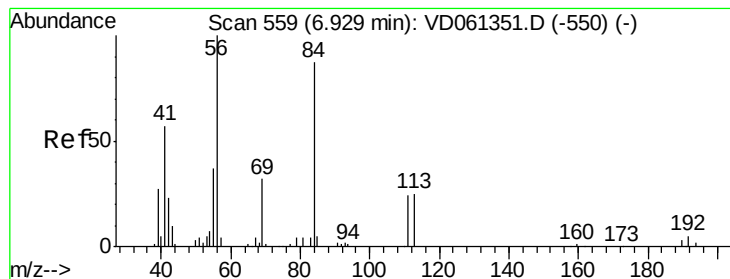
#30
Chloroform
Concen: 25.950 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.0	79.4



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





#31

Cyclohexane

Concen: 21.172 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

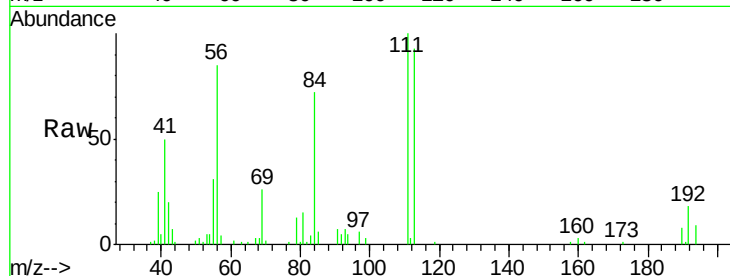
Tot Ion: 56 Resp: 156237

Ion Ratio Lower Upper

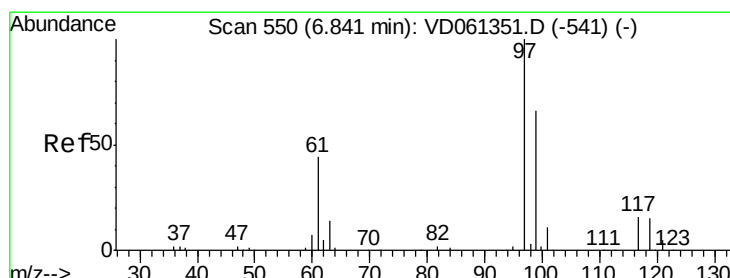
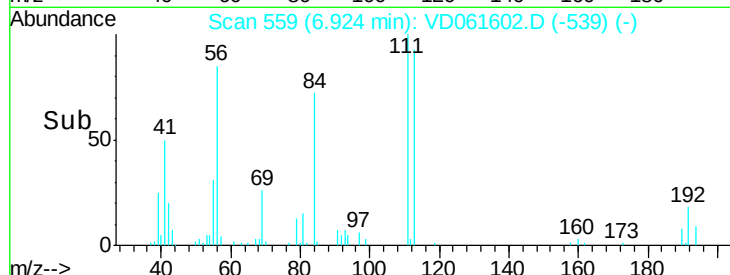
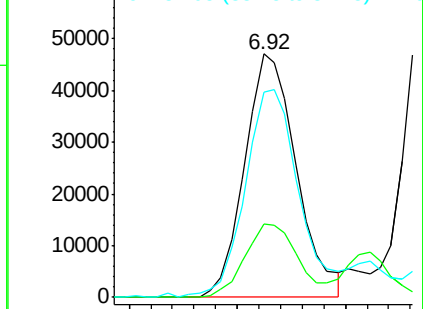
56 100

69 30.2 25.7 38.5

84 84.5 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 24.129 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

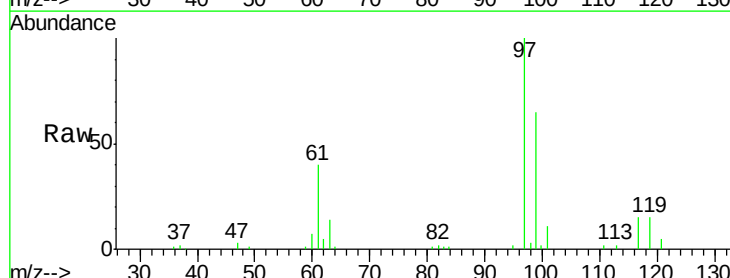
Tgt Ion: 97 Resp: 205390

Ion Ratio Lower Upper

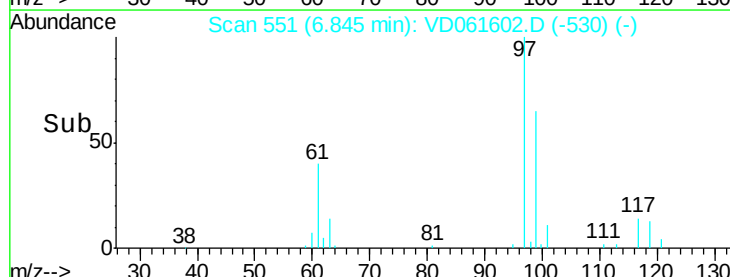
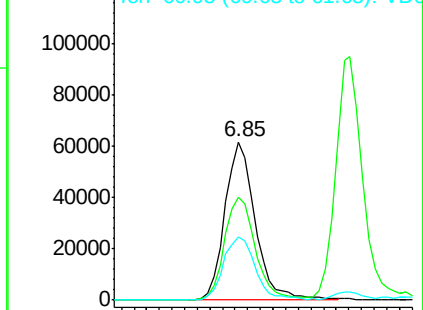
97 100

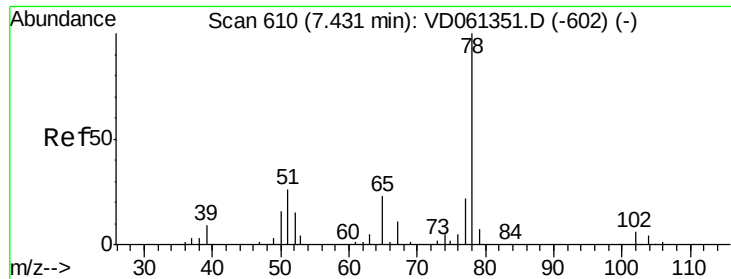
99 65.3 53.1 79.7

61 40.3 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 24.129 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

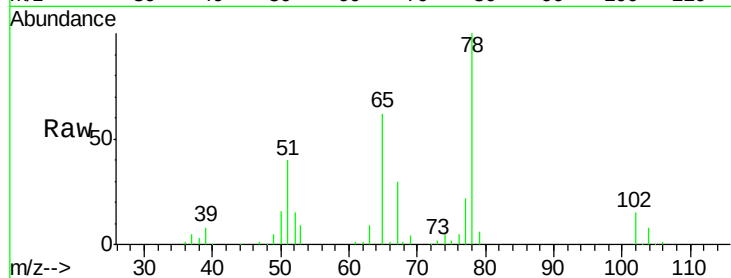
VD0404SBSD02

Tot Ion: 65 Resp: 250992

Ion Ratio Lower Upper

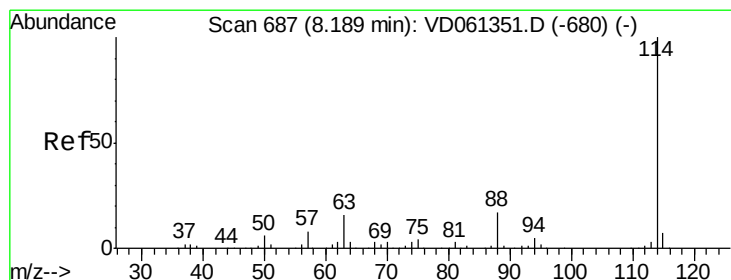
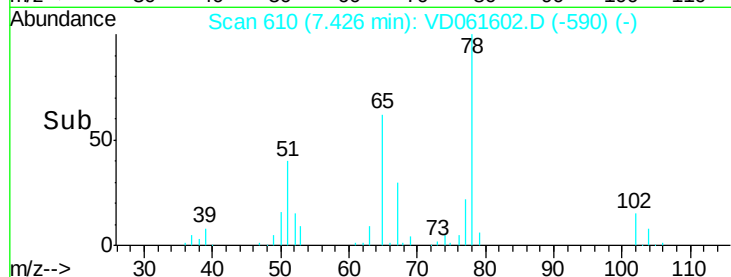
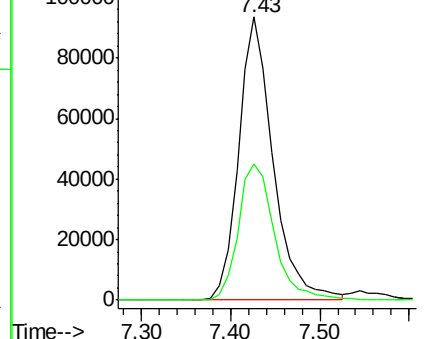
65 100

67 48.3 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

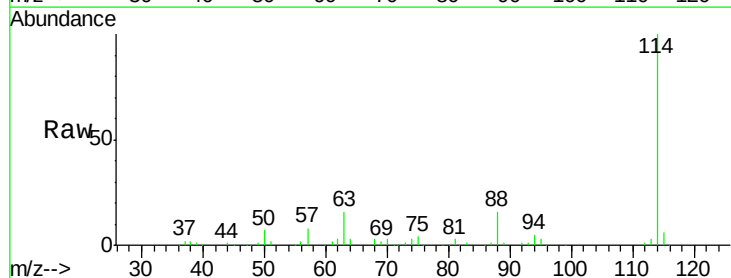
Tgt Ion: 114 Resp: 785449

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.6

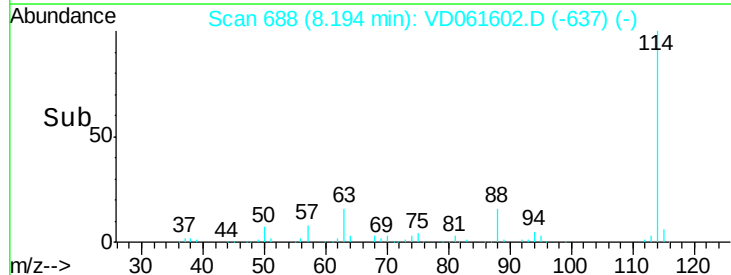
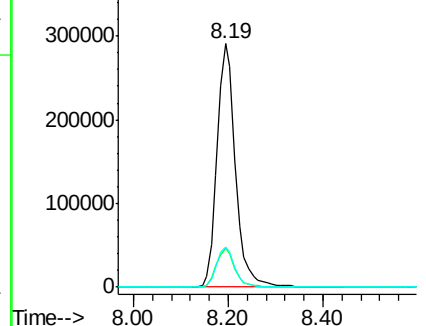
88 16.3 0.0 33.4

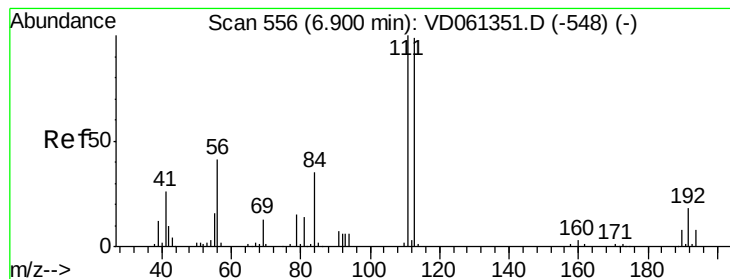


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBSD02

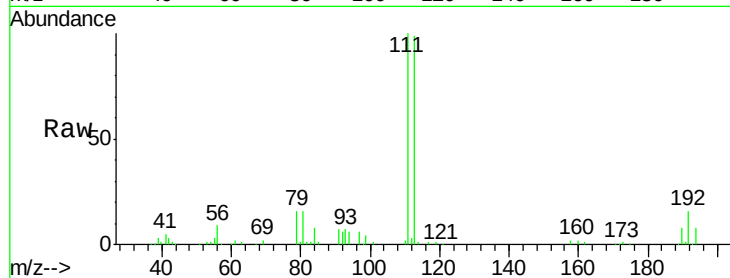
Tot Ion:113 Resp: 375730

Ion Ratio Lower Upper

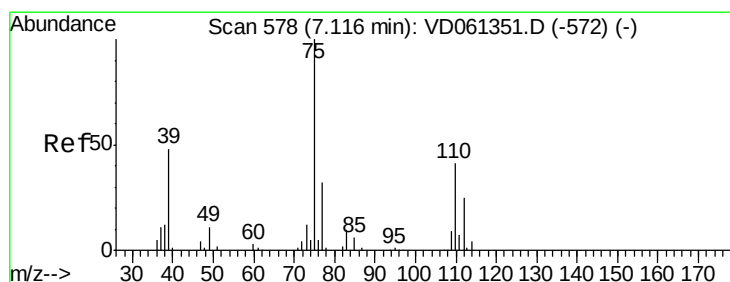
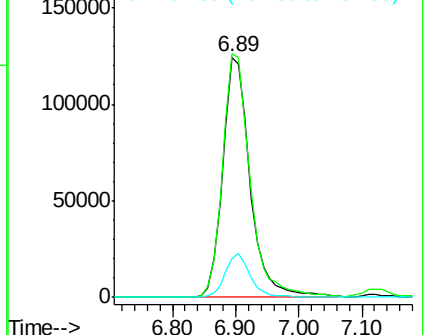
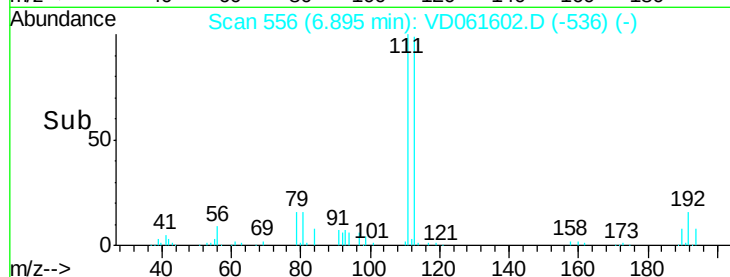
113 100

111 101.4 81.0 121.6

192 16.0 14.4 21.6



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



#36

1,1-Dichloropropene

Concen: 25.369 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

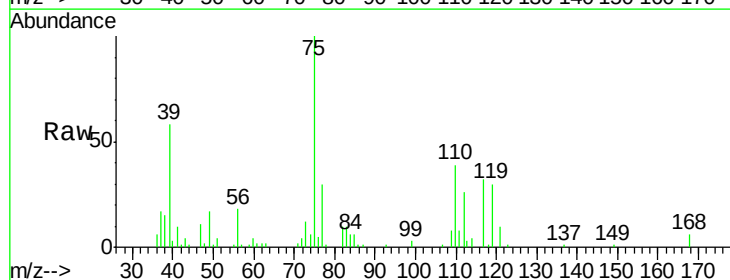
Tgt Ion: 75 Resp: 173910

Ion Ratio Lower Upper

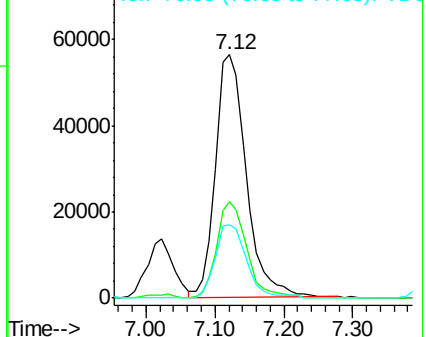
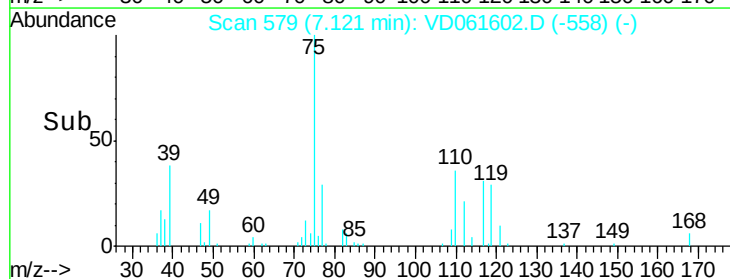
75 100

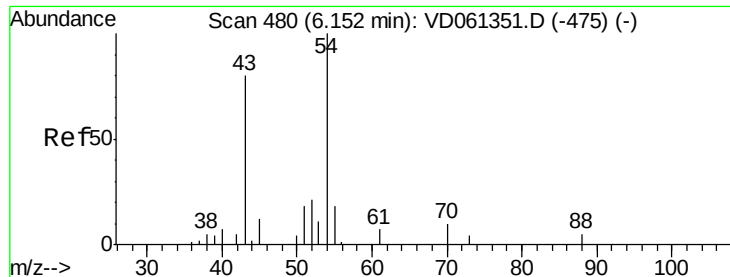
110 39.5 20.4 61.3

77 30.3 24.9 37.3



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

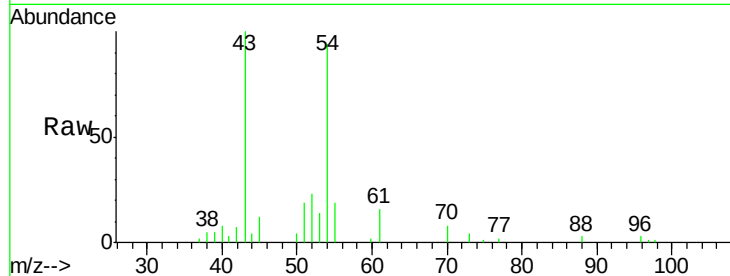




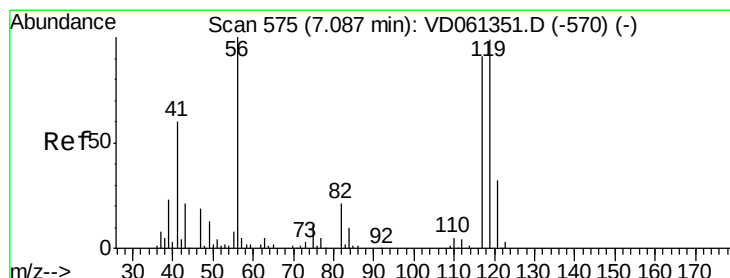
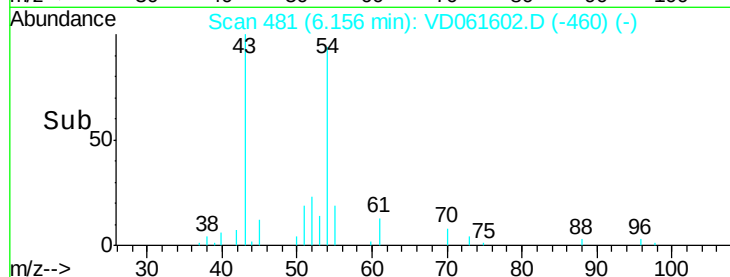
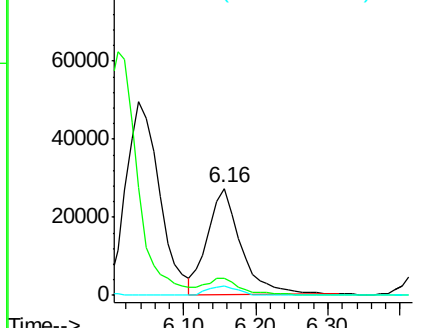
#37
Ethyl Acetate
Concen: 29.505 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

Tot Ion: 43 Resp: 86502
Ion Ratio Lower Upper
43 100
61 16.3 13.8 20.8
70 8.4 7.8 11.8

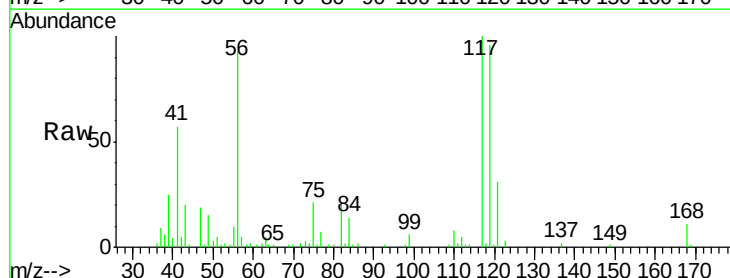


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

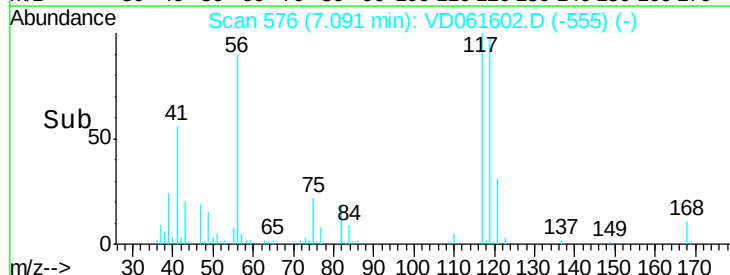
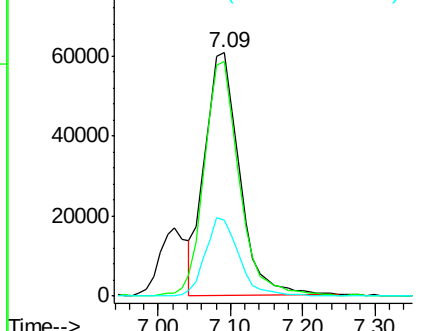


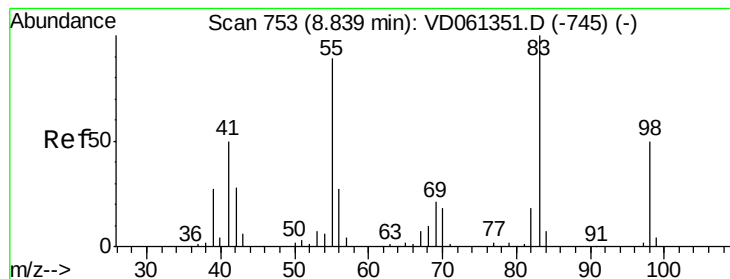
#38
Carbon Tetrachloride
Concen: 25.390 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 117 Resp: 200004
Ion Ratio Lower Upper
117 100
119 96.2 80.1 120.1
121 31.4 25.6 38.4



