

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061515.D
 Acq On : 2 Apr 2019 15:38
 Operator : VA/AP
 Sample : VD0402SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

Quant Time: Apr 03 01:51:15 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	7.03	168	655371	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1096125	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	892706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	430205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	305959	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
35) Dibromofluoromethane	6.90	113	460628	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.40	98	1175855	58.53	ug/l	0.01
Spiked Amount	50.000		Recovery	=	117.06%	
62) 4-Bromofluorobenzene	13.55	95	416578	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	150435	21.494	ug/l	98
3) Chloromethane	1.76	50	121009	21.199	ug/l	97
4) Vinyl Chloride	1.84	62	115754	22.086	ug/l	94
5) Bromomethane	2.14	94	19444	18.709	ug/l	87
6) Chloroethane	2.25	64	29647	19.289	ug/l	91
7) Trichlorofluoromethane	2.52	101	149439	19.608	ug/l	97
8) Diethyl Ether	2.87	74	49763	20.280	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	175247	21.389	ug/l	96
10) Methyl Iodide	3.29	142	221254	19.997	ug/l	97
11) Tert butyl alcohol	4.05	59	40803	117.030	ug/l	97
12) 1,1-Dichloroethene	3.11	96	142640	20.277	ug/l	98
13) Acrolein	3.03	56	25349	79.828	ug/l	96
14) Allyl chloride	3.61	41	205513	20.946	ug/l	98
15) Acrylonitrile	4.18	53	143655	118.713	ug/l	96
16) Acetone	3.21	43	146695	101.930	ug/l	99
17) Carbon Disulfide	3.36	76	441329	19.310	ug/l	97
18) Methyl Acetate	3.63	43	65948	21.794	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	282420	23.193	ug/l	99
20) Methylene Chloride	3.80	84	187316	22.165	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	177315	23.347	ug/l	97
22) Diisopropyl ether	5.10	45	479565	23.097	ug/l	97
23) Vinyl Acetate	5.03	43	1254234	111.209	ug/l	98
24) 1,1-Dichloroethane	4.97	63	260258	21.329	ug/l	97
25) 2-Butanone	6.05	43	200421	110.708	ug/l	100
26) 2,2-Dichloropropane	6.01	77	219715	22.651	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	185946	22.346	ug/l	96
28) Bromochloromethane	6.42	49	109334	22.197	ug/l #	98
29) Tetrahydrofuran	6.43	42	104264	118.824	ug/l	98
30) Chloroform	6.65	83	277270	21.991	ug/l	99
31) Cyclohexane	6.93	56	193790	20.098	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	236685	21.279	ug/l	96
36) 1,1-Dichloropropene	7.13	75	211132	22.070	ug/l	99
37) Ethyl Acetate	6.17	43	92713	22.660	ug/l #	93
38) Carbon Tetrachloride	7.09	117	234814	21.360	ug/l	96

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

Quant Time: Apr 03 01:51:15 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)
39) Methylcyclohexane	8.84	83	221617	22.243	ug/l	99
40) Benzene	7.44	78	537532	22.388	ug/l	98
41) Methacrylonitrile	6.43	41	115083	24.056	ug/l	96
42) 1,2-Dichloroethane	7.55	62	161265	22.454	ug/l	99
43) Isopropyl Acetate	9.23	43	129166	21.698	ug/l	99
44) Trichloroethene	8.53	130	200634	22.454	ug/l	94
45) 1,2-Dichloropropane	8.92	63	128698	21.139	ug/l	99
46) Dibromomethane	9.05	93	93423	22.798	ug/l	98
47) Bromodichloromethane	9.36	83	205208	22.312	ug/l	100
48) Methyl methacrylate	9.10	41	71537	21.774	ug/l	97
49) 1,4-Dioxane	9.06	88	17720	488.997	ug/l	89
51) 4-Methyl-2-Pentanone	10.28	43	413601	114.199	ug/l	98
52) Toluene	10.50	92	333888	22.794	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	200942	24.047	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	233047	22.904	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	115959	22.637	ug/l	94
56) Ethyl methacrylate	11.03	69	117322	21.319	ug/l	97
57) 1,3-Dichloropropane	11.39	76	174652	23.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	332862	124.203	ug/l	99
59) 2-Hexanone	11.52	43	310643	118.382	ug/l	97
60) Dibromochloromethane	11.67	129	174194	22.058	ug/l	99
61) 1,2-Dibromoethane	11.79	107	131082	22.098	ug/l	98
64) Tetrachloroethene	11.25	164	144934	20.687	ug/l	98
65) Chlorobenzene	12.39	112	416895	22.851	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	164130	23.235	ug/l	97
67) Ethyl Benzene	12.52	91	620759	22.292	ug/l	98
68) m/p-Xylenes	12.65	106	470475	44.601	ug/l	93
69) o-Xylene	13.04	106	230087	22.477	ug/l	100
70) Styrene	13.06	104	385820	21.621	ug/l	95
71) Bromoform	13.22	173	93479	20.876	ug/l	97
73) Isopropylbenzene	13.39	105	676595	22.597	ug/l	99
74) N-amyl acetate	13.25	43	162428	19.474	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	133509	21.137	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	118394	19.052	ug/l	97
77) Bromobenzene	13.66	156	182787	20.592	ug/l	91
78) n-propylbenzene	13.77	91	744001	20.305	ug/l	99
79) 2-Chlorotoluene	13.83	91	423556	21.289	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	546762	23.535	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	40164	21.197	ug/l	98
82) 4-Chlorotoluene	13.93	91	521520	24.107	ug/l	86
83) tert-Butylbenzene	14.18	119	597029	20.564	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	527104	20.958	ug/l	98
85) sec-Butylbenzene	14.36	105	610502	19.794	ug/l	99
86) p-Isopropyltoluene	14.48	119	606835	23.268	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	303193	20.171	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	320444	21.860	ug/l	98
89) n-Butylbenzene	14.79	91	535820	22.384	ug/l	100
90) Hexachloroethane	15.00	117	158336	21.489	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	270715	21.957	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	15844	21.388	ug/l	97

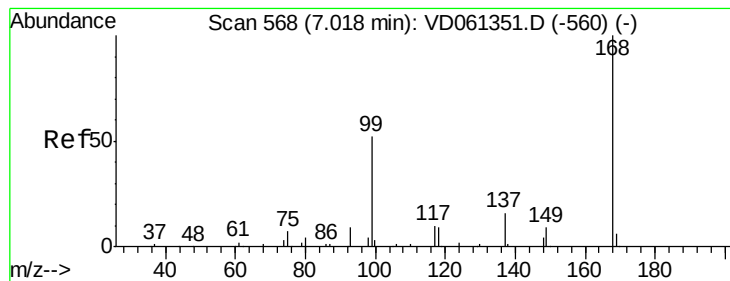
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	145812	25.961	ug/l	99
94) Hexachlorobutadiene	16.03	225	105270	23.986	ug/l	97
95) Naphthalene	16.12	128	203729	23.797	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	71515	28.936	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

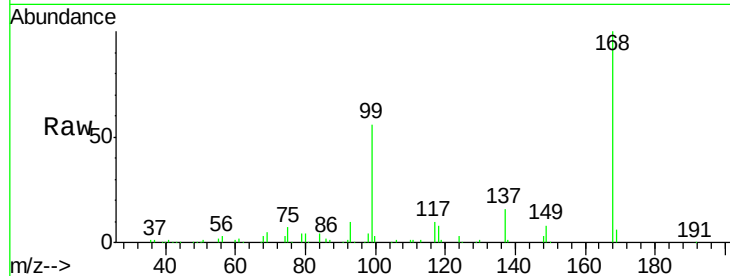
VD0402SBSD01

Tot Ion:168 Resp: 655371

Ion Ratio Lower Upper

168 100

99 55.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

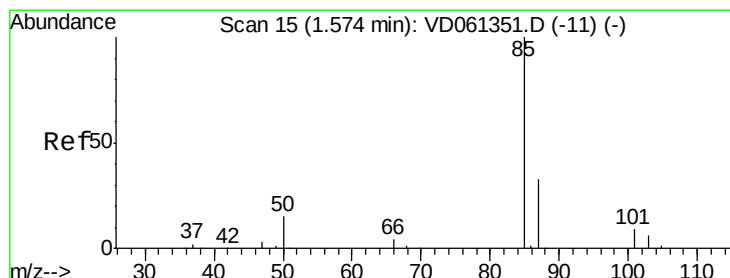
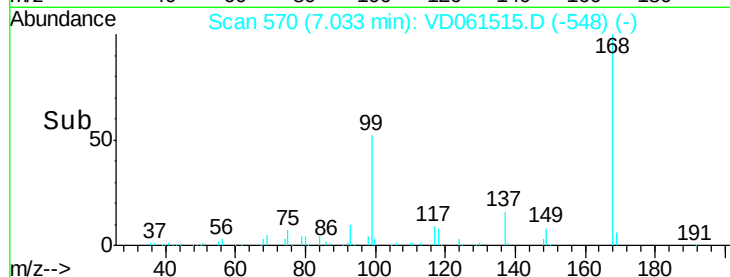
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.494 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061515.D

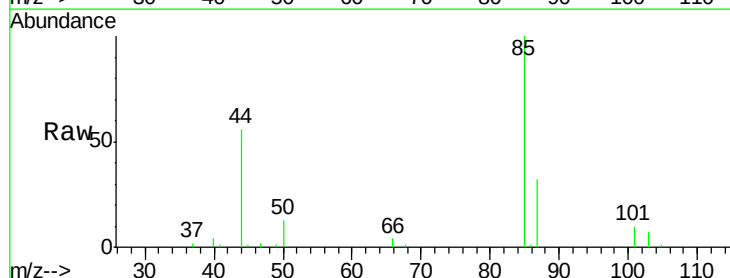
Acq: 2 Apr 2019 15:38

Tgt Ion: 85 Resp: 150435

Ion Ratio Lower Upper

85 100

87 32.1 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

60000

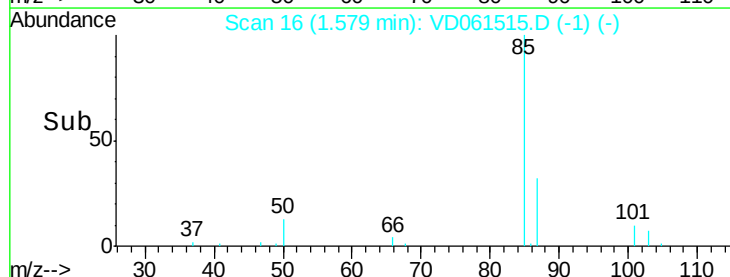
40000

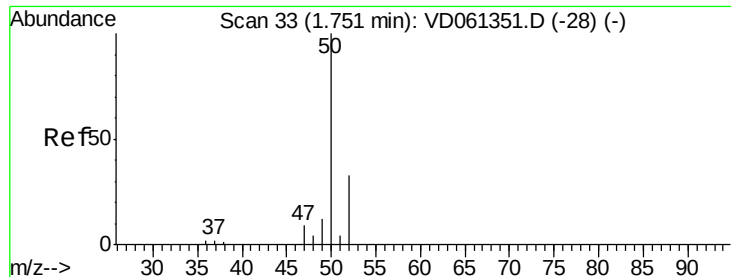
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.199 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

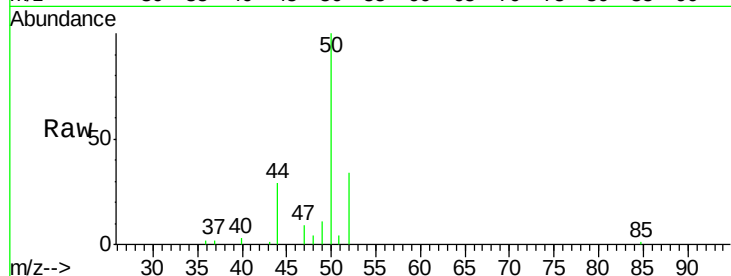
VD0402SBSD01

Tot Ion: 50 Resp: 121009

Ion Ratio Lower Upper

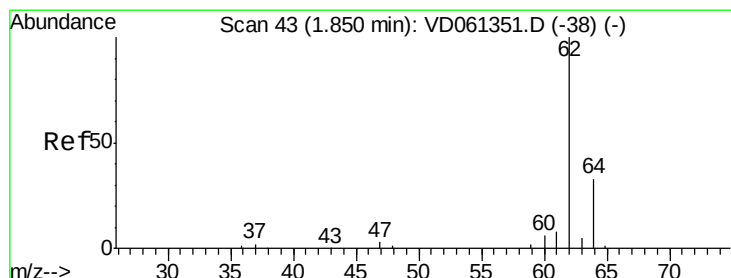
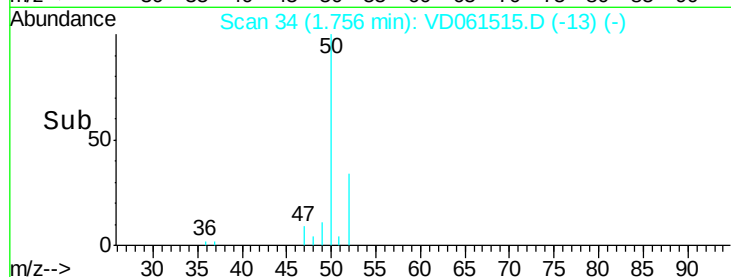
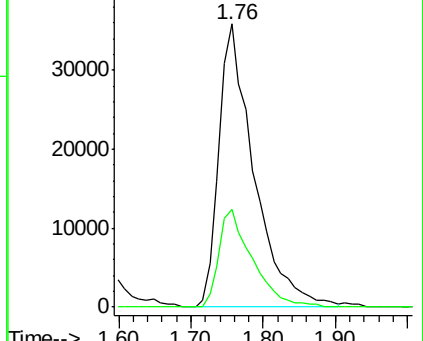
50 100

52 34.5 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: 22.086 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061515.D

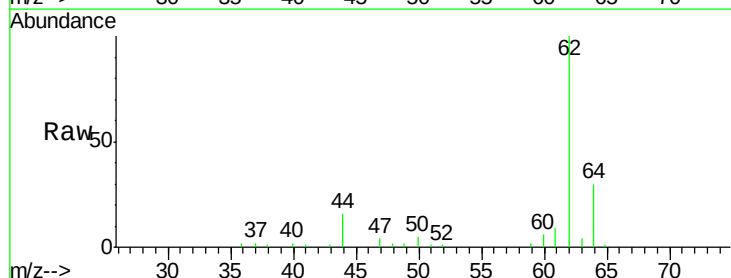
Acq: 2 Apr 2019 15:38

Tgt Ion: 62 Resp: 115754

Ion Ratio Lower Upper

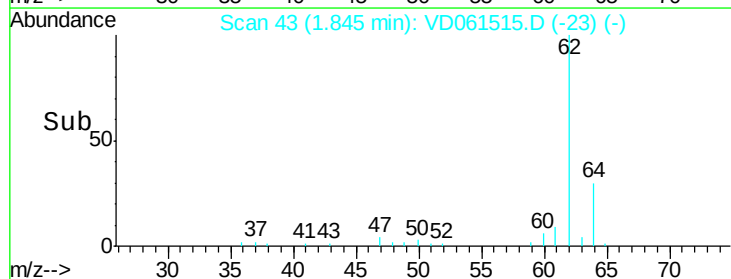
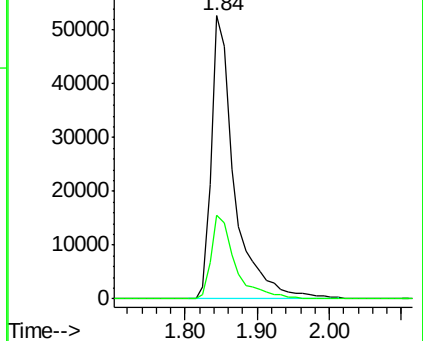
62 100

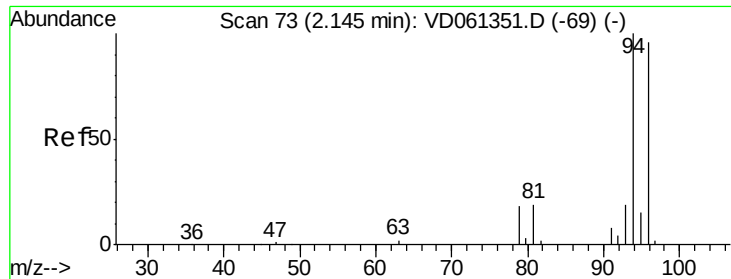
64 29.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.709 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

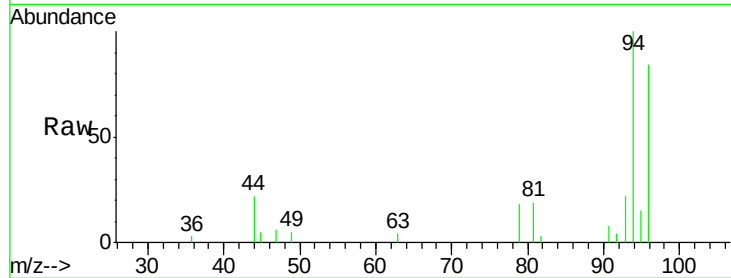
Tot Ion: 94 Resp: 19444

Ion Ratio Lower Upper

94 100

96 83.6 78.3 117.5

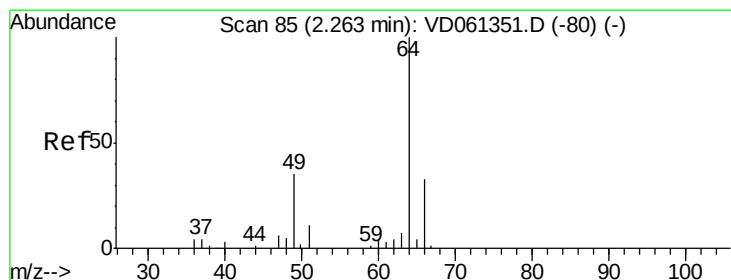
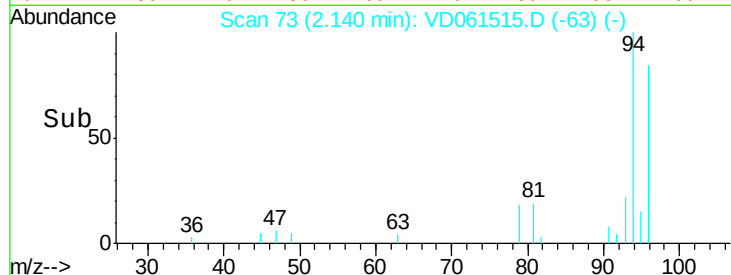
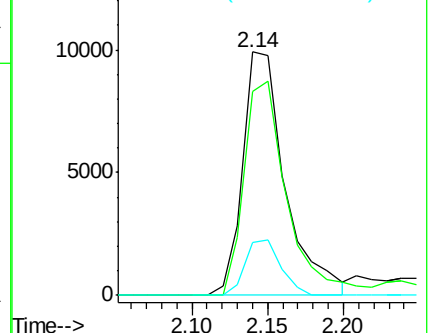
93 21.8 15.6 23.4



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: 19.289 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061515.D

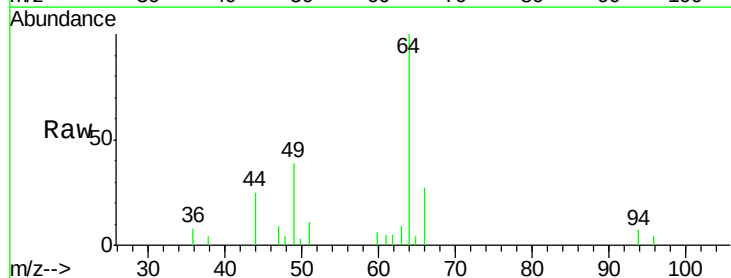
Acq: 2 Apr 2019 15:38

Tgt Ion: 64 Resp: 29647

Ion Ratio Lower Upper

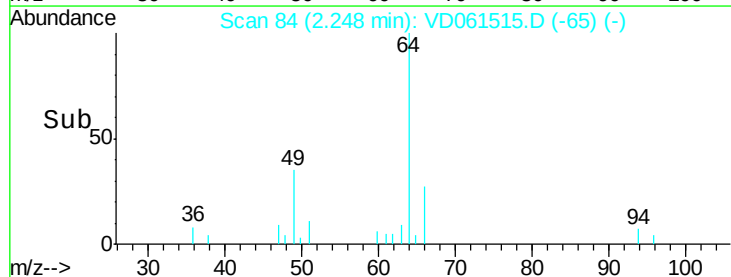
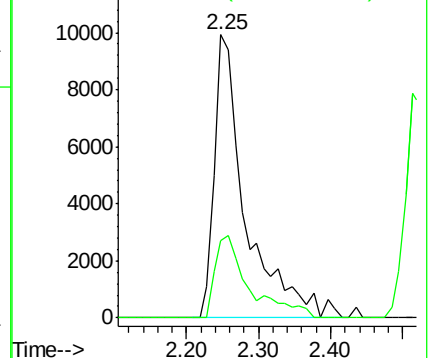
64 100

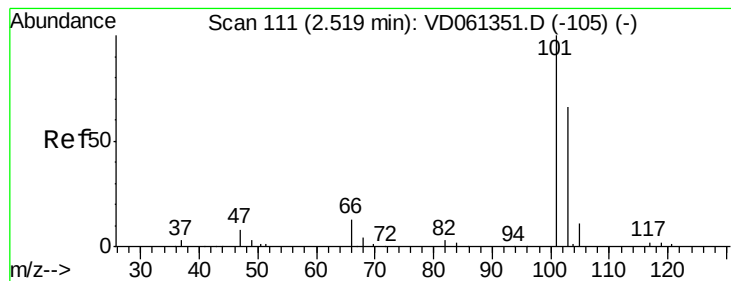
66 27.4 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



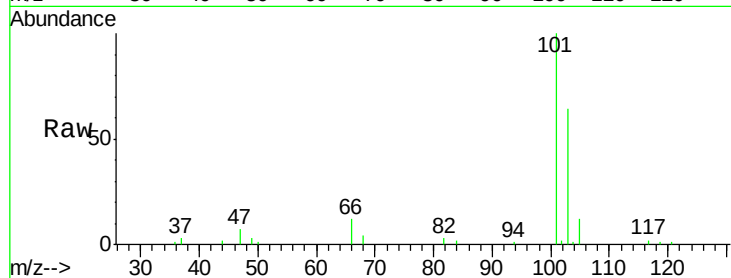


#7

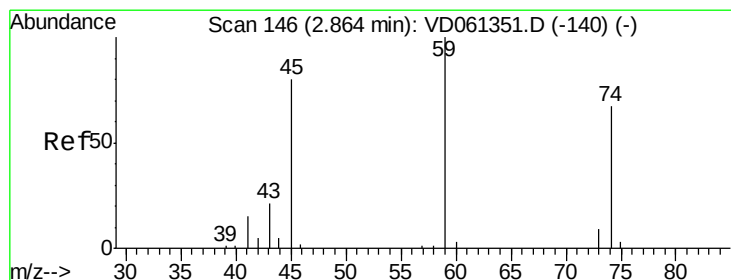
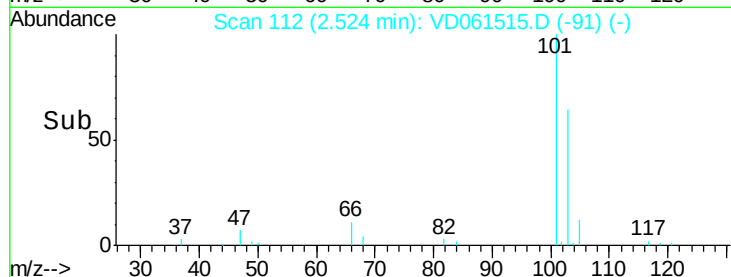
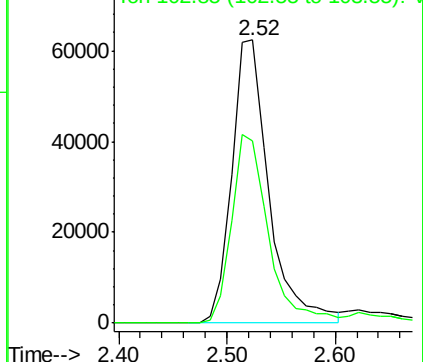
Trichlorofluoromethane
 Concen: 19.608 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Instrument :
 MSVOA_D
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 VD0402SBSD01

Tot Ion:101 Resp: 149439
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.1 79.7



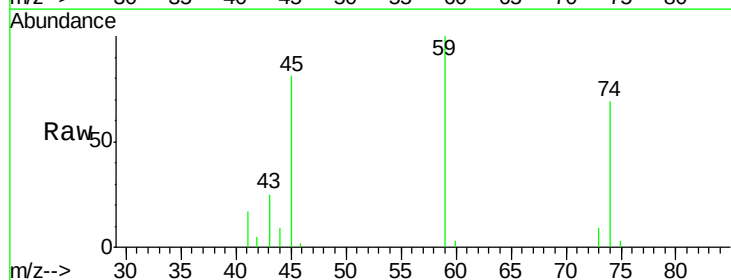
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



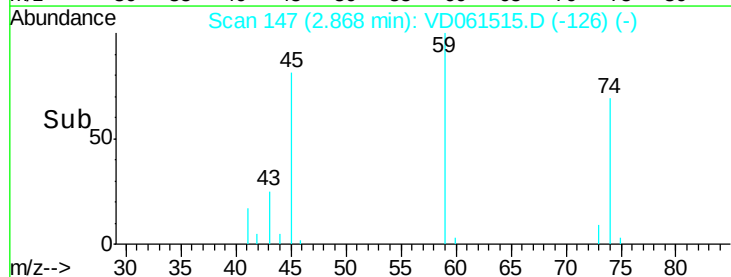
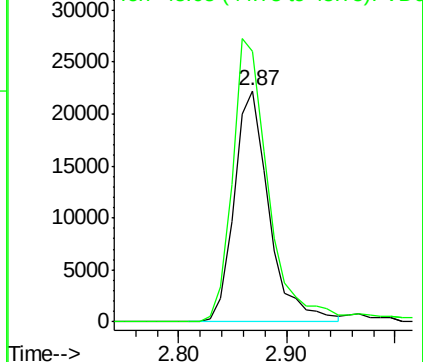
#8