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





#39

Methylvlcyclohexane

Concen: 22.985 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBSD02

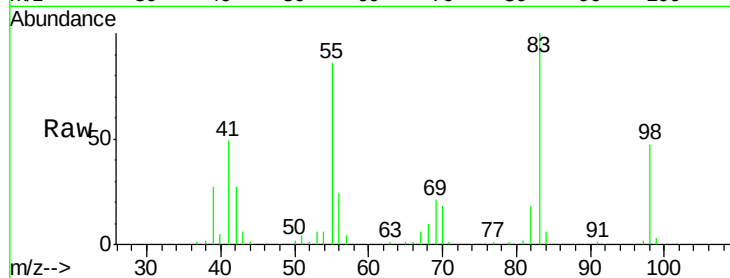
Tot Ion: 83 Resp: 164103

Ion Ratio Lower Upper

83 100

55 85.6 71.5 107.3

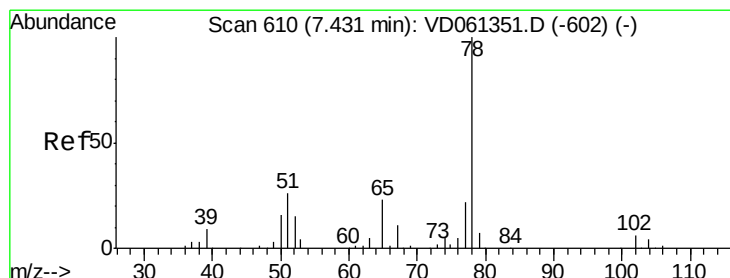
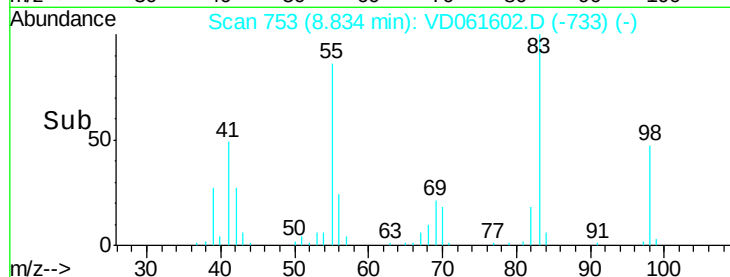
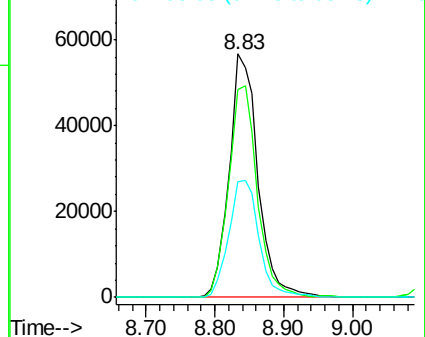
98 47.2 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 24.897 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061602.D

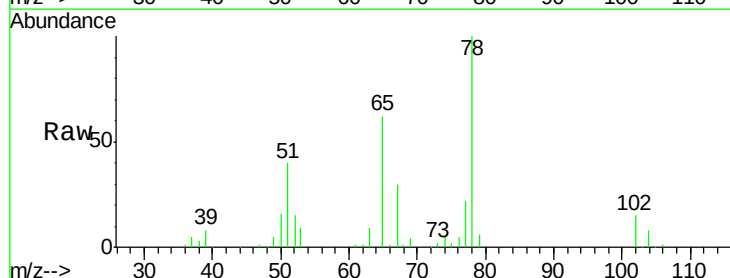
Acq: 5 Apr 2019 4:19

Tgt Ion: 78 Resp: 428336

Ion Ratio Lower Upper

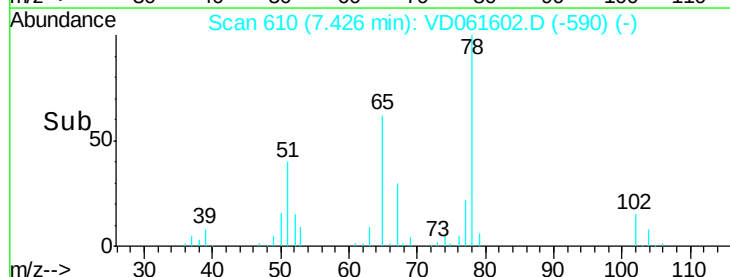
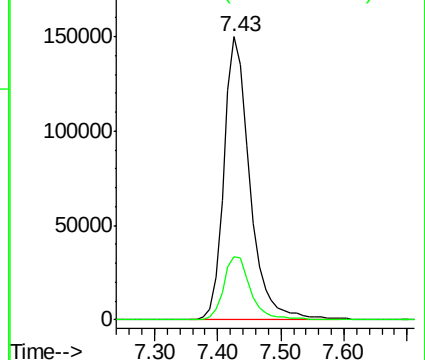
78 100

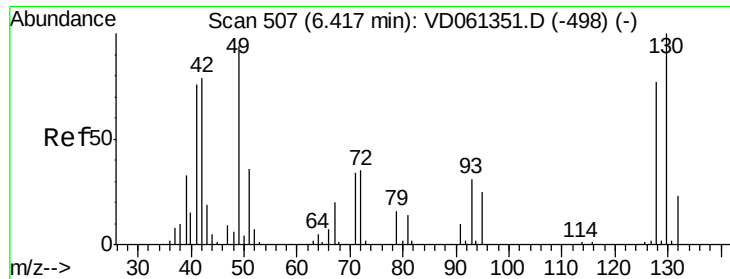
77 22.4 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

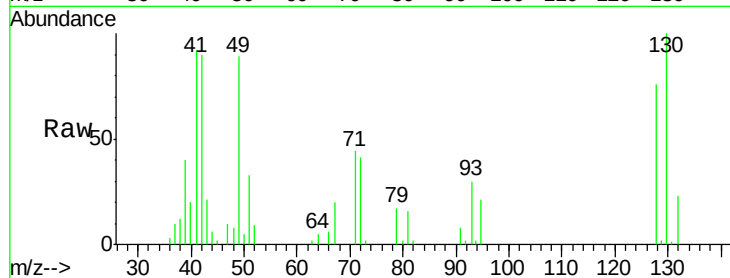




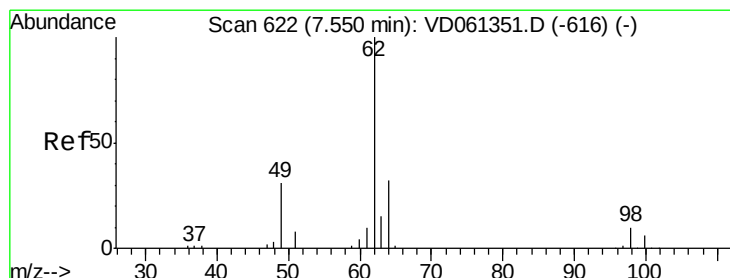
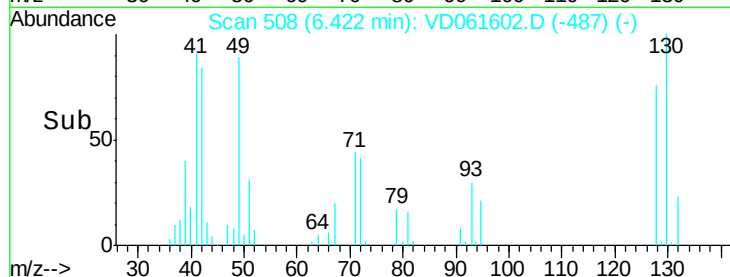
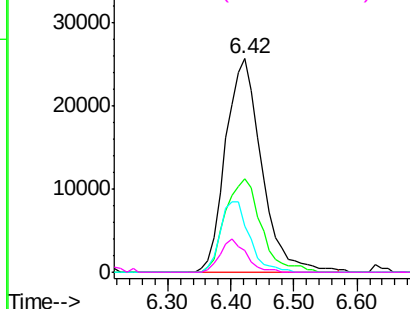
#41
Methacrylonitrile
Concen: 29.692 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

Tot Ion: 41 Resp: 101784
Ion Ratio Lower Upper
41 100
39 43.5 35.0 52.6
67 21.3 21.0 31.6
52 10.0 7.7 11.5

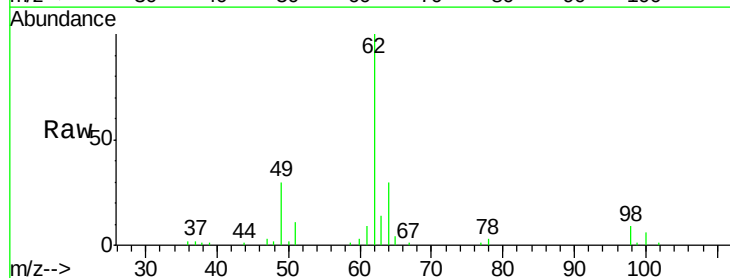


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

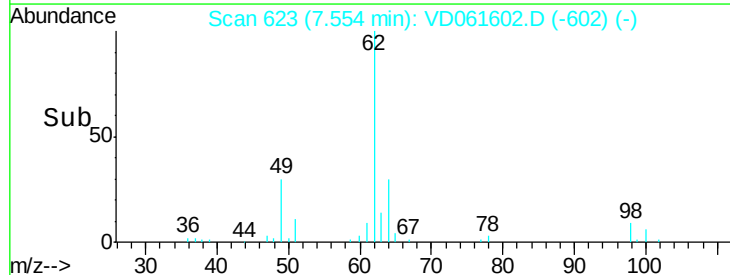
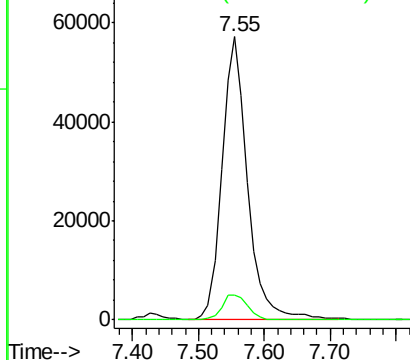


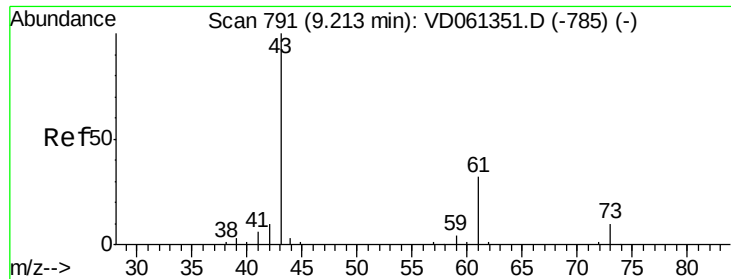
#42
1,2-Dichloroethane
Concen: 30.045 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 62 Resp: 154624
Ion Ratio Lower Upper
62 100
98 8.6 0.0 19.8



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

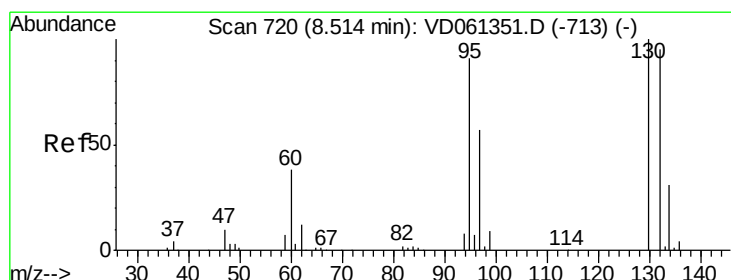
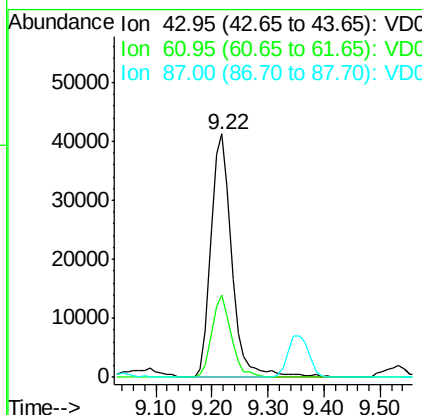
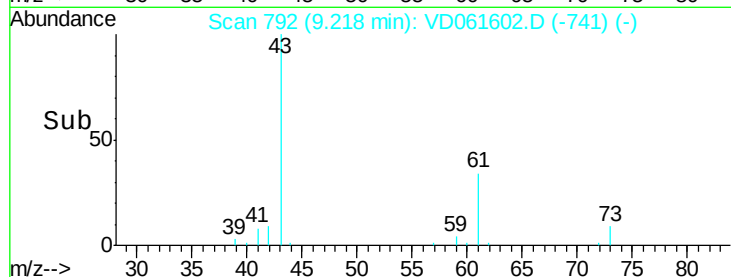
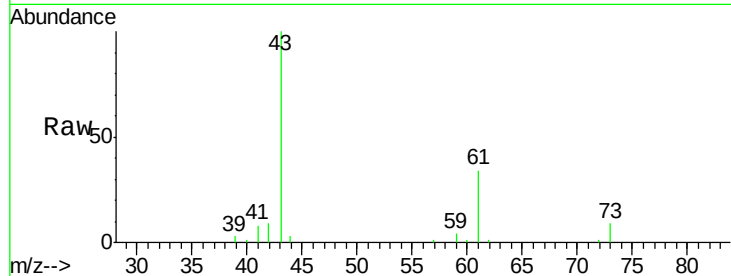




#43
Isopropyl Acetate
Concen: 25.560 ug/l
RT: 9.22 min Scan# 792
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

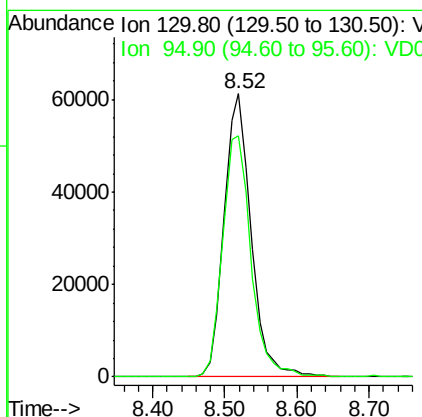
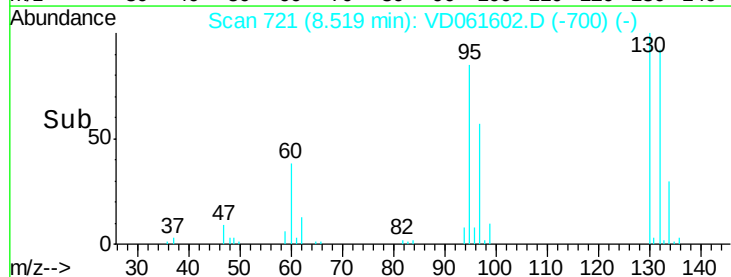
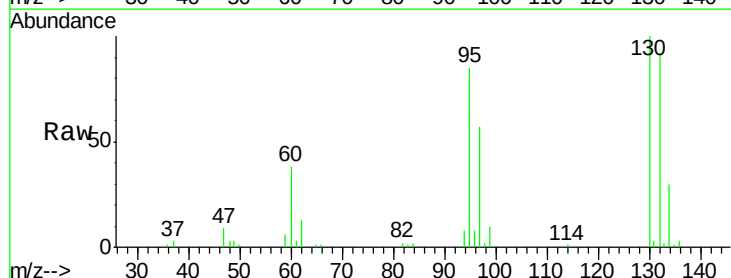
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

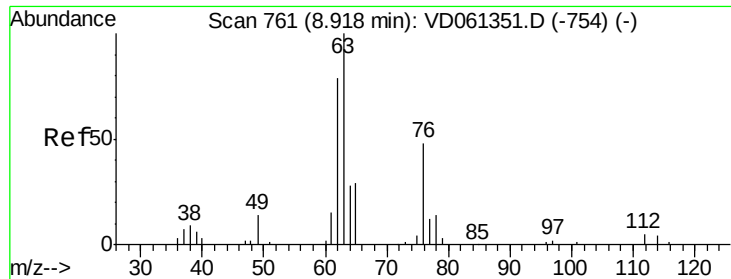
Tot Ion: 43 Resp: 109033
Ion Ratio Lower Upper
43 100
61 33.7 25.8 38.6
87 0.0 0.0 0.0



#44
Trichloroethene
Concen: 24.902 ug/l
RT: 8.52 min Scan# 721
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion:130 Resp: 159439
Ion Ratio Lower Upper
130 100
95 85.4 0.0 181.4





#45

1,2-Dichloropropane

Concen: 24.567 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

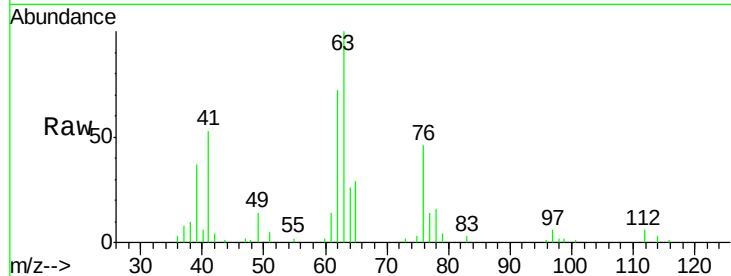
VD0404SBSD02

Tot Ion: 63 Resp: 107177

Ion Ratio Lower Upper

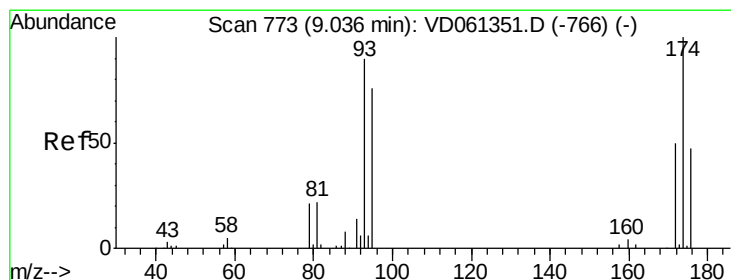
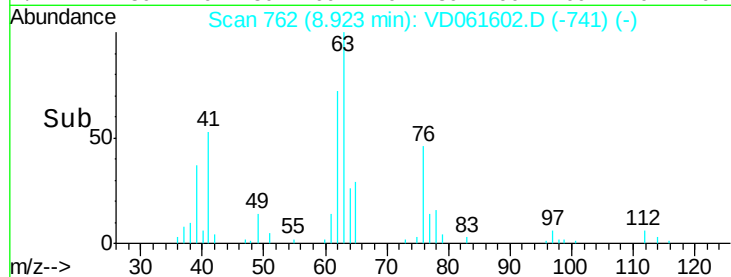
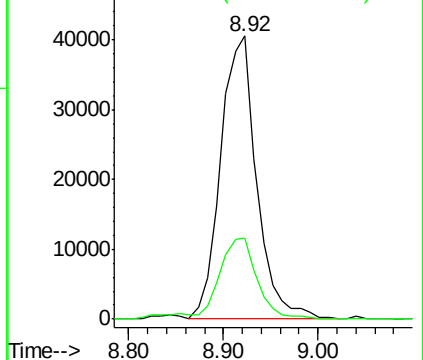
63 100

65 28.6 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 27.854 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

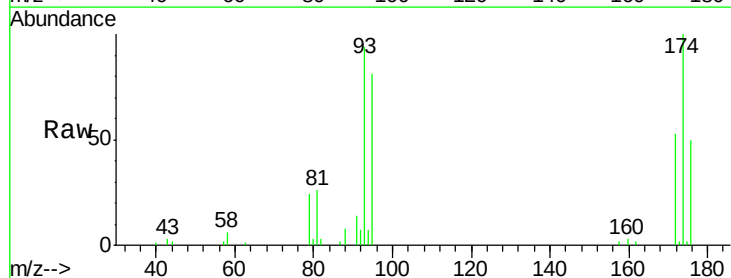
Tgt Ion: 93 Resp: 81788

Ion Ratio Lower Upper

93 100

95 86.7 67.4 101.0

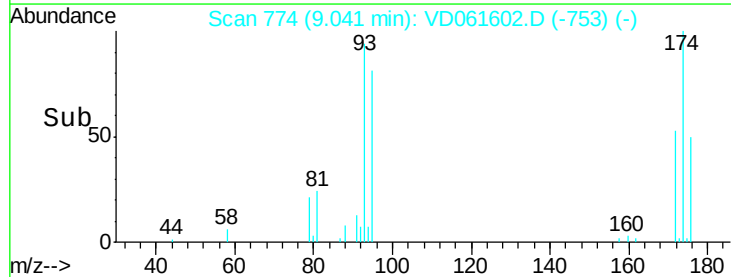
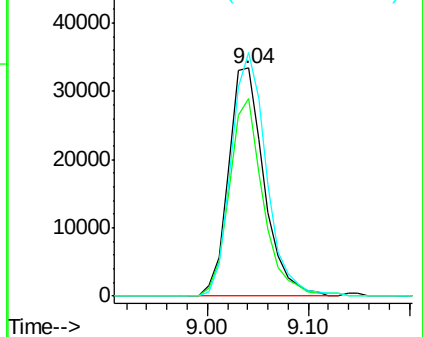
174 106.9 88.9 133.3

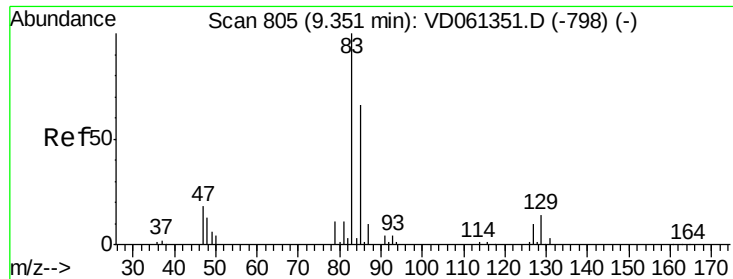


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 27.366 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBSD02

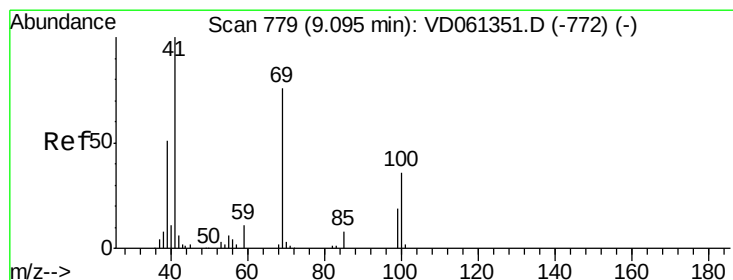
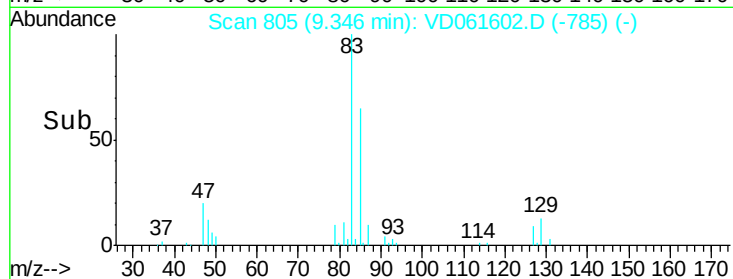
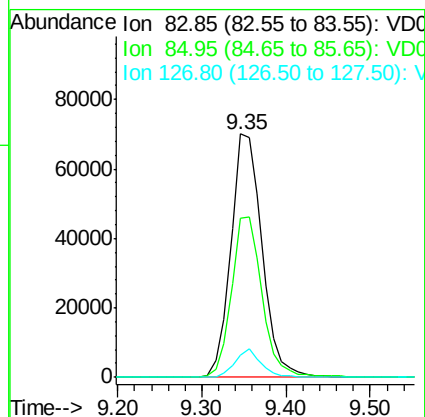
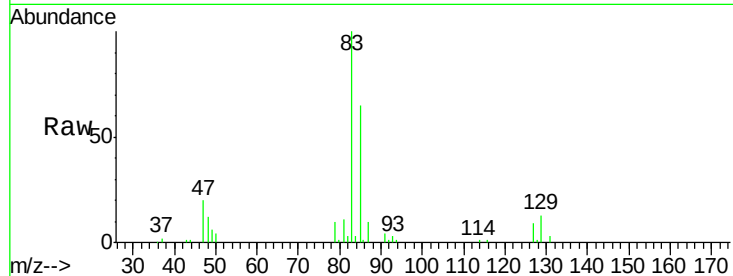
Tot Ion: 83 Resp: 180358

Ion Ratio Lower Upper

83 100

85 65.2 53.0 79.4

127 9.1 8.4 12.6



#48

Methyl methacrylate

Concen: 26.271 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

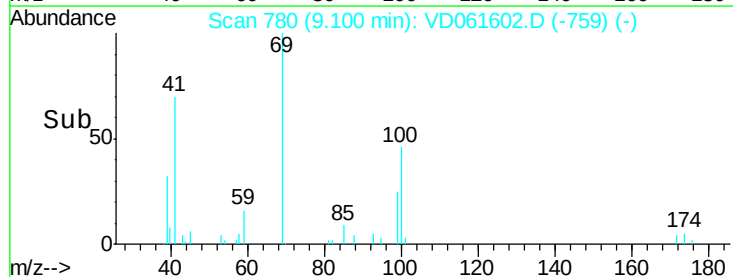
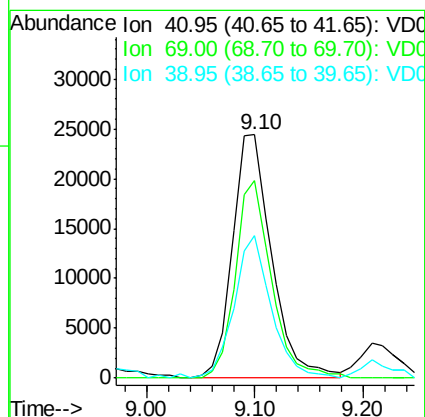
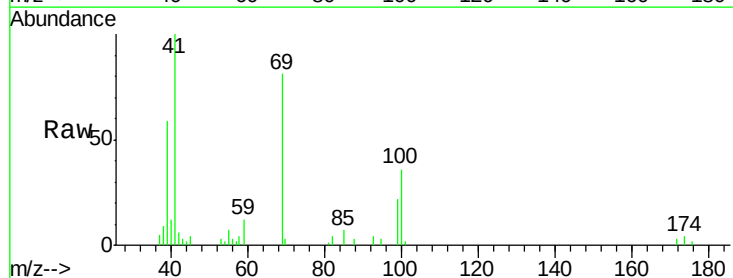
Tgt Ion: 41 Resp: 61847

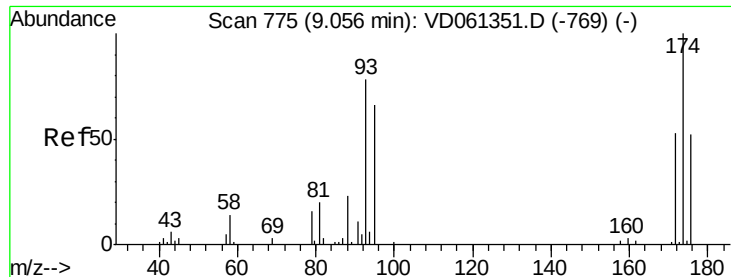
Ion Ratio Lower Upper

41 100

69 81.0 60.2 90.4

39 58.6 41.4 62.2

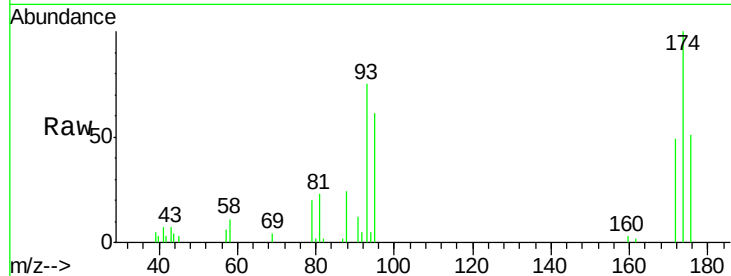




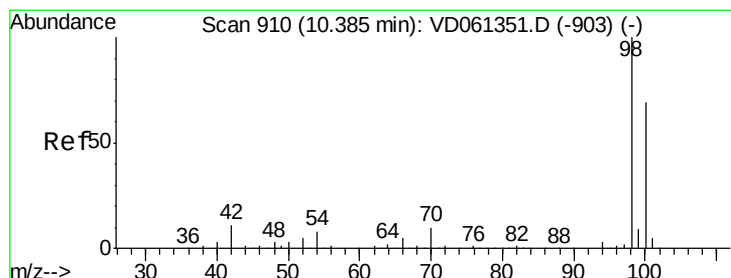
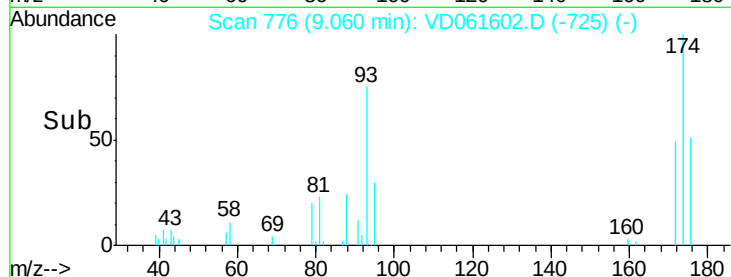
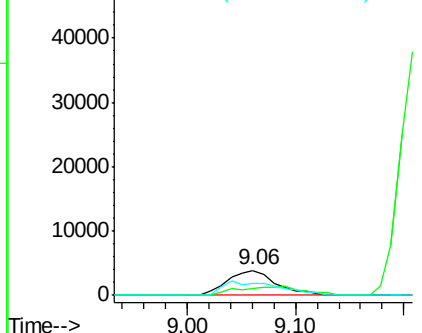
#49
1,4-Dioxane
Concen: 469.795 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

Tot Ion: 88 Resp: 12199
Ion Ratio Lower Upper
88 100
43 29.5 23.3 34.9
58 45.1 50.8 76.2#

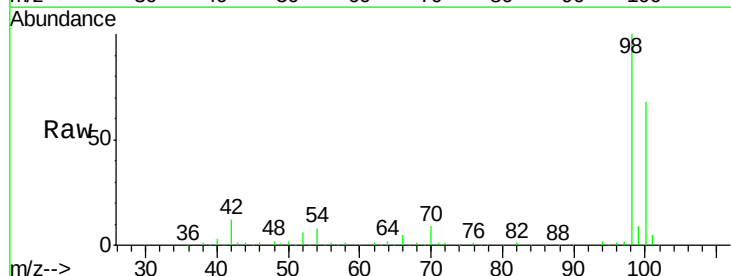


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

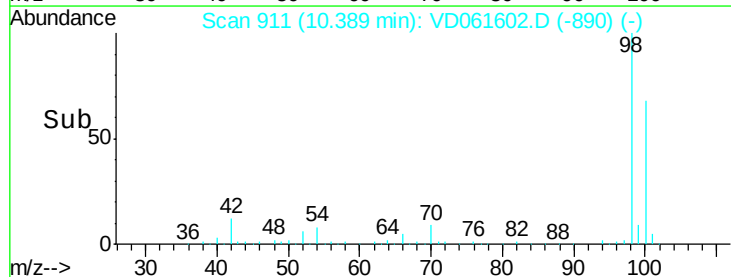
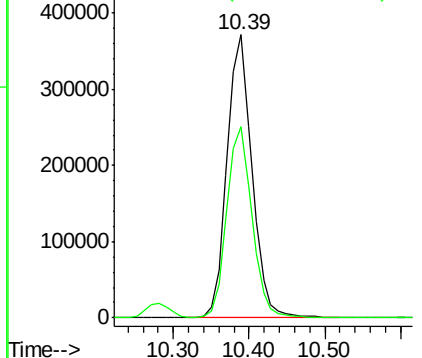


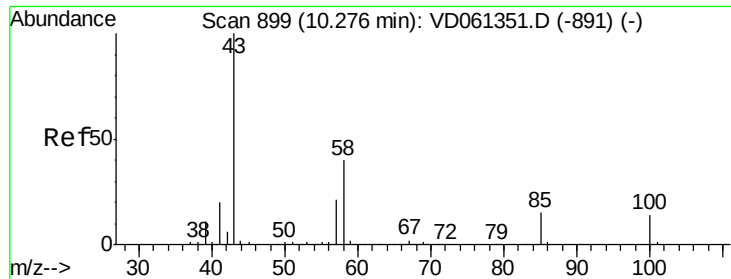
#50
Toluene-d8
Concen: 469.795 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 98 Resp: 845105
Ion Ratio Lower Upper
98 100
100 67.6 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 139.468 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

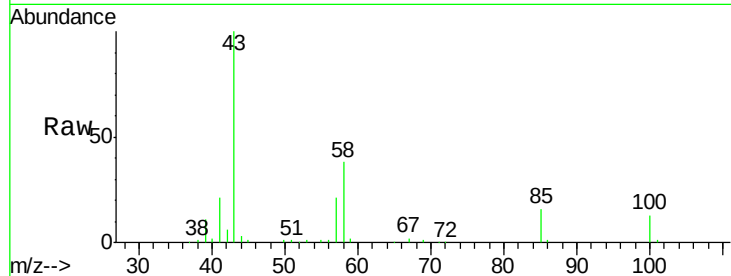
VD0404SBS02

Tot Ion: 43 Resp: 361952

Ion Ratio Lower Upper

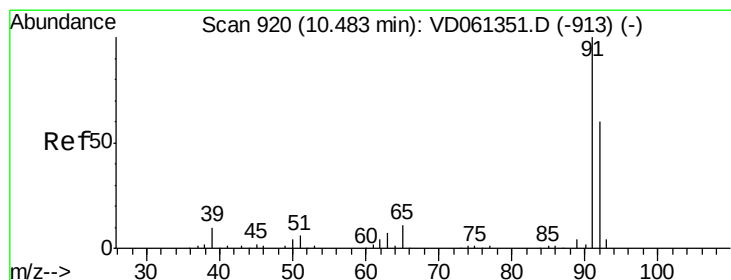
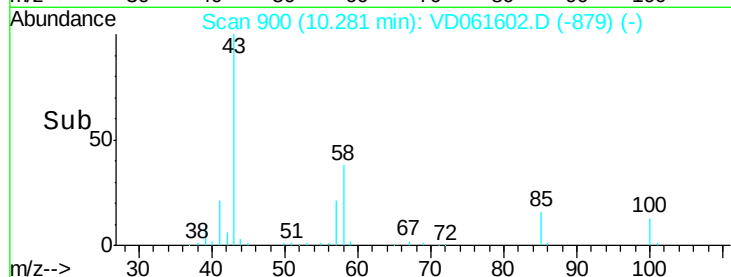
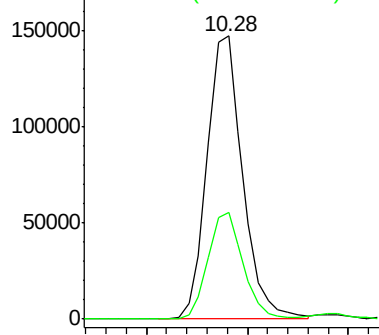
43 100

58 37.6 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 25.922 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061602.D

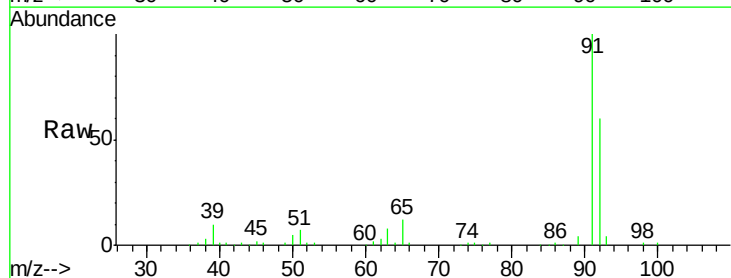
Acq: 5 Apr 2019 4:19

Tgt Ion: 92 Resp: 272077

Ion Ratio Lower Upper

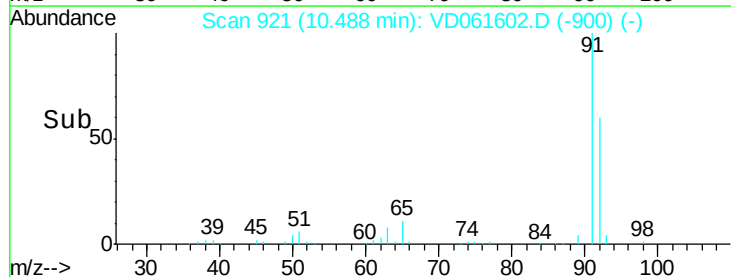
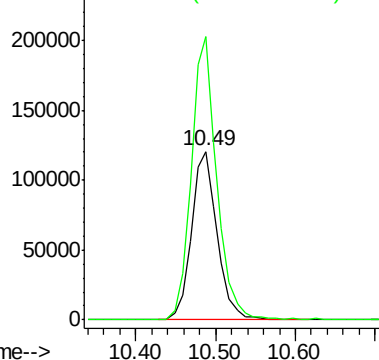
92 100

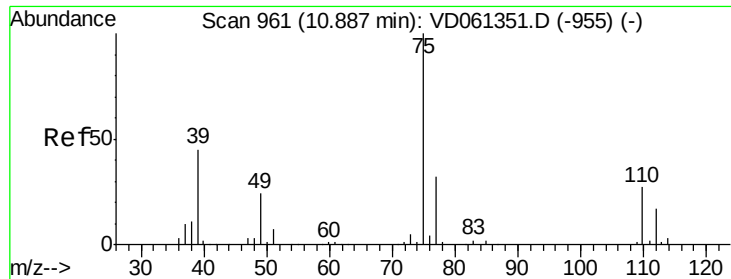
91 167.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

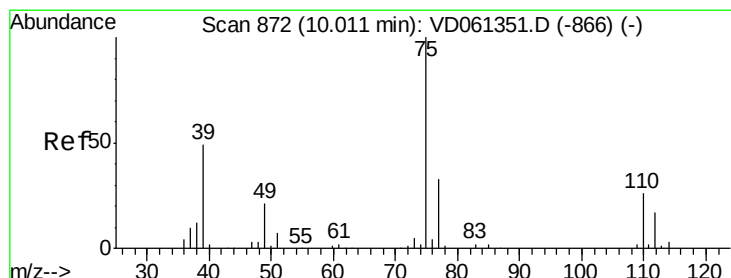
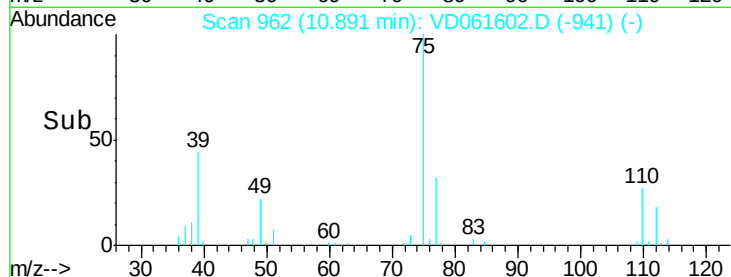
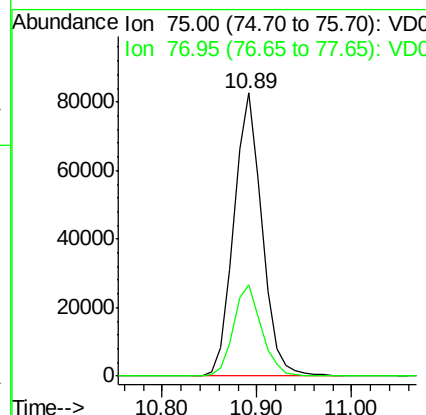
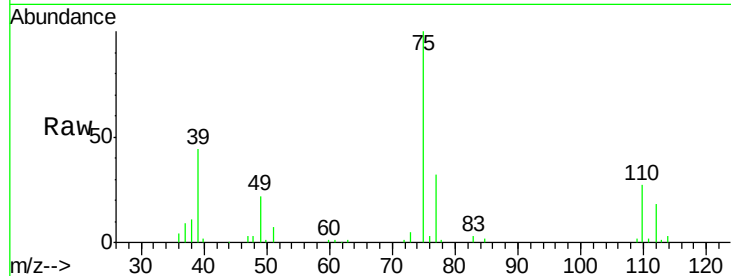




#53
t-1,3-Dichloropropene
Concen: 28.328 ug/l
RT: 10.89 min Scan# 962
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

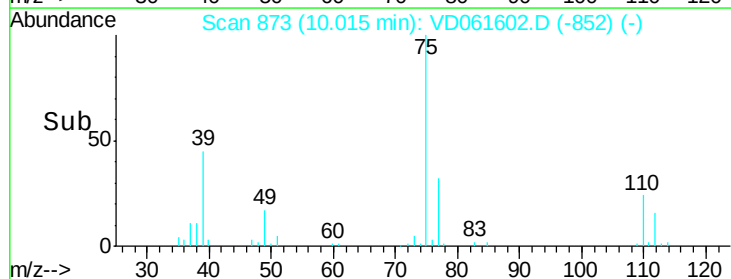
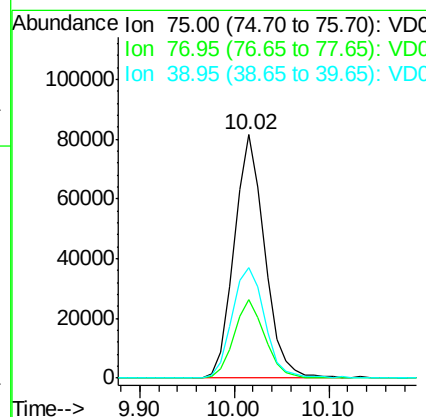
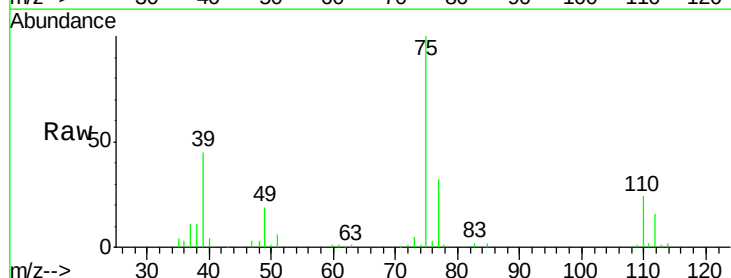
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

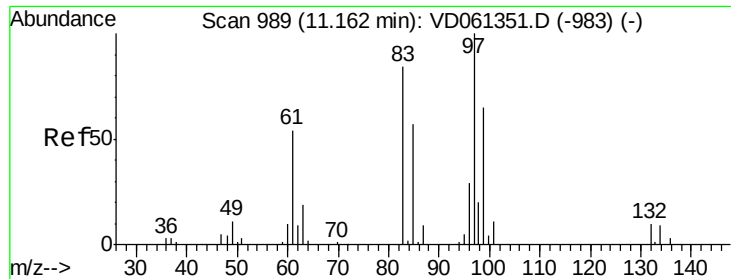
Tot Ion: 75 Resp: 169626
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 24.927 ug/l
RT: 10.02 min Scan# 873
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 75 Resp: 181749
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4
39 45.4 39.4 59.0