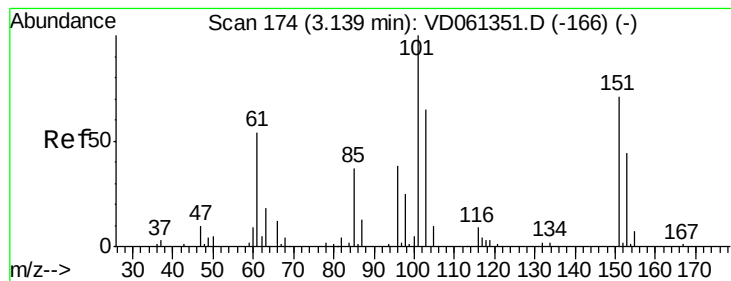
Diethyl Ether
 Concen: 20.280 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion: 74 Resp: 49763
 Ion Ratio Lower Upper
 74 100
 45 116.9 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.389 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

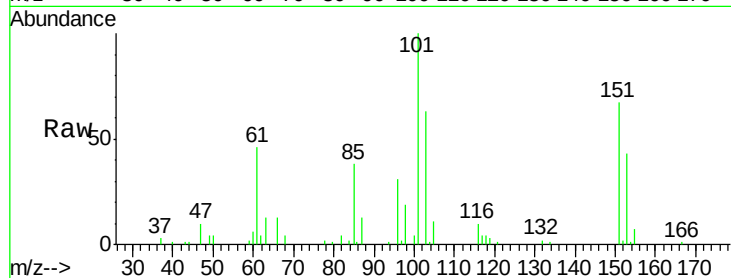
Tot Ion:101 Resp: 175247

Ion Ratio Lower Upper

101 100

85 38.3 29.4 44.0

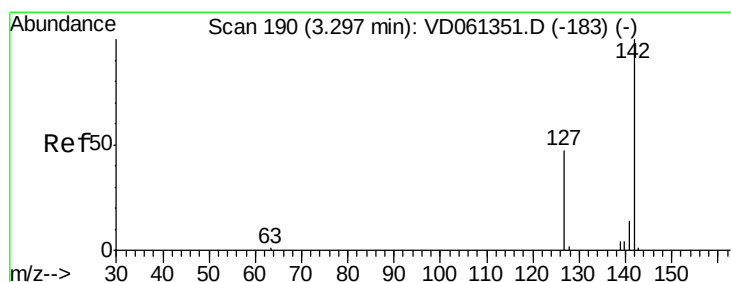
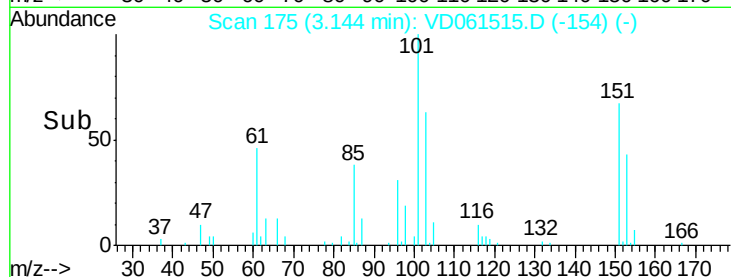
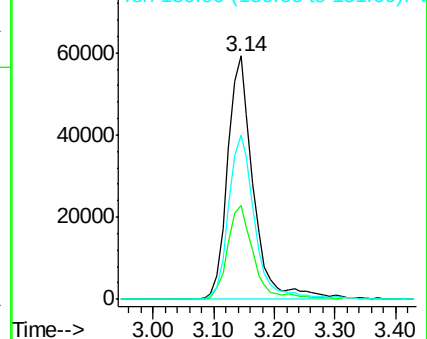
151 67.4 57.0 85.4



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: 19.997 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

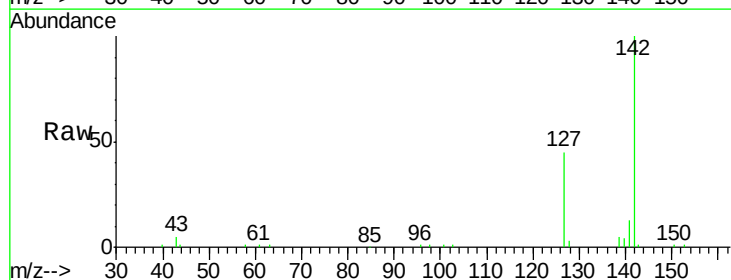
Tgt Ion:142 Resp: 221254

Ion Ratio Lower Upper

142 100

127 45.2 37.7 56.5

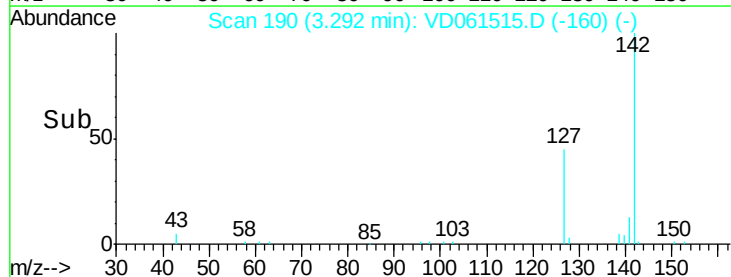
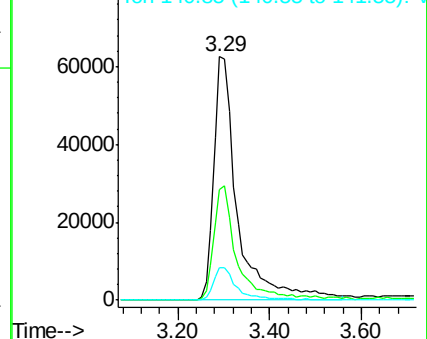
141 13.3 11.5 17.3

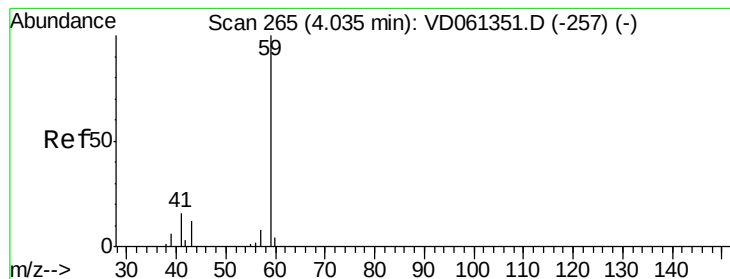


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



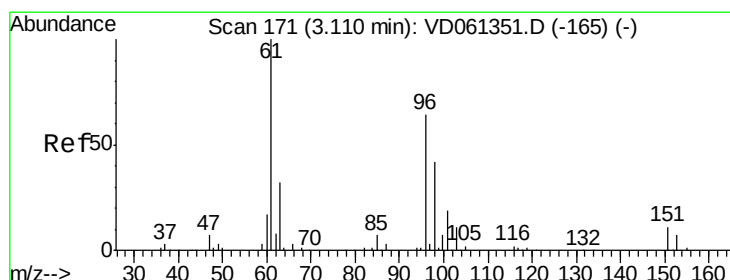
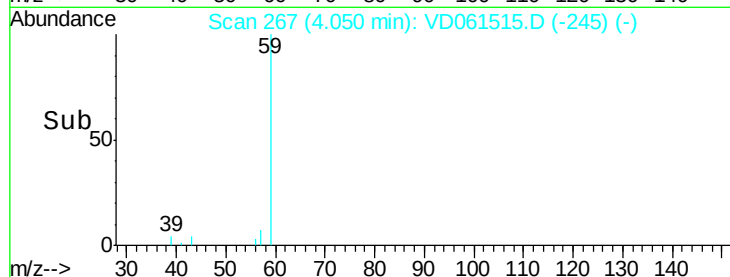
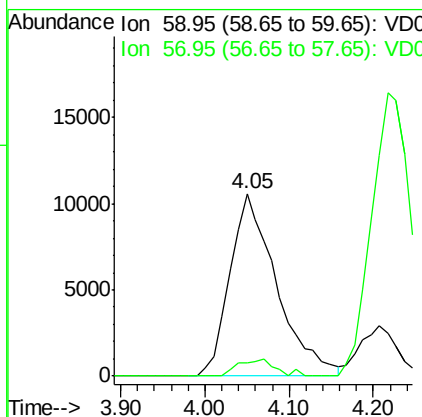
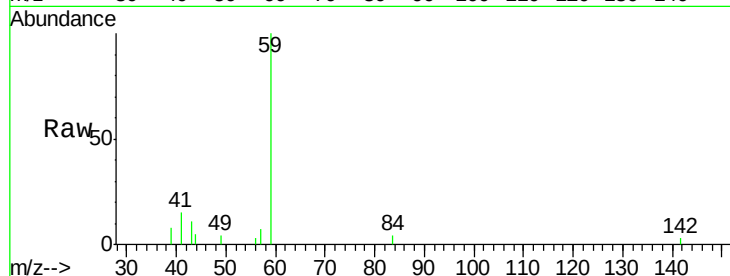


#11

Tert butyl alcohol
Concen: 117.030 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

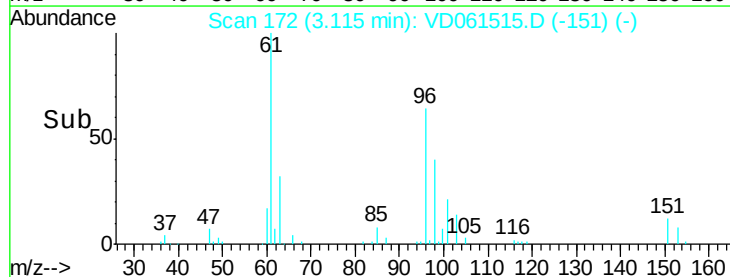
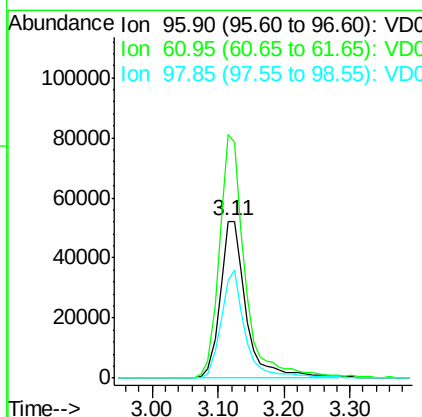
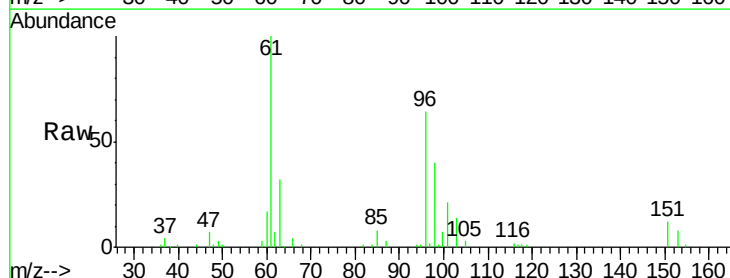
Tot Ion: 59 Resp: 40803
Ion Ratio Lower Upper
59 100
57 7.4 6.7 10.1

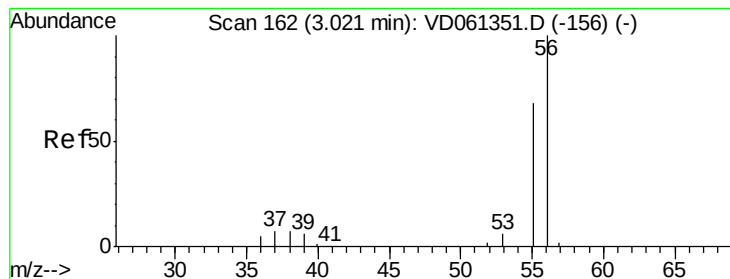


#12

1,1-Dichloroethene
Concen: 20.277 ug/l
RT: 3.11 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 96 Resp: 142640
Ion Ratio Lower Upper
96 100
61 155.3 124.9 187.3
98 62.4 52.5 78.7





#13

Acrolein

Concen: 79.828 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

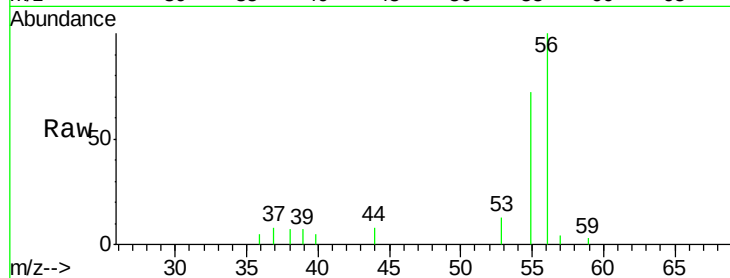
VD0402SBS01

Tot Ion: 56 Resp: 25349

Ion Ratio Lower Upper

56 100

55 71.7 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

6000

4000

2000

0

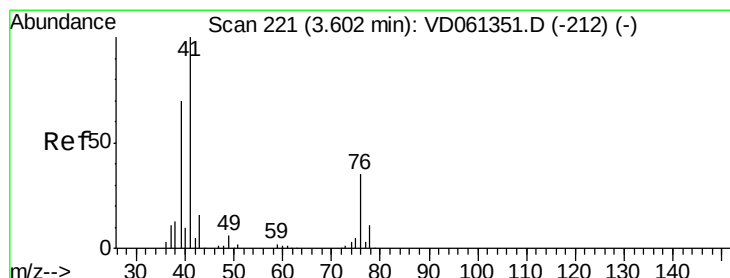
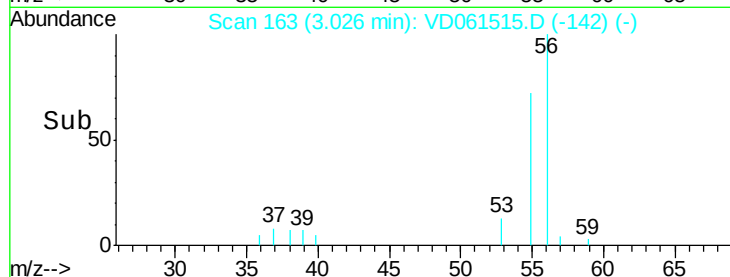
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 20.946 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

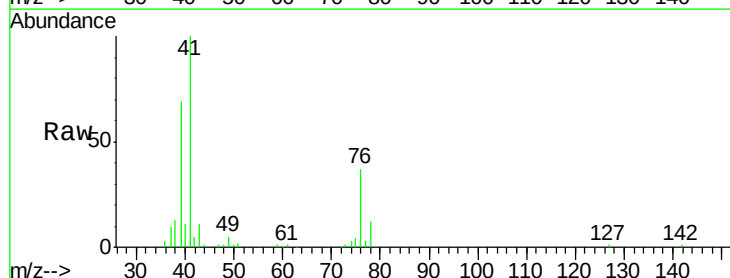
Tgt Ion: 41 Resp: 205513

Ion Ratio Lower Upper

41 100

39 68.9 55.6 83.4

76 36.7 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

80000

60000

40000

20000

0

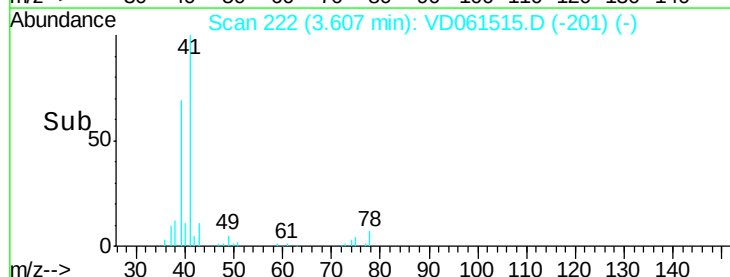
Time-->

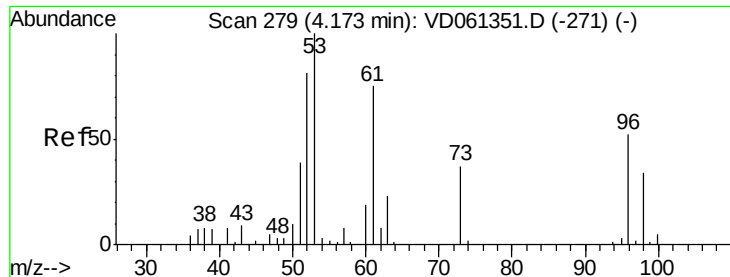
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 118.713 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

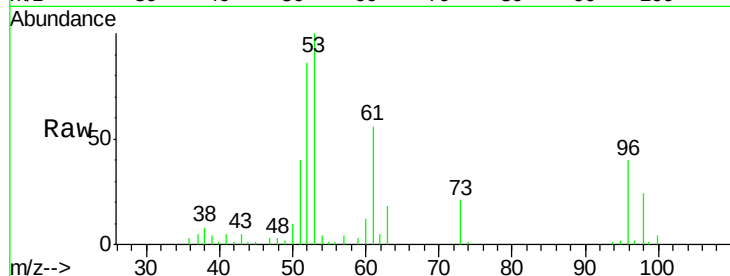
Tot Ion: 53 Resp: 143655

Ion Ratio Lower Upper

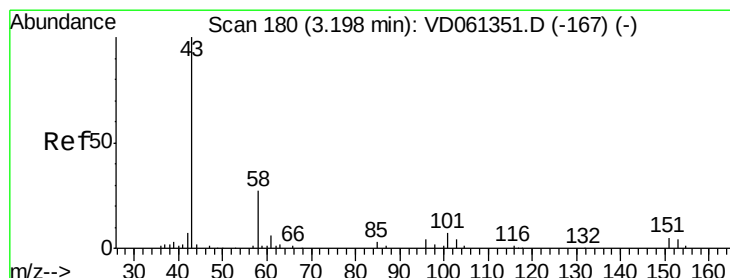
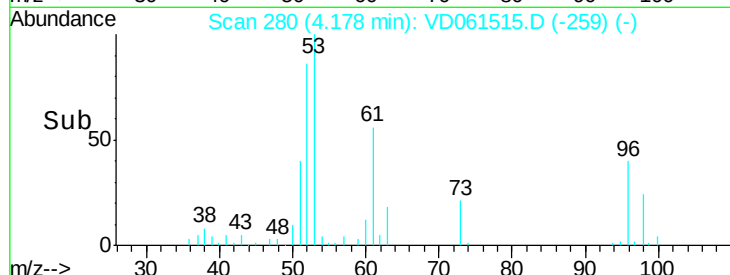
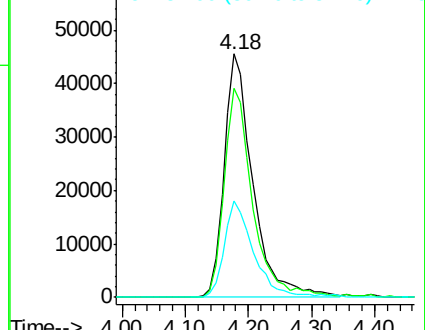
53 100

52 86.0 64.8 97.2

51 39.7 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: 101.930 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061515.D

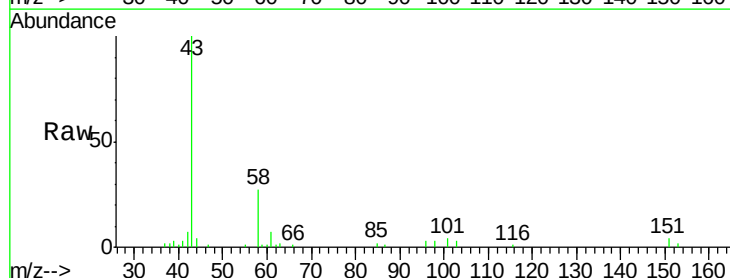
Acq: 2 Apr 2019 15:38

Tgt Ion: 43 Resp: 146695

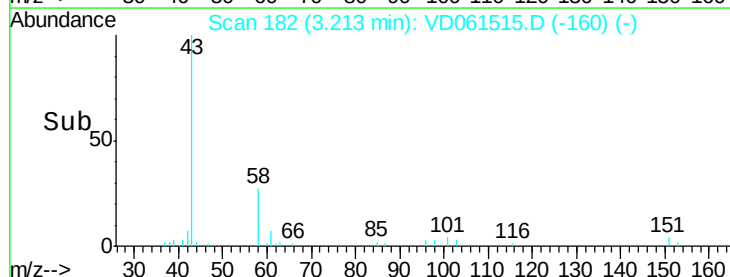
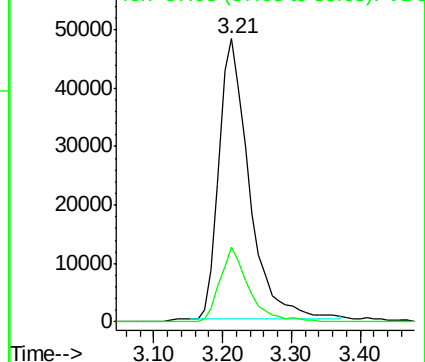
Ion Ratio Lower Upper

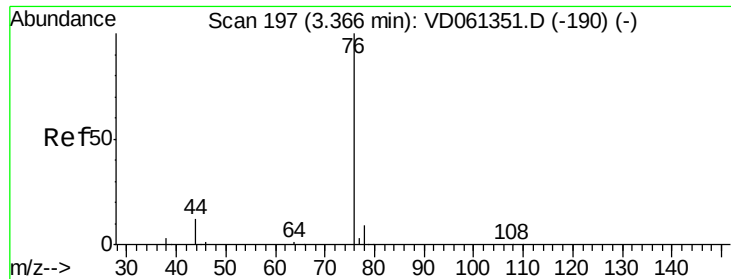
43 100

58 26.6 21.5 32.3



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

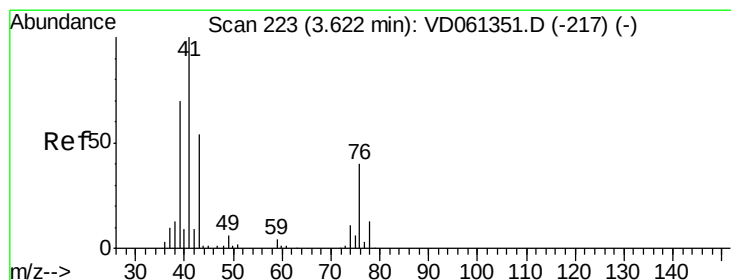
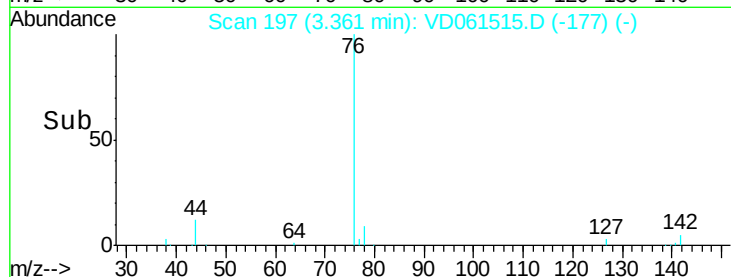
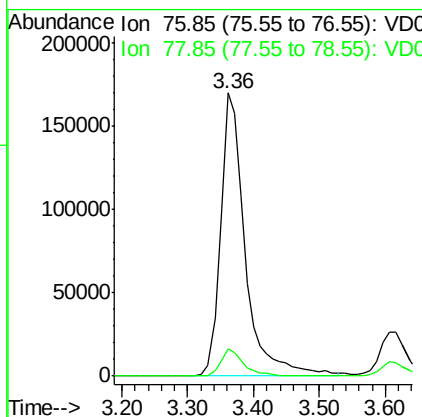
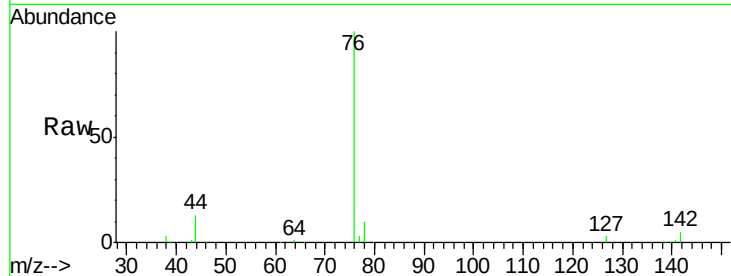




#17
Carbon Disulfide
Concen: 19.310 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

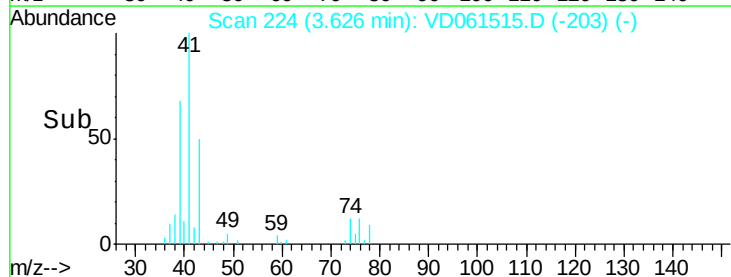
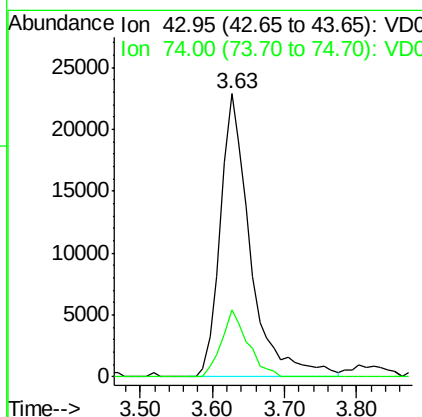
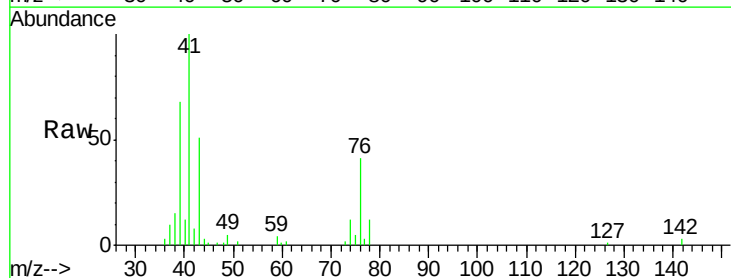
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

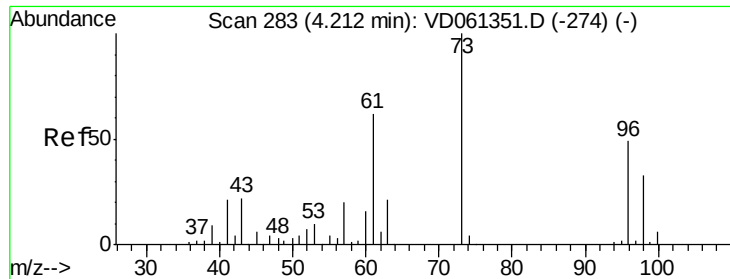
Tot Ion: 76 Resp: 441329
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 21.794 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 43 Resp: 65948
Ion Ratio Lower Upper
43 100
74 23.8 16.7 25.1