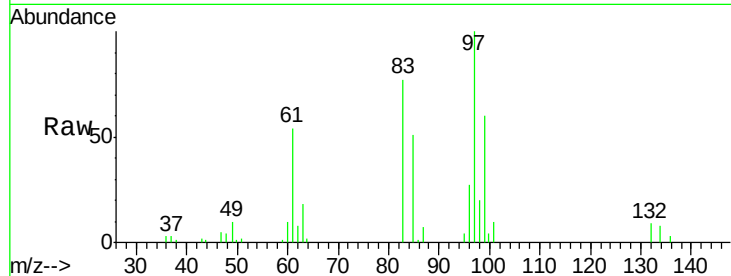




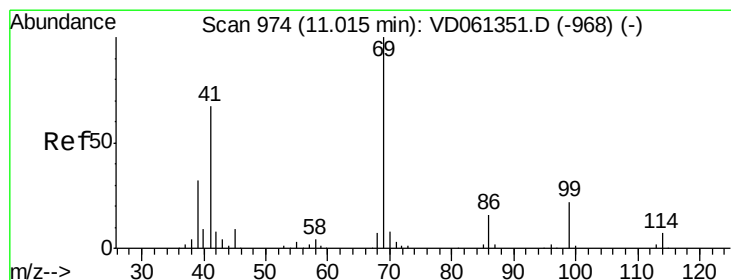
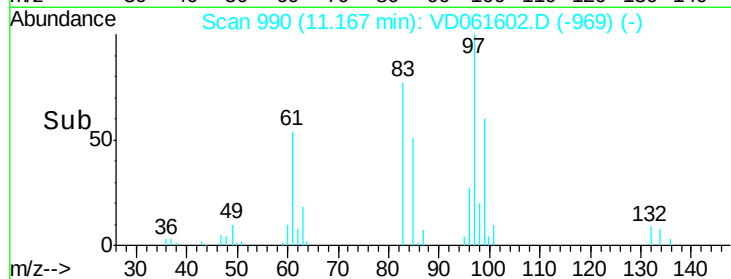
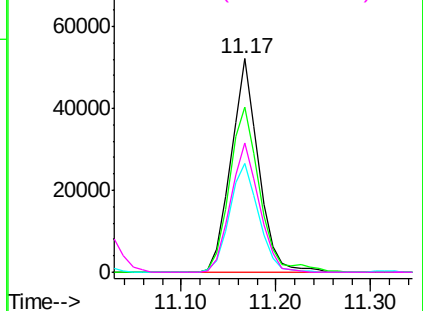
#55
 1,1,2-Trichloroethane
 Concen: 28.646 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBSD02

Tot Ion:	97	Resp:	105151
Ion	Ratio	Lower	Upper
97	100		
83	77.4	67.0	100.6
85	51.1	45.4	68.2
99	60.4	51.9	77.9

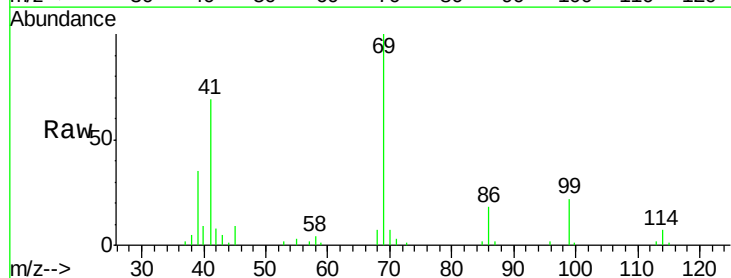


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

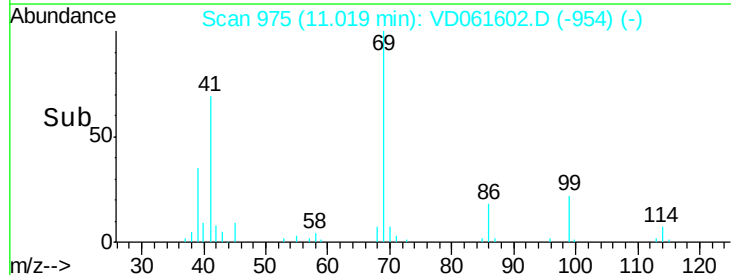
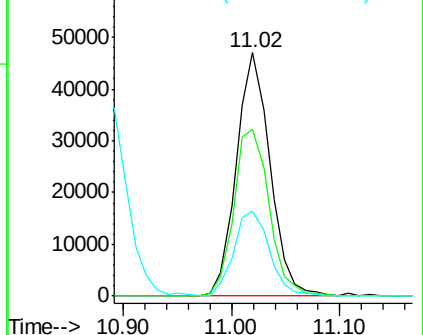


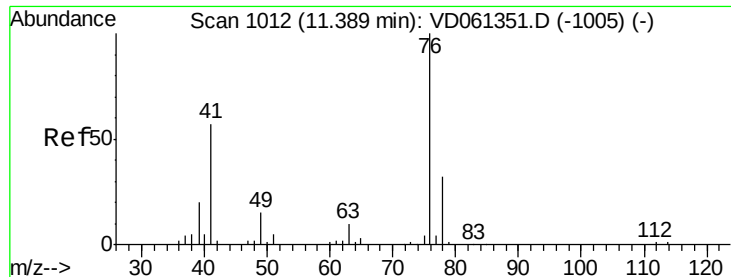
#56
 Ethyl methacrylate
 Concen: 25.892 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Tgt Ion:	69	Resp:	102103
Ion	Ratio	Lower	Upper
69	100		
41	68.7	53.8	80.6
39	34.6	26.4	39.6



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

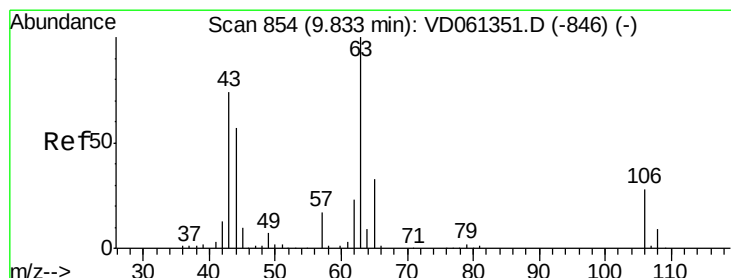
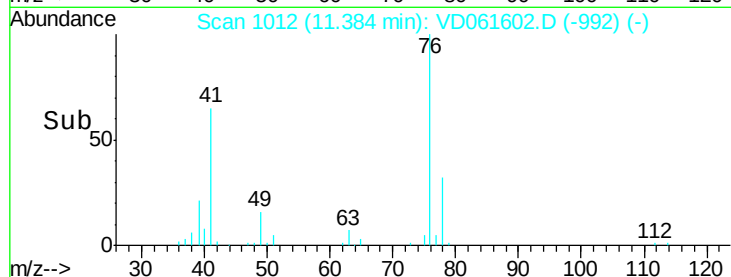
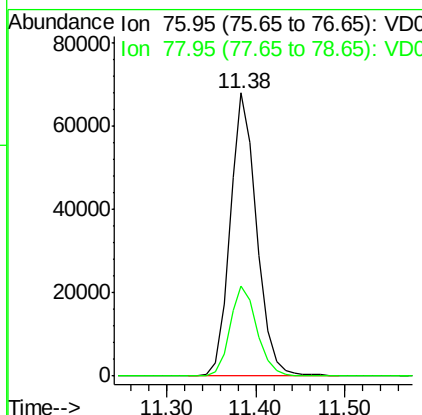
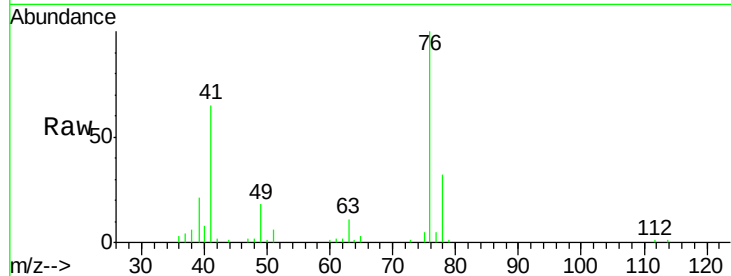




#57
 1,3-Dichloropropane
 Concen: 26.259 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

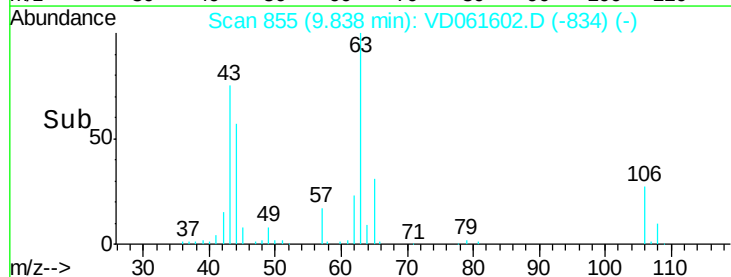
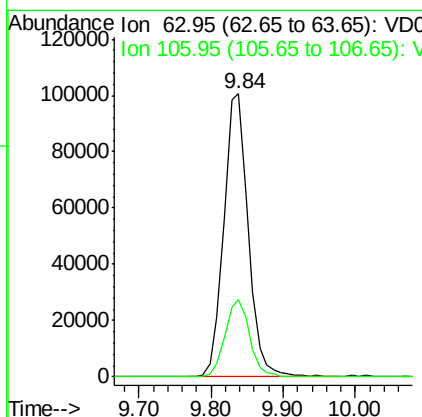
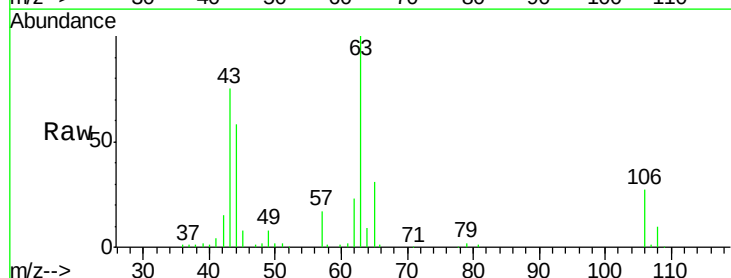
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBSD02

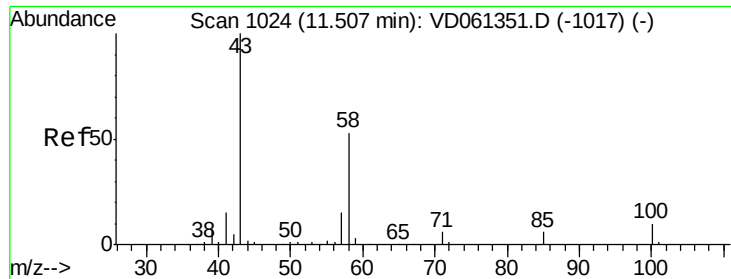
Tot Ion: 76 Resp: 141673
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 122.564 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Tgt Ion: 63 Resp: 235371
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.4 33.6

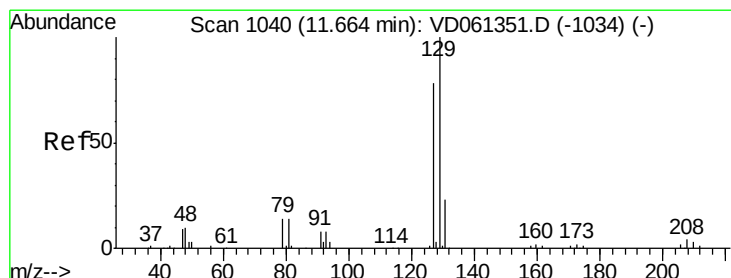
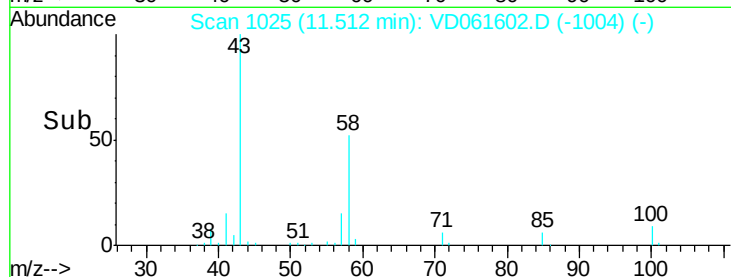
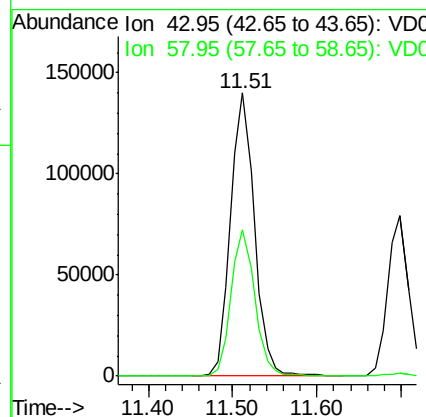
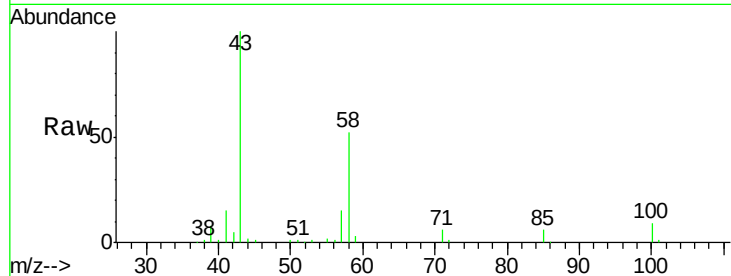




#59
2-Hexanone
Concen: 147.478 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

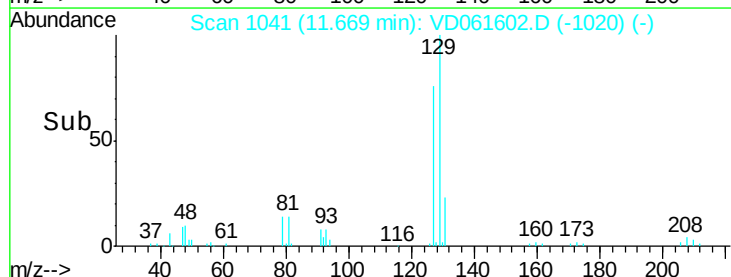
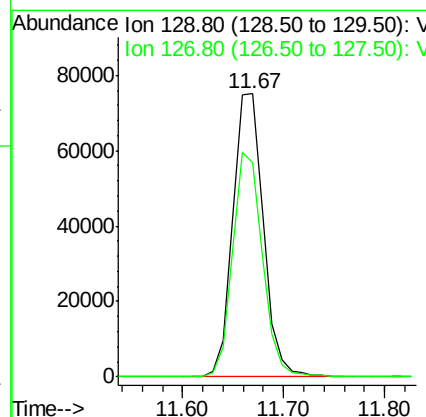
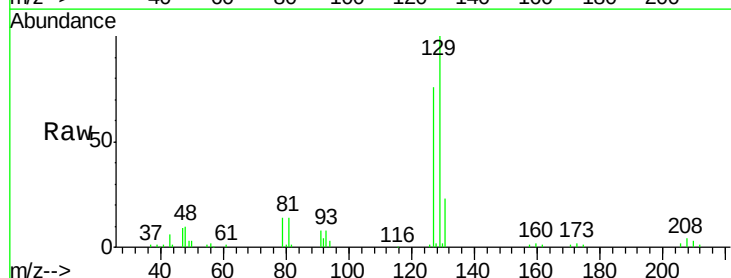
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

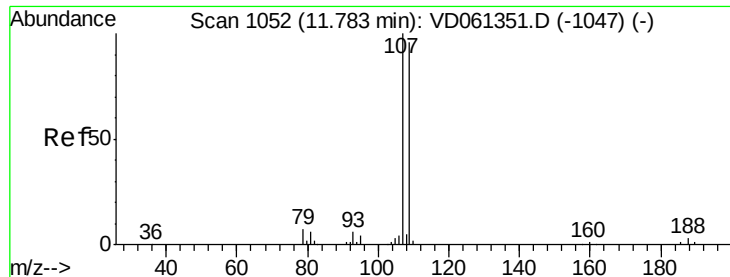
Tot Ion: 43 Resp: 277306
Ion Ratio Lower Upper
43 100
58 51.9 26.3 78.9



#60
Dibromochloromethane
Concen: 27.868 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 129 Resp: 157702
Ion Ratio Lower Upper
129 100
127 75.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 28.131 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

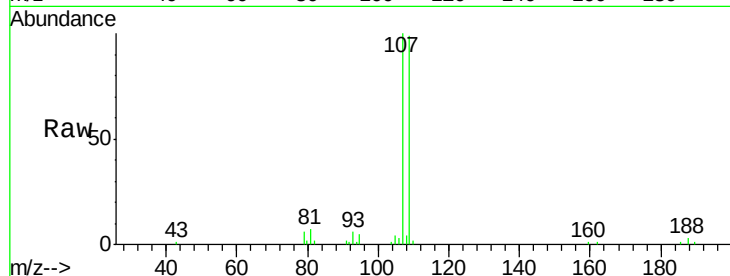
VD0404SBSD02

Tot Ion: 107 Resp: 119573

Ion Ratio Lower Upper

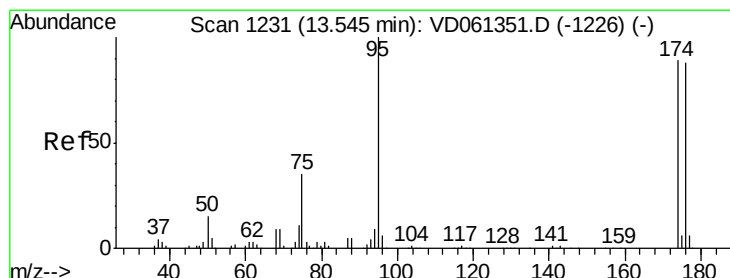
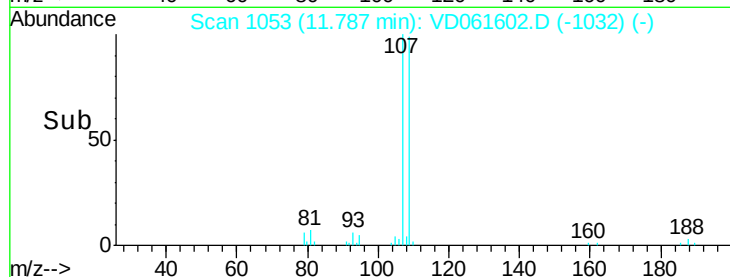
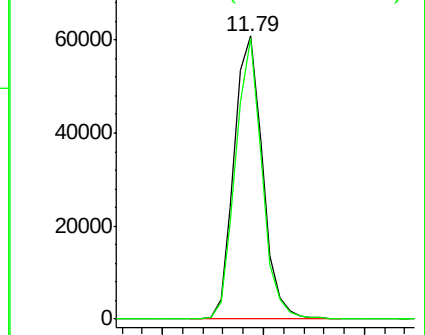
107 100

109 99.3 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 28.131 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

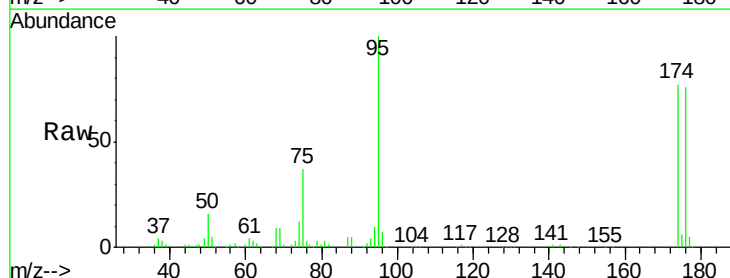
Tgt Ion: 95 Resp: 356290

Ion Ratio Lower Upper

95 100

174 77.3 0.0 178.0

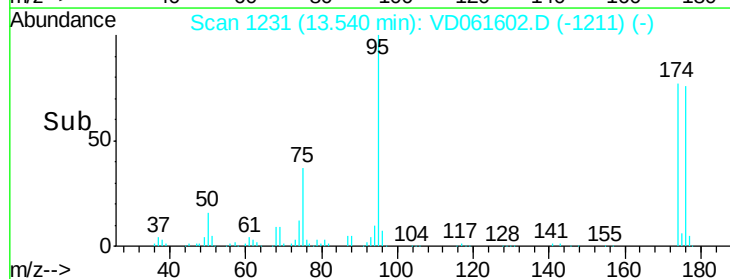
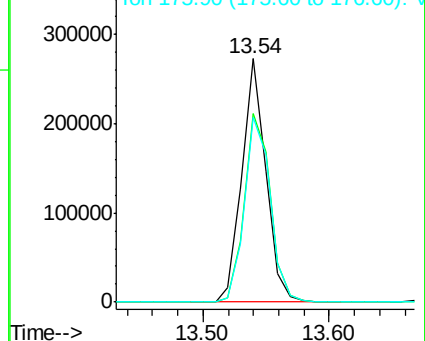
176 75.9 0.0 175.0

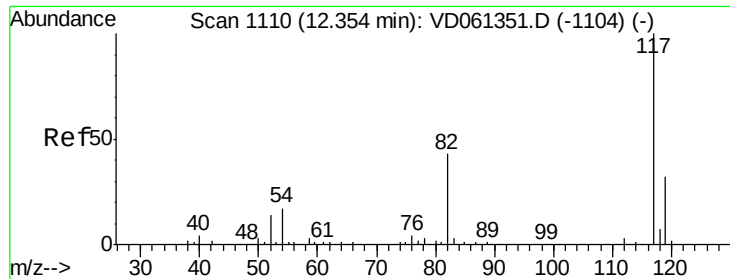


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

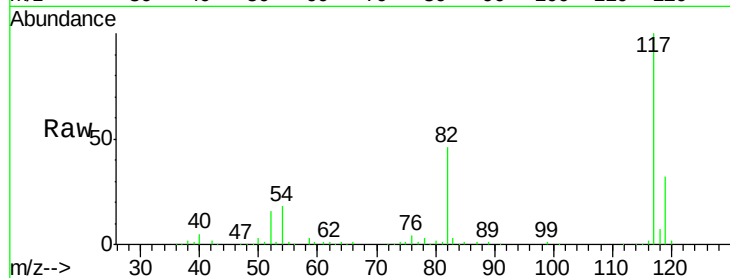




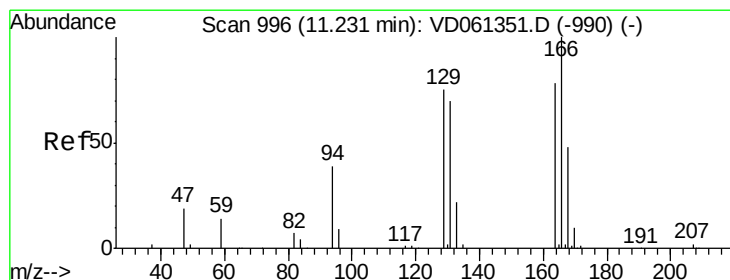
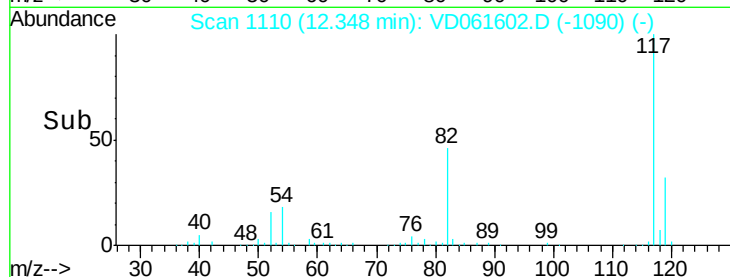
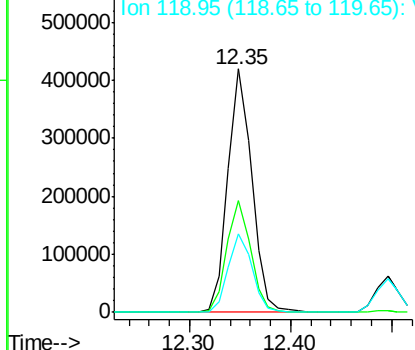
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

Tot Ion:117 Resp: 696249
Ion Ratio Lower Upper
117 100
82 46.0 34.4 51.6
119 32.4 25.8 38.6

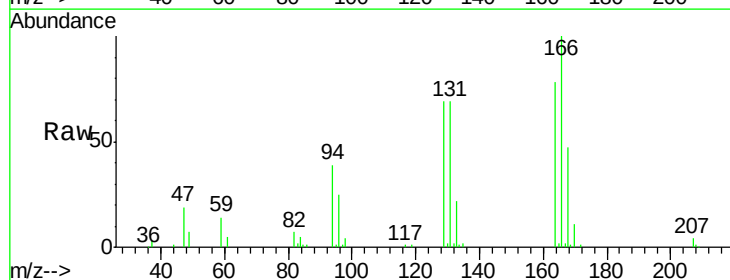


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

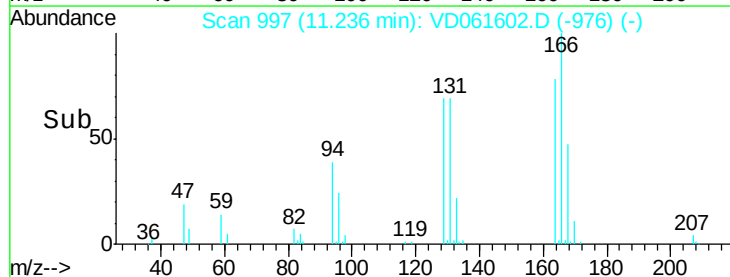
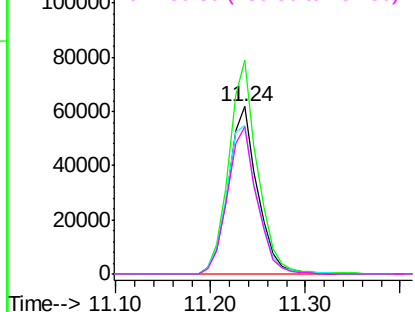


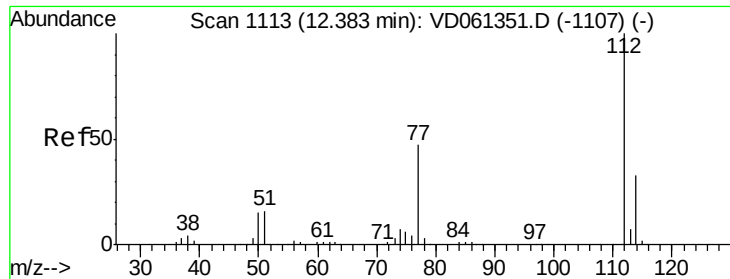
#64
Tetrachloroethene
Concen: 24.061 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion:164 Resp: 131477
Ion Ratio Lower Upper
164 100
166 127.5 102.4 153.6
129 88.5 76.8 115.2
131 87.7 71.8 107.6



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

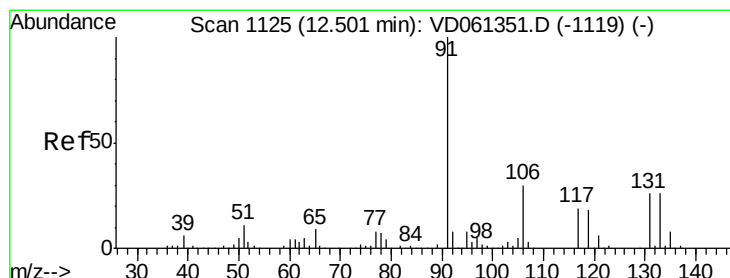
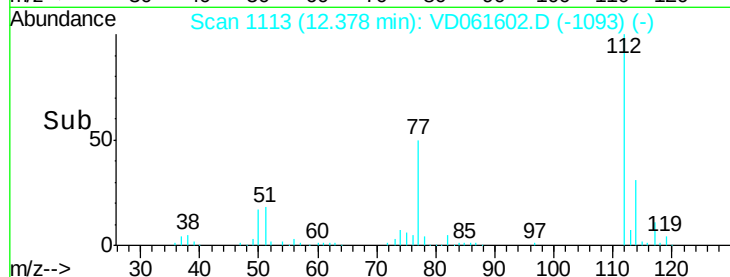
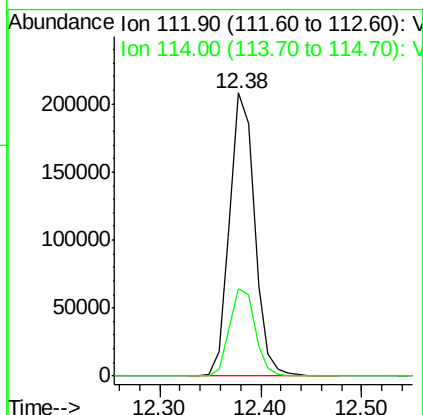
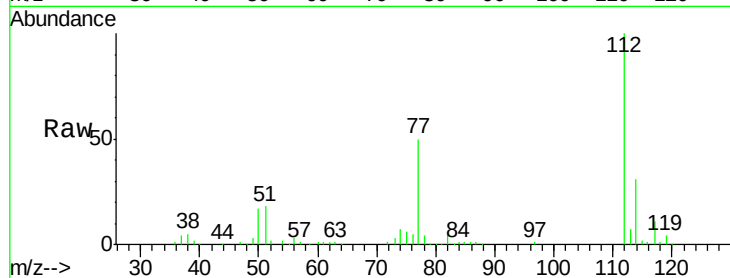




#65
Chlorobenzene
Concen: 25.177 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

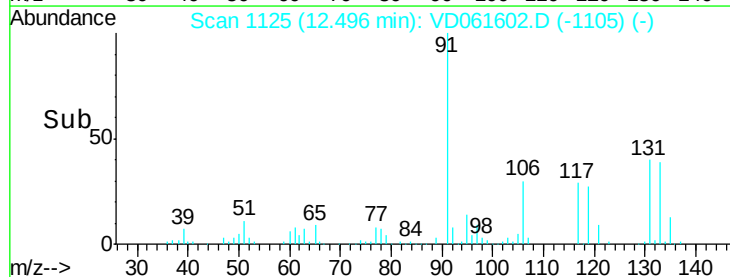
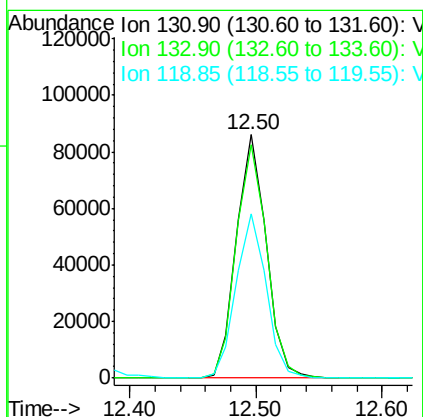
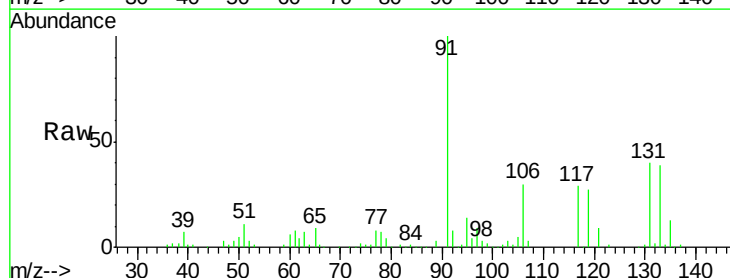
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

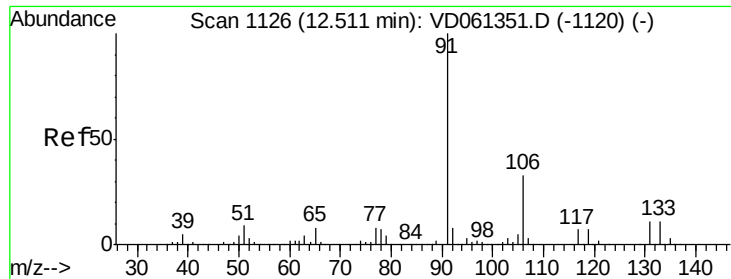
Tot Ion:112 Resp: 358247
Ion Ratio Lower Upper
112 100
114 31.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 25.540 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion:131 Resp: 140710
Ion Ratio Lower Upper
131 100
133 96.1 49.4 148.2
119 67.5 34.1 102.2

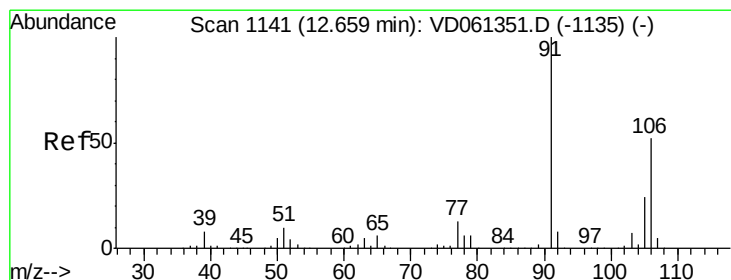
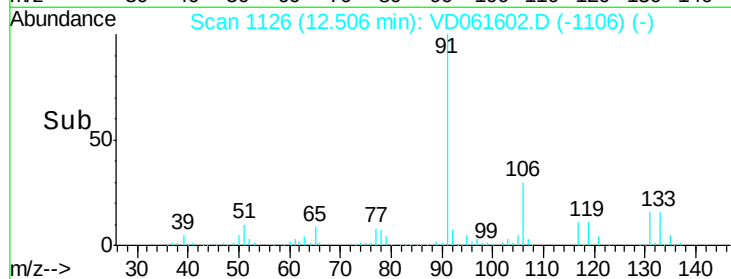
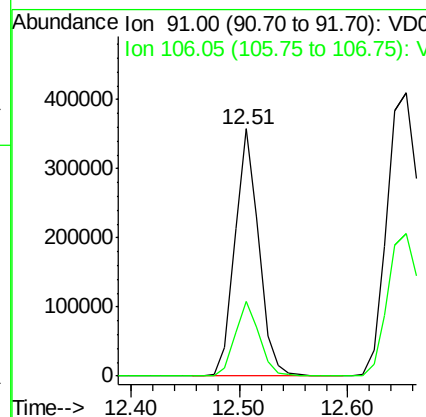
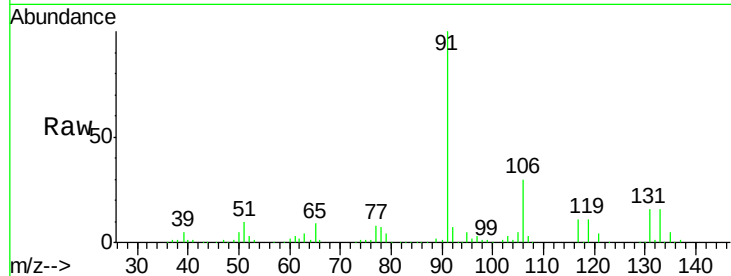




#67
Ethyl Benzene
Concen: 25.329 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

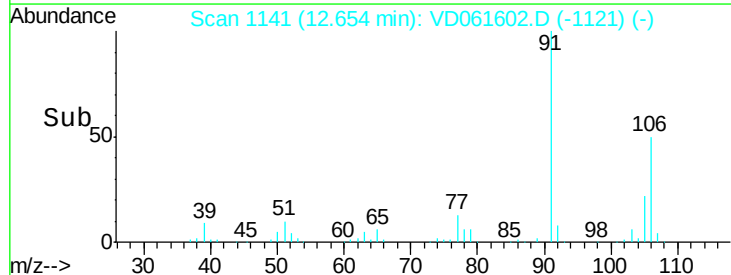
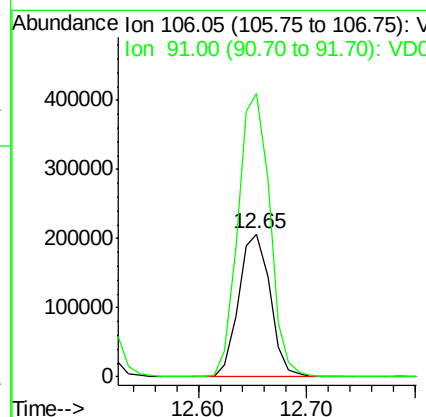
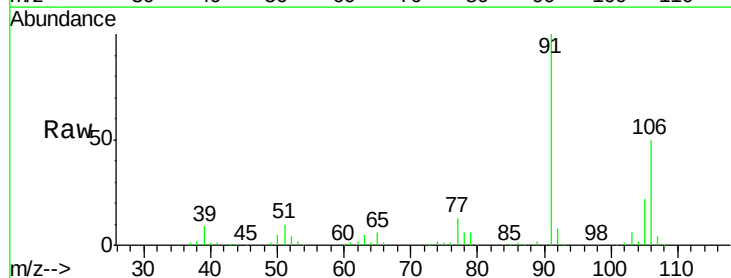
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

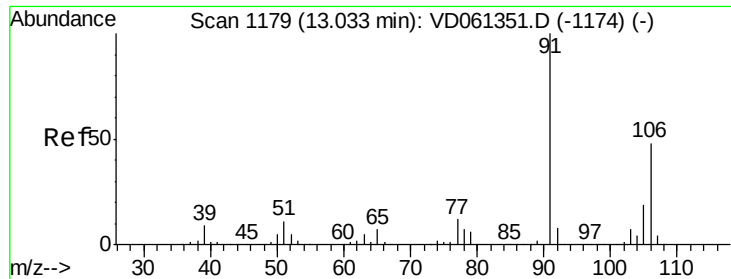
Tot Ion: 91 Resp: 550105
Ion Ratio Lower Upper
91 100
106 30.3 26.1 39.1



#68
m/p-Xylenes
Concen: 50.739 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 106 Resp: 417439
Ion Ratio Lower Upper
106 100
91 198.1 153.1 229.7

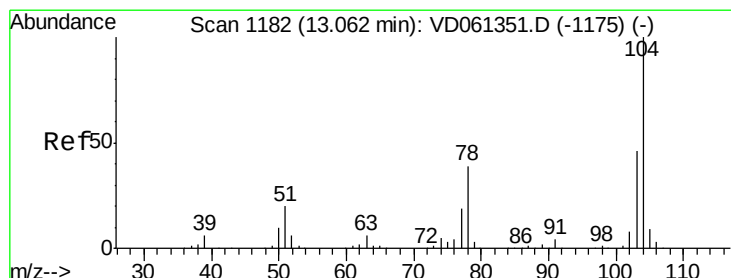
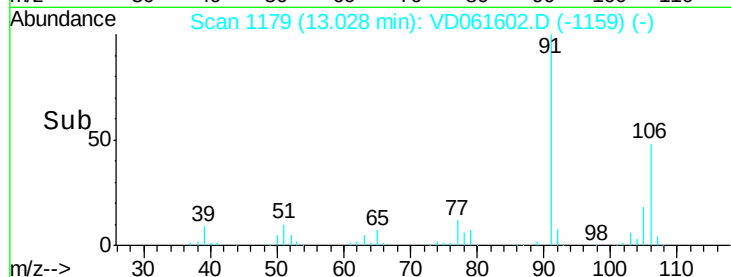
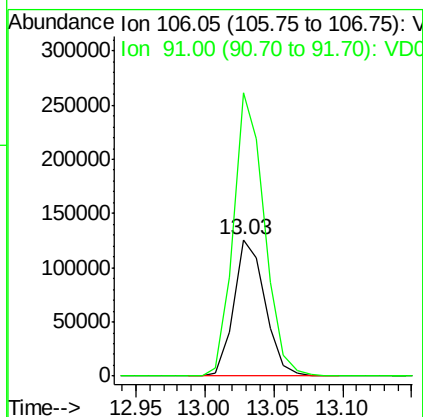
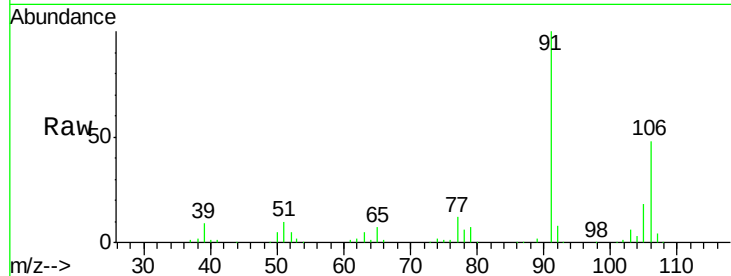




#69
o-Xylene
Concen: 24.908 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

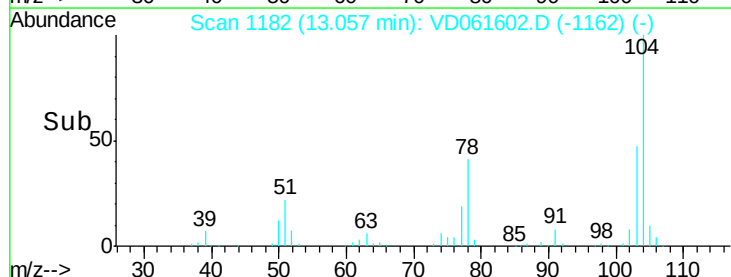
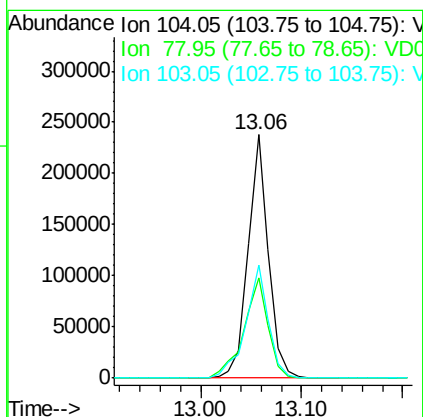
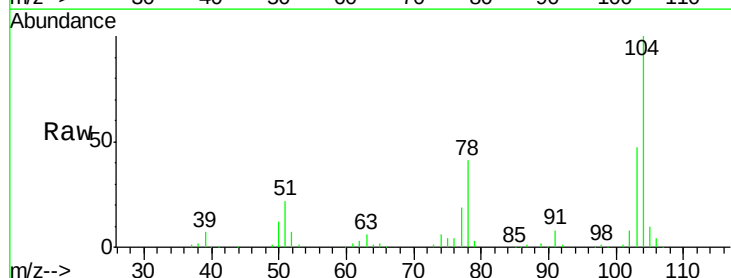
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBS02

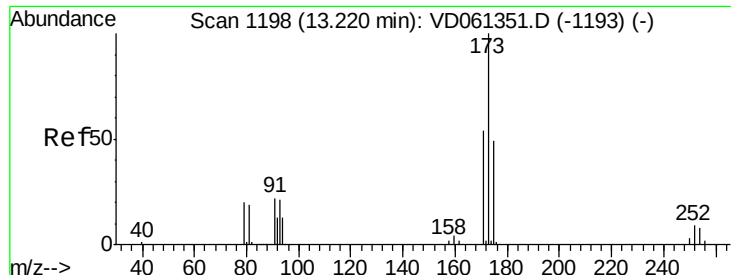
Tot Ion:106 Resp: 198857
Ion Ratio Lower Upper
106 100
91 207.0 103.8 311.3



#70
Styrene
Concen: 24.209 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion:104 Resp: 336922
Ion Ratio Lower Upper
104 100
78 41.0 31.0 46.6
103 46.7 37.0 55.4