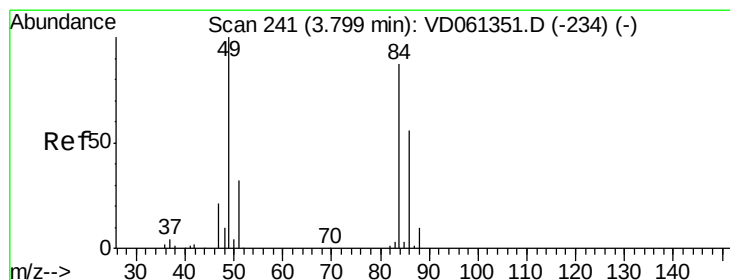
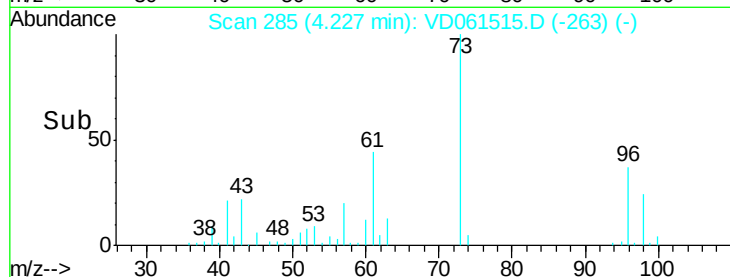
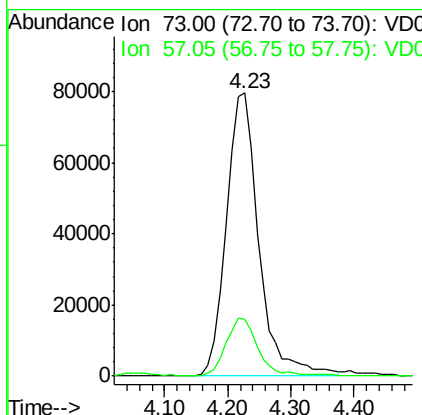
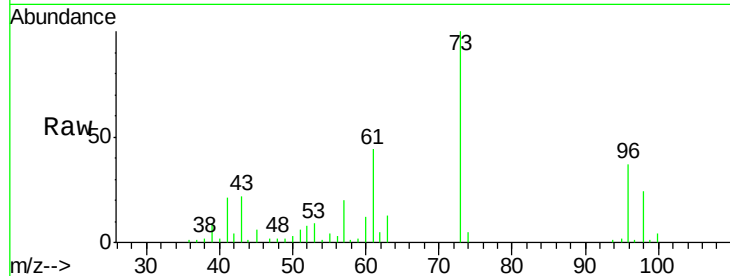




#19
Methyl tert-butyl Ether
Concen: 23.193 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

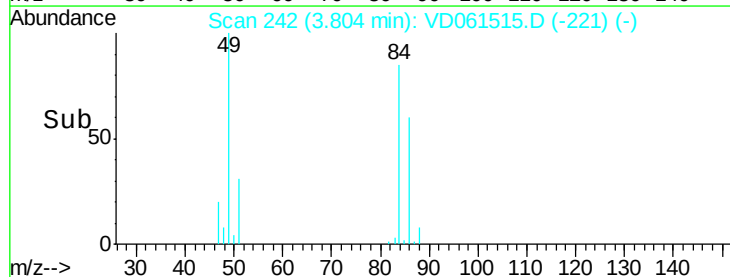
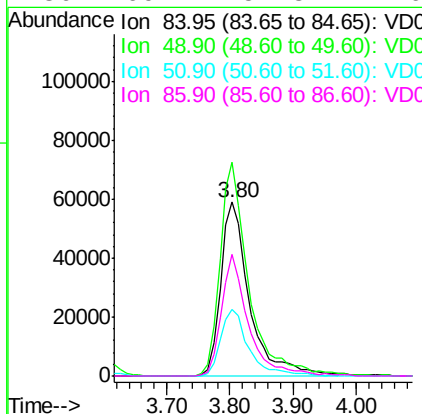
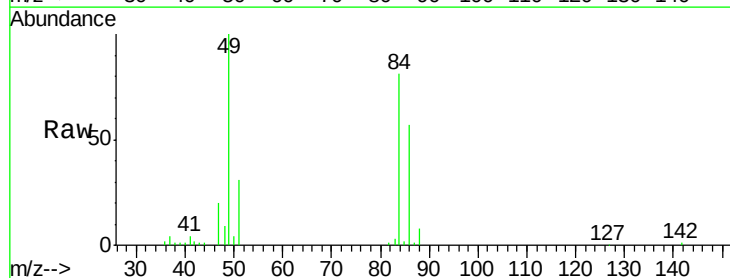
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

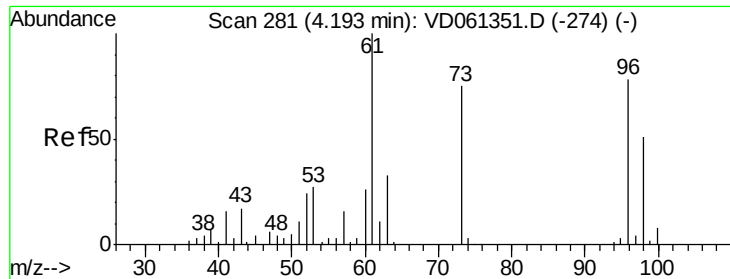
Tot Ion: 73 Resp: 282420
Ion Ratio Lower Upper
73 100
57 20.1 16.4 24.6



#20
Methylene Chloride
Concen: 22.165 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 84 Resp: 187316
Ion Ratio Lower Upper
84 100
49 122.8 91.8 137.8
51 38.1 29.8 44.8
86 69.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 23.347 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

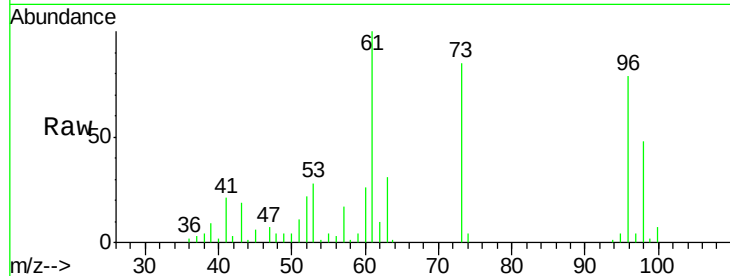
Tot Ion: 96 Resp: 177315

Ion Ratio Lower Upper

96 100

61 127.2 102.7 154.1

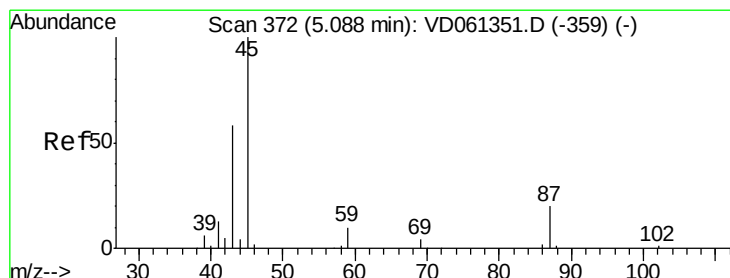
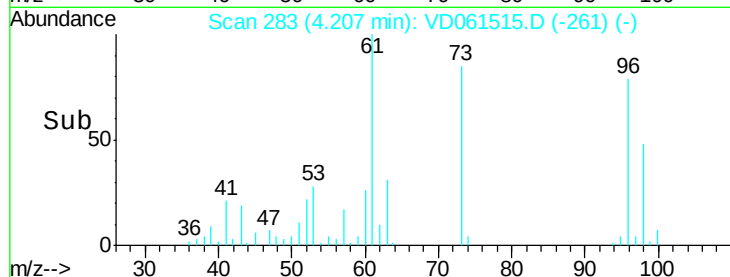
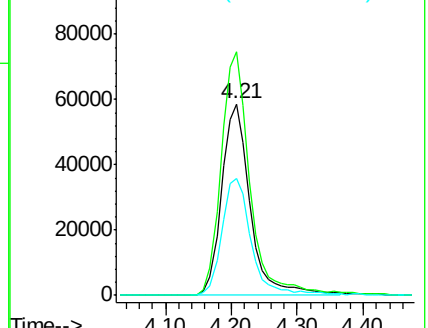
98 60.9 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.097 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Tgt Ion: 45 Resp: 479565

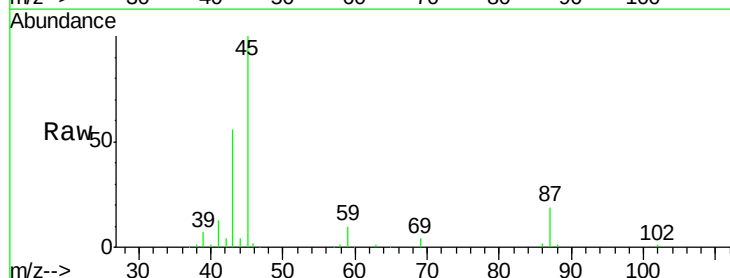
Ion Ratio Lower Upper

45 100

43 56.1 47.4 71.2

87 19.4 16.3 24.5

59 10.2 8.4 12.6

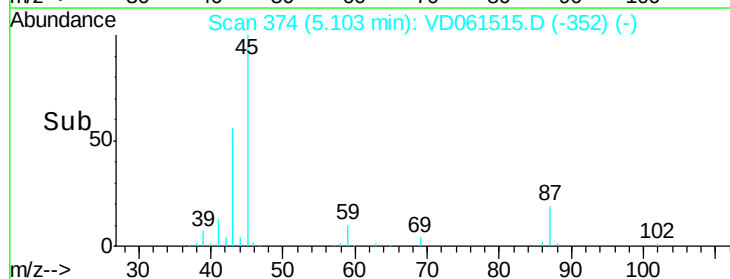
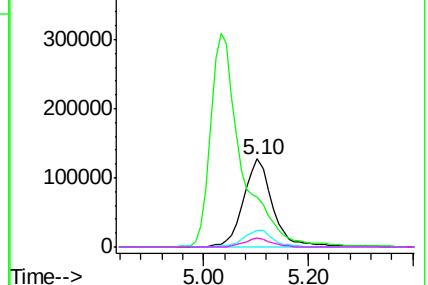


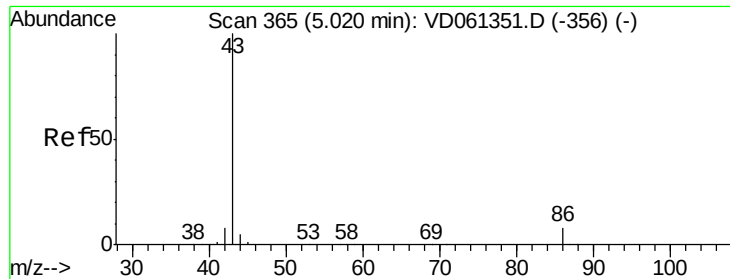
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 111.209 ug/l

RT: 5.03 min Scan# 367

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

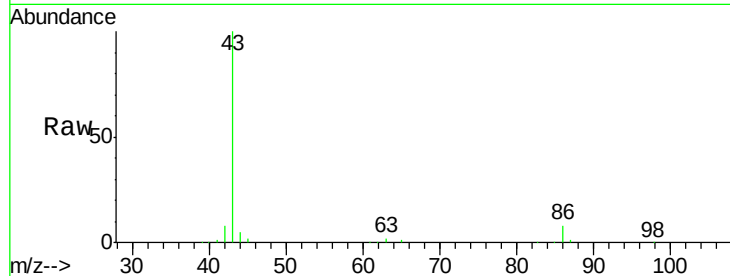
VD0402SBSD01

Tot Ion: 43 Resp: 1254234

Ion Ratio Lower Upper

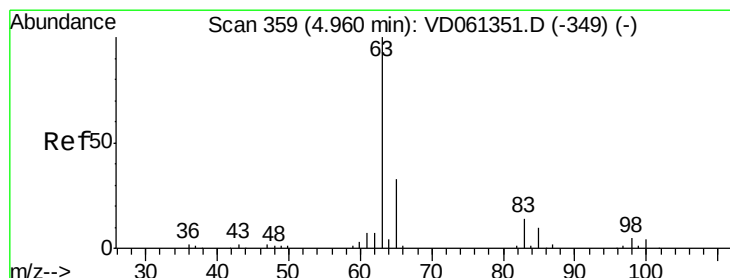
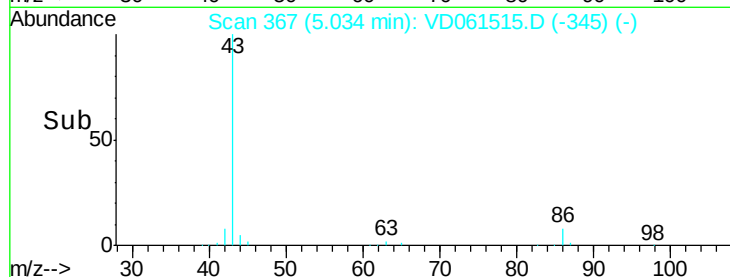
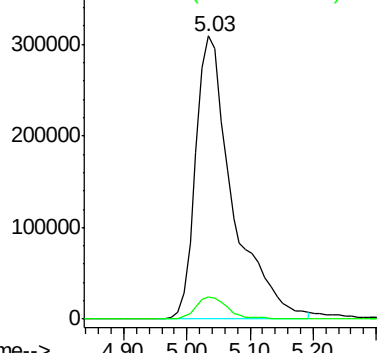
43 100

86 7.8 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.329 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

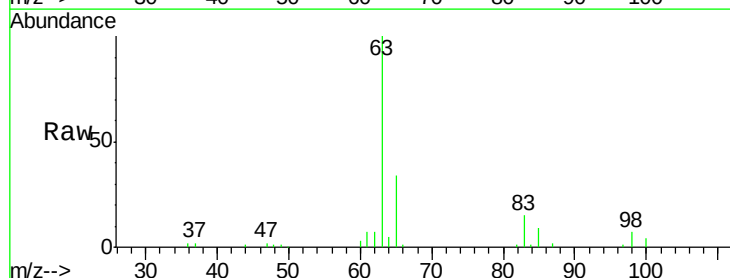
Tgt Ion: 63 Resp: 260258

Ion Ratio Lower Upper

63 100

98 6.7 2.6 8.0

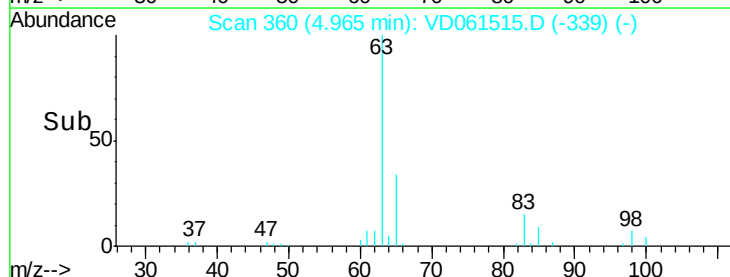
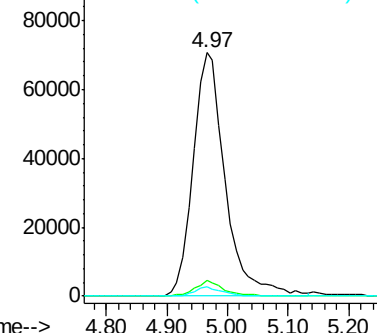
100 4.0 1.8 5.3

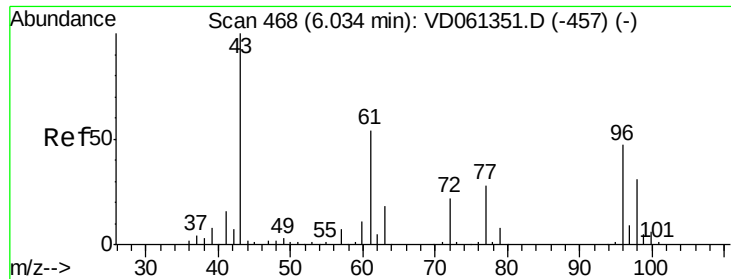


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 110.708 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

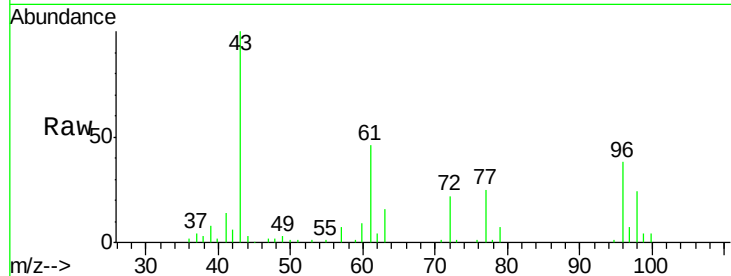
VD0402SBS01

Tot Ion: 43 Resp: 200421

Ion Ratio Lower Upper

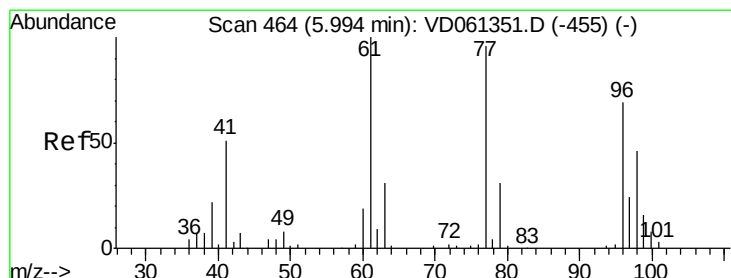
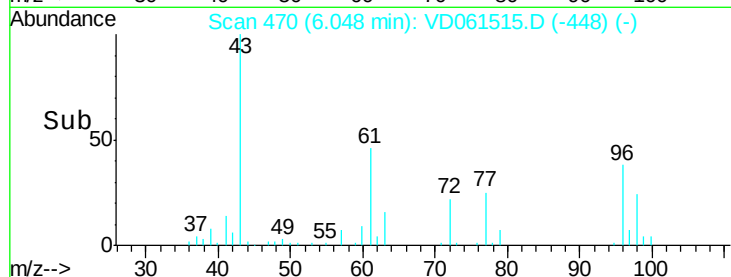
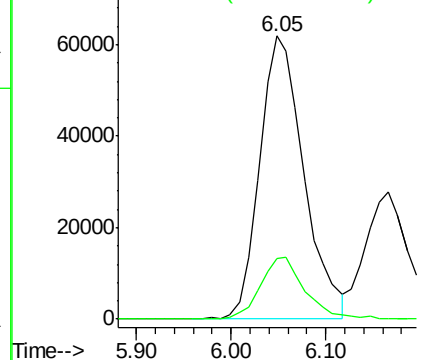
43 100

72 21.7 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.651 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD061515.D

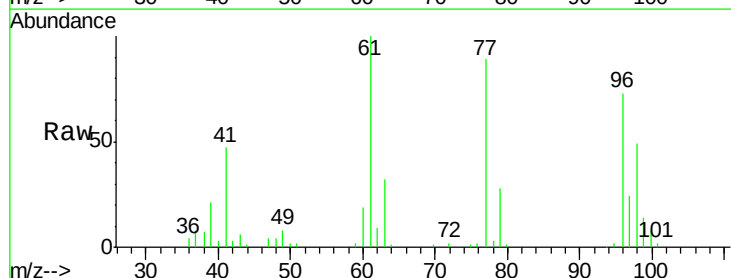
Acq: 2 Apr 2019 15:38

Tgt Ion: 77 Resp: 219715

Ion Ratio Lower Upper

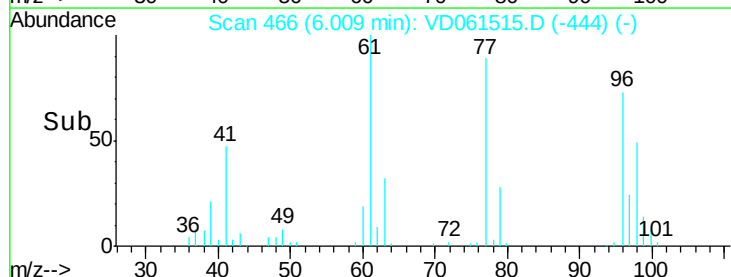
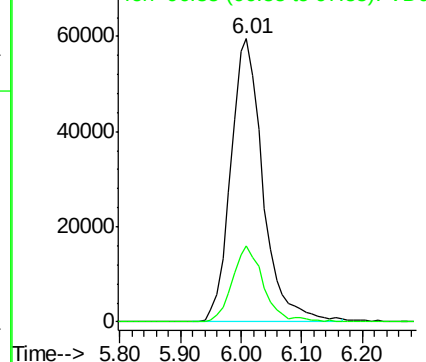
77 100

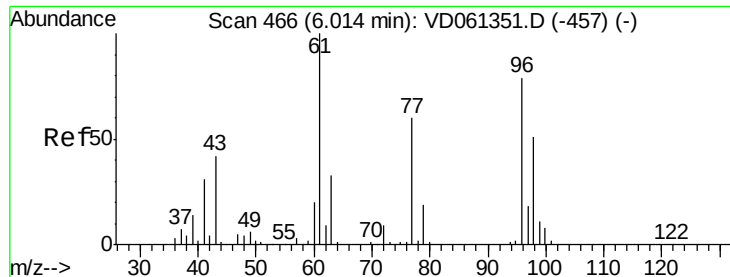
97 26.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

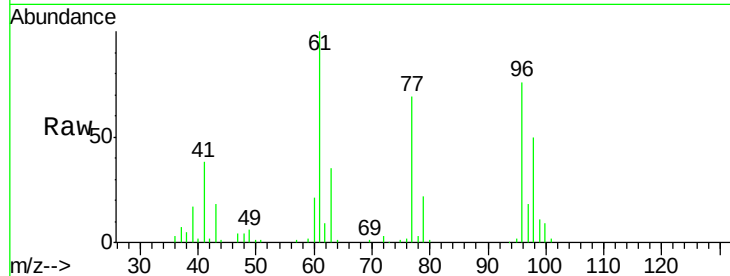




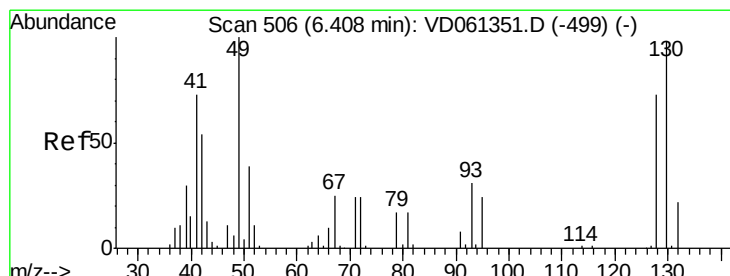
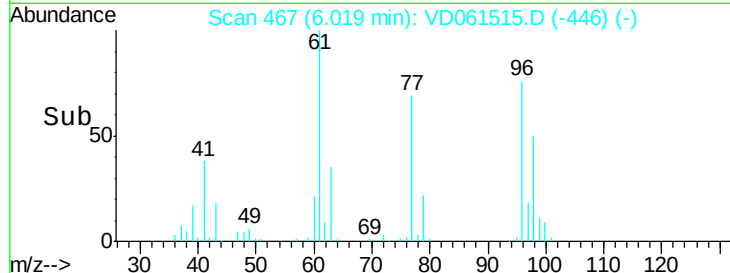
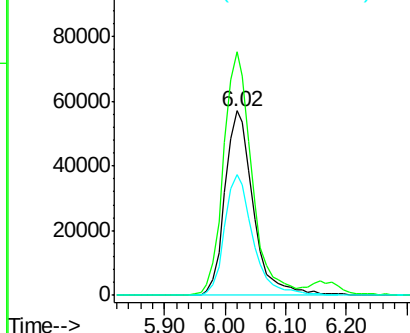
#27
 cis-1,2-Dichloroethene
 Concen: 22.346 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

Tot Ion: 96 Resp: 185946
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 251.6
 98 65.7 0.0 129.2

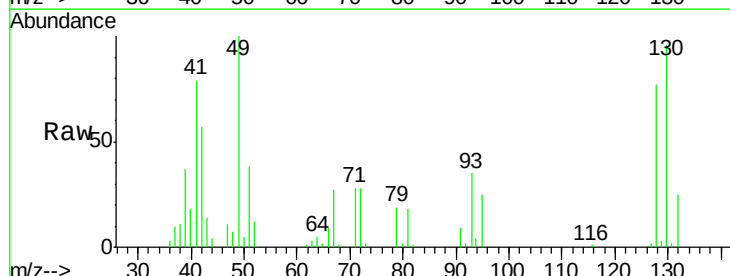


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

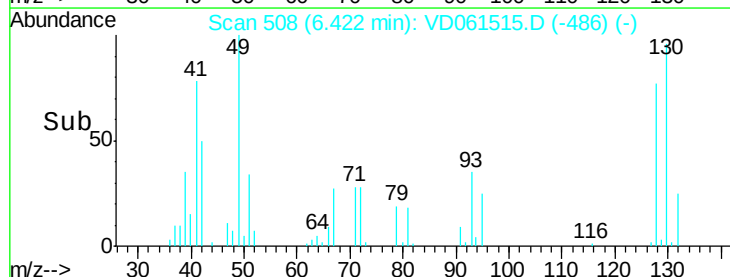
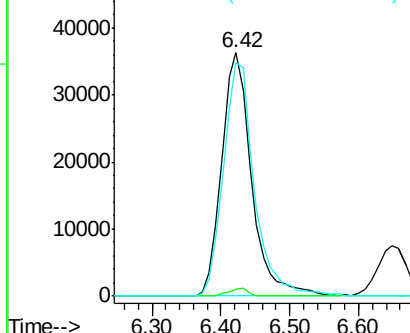


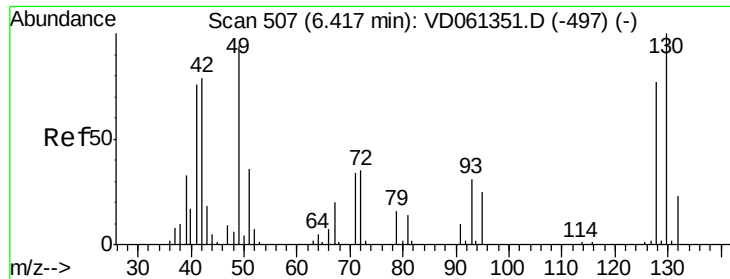
#28
 Bromochloromethane
 Concen: 22.197 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion: 49 Resp: 109334
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 0.0#
 130 95.7 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

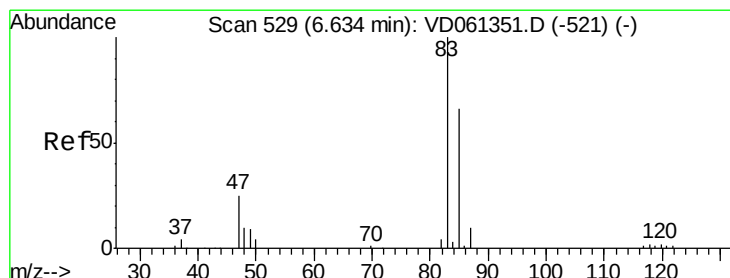
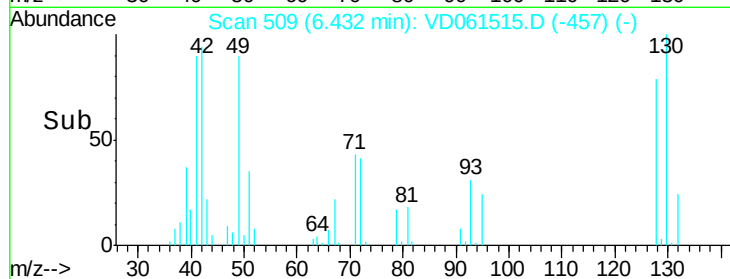
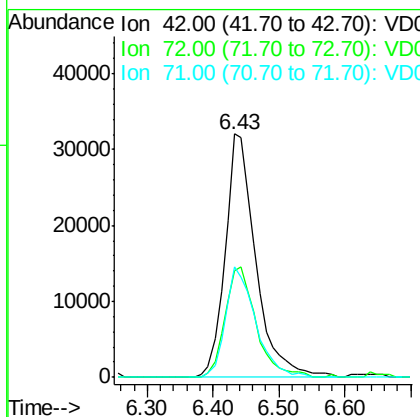
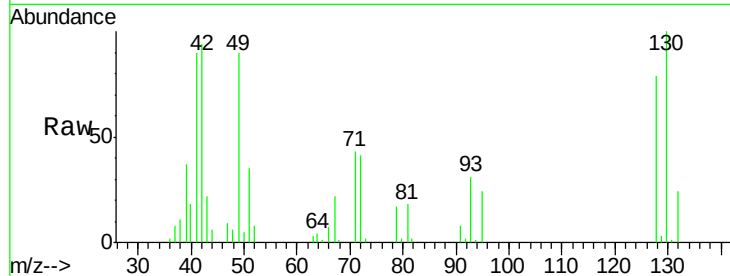




#29
Tetrahydrofuran
Concen: 118.824 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

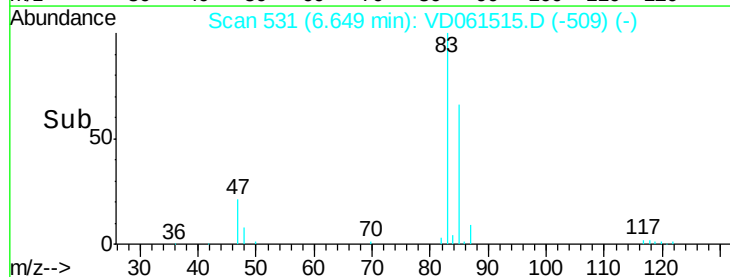
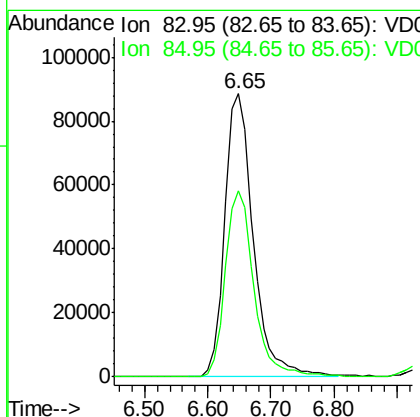
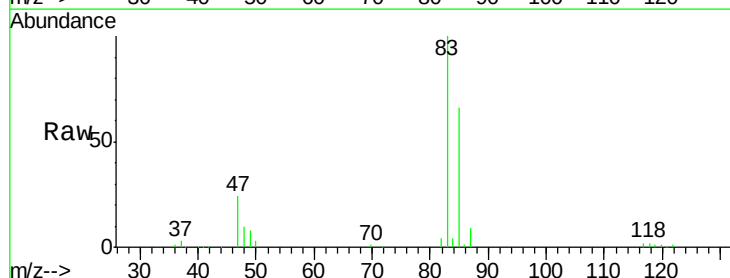
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

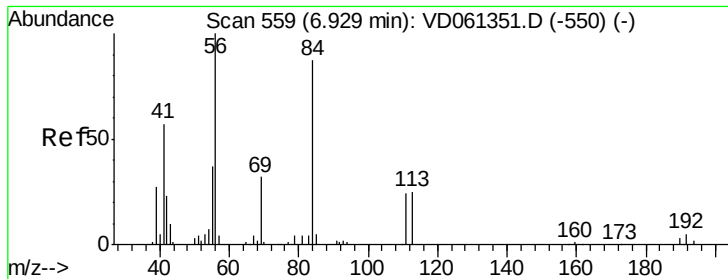
Tot Ion: 42 Resp: 104264
Ion Ratio Lower Upper
42 100
72 46.0 37.4 56.0
71 44.5 36.7 55.1



#30
Chloroform
Concen: 21.991 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 83 Resp: 277270
Ion Ratio Lower Upper
83 100
85 65.8 53.0 79.4

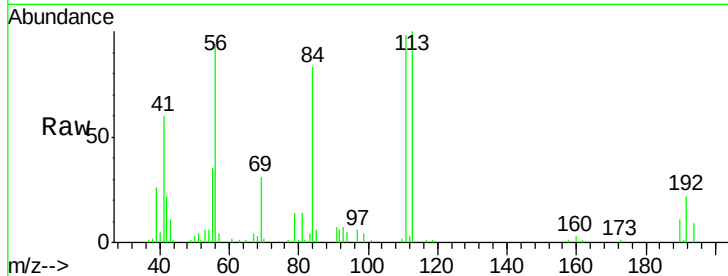




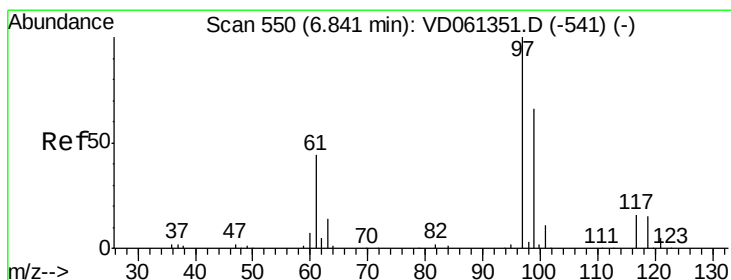
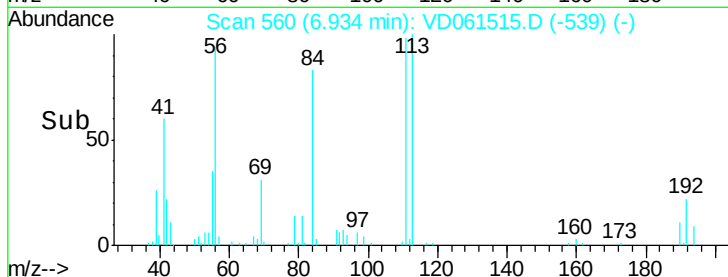
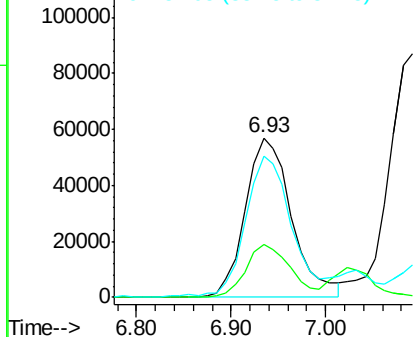
#31
Cyclohexane
Concen: 20.098 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

Tot Ion: 56 Resp: 193790
Ion Ratio Lower Upper
56 100
69 33.2 25.7 38.5
84 88.6 70.6 105.8

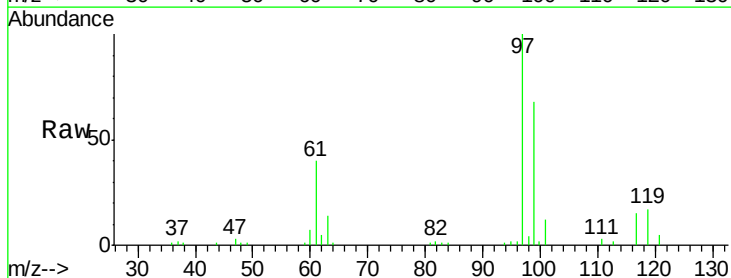


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

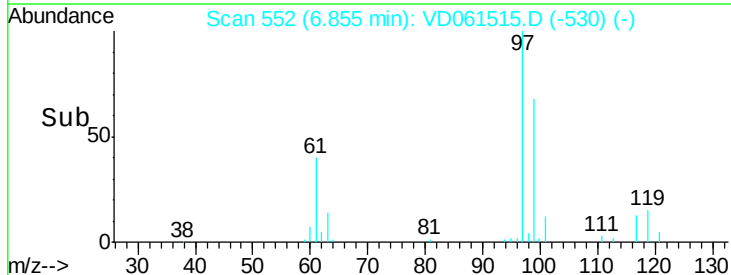
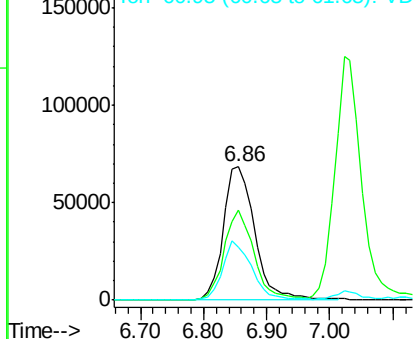


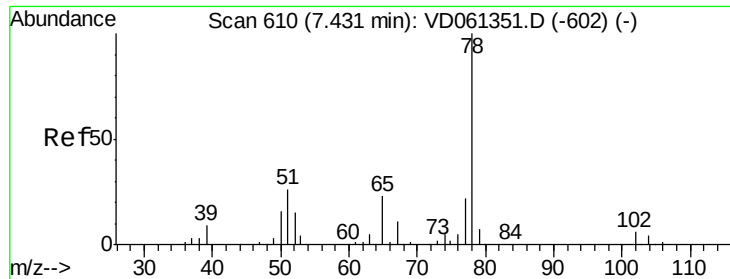
#32
1,1,1-Trichloroethane
Concen: 21.279 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 97 Resp: 236685
Ion Ratio Lower Upper
97 100
99 67.8 53.1 79.7
61 39.8 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

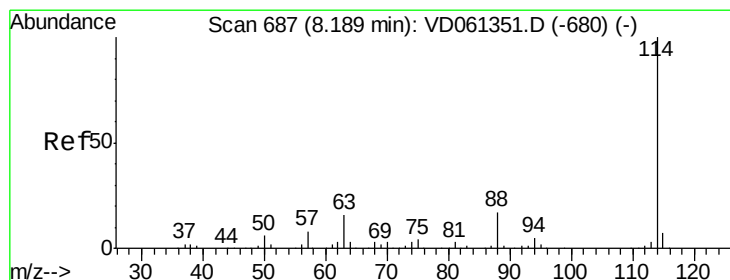
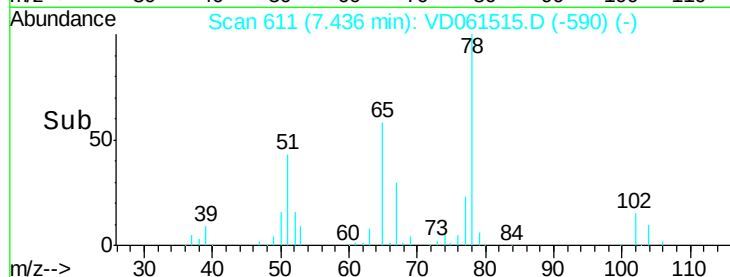
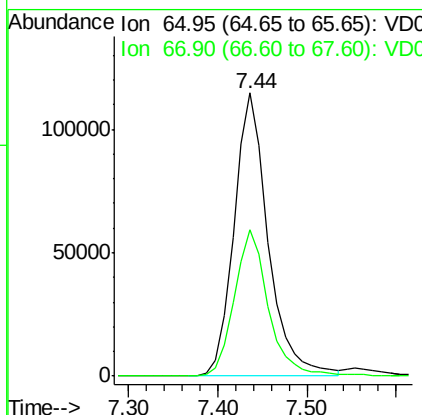
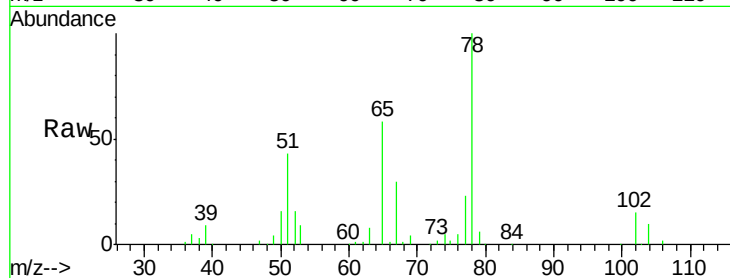




#33
 1,2-Dichloroethane-d4
 Concen: 21.279 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

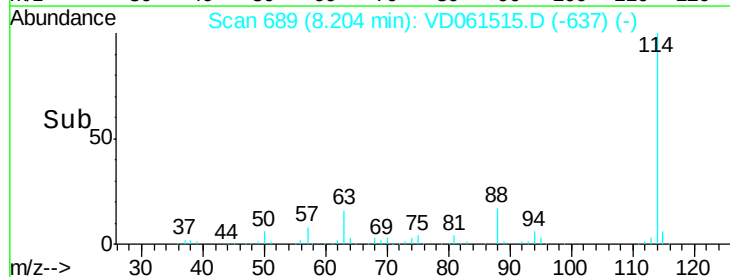
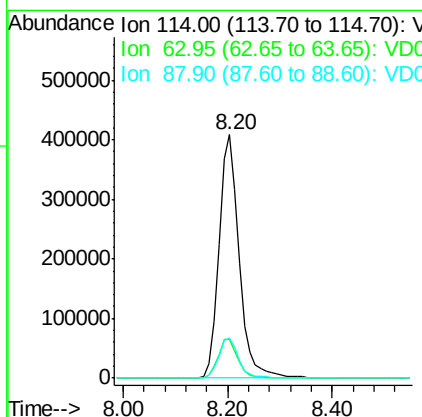
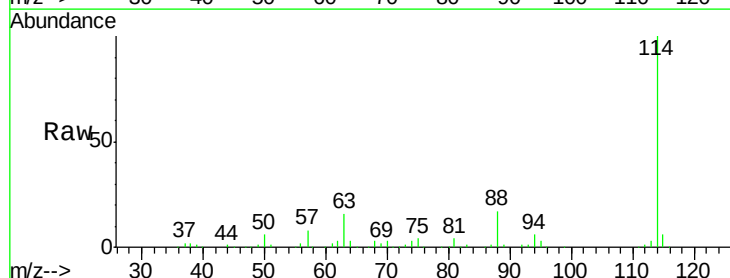
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

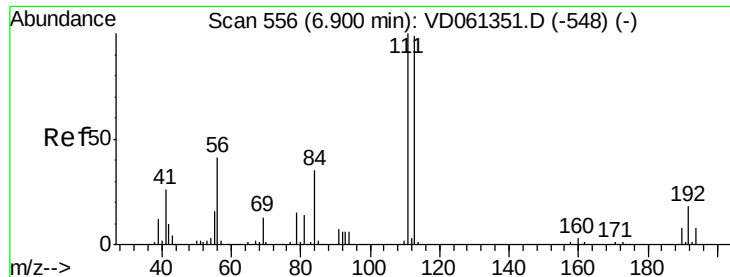
Tot Ion: 65 Resp: 305959
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion: 114 Resp: 1096125
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 16.6 0.0 33.4

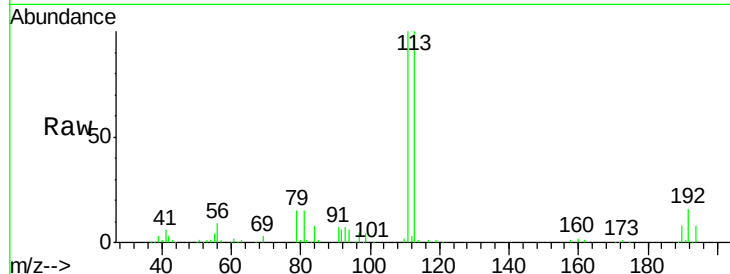




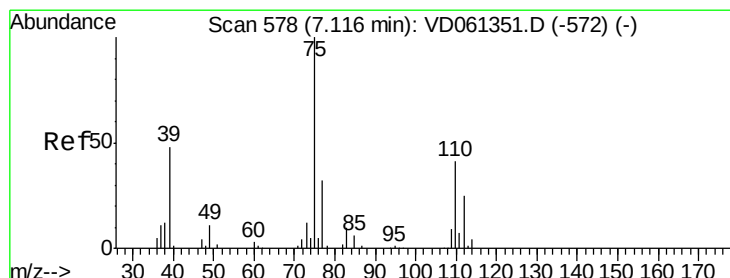
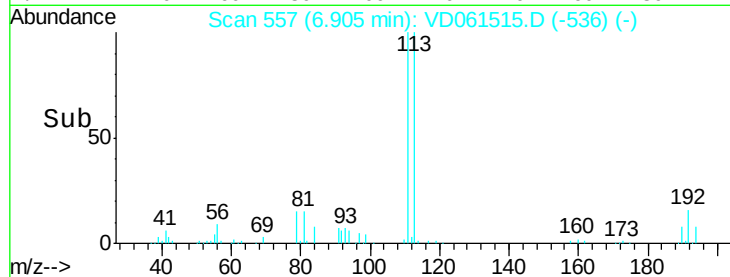
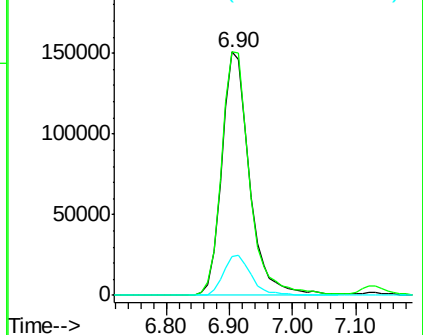
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.90 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.0	121.6
192	15.7	14.4	21.6

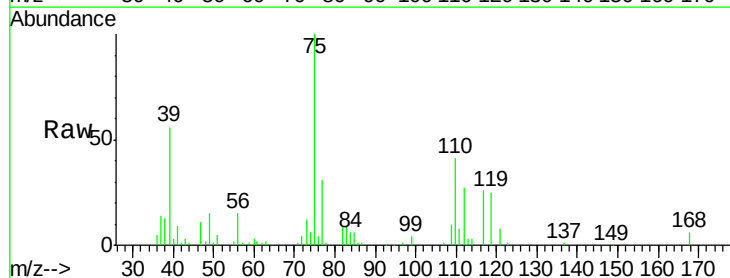


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

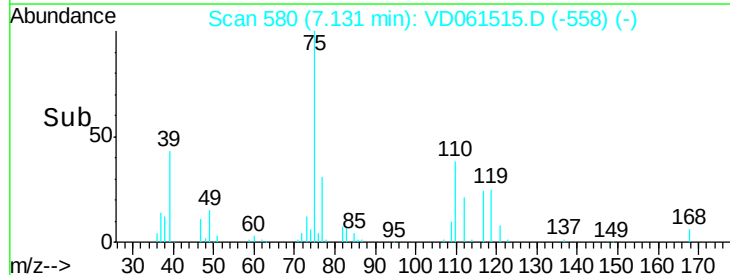
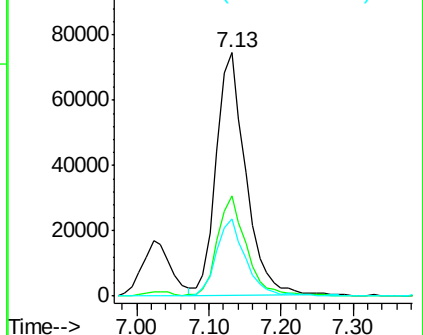


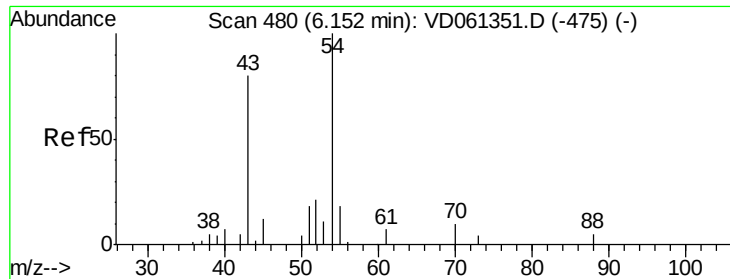
#36
1,1-Dichloropropene
Concen: 22.070 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.4	20.4	61.3
77	31.5	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

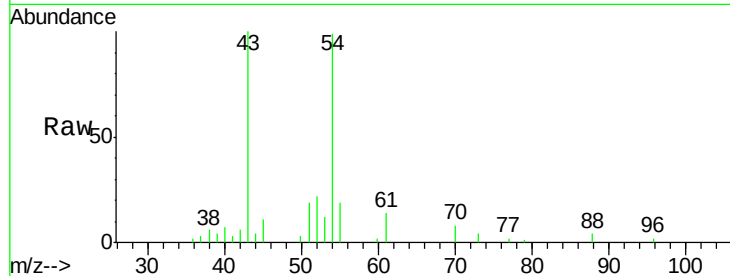




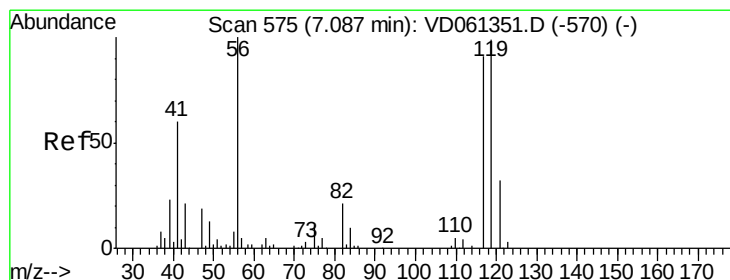
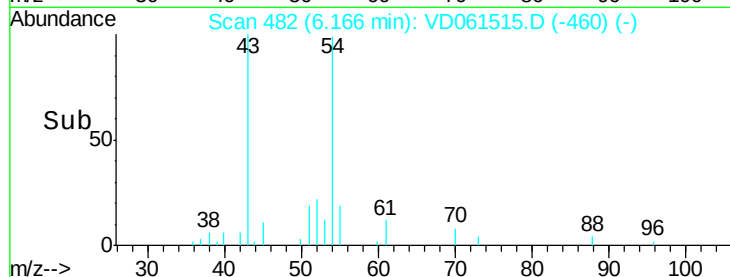
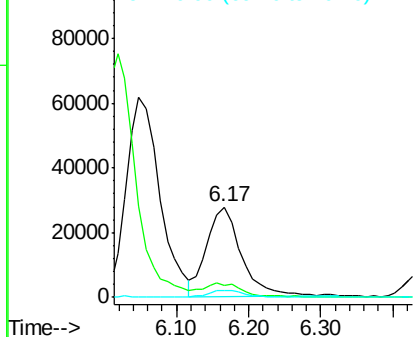
#37
Ethyl Acetate
Concen: 22.660 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Instrument :
MSVOA_D
ClientSampleID :
VD0402SBS01

Tot Ion: 43 Resp: 92713
Ion Ratio Lower Upper
43 100
61 13.6 13.8 20.8#
70 8.1 7.8 11.8

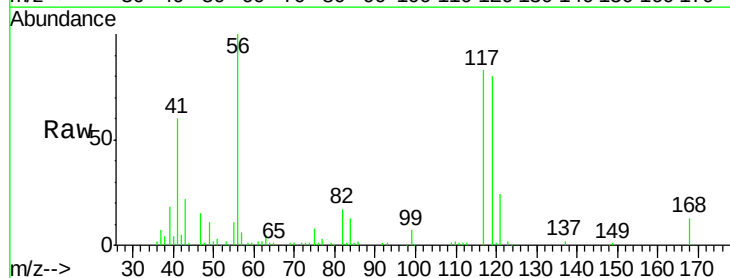


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

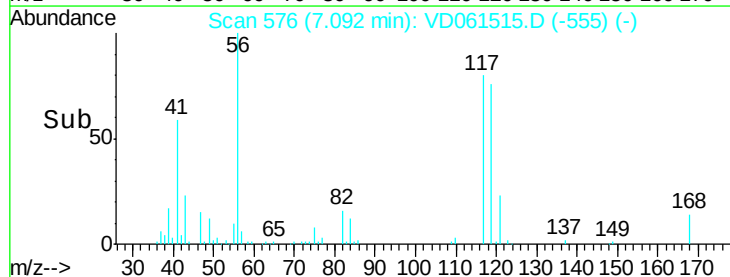
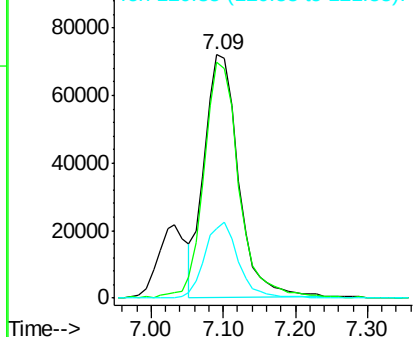


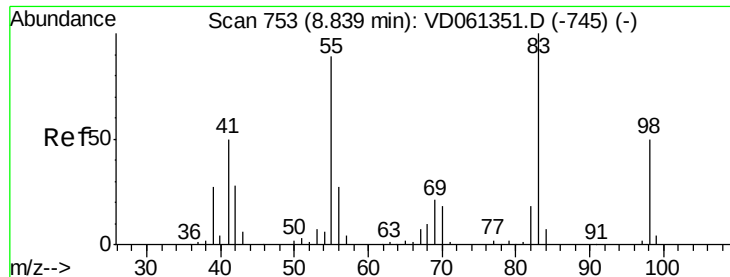
#38
Carbon Tetrachloride
Concen: 21.360 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 117 Resp: 234814
Ion Ratio Lower Upper
117 100
119 96.7 80.1 120.1
121 28.8 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