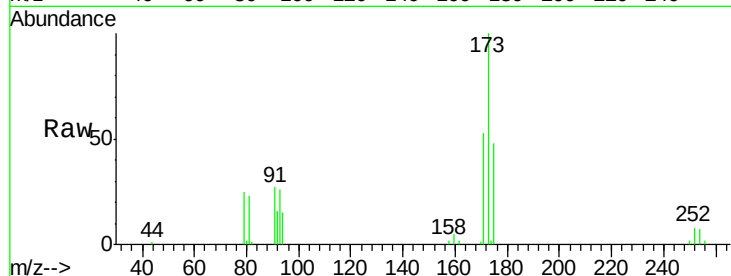




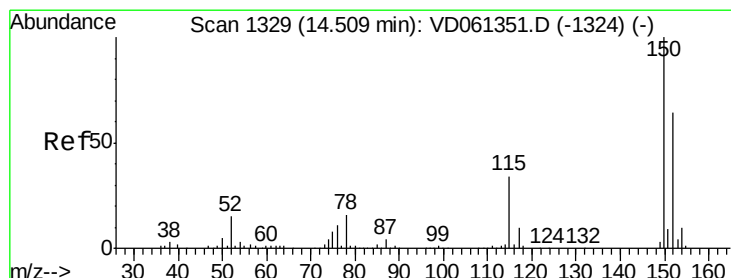
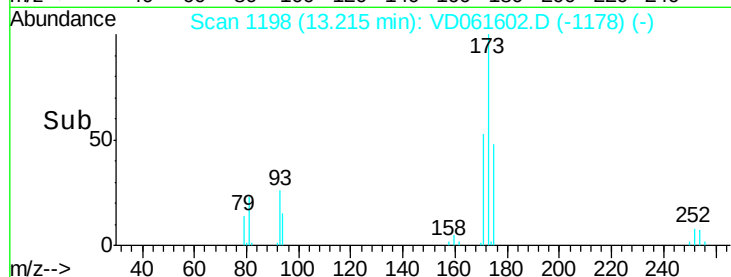
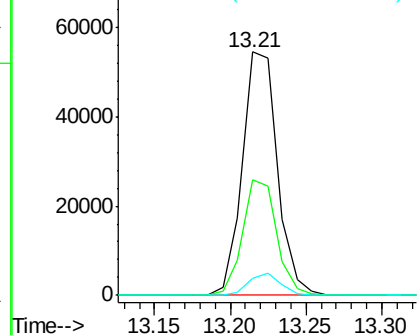
#71
Bromoform
Concen: 25.101 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

Tot Ion:173 Resp: 87662
Ion Ratio Lower Upper
173 100
175 47.7 24.6 73.8
254 7.2 6.6 10.0

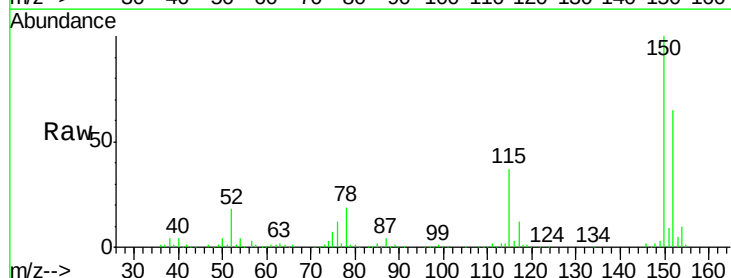


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

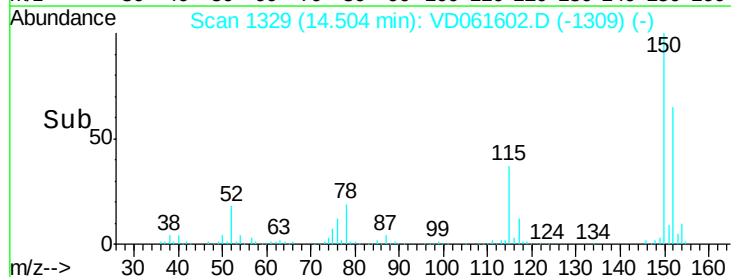
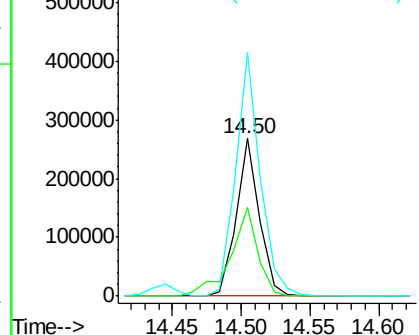


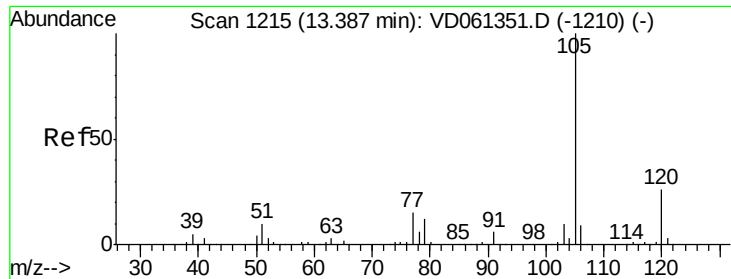
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion:152 Resp: 312742
Ion Ratio Lower Upper
152 100
115 56.8 26.9 80.6
150 154.8 0.0 318.0



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: 22.250 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

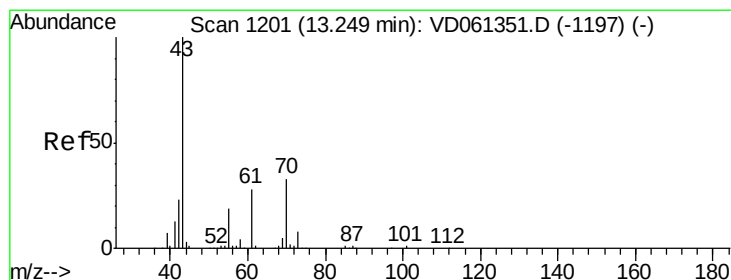
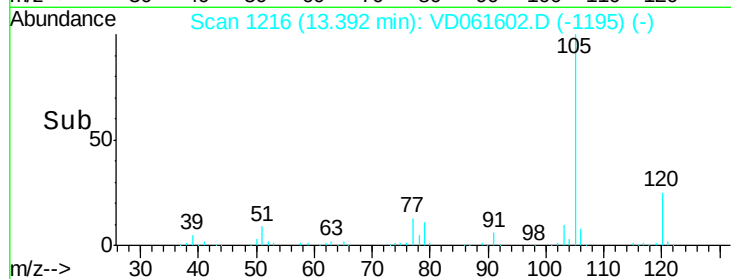
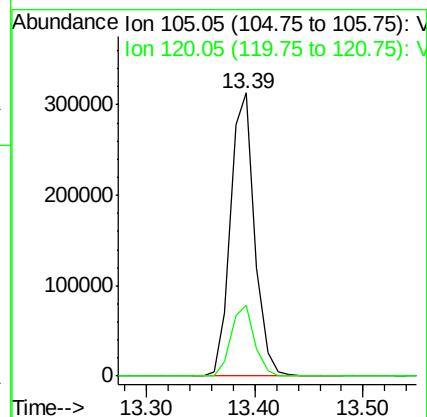
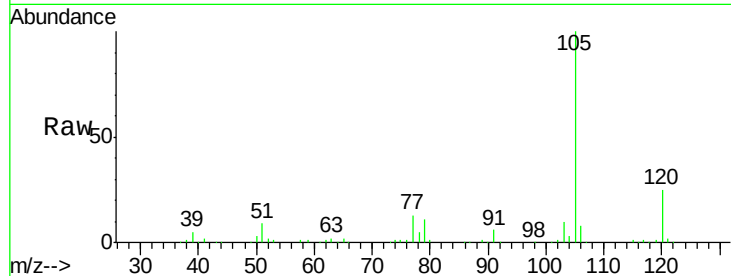
VD0404SBS02

Tot Ion:105 Resp: 484298

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3



#74

N-ethyl acetate

Concen: 24.580 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Tgt Ion: 43 Resp: 149043

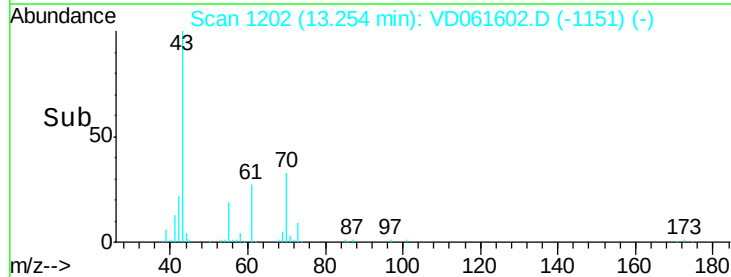
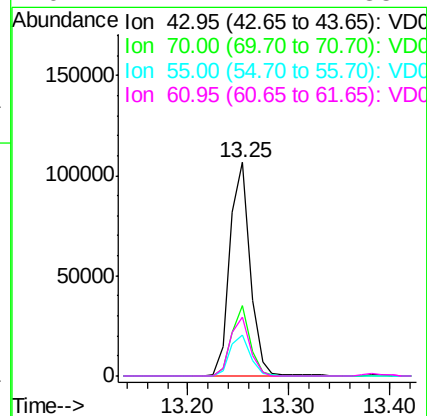
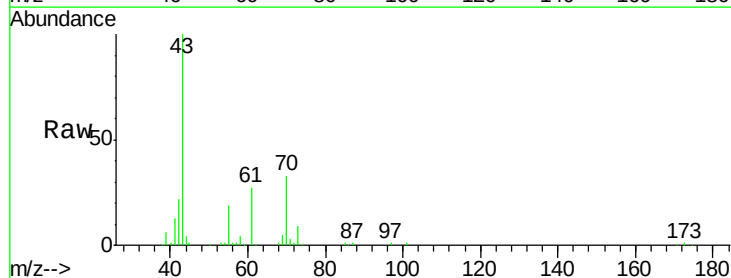
Ion Ratio Lower Upper

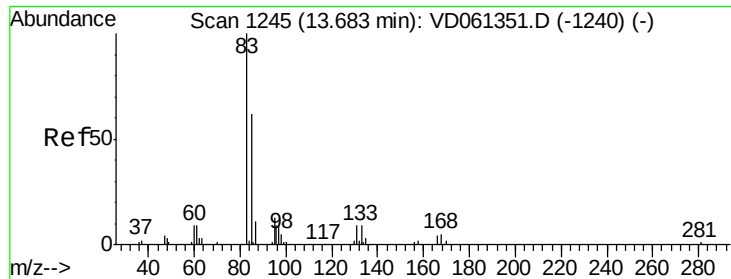
43 100

70 32.9 26.6 40.0

55 19.3 15.4 23.2

61 27.4 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 24.934 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

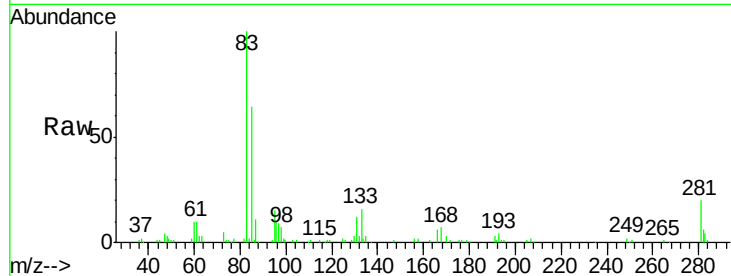
Tot Ion: 83 Resp: 114487

Ion Ratio Lower Upper

83 100

131 11.9 4.3 13.1

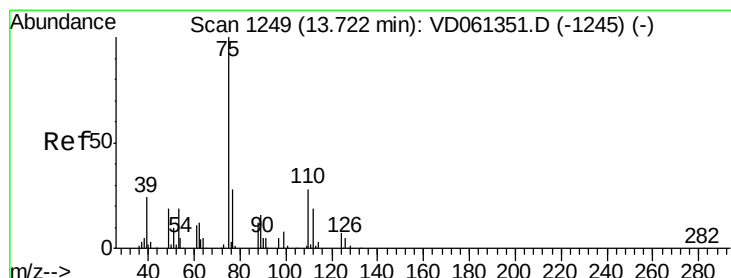
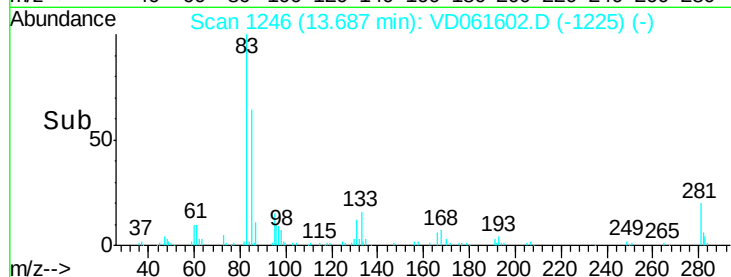
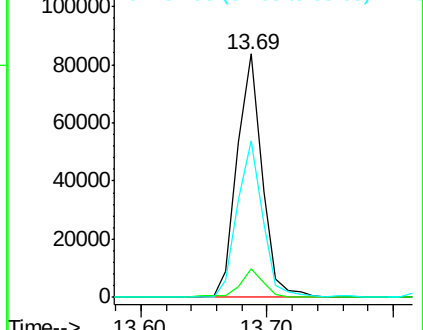
85 64.1 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 23.304 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061602.D

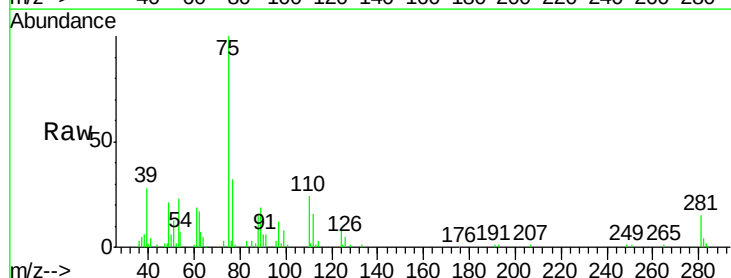
Acq: 5 Apr 2019 4:19

Tgt Ion: 75 Resp: 105277

Ion Ratio Lower Upper

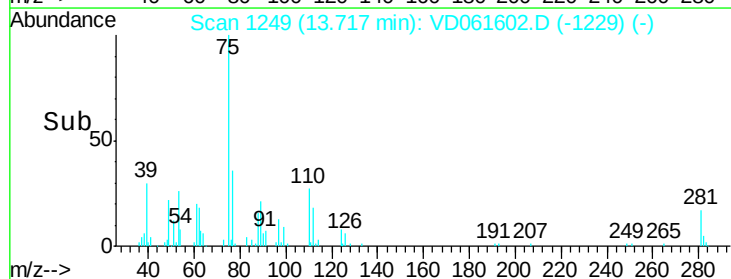
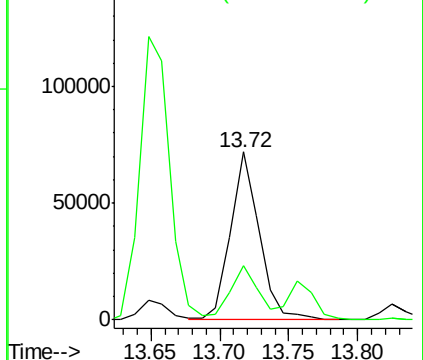
75 100

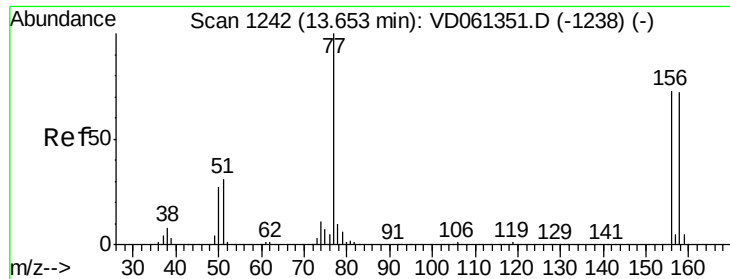
77 32.3 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.480 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

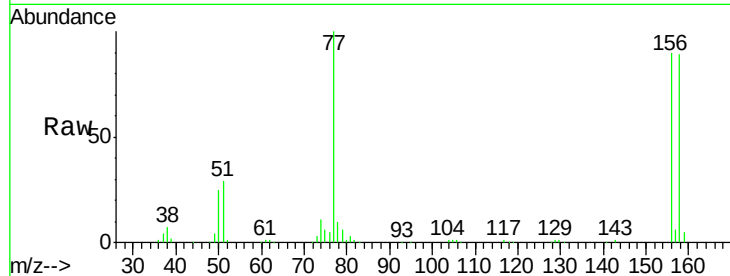
Tot Ion:156 Resp: 145063

Ion Ratio Lower Upper

156 100

77 111.1 68.5 205.6

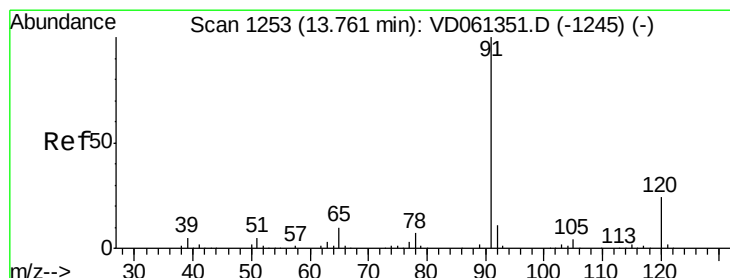
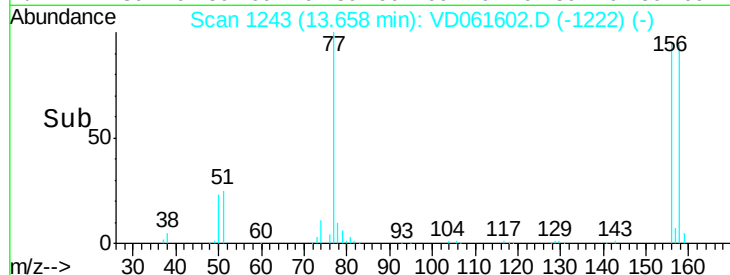
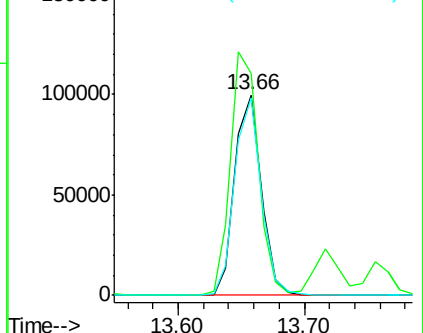
158 98.3 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.708 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061602.D

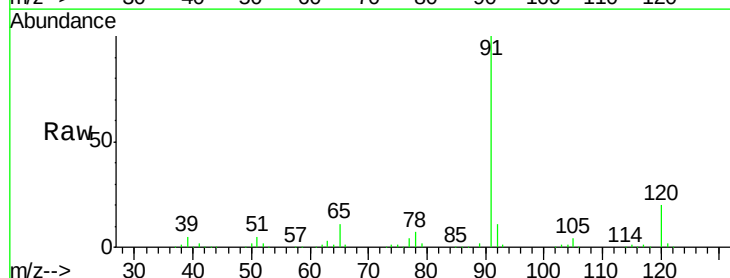
Acq: 5 Apr 2019 4:19

Tgt Ion: 91 Resp: 604872

Ion Ratio Lower Upper

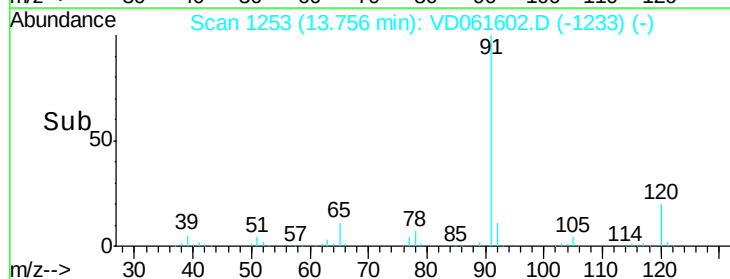
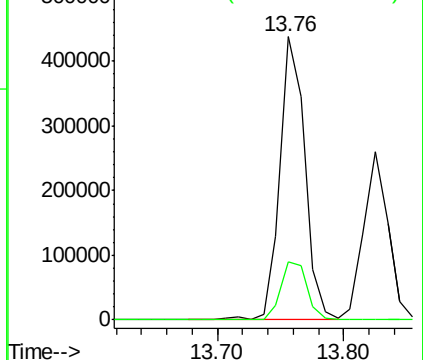
91 100

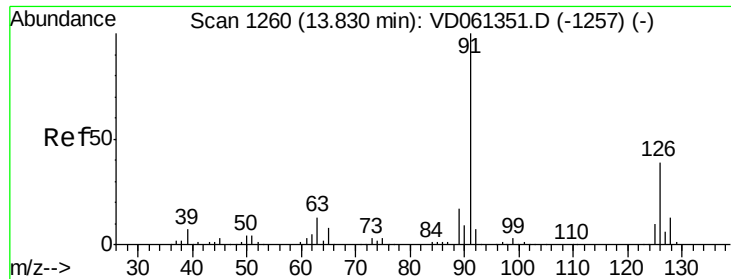
120 20.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 24.261 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

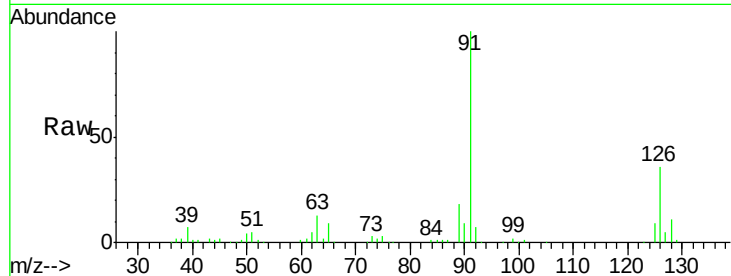
VD0404SBSD02

Tot Ion: 91 Resp: 350896

Ion Ratio Lower Upper

91 100

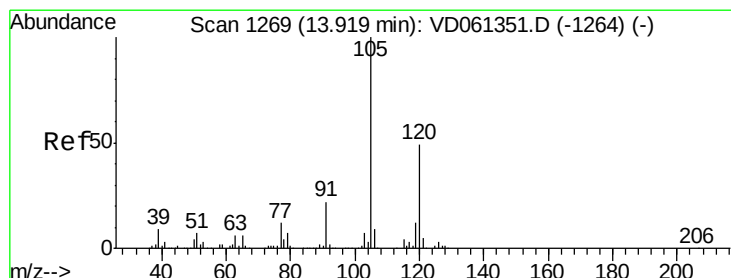
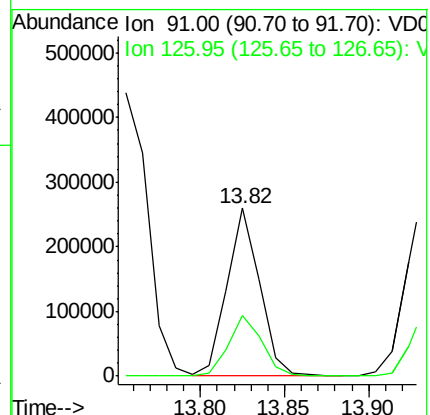
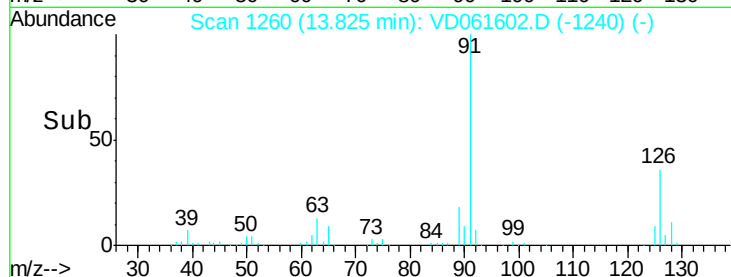
126 35.9 19.4 58.2