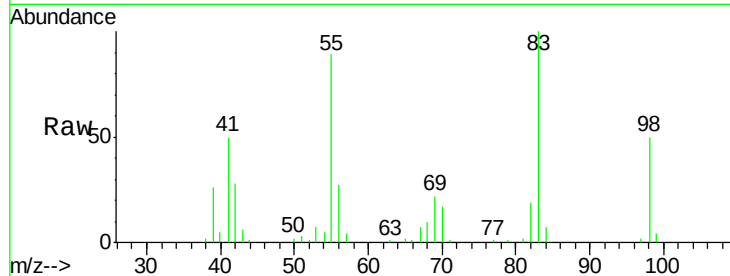




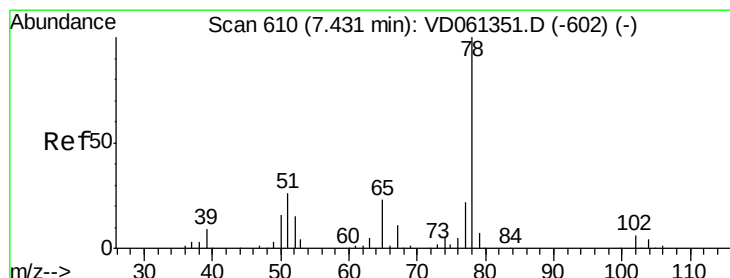
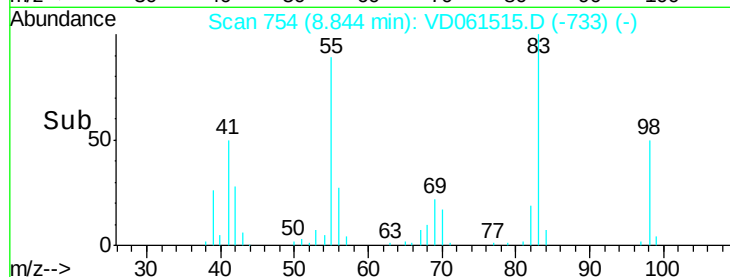
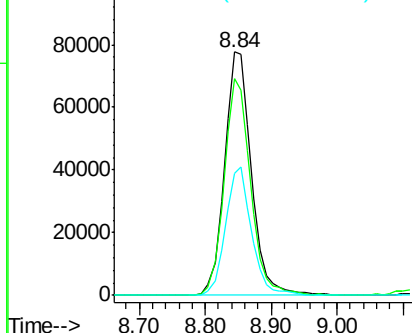
#39
Methylvlcyclohexane
Concen: 22.243 ug/l
RT: 8.84 min Scan# 754
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

Tot Ion: 83 Resp: 221617
Ion Ratio Lower Upper
83 100
55 88.8 71.5 107.3
98 50.0 40.3 60.5

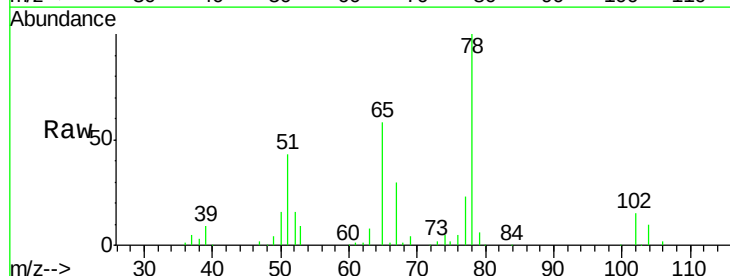


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

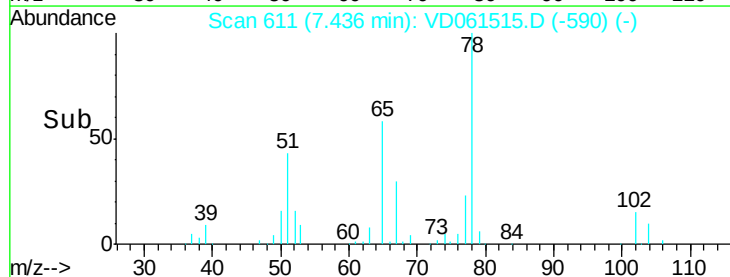
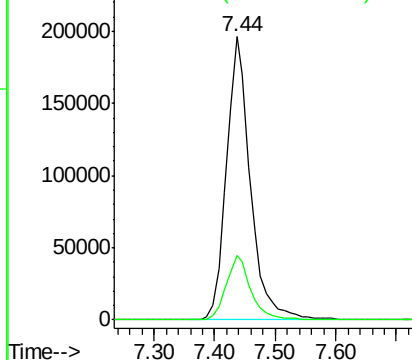


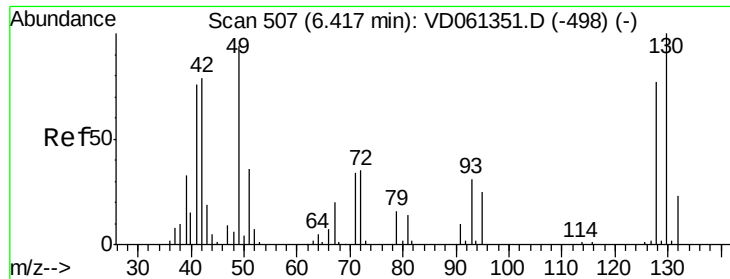
#40
Benzene
Concen: 22.388 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 78 Resp: 537532
Ion Ratio Lower Upper
78 100
77 23.0 17.8 26.6



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

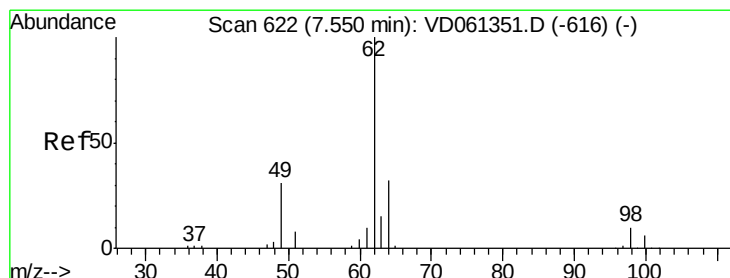
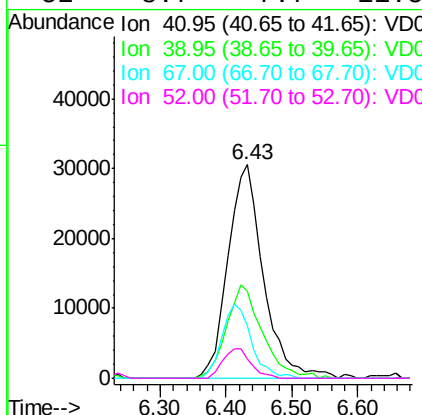
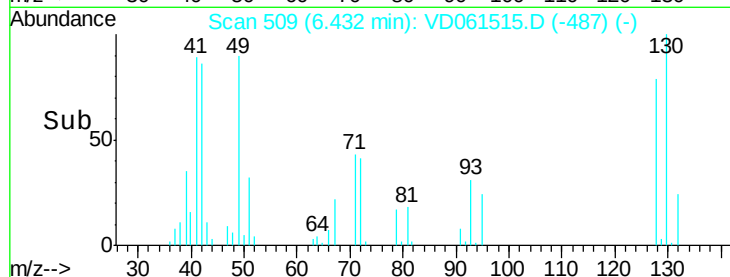
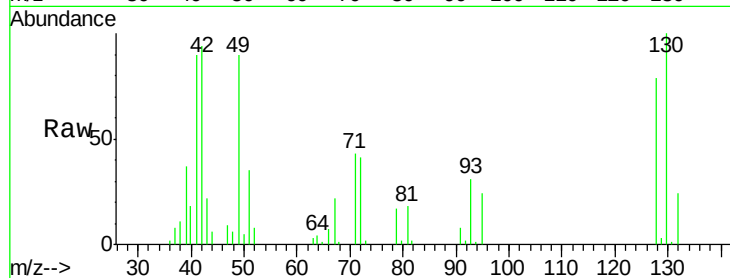




#41
Methacrylonitrile
Concen: 24.056 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

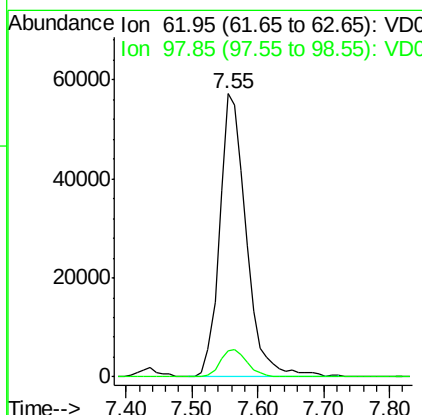
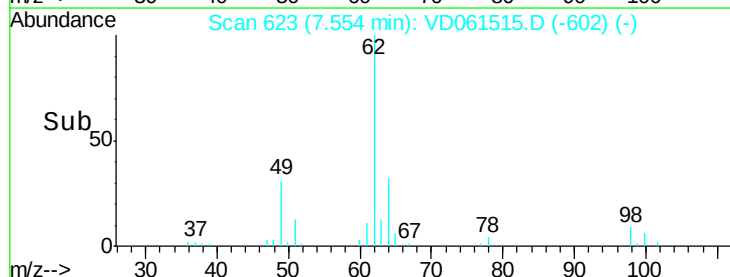
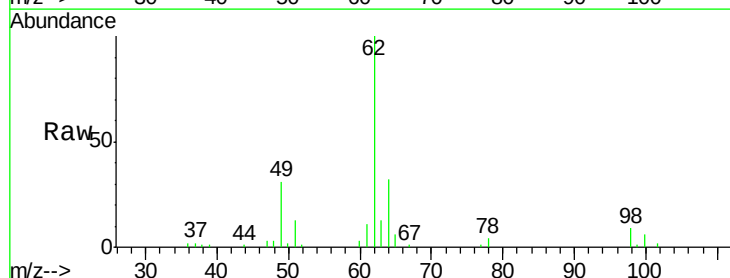
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

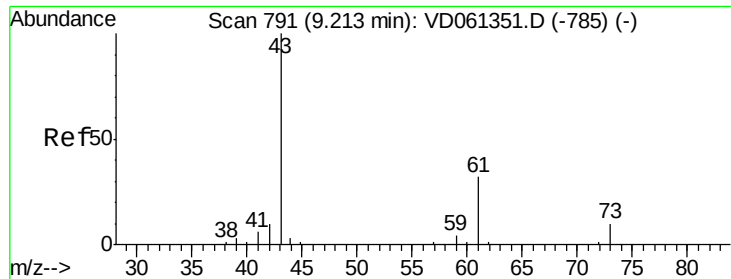
Tot Ion: 41 Resp: 115083
Ion Ratio Lower Upper
41 100
39 41.0 35.0 52.6
67 24.7 21.0 31.6
52 8.7 7.7 11.5



#42
1,2-Dichloroethane
Concen: 22.454 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 62 Resp: 161265
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.8





#43

Isopropyl Acetate

Concen: 21.698 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

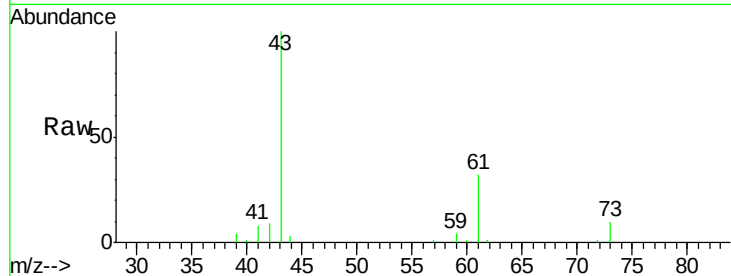
Tot Ion: 43 Resp: 129166

Ion Ratio Lower Upper

43 100

61 31.7 25.8 38.6

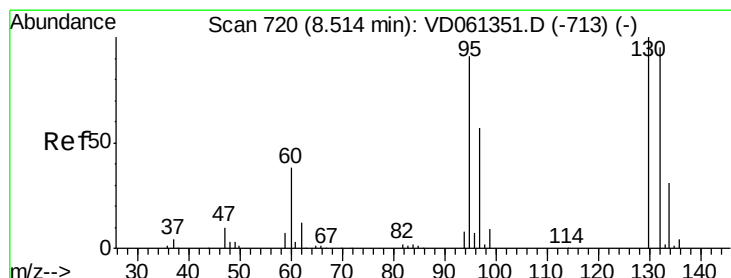
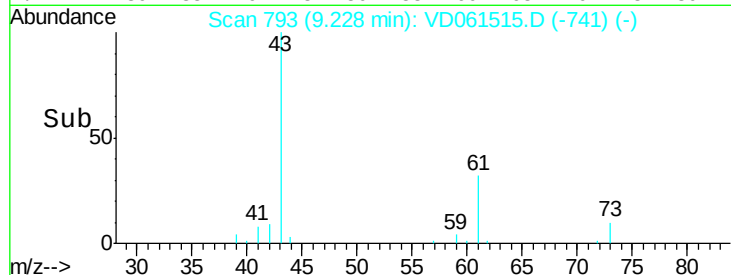
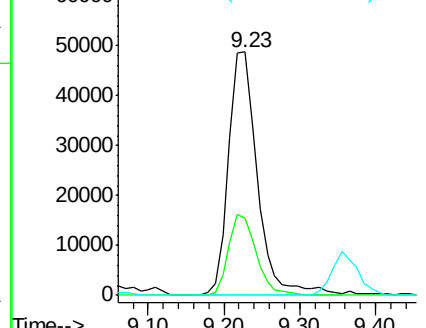
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.454 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD061515.D

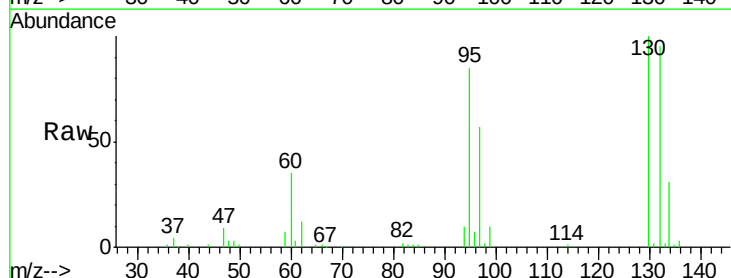
Acq: 2 Apr 2019 15:38

Tgt Ion:130 Resp: 200634

Ion Ratio Lower Upper

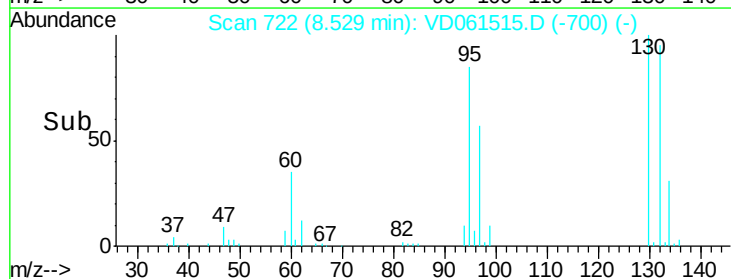
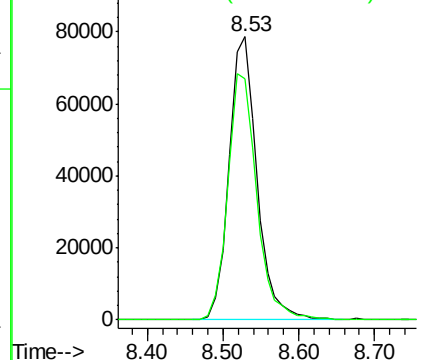
130 100

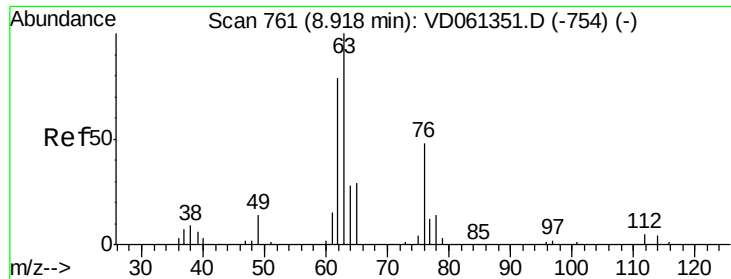
95 85.2 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

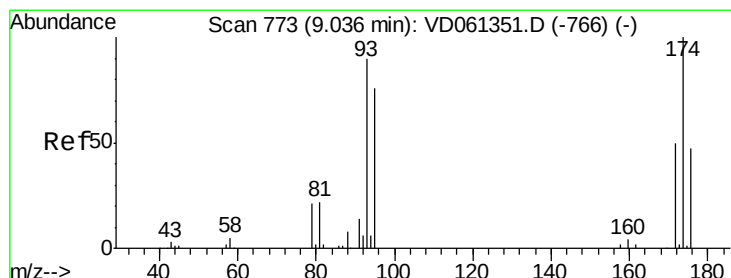
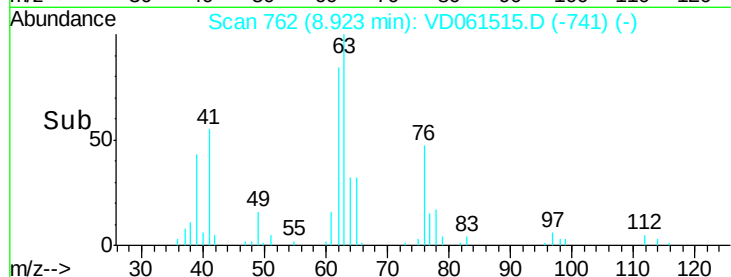
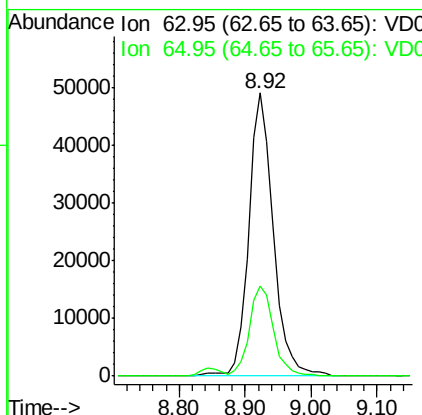
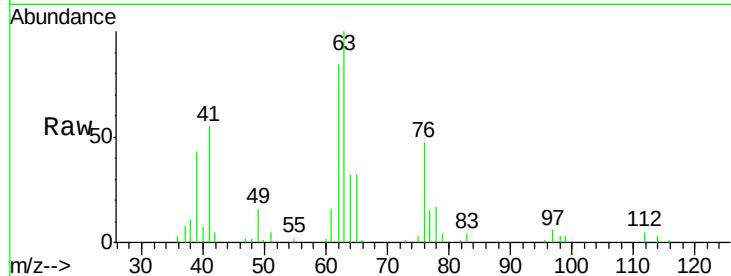




#45
 1,2-Dichloropropane
 Concen: 21.139 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

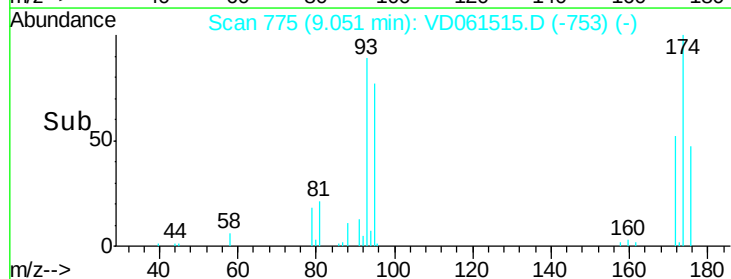
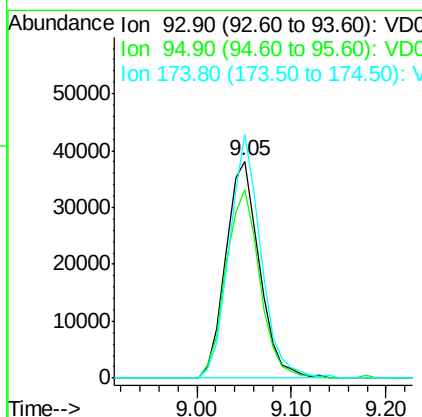
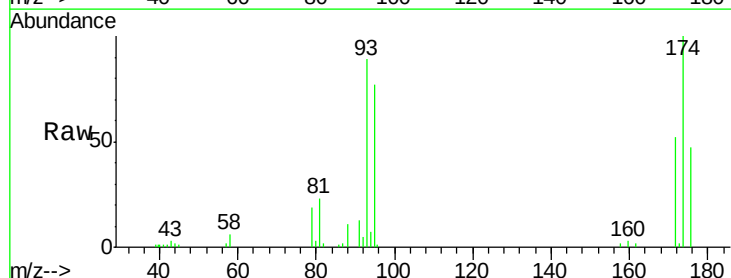
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

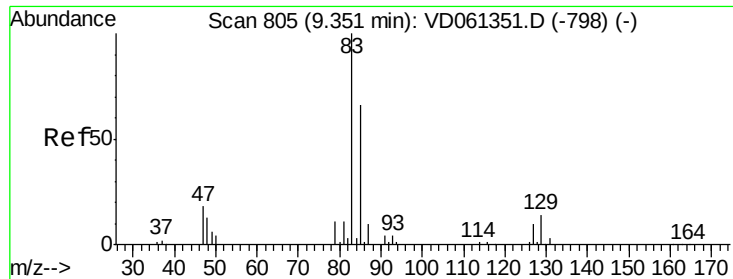
Tot Ion: 63 Resp: 128698
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4



#46
 Dibromomethane
 Concen: 22.798 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion: 93 Resp: 93423
 Ion Ratio Lower Upper
 93 100
 95 86.5 67.4 101.0
 174 112.1 88.9 133.3





#47

Bromodichloromethane

Concen: 22.312 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

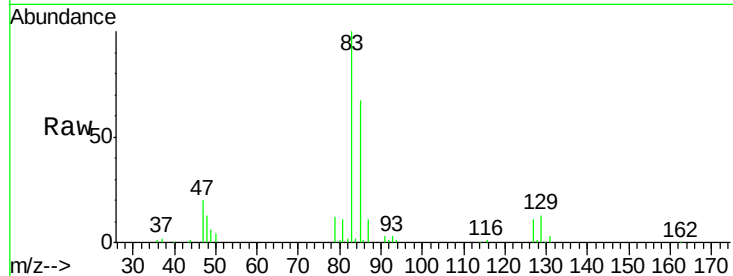
Tot Ion: 83 Resp: 205208

Ion Ratio Lower Upper

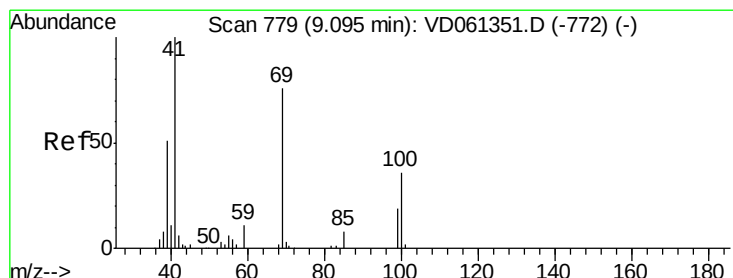
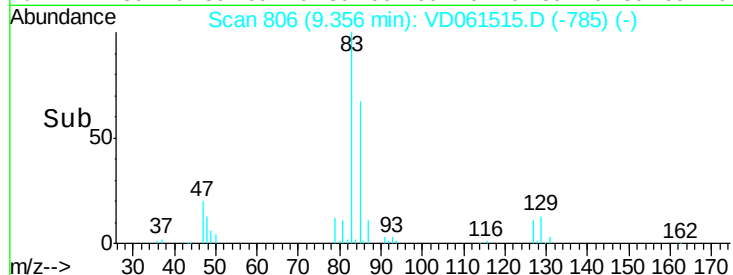
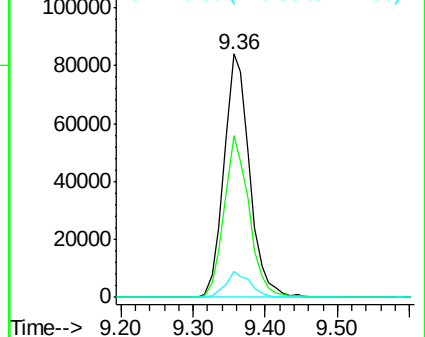
83 100

85 66.5 53.0 79.4

127 10.6 8.4 12.6



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



#48

Methyl methacrylate

Concen: 21.774 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

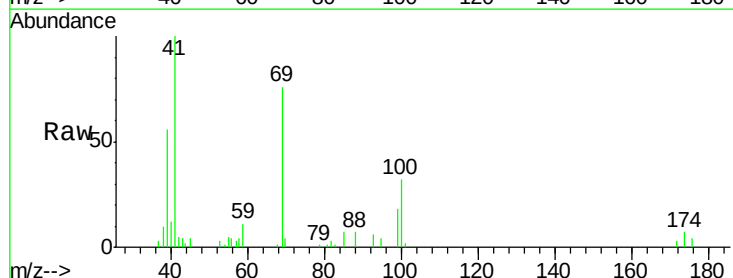
Tgt Ion: 41 Resp: 71537

Ion Ratio Lower Upper

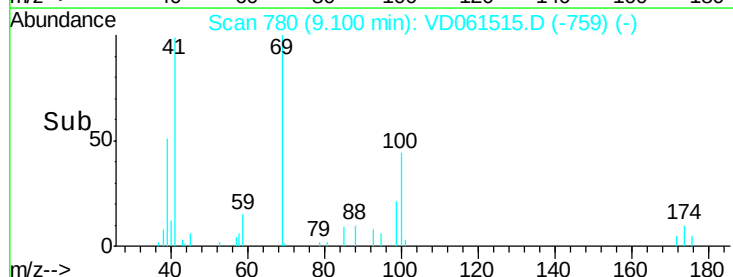
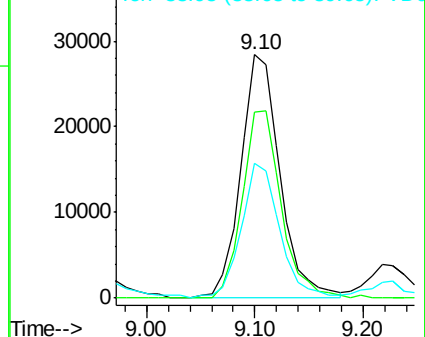
41 100