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

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.404 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061602.D

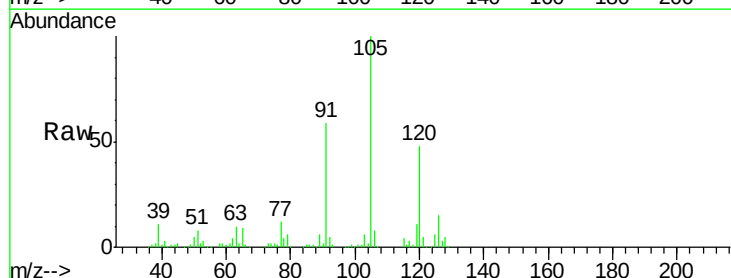
Acq: 5 Apr 2019 4:19

Tgt Ion: 105 Resp: 412137

Ion Ratio Lower Upper

105 100

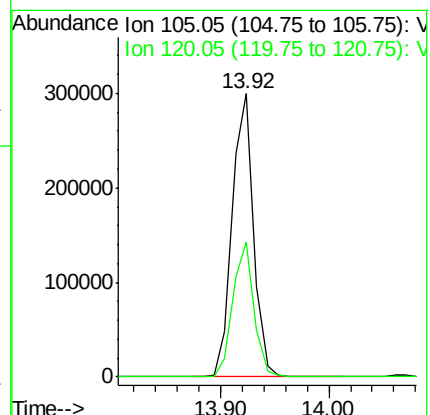
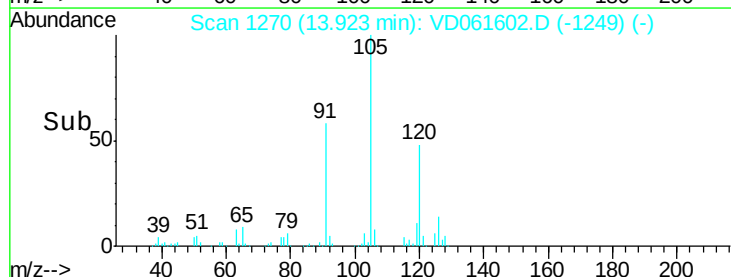
120 47.7 24.6 73.6

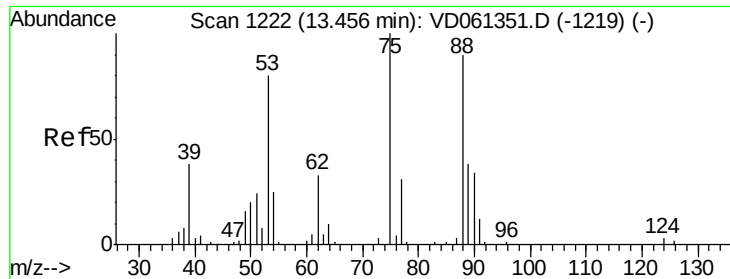


Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

Time-->

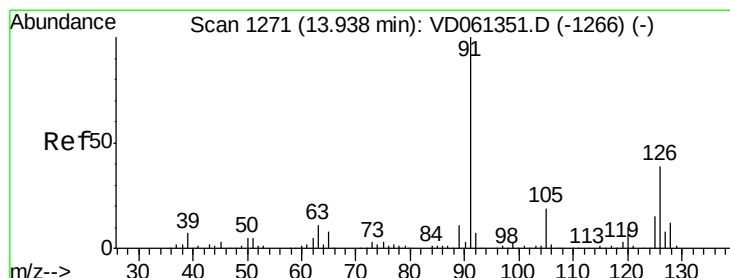
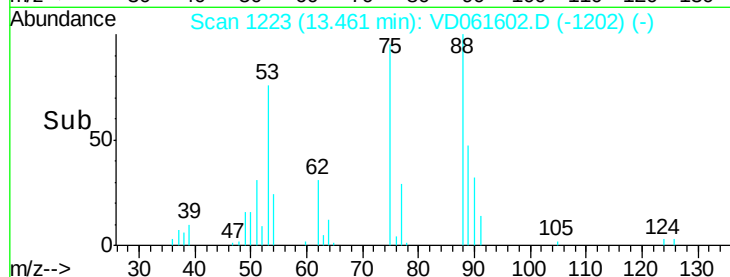
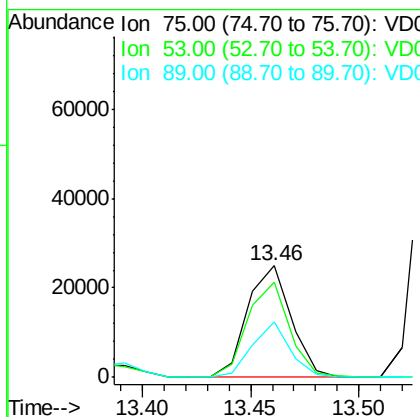
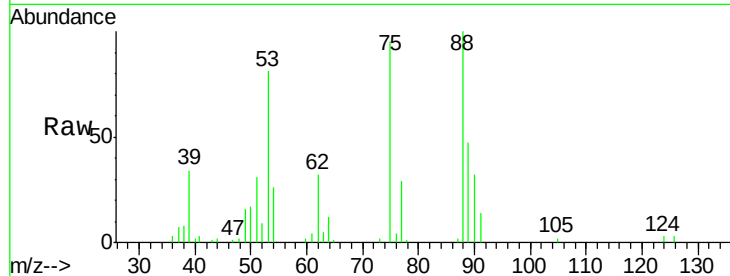




#81
trans-1,4-Dichloro-2-butene
Concen: 25.301 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

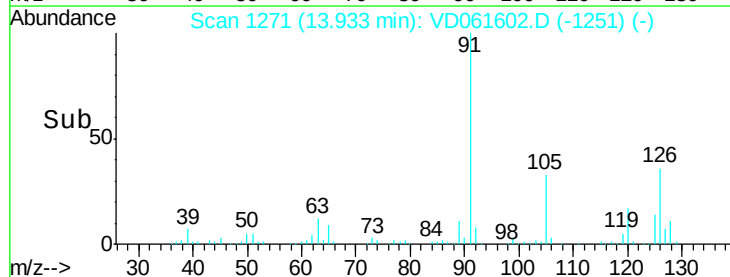
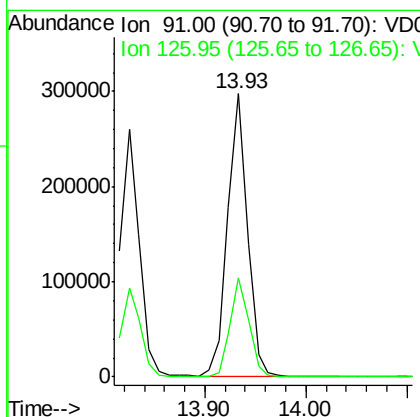
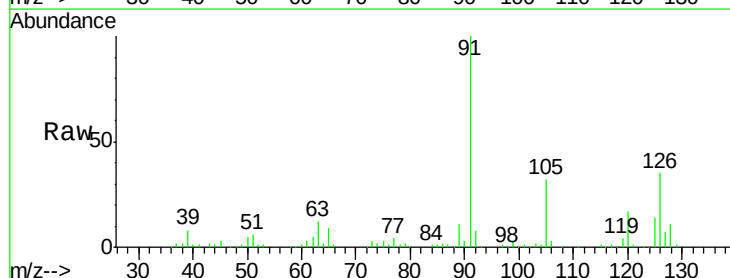
Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

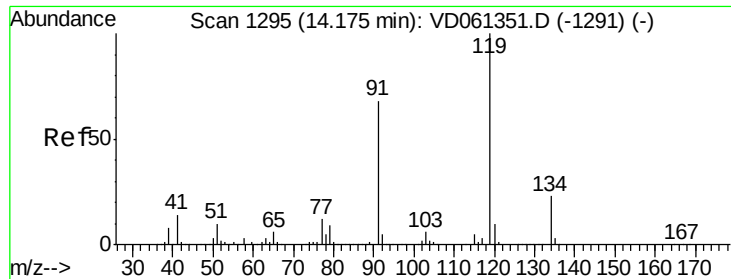
Tot Ion: 75 Resp: 34850
Ion Ratio Lower Upper
75 100
53 85.2 63.8 95.8
89 49.5 30.5 45.7#



#82
4-Chlorotoluene
Concen: 25.836 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion: 91 Resp: 406302
Ion Ratio Lower Upper
91 100
126 35.2 19.6 58.8

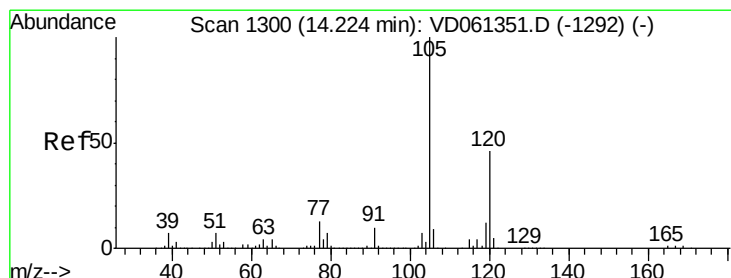
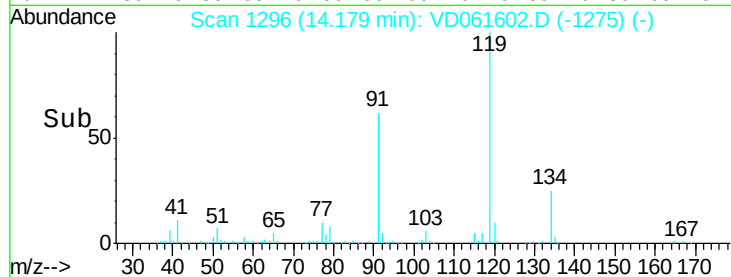
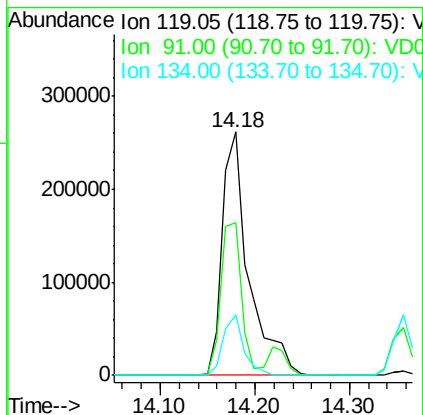
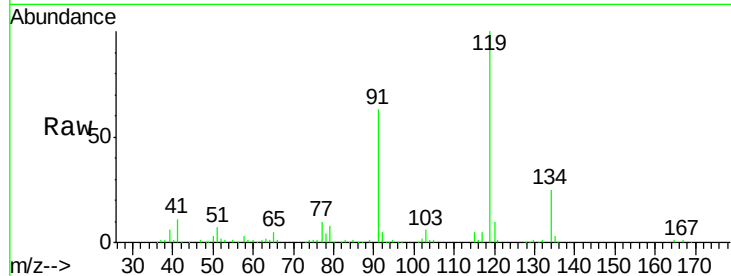




#83
 tert-Butylbenzene
 Concen: 23.992 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

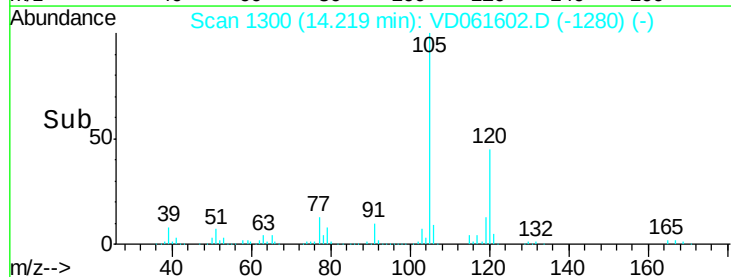
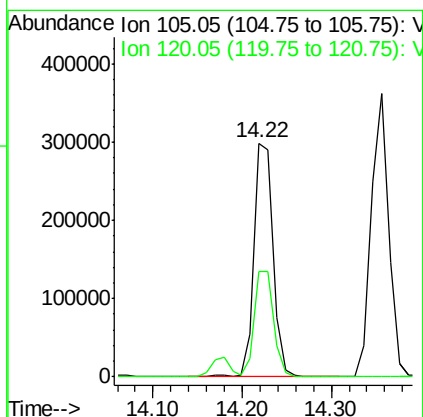
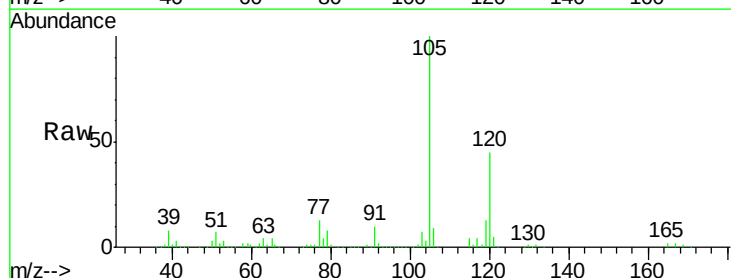
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBSD02

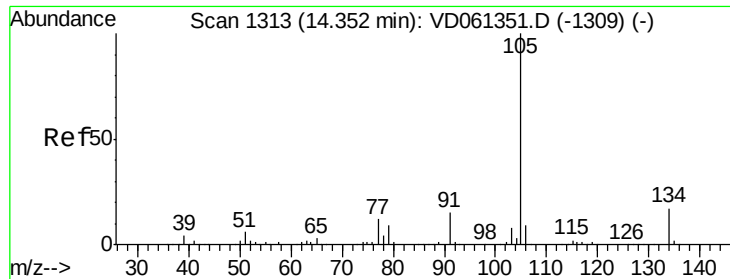
Tot Ion:119 Resp: 506368
 Ion Ratio Lower Upper
 119 100
 91 62.5 34.1 102.3
 134 25.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 23.869 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Tgt Ion:105 Resp: 436423
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.654 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

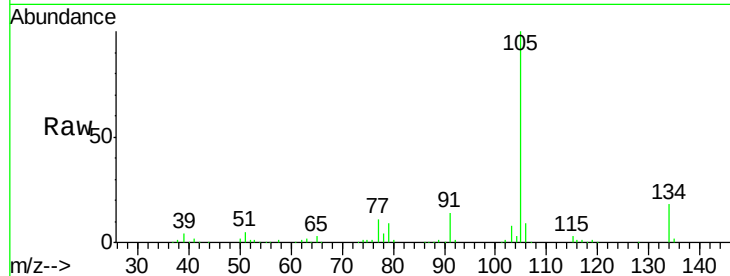
VD0404SBS02

Tot Ion:105 Resp: 485526

Ion Ratio Lower Upper

105 100

134 18.2 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

400000

300000

200000

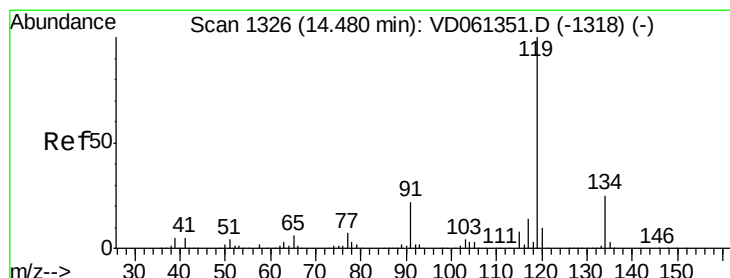
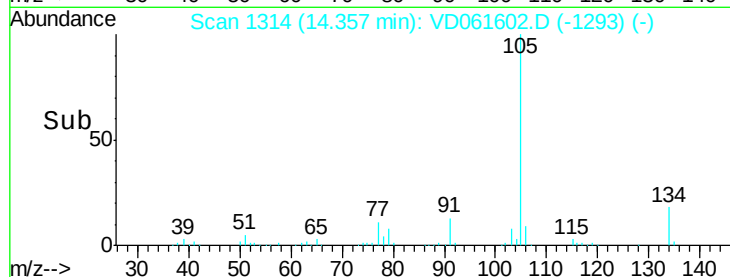
100000

0

14.30

14.40

Time-->



#86

p-Isopropyltoluene

Concen: 24.598 ug/l

RT: 14.47 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

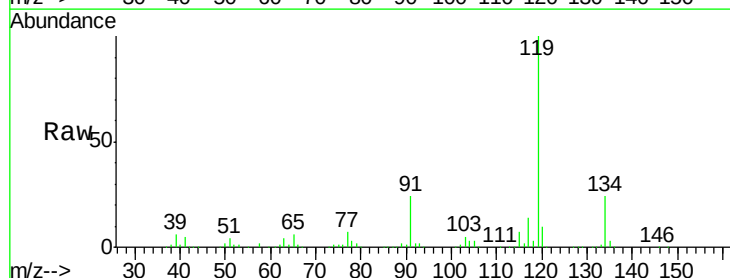
Tgt Ion:119 Resp: 466373

Ion Ratio Lower Upper

119 100

134 24.1 12.3 36.8

91 23.9 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.47

500000

400000

300000

200000

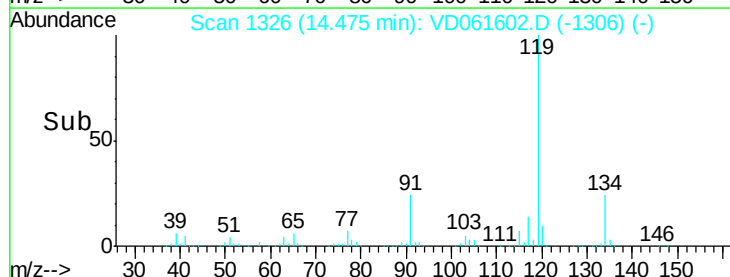
100000

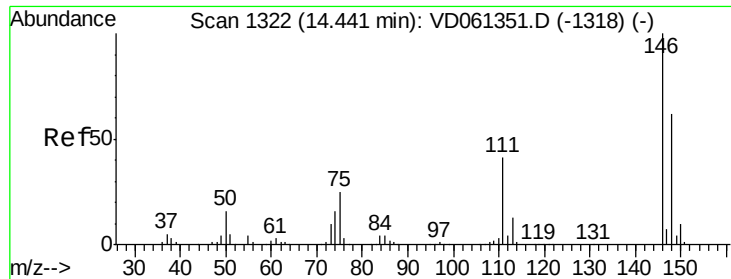
0

14.40

14.50

Time-->

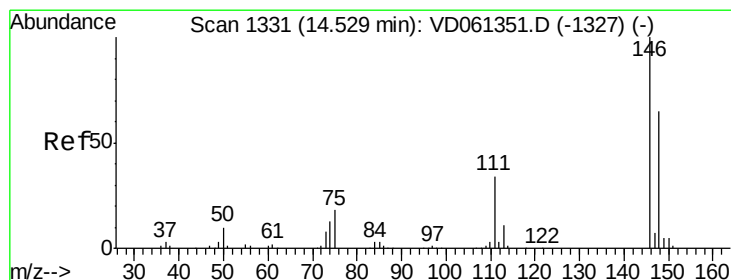
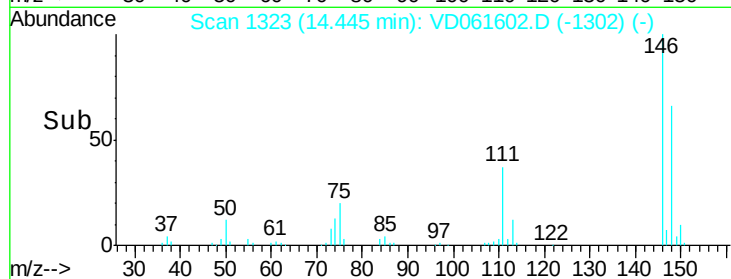
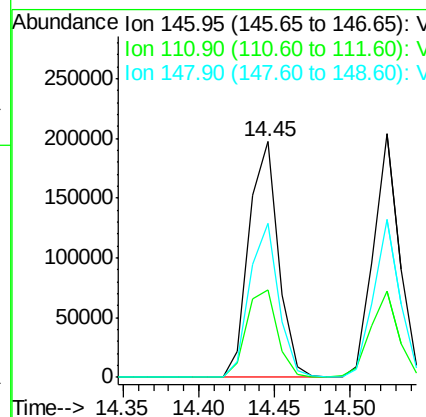
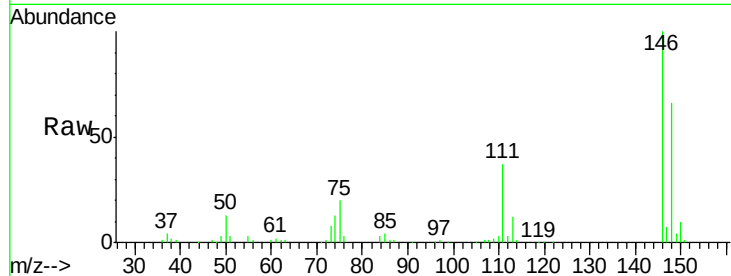




#87
 1,3-Dichlorobenzene
 Concen: 24.403 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