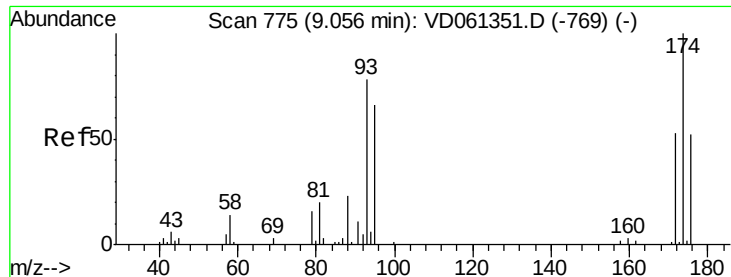
69 76.3 60.2 90.4

39 55.5 41.4 62.2



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





#49

1,4-Dioxane

Concen: 488.997 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS01

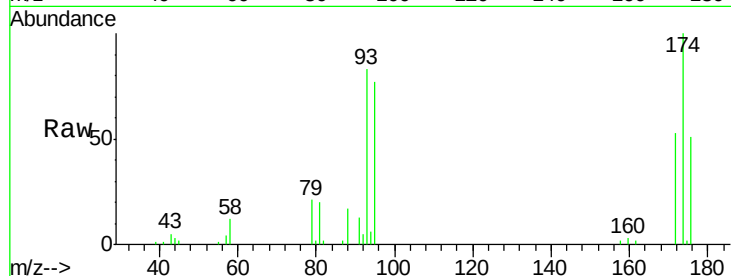
Tot Ion: 88 Resp: 17720

Ion Ratio Lower Upper

88 100

43 32.5 23.3 34.9

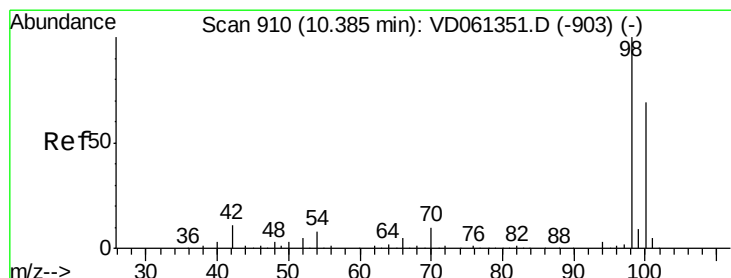
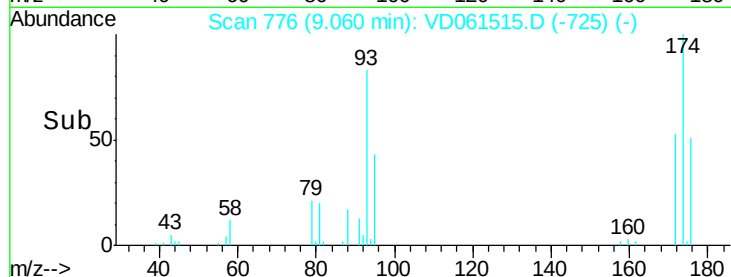
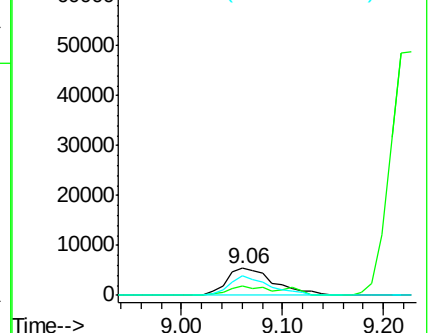
58 74.3 50.8 76.2



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: 488.997 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061515.D

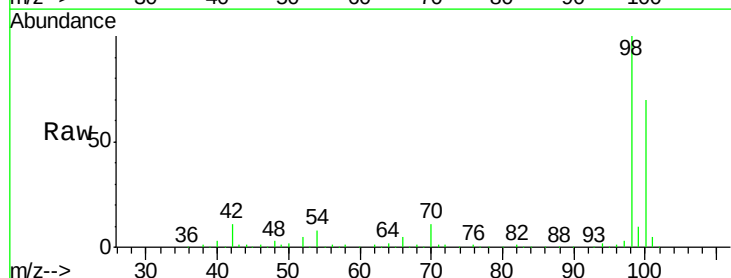
Acq: 2 Apr 2019 15:38

Tgt Ion: 98 Resp: 1175855

Ion Ratio Lower Upper

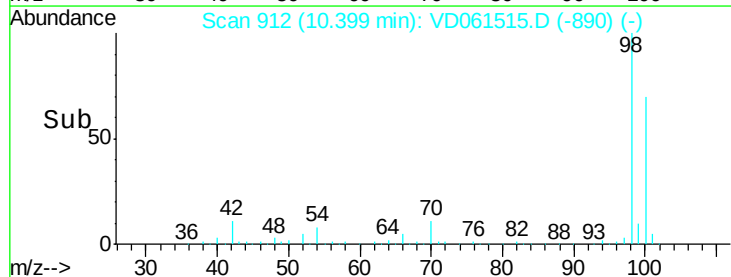
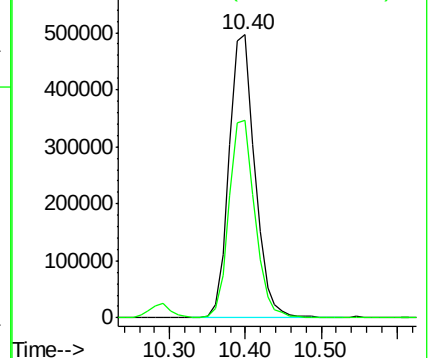
98 100

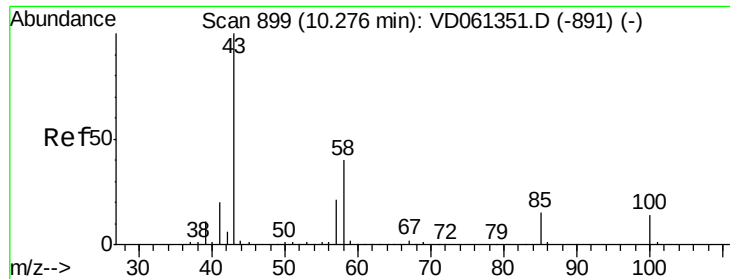
100 70.0 56.2 84.2



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: 114.199 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

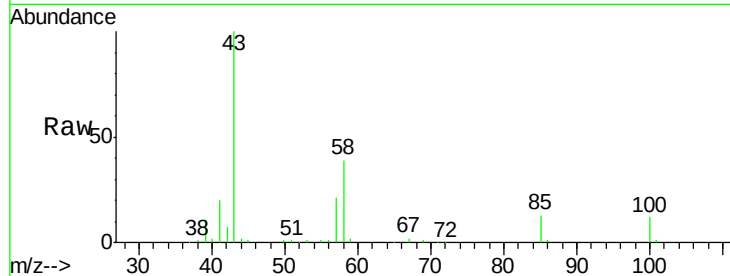
VD0402SBS01

Tot Ion: 43 Resp: 413601

Ion Ratio Lower Upper

43 100

58 38.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

200000

150000

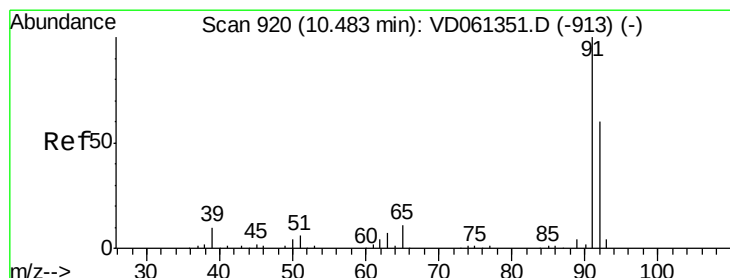
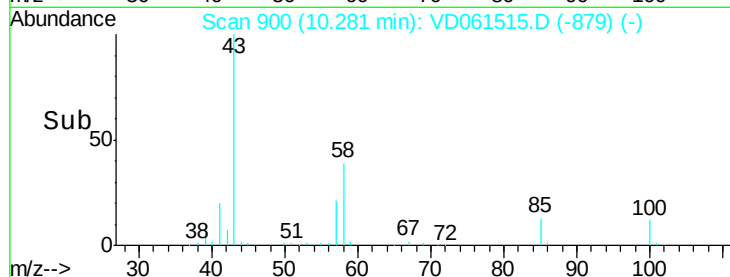
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 22.794 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061515.D

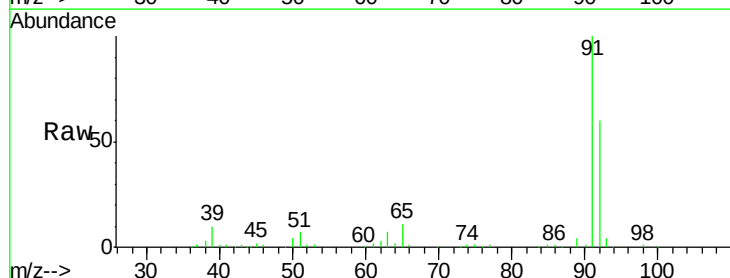
Acq: 2 Apr 2019 15:38

Tgt Ion: 92 Resp: 333888

Ion Ratio Lower Upper

92 100

91 168.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

250000

200000

150000

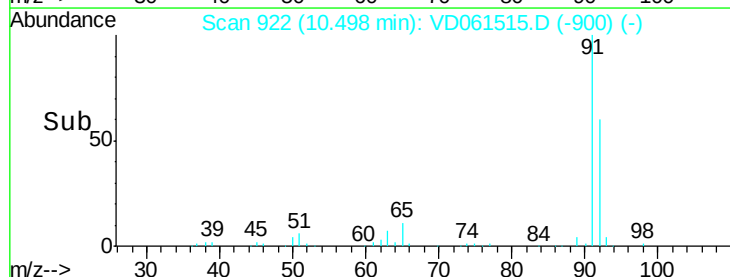
100000

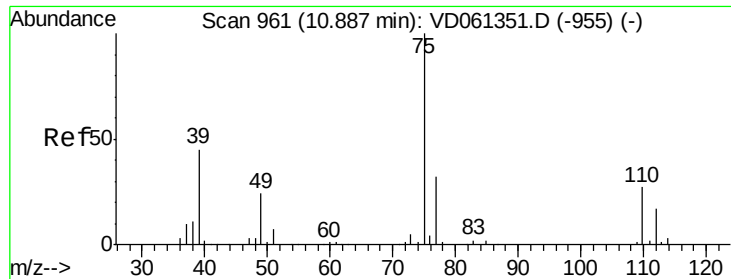
50000

0

Time-->

10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 24.047 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

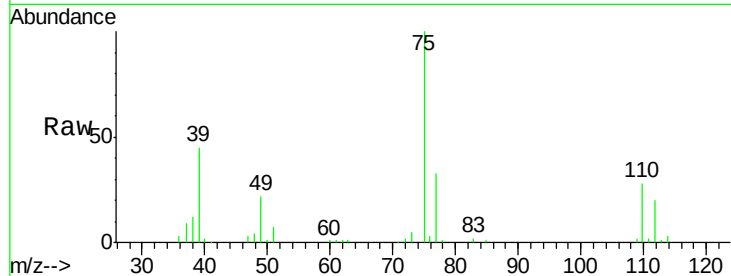
VD0402SBSD01

Tot Ion: 75 Resp: 200942

Ion Ratio Lower Upper

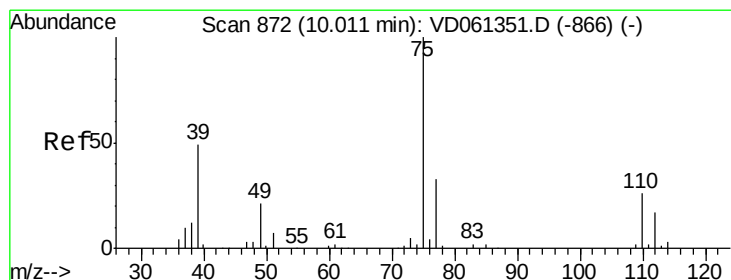
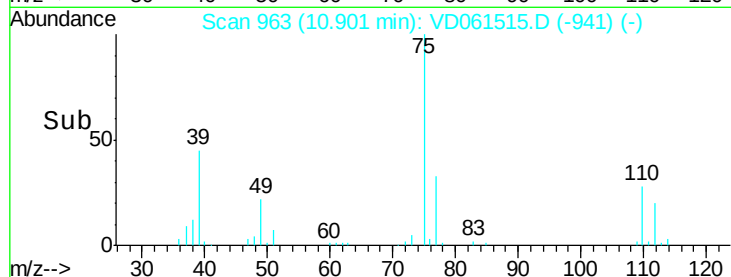
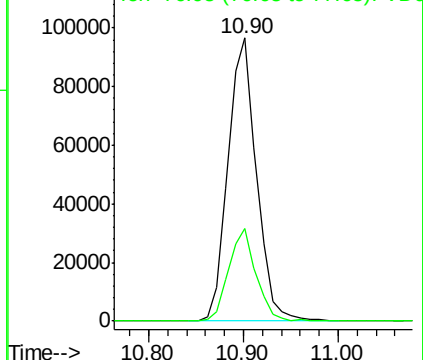
75 100

77 32.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.904 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

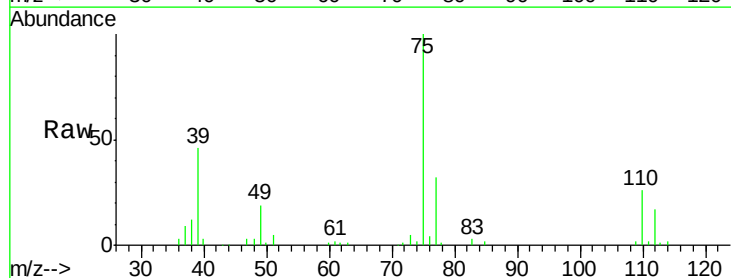
Tgt Ion: 75 Resp: 233047

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4

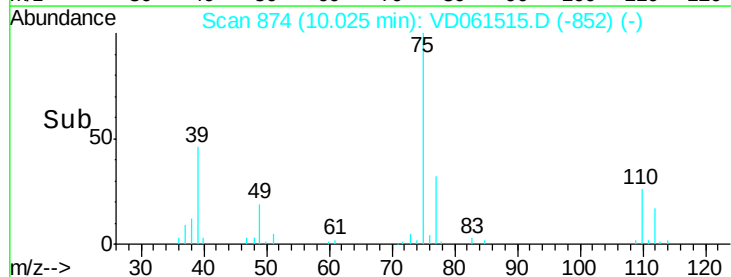
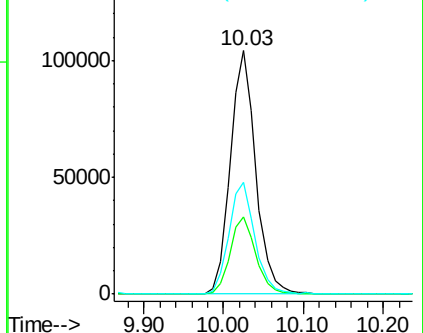
39 46.0 39.4 59.0

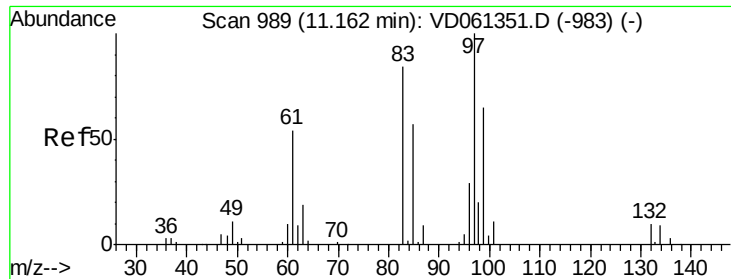


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

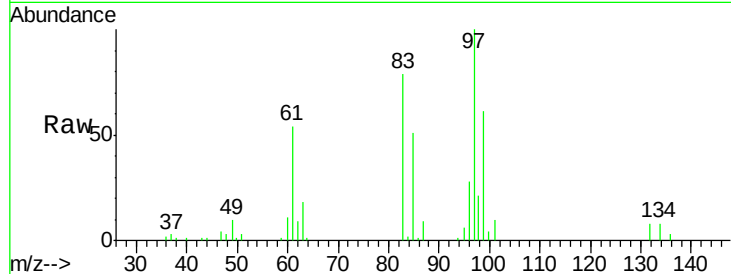




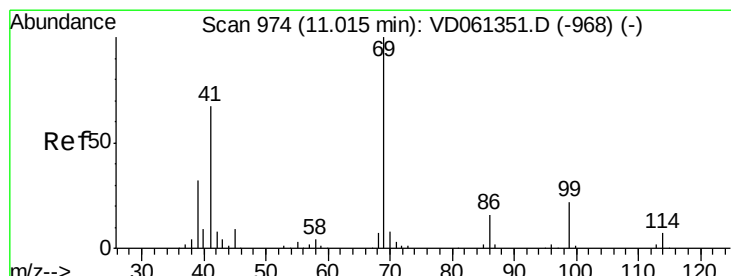
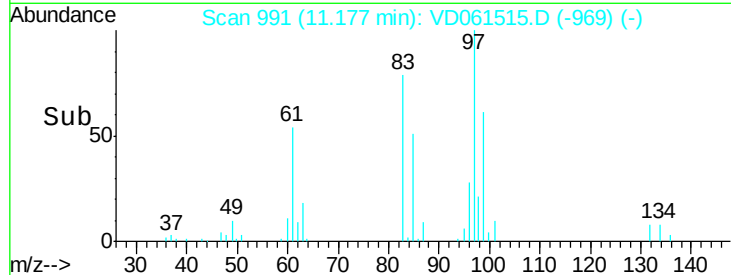
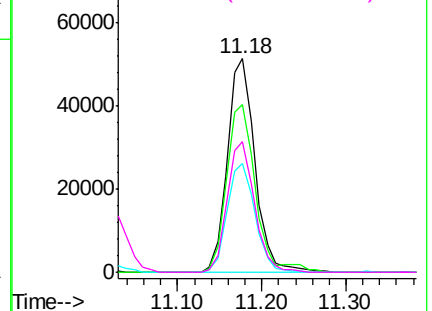
#55
 1,1,2-Trichloroethane
 Concen: 22.637 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

Tot Ion:	97	Resp:	115959
Ion	Ratio	Lower	Upper
97	100		
83	78.8	67.0	100.6
85	50.8	45.4	68.2
99	61.4	51.9	77.9

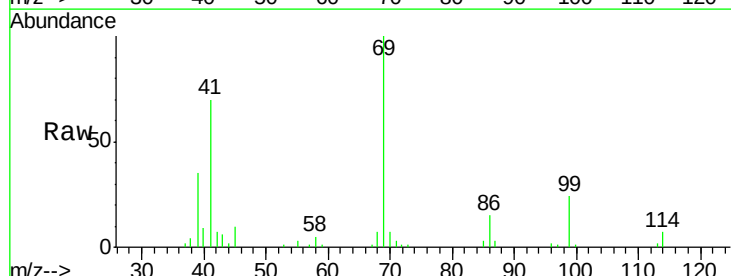


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

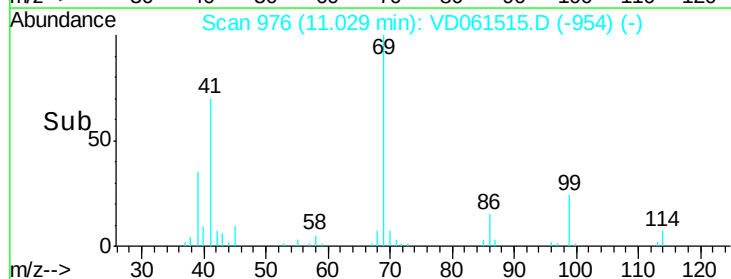
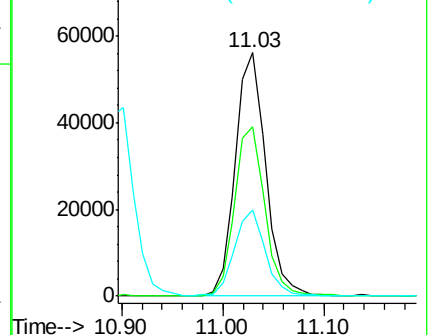


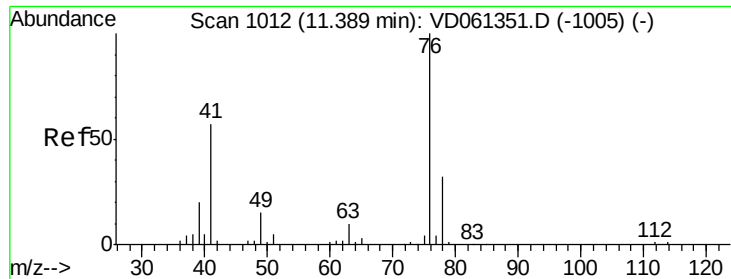
#56
 Ethyl methacrylate
 Concen: 21.319 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion:	69	Resp:	117322
Ion	Ratio	Lower	Upper
69	100		
41	69.6	53.8	80.6
39	35.3	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

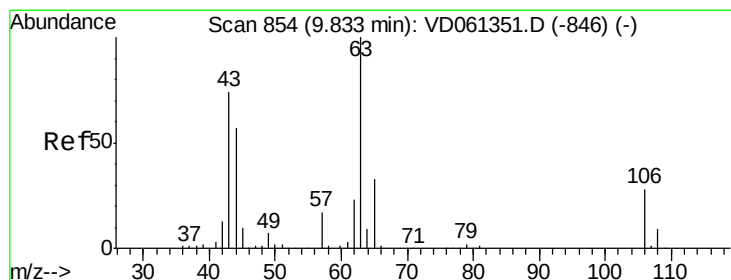
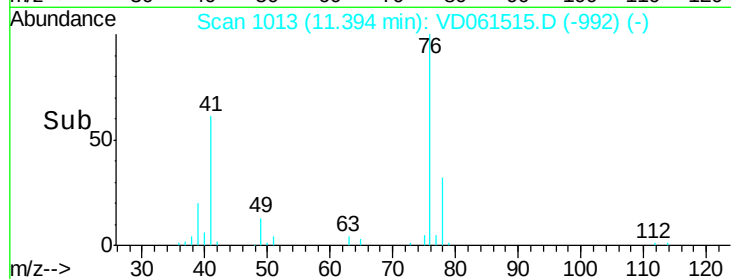
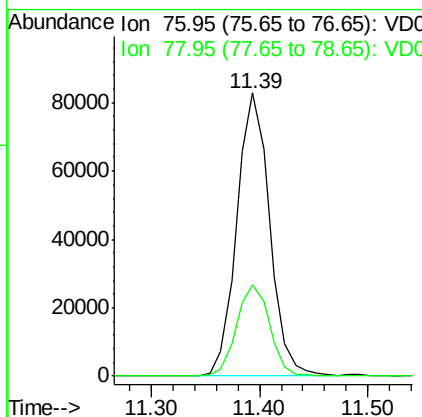
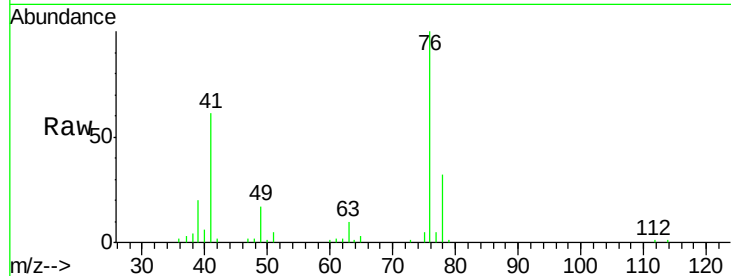




#57
 1,3-Dichloropropane
 Concen: 23.196 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

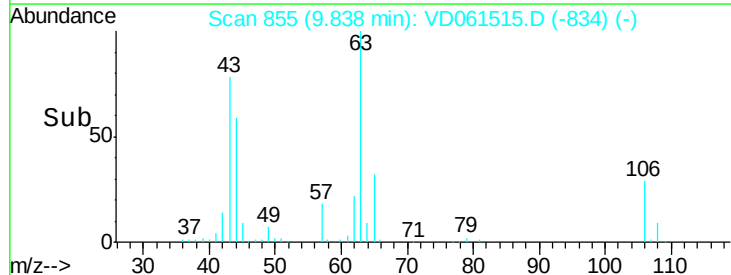
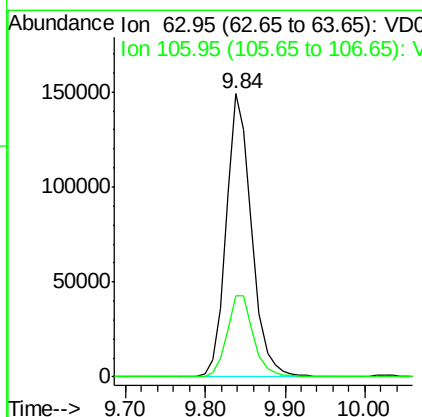
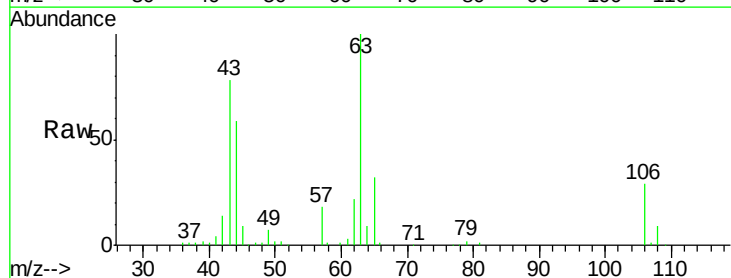
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

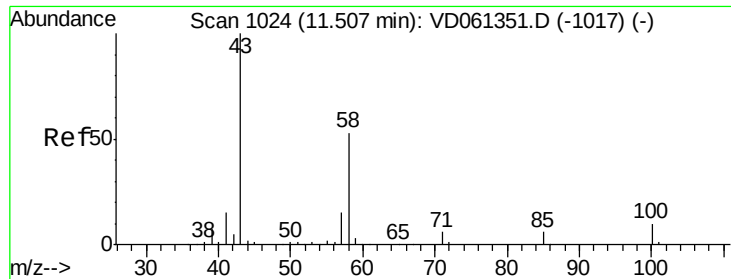
Tot Ion: 76 Resp: 174652
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.203 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion: 63 Resp: 332862
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.4 33.6

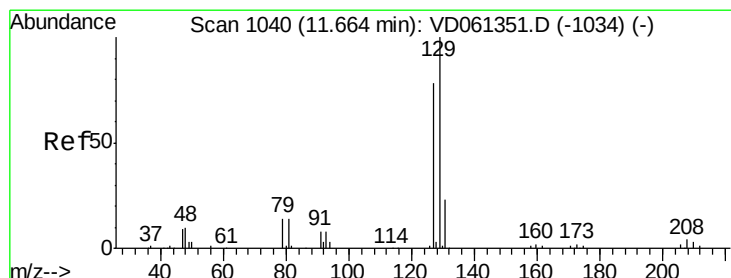
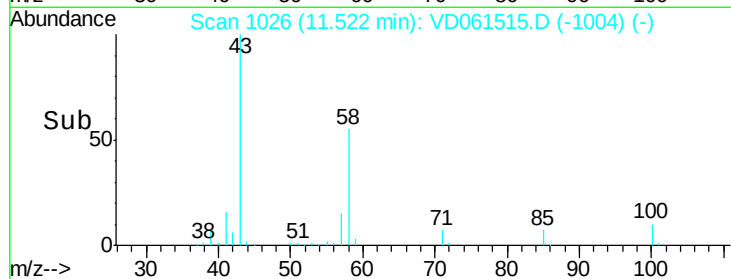
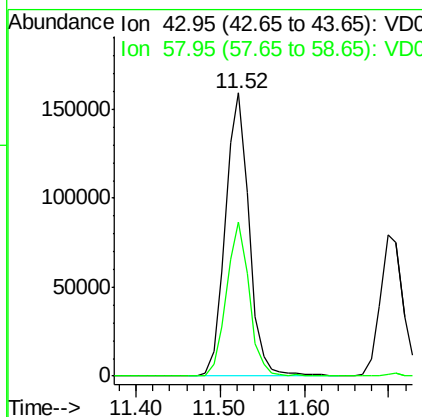
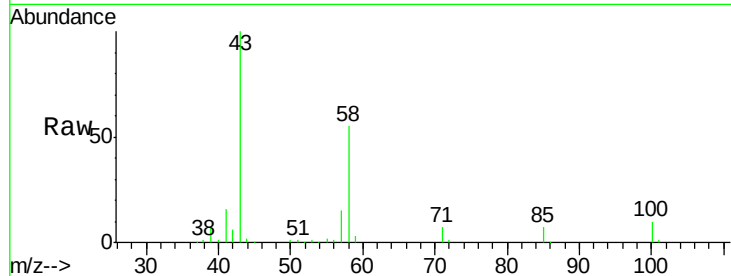




#59
2-Hexanone
Concen: 118.382 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

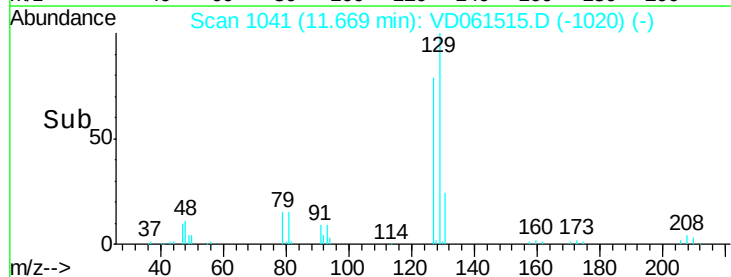
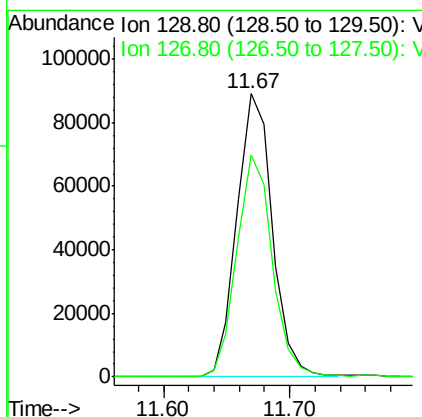
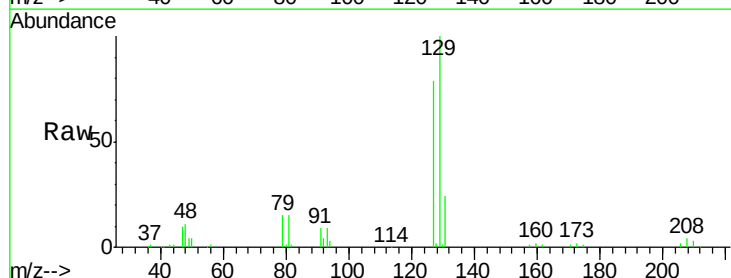
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

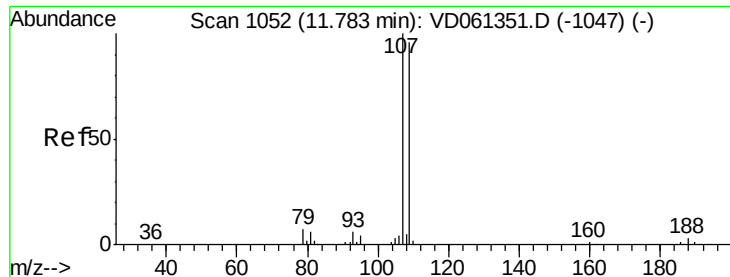
Tot Ion: 43 Resp: 310643
Ion Ratio Lower Upper
43 100
58 54.6 26.3 78.9



#60
Dibromochloromethane
Concen: 22.058 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion:129 Resp: 174194
Ion Ratio Lower Upper
129 100
127 78.5 39.0 116.9

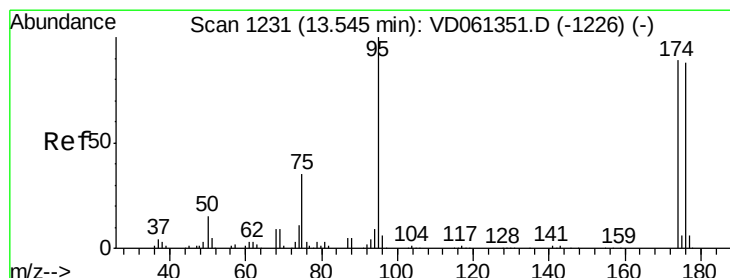
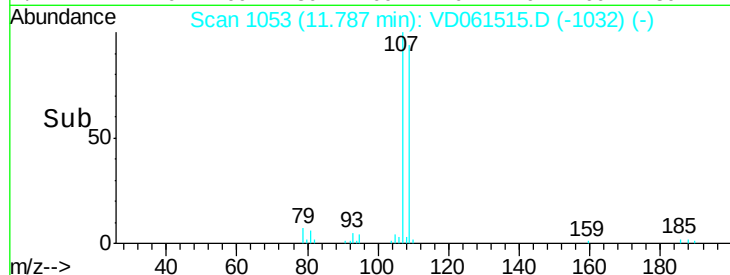
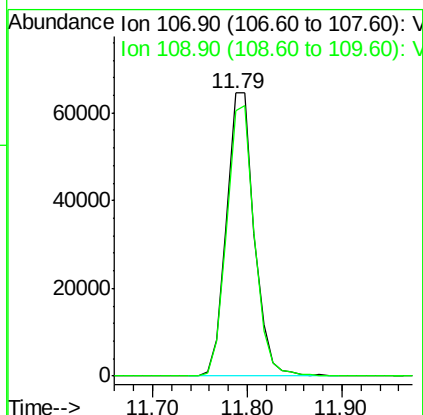
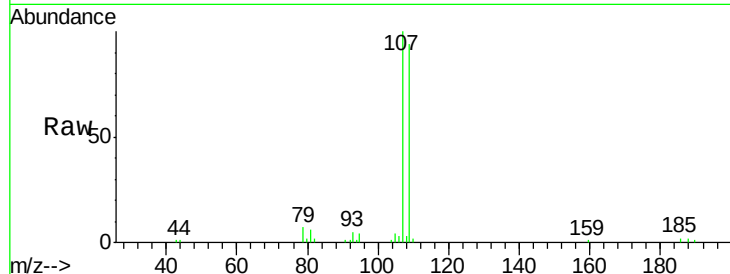




#61
 1,2-Dibromoethane
 Concen: 22.098 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

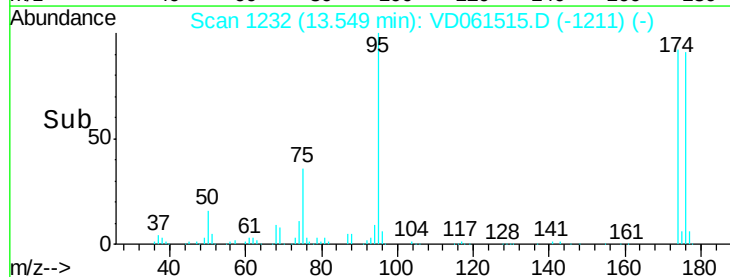
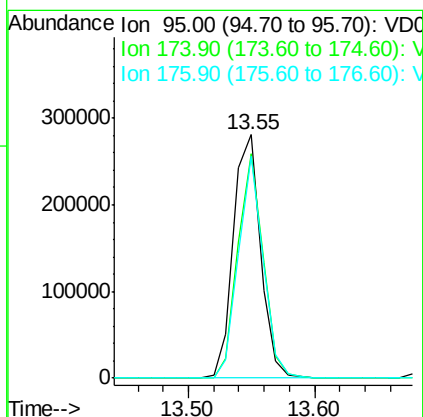
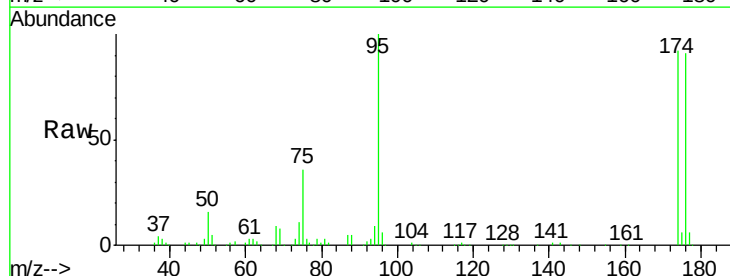
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

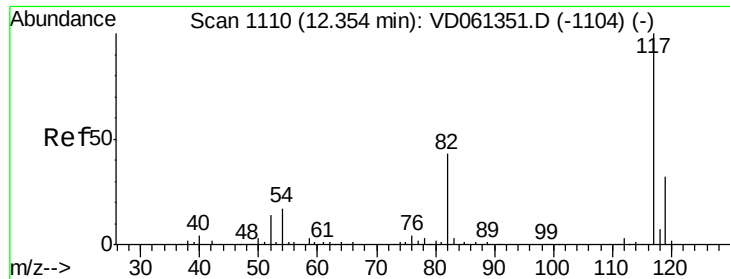
Tot Ion: 107 Resp: 131082
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 22.098 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion: 95 Resp: 416578
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 178.0
 176 91.1 0.0 175.0

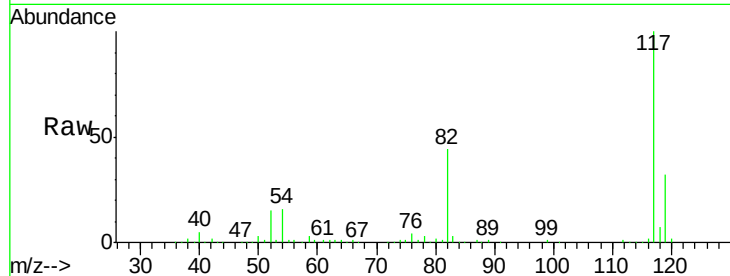




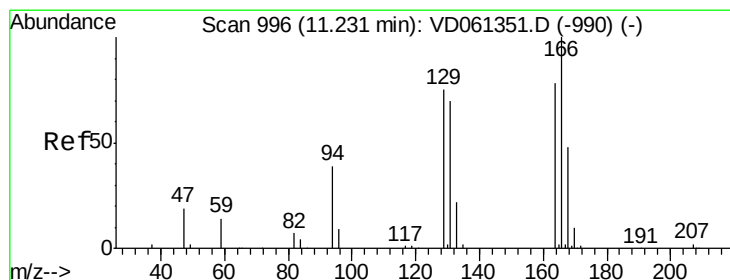
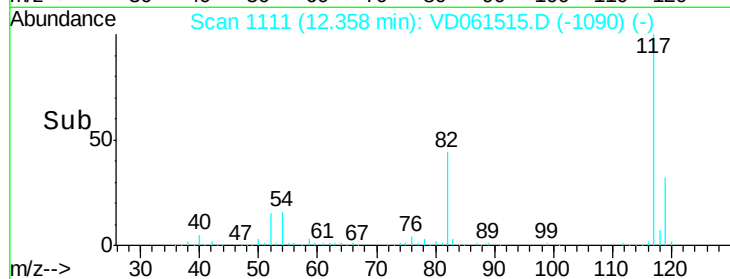
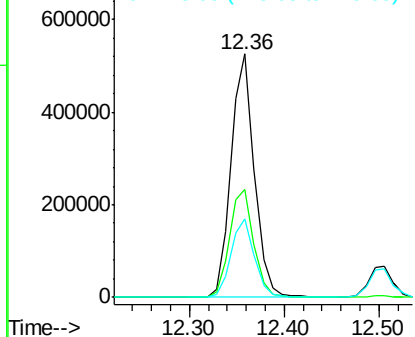
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

Tot Ion:117 Resp: 892706
Ion Ratio Lower Upper
117 100
82 44.1 34.4 51.6
119 32.4 25.8 38.6

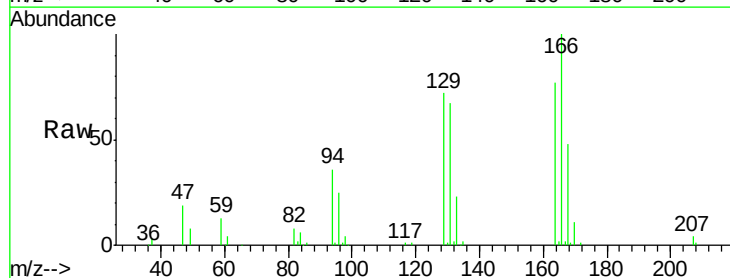


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

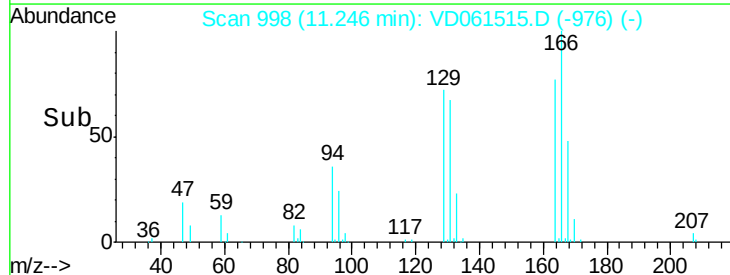
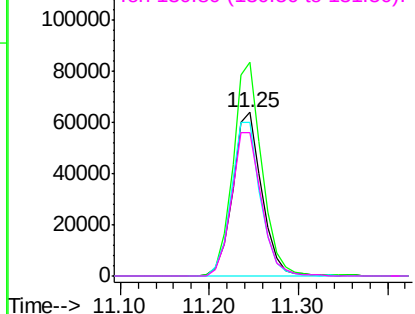


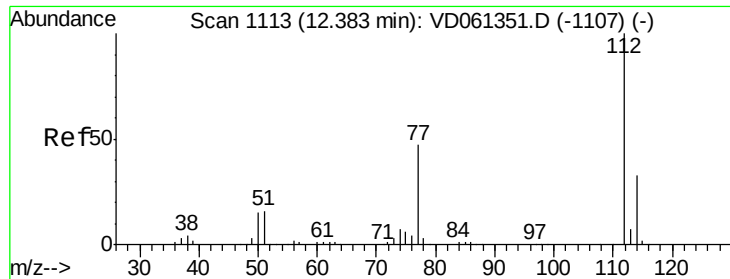
#64
Tetrachloroethene
Concen: 20.687 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion:164 Resp: 144934
Ion Ratio Lower Upper
164 100
166 130.5 102.4 153.6
129 94.0 76.8 115.2
131 87.5 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

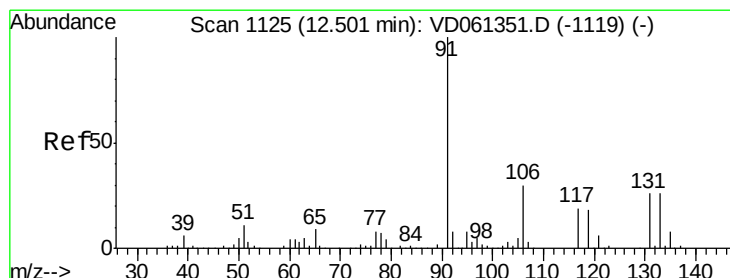
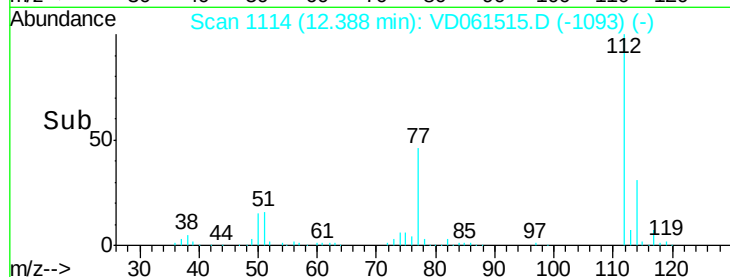
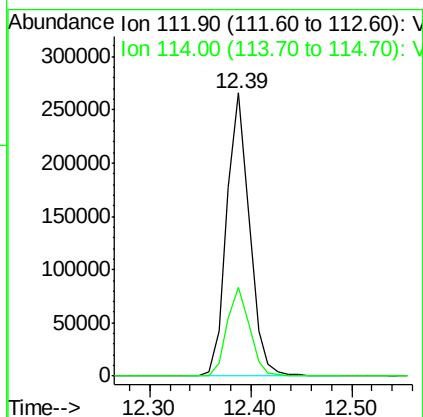
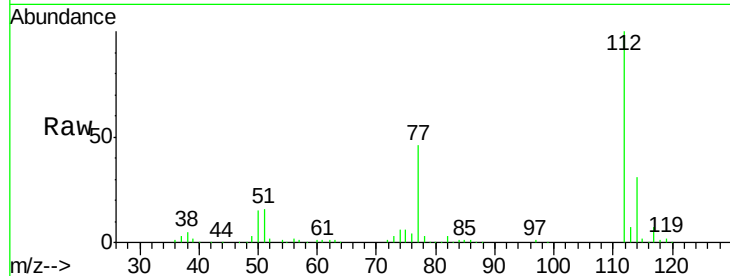




#65
Chlorobenzene
Concen: 22.851 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

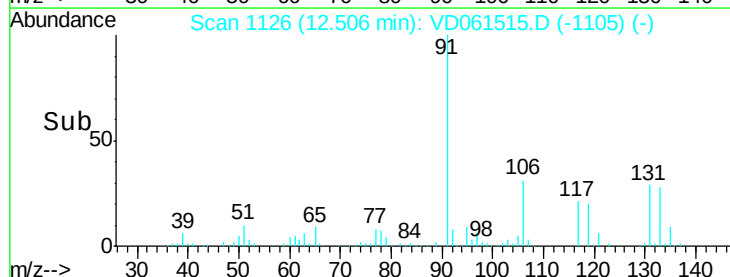
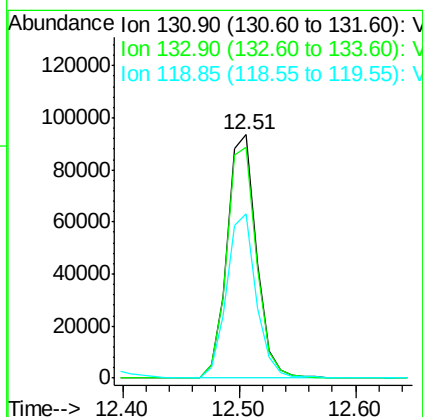
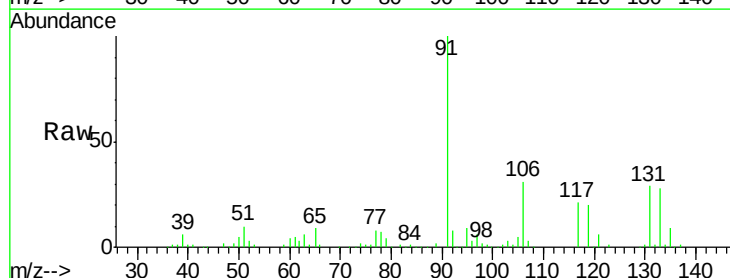
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS01

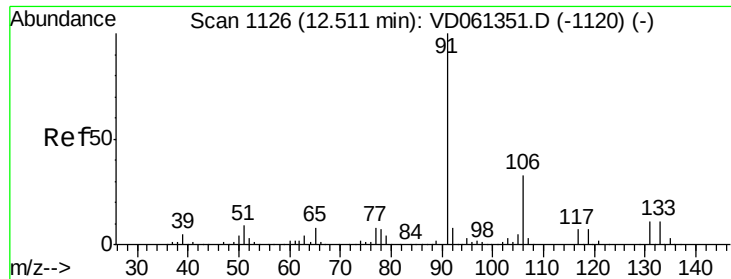
Tot Ion:112 Resp: 416895
Ion Ratio Lower Upper
112 100
114 31.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.235 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion:131 Resp: 164130
Ion Ratio Lower Upper
131 100
133 94.8 49.4 148.2
119 67.4 34.1 102.2

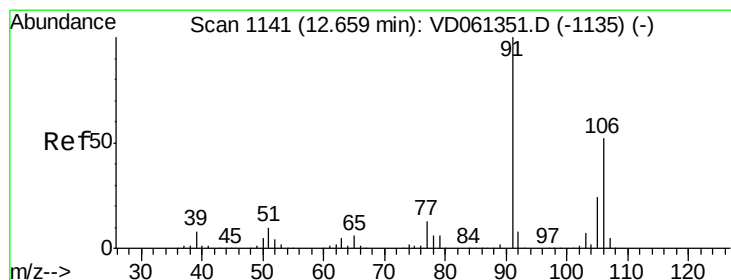
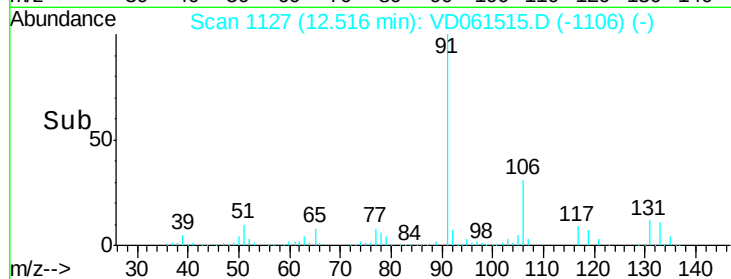
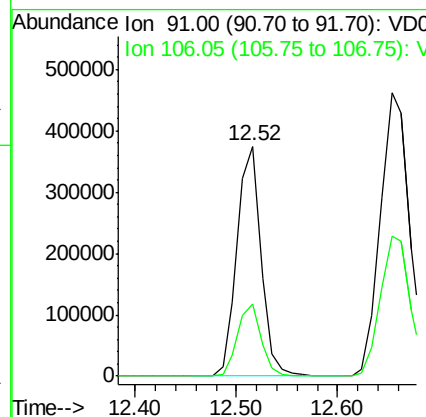
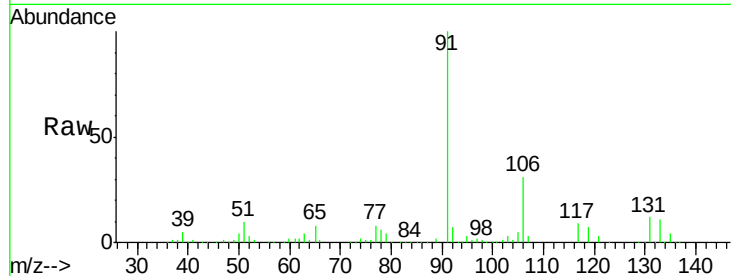




#67
Ethyl Benzene
Concen: 22.292 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

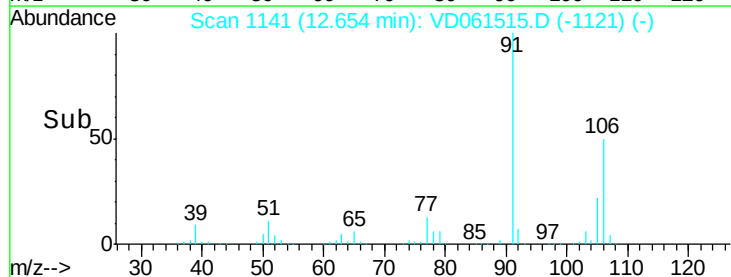
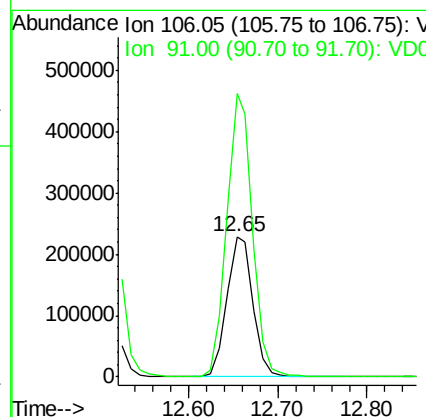
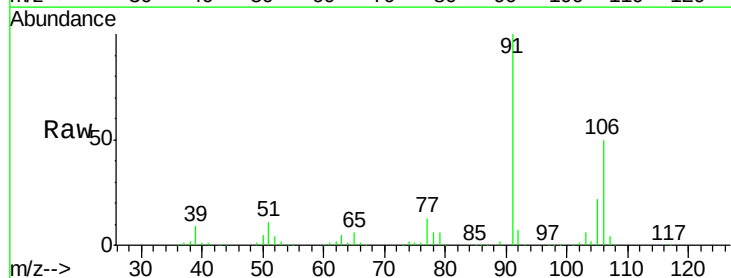
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

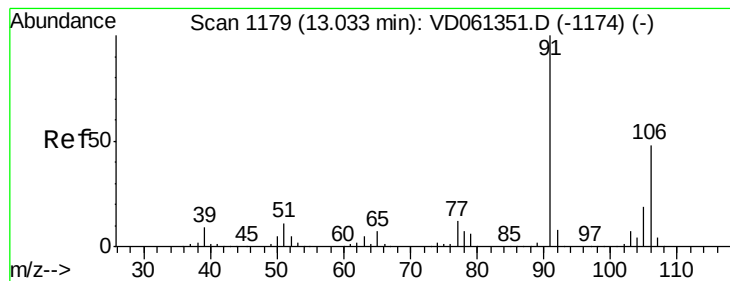
Tot Ion: 91 Resp: 620759
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1