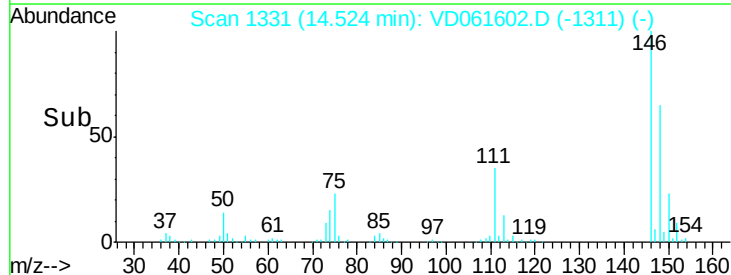
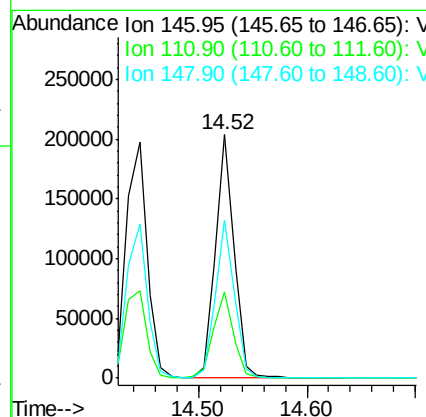
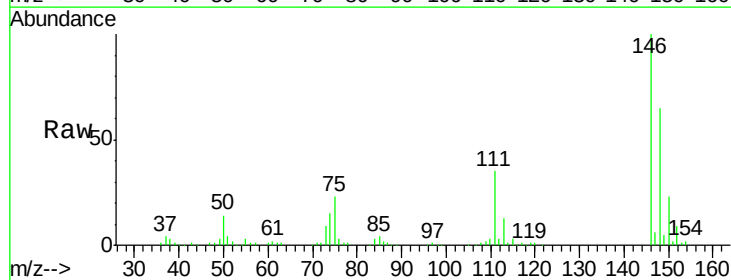
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

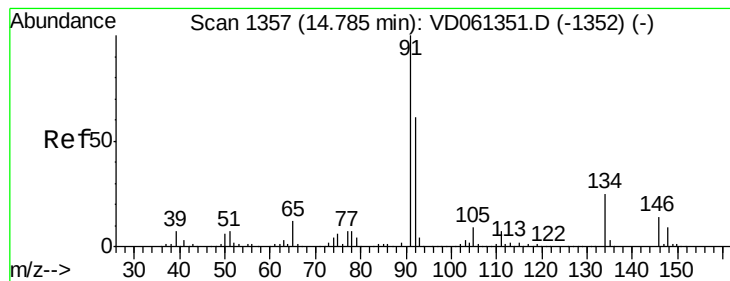
Tot Ion:146 Resp: 266655
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.6 61.9
 148 65.6 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.994 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Tgt Ion:146 Resp: 245032
 Ion Ratio Lower Upper
 146 100
 111 35.2 16.8 50.4
 148 64.8 32.6 98.0





#89

n-Butylbenzene

Concen: 23.379 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBS02

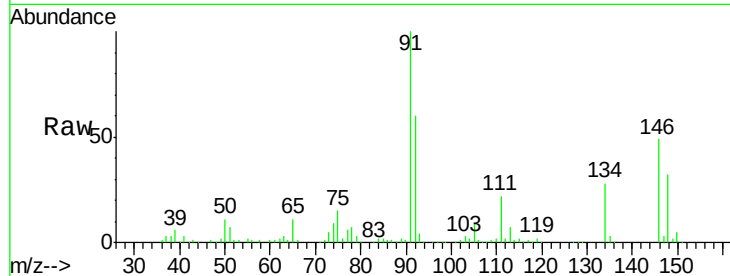
Tot Ion: 91 Resp: 406843

Ion Ratio Lower Upper

91 100

92 60.3 30.3 91.0

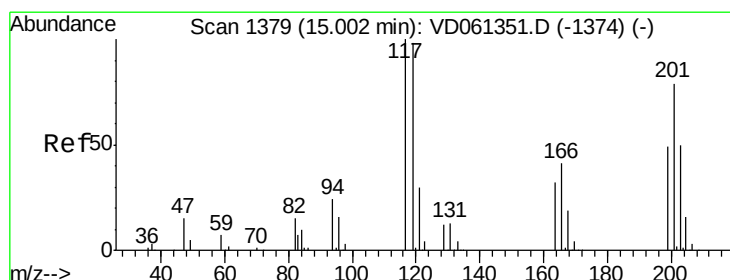
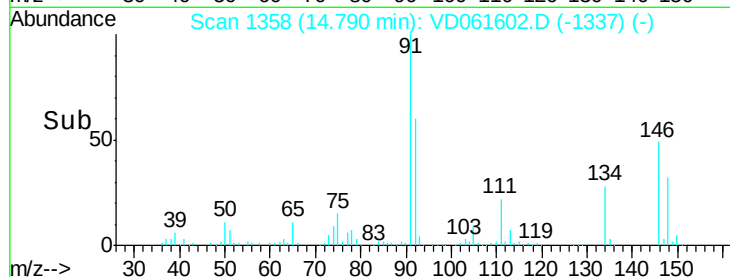
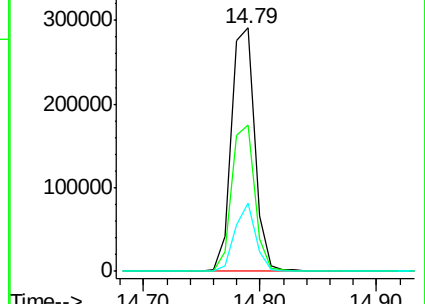
134 28.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.260 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061602.D

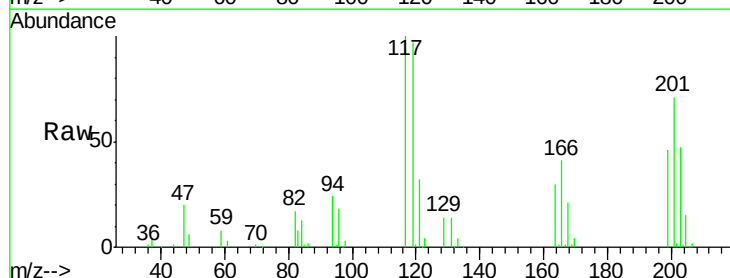
Acq: 5 Apr 2019 4:19

Tgt Ion: 117 Resp: 124586

Ion Ratio Lower Upper

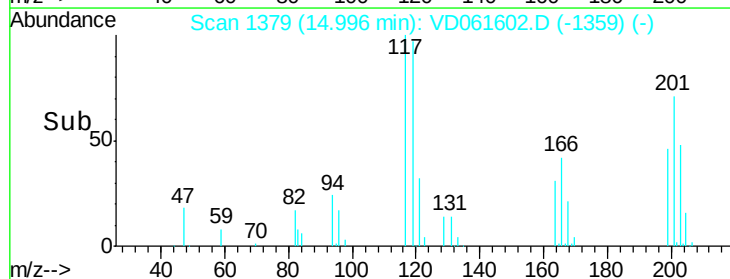
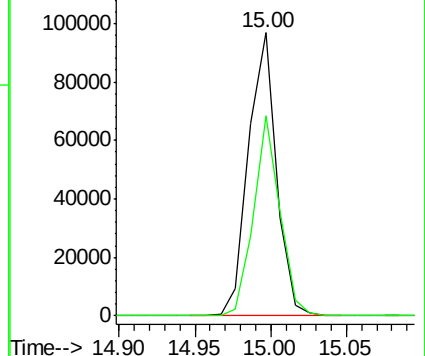
117 100

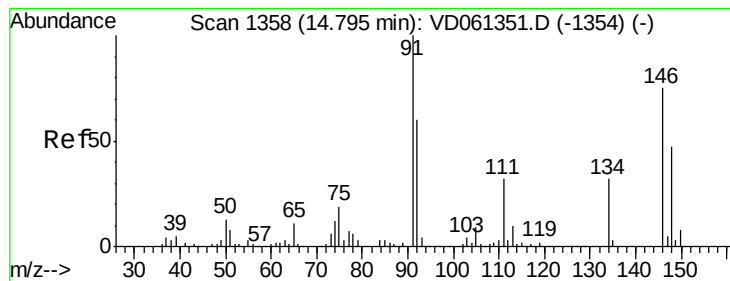
201 70.7 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 25.501 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

Instrument :

MSVOA_D

ClientSampleId :

VD0404SBSD02

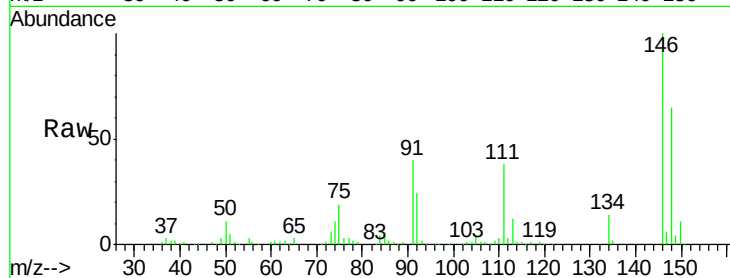
Tot Ion:146 Resp: 228563

Ion Ratio Lower Upper

146 100

111 37.6 21.2 63.6

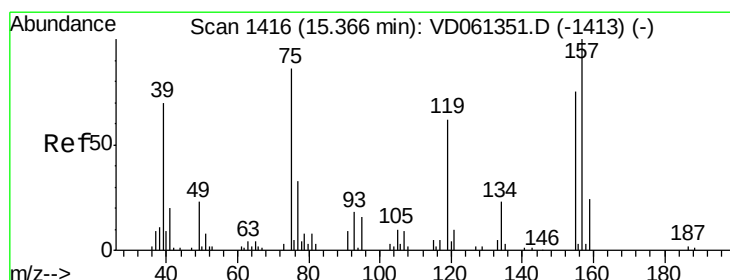
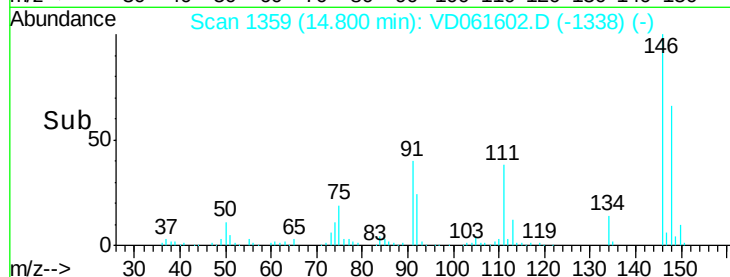
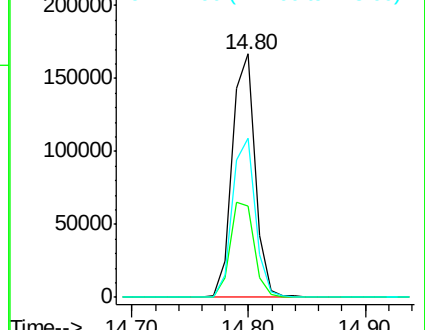
148 65.3 31.6 95.0



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: 25.952 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD061602.D

Acq: 5 Apr 2019 4:19

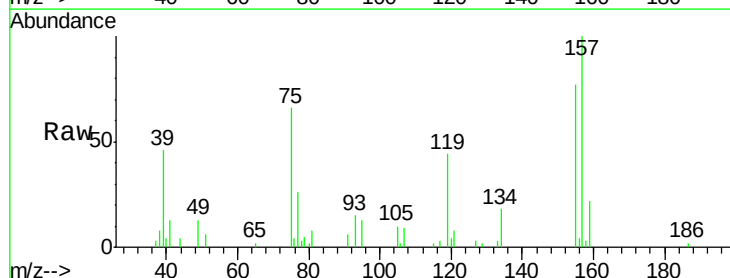
Tgt Ion: 75 Resp: 13976

Ion Ratio Lower Upper

75 100

155 117.3 43.6 130.9

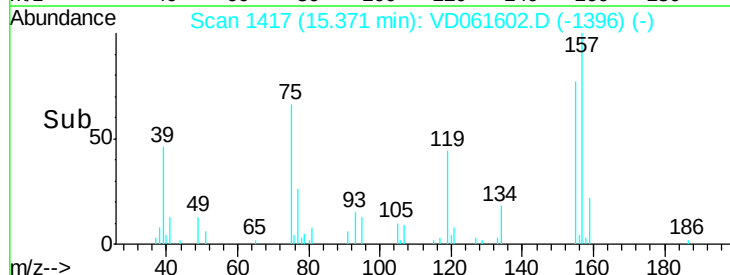
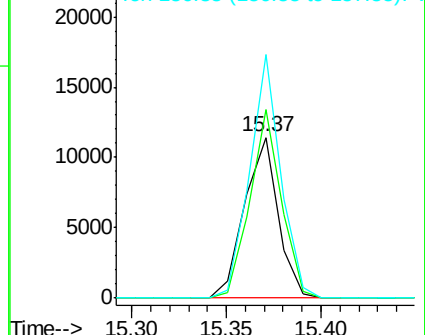
157 151.7 58.5 175.3

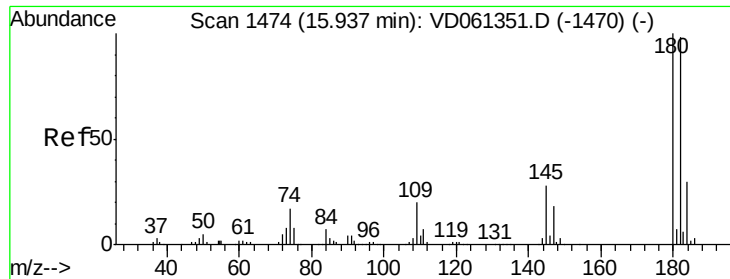


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

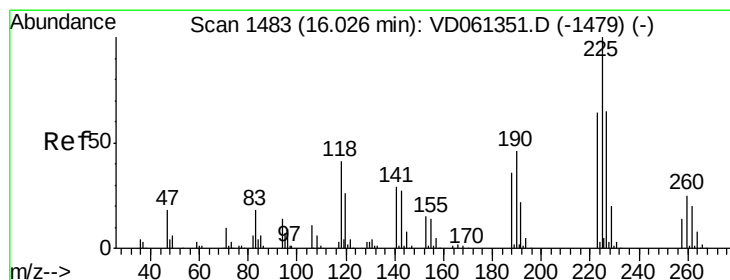
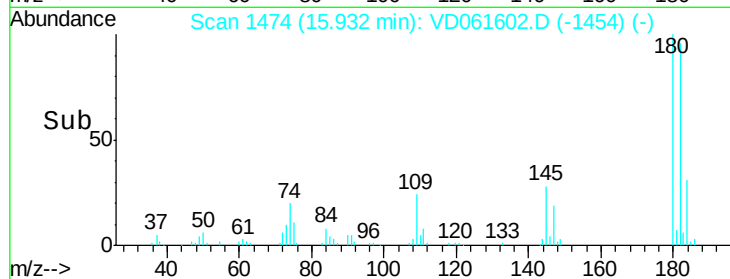
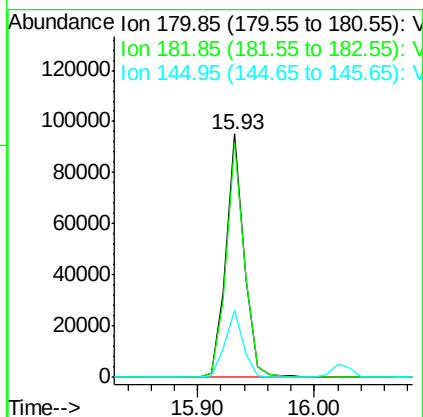
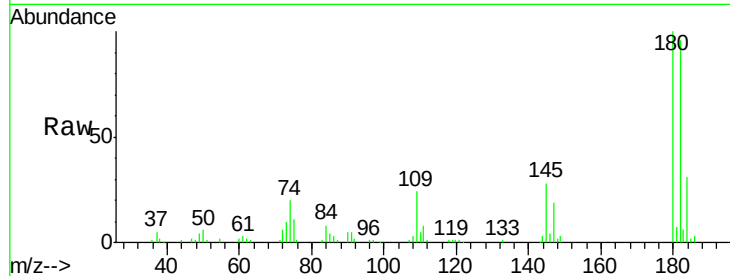




#93
 1,2,4-Trichlorobenzene
 Concen: 25.274 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

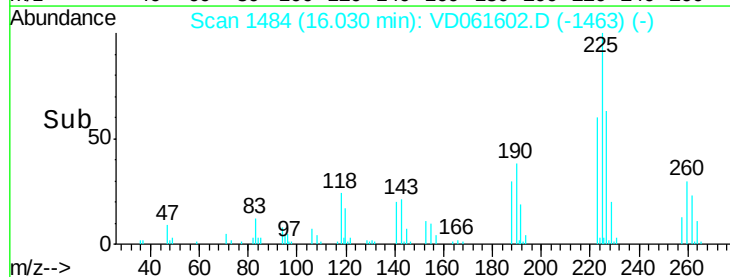
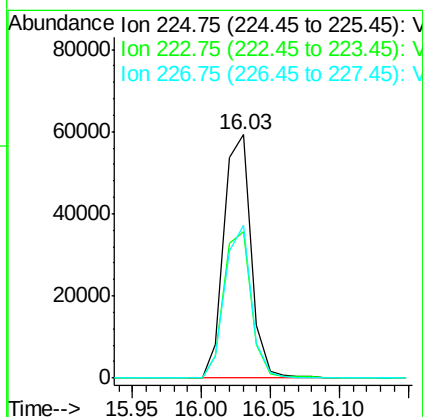
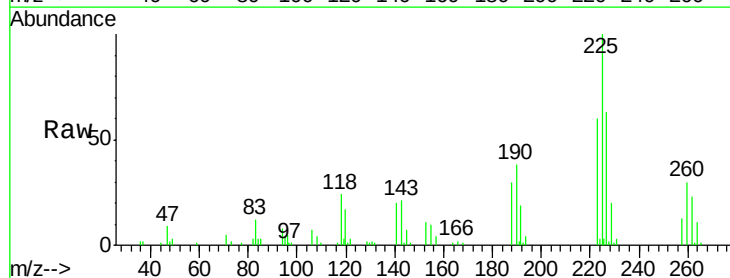
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0404SBS02

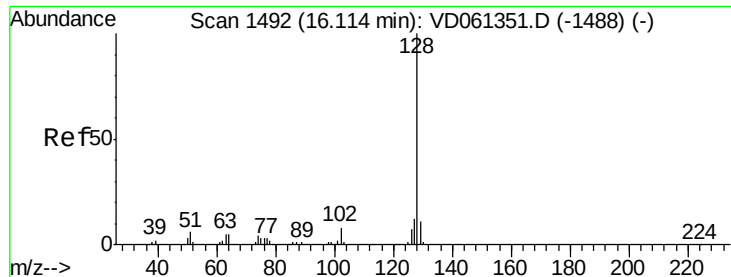
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.9	146.8
145	27.6	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 25.353 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061602.D
 Acq: 5 Apr 2019 4:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	32.0	96.0
227	62.6	32.4	97.2

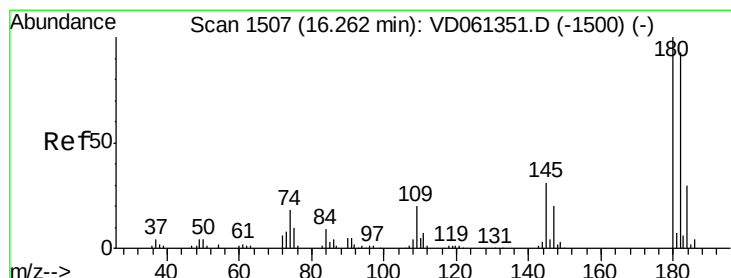
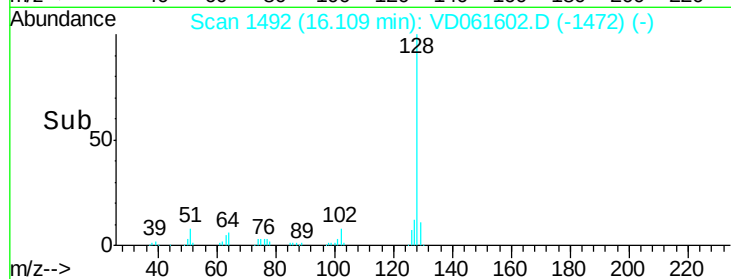
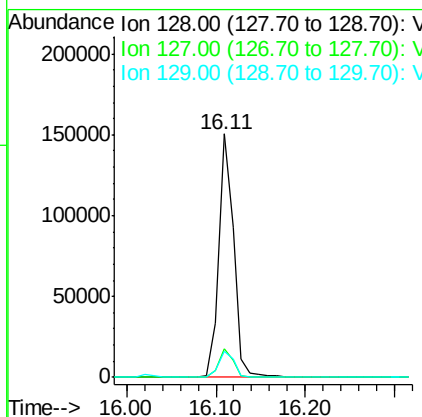
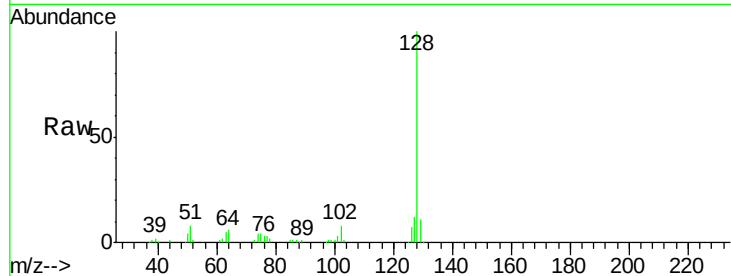




#95
Naphthalene
Concen: 28.302 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Instrument :
MSVOA_D
ClientSampleId :
VD0404SBSD02

Tot Ion:128 Resp: 176140
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 26.669 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061602.D
Acq: 5 Apr 2019 4:19

Tgt Ion:180 Resp: 47917
Ion Ratio Lower Upper
180 100
182 97.0 46.4 139.1
145 30.3 15.3 45.9