#68
m/p-Xylenes
Concen: 44.601 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion:106 Resp: 470475
Ion Ratio Lower Upper
106 100
91 202.0 153.1 229.7





#69

o-Xylene

Concen: 22.477 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

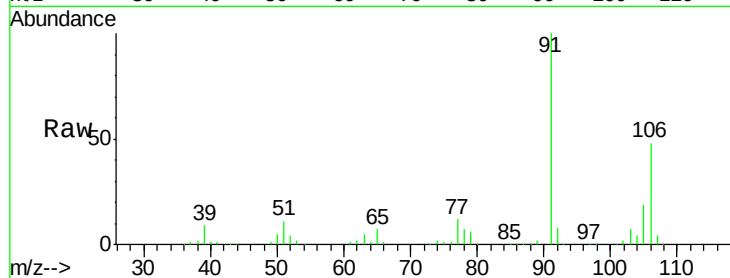
VD0402SBSD01

Tot Ion:106 Resp: 230087

Ion Ratio Lower Upper

106 100

91 207.1 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

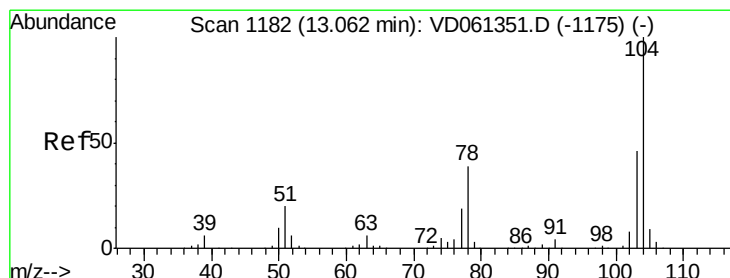
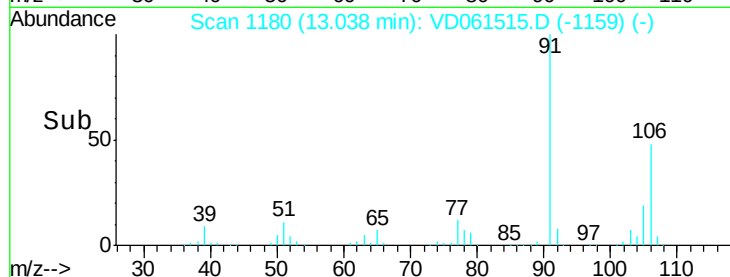
100000

0

13.04

13.00 13.10

Time-->



#70

Styrene

Concen: 21.621 ug/l

RT: 13.06 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

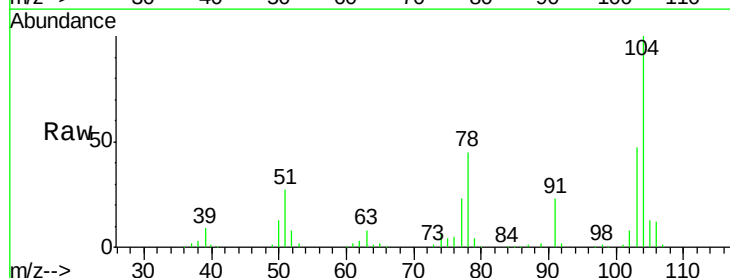
Tgt Ion:104 Resp: 385820

Ion Ratio Lower Upper

104 100

78 44.9 31.0 46.6

103 47.2 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V

300000

250000

200000

150000

100000

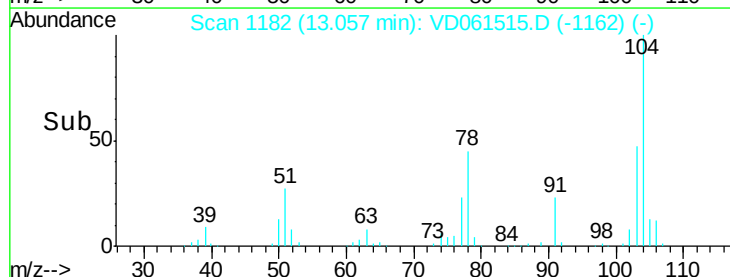
50000

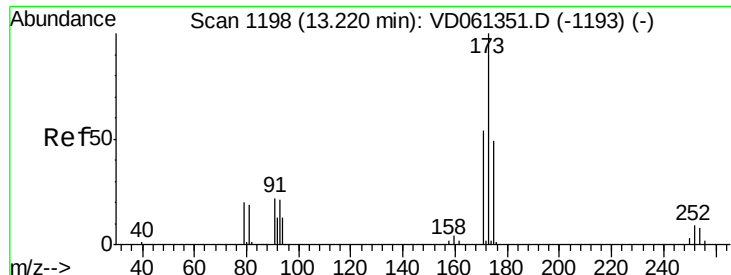
0

13.06

13.00 13.10

Time-->

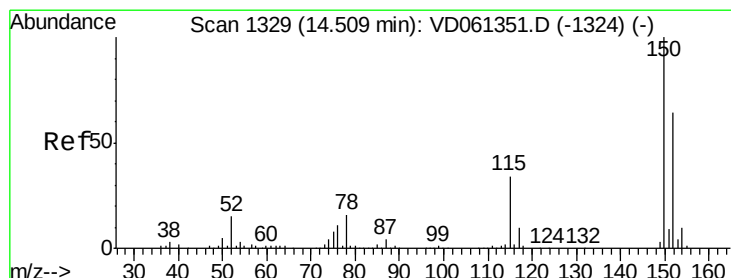
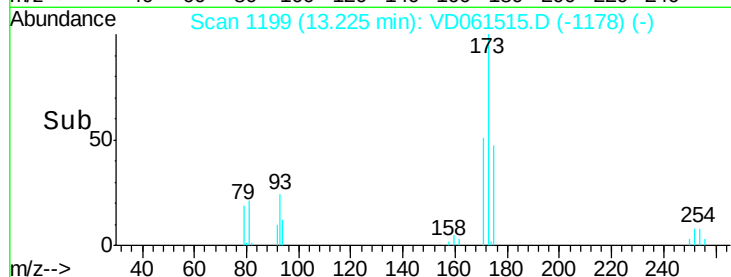
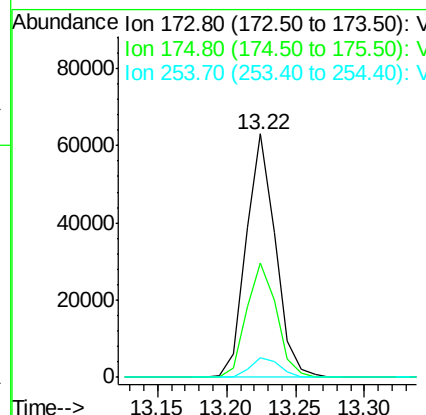
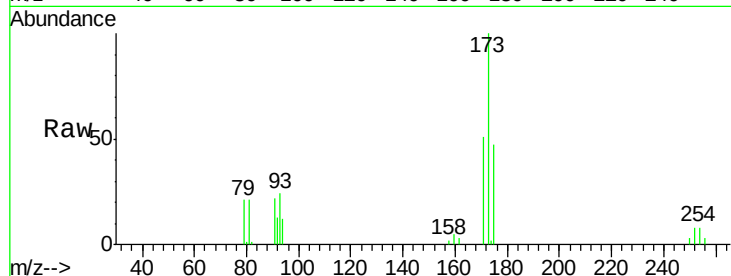




#71
Bromoform
Concen: 20.876 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

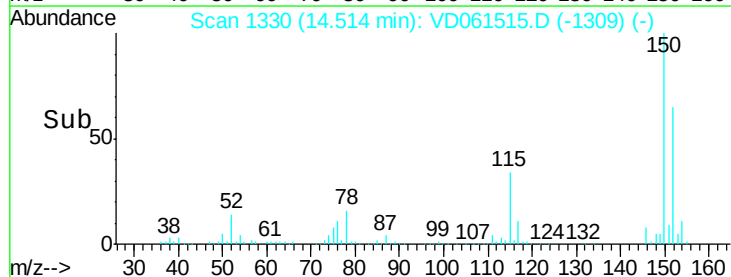
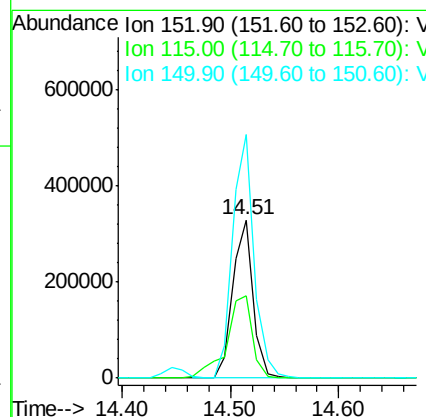
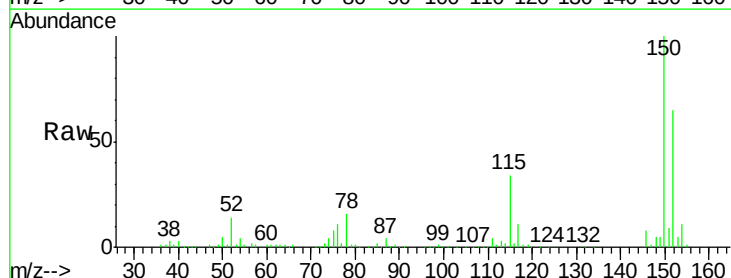
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

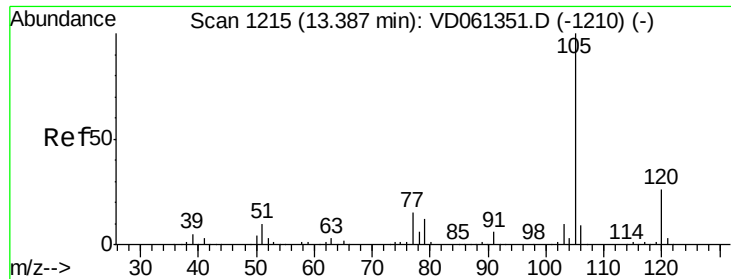
Tot Ion:173 Resp: 93479
Ion Ratio Lower Upper
173 100
175 46.9 24.6 73.8
254 8.2 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion:152 Resp: 430205
Ion Ratio Lower Upper
152 100
115 51.9 26.9 80.6
150 153.9 0.0 318.0





#73

Isopropylbenzene

Concen: 22.597 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

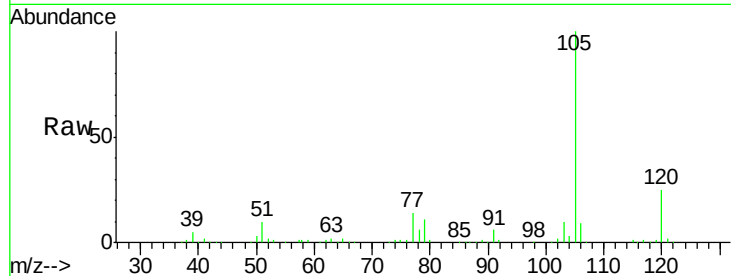
VD0402SBS01

Tot Ion:105 Resp: 676595

Ion Ratio Lower Upper

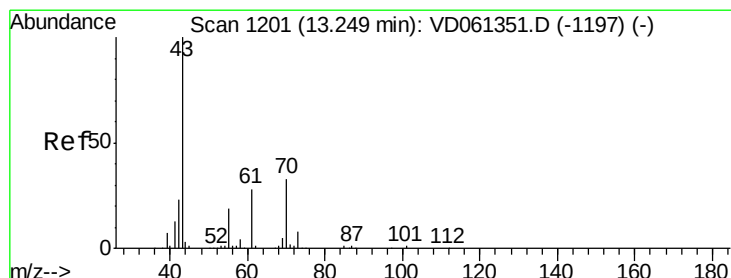
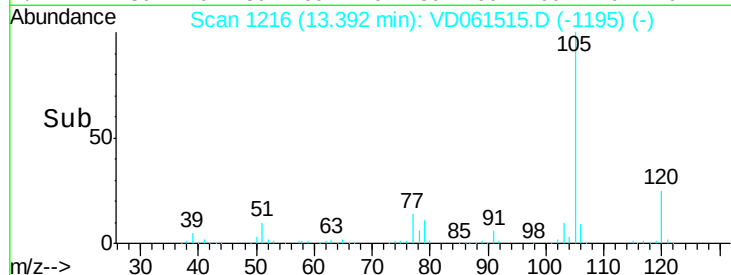
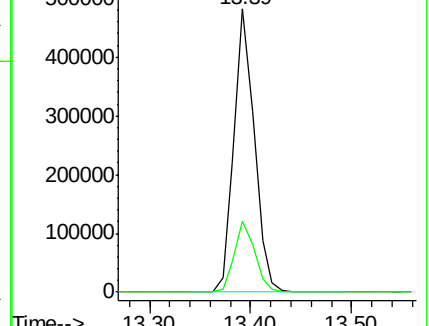
105 100

120 24.9 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.474 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Tgt Ion: 43 Resp: 162428

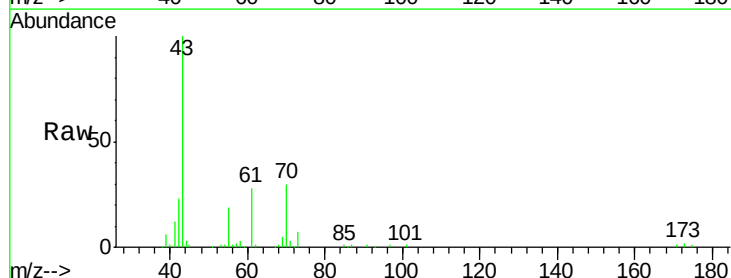
Ion Ratio Lower Upper

43 100

70 30.3 26.6 40.0

55 19.2 15.4 23.2

61 27.5 22.2 33.4

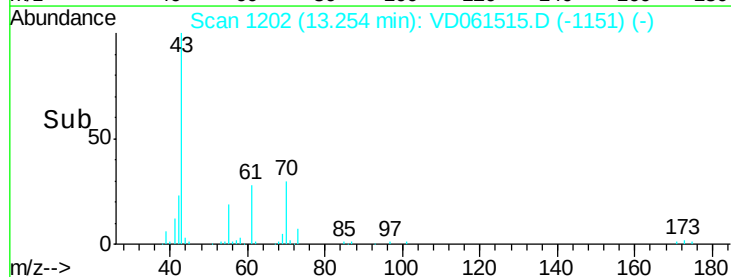
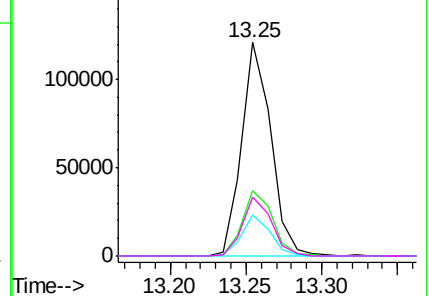


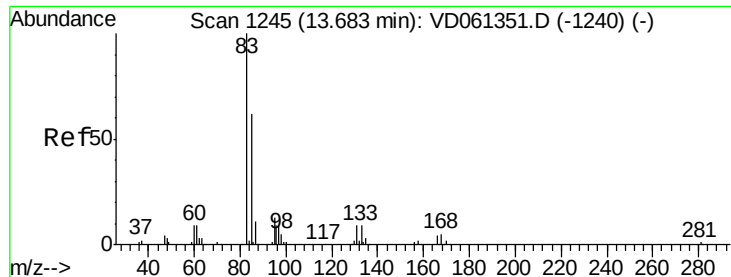
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.137 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

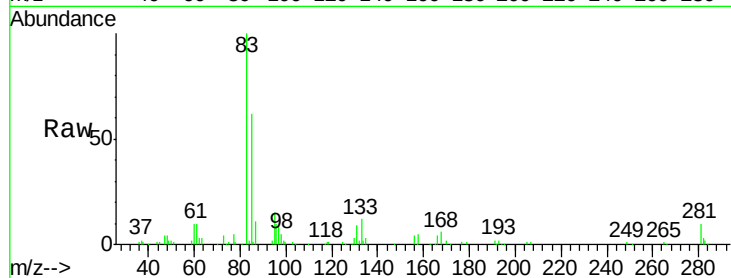
Tot Ion: 83 Resp: 133509

Ion Ratio Lower Upper

83 100

131 9.2 4.3 13.1

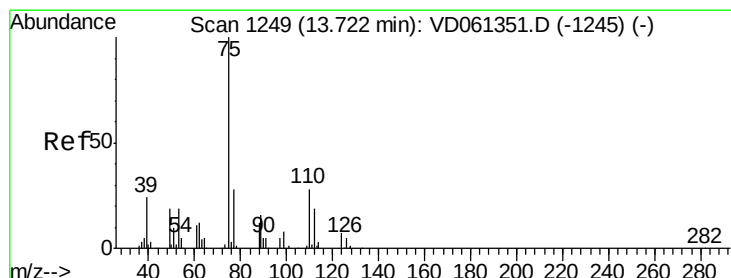
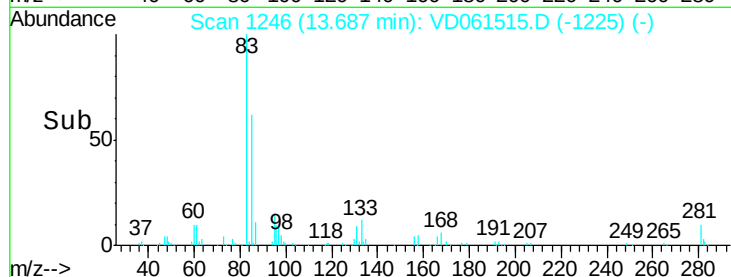
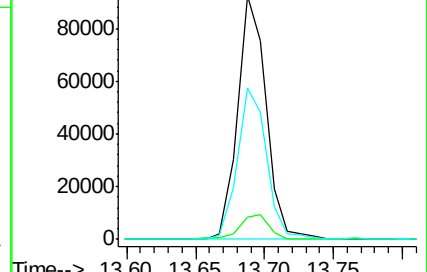
85 62.1 31.2 93.6



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: 19.052 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061515.D

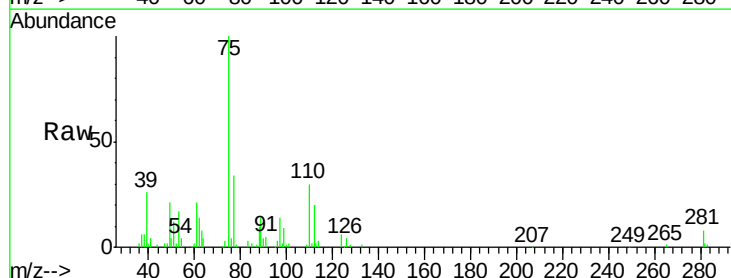
Acq: 2 Apr 2019 15:38

Tgt Ion: 75 Resp: 118394

Ion Ratio Lower Upper

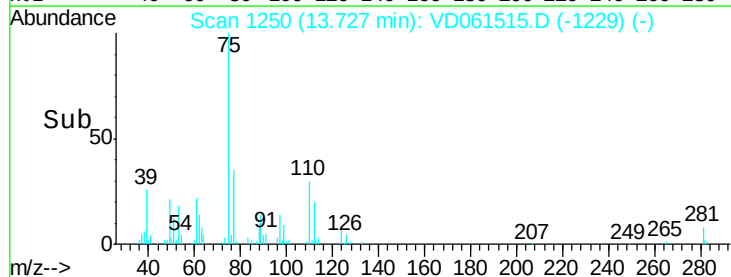
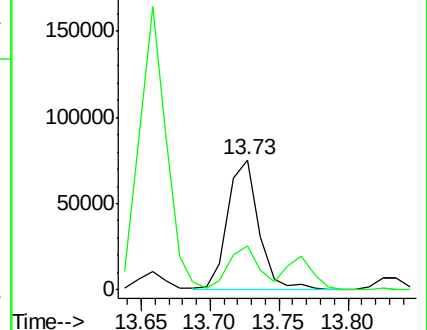
75 100

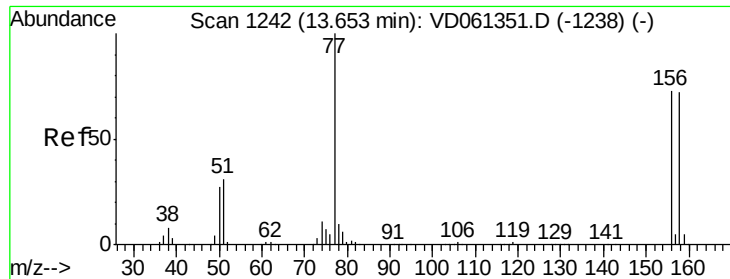
77 34.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.592 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

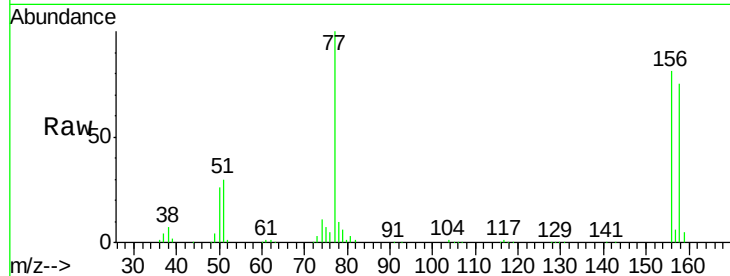
Tot Ion:156 Resp: 182787

Ion Ratio Lower Upper

156 100

77 123.7 68.5 205.6

158 93.2 49.1 147.3

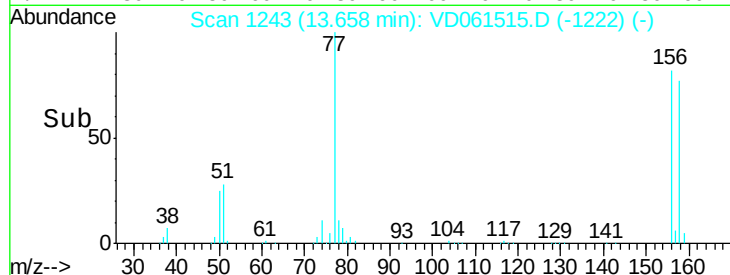


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



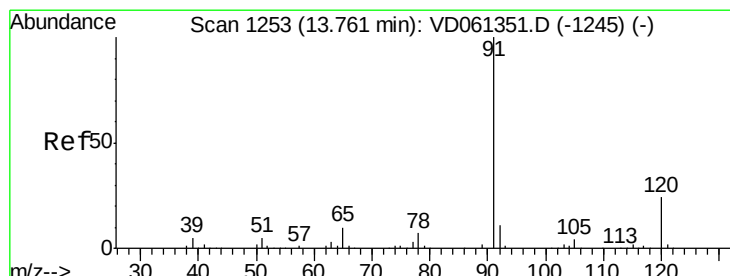
Time-->

13.66

13.65

13.70

13.75



#78

n-propylbenzene

Concen: 20.305 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061515.D

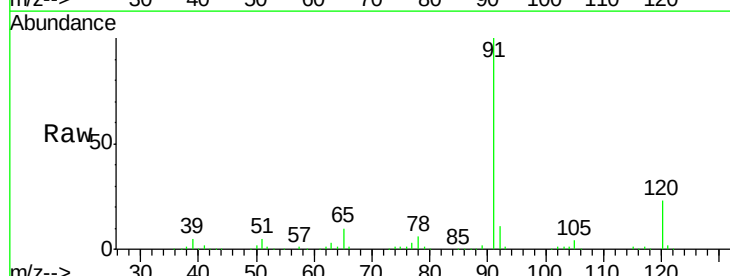
Acq: 2 Apr 2019 15:38

Tgt Ion: 91 Resp: 744001

Ion Ratio Lower Upper

91 100

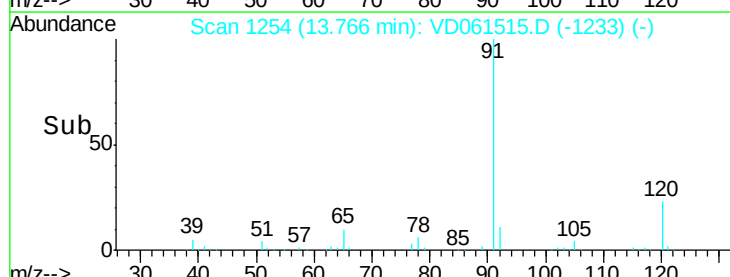
120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

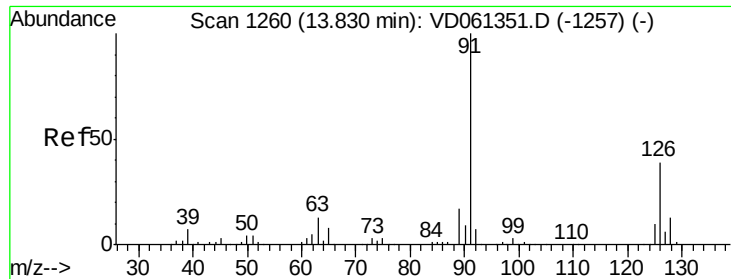
Time-->



Time-->

13.77

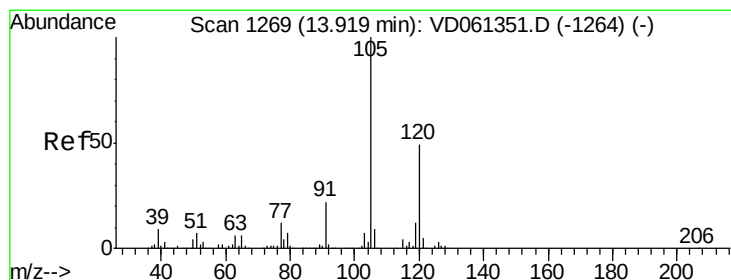
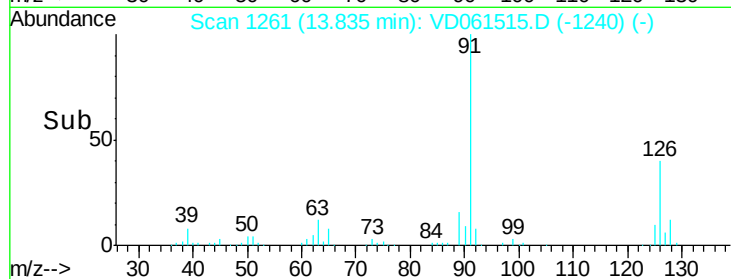
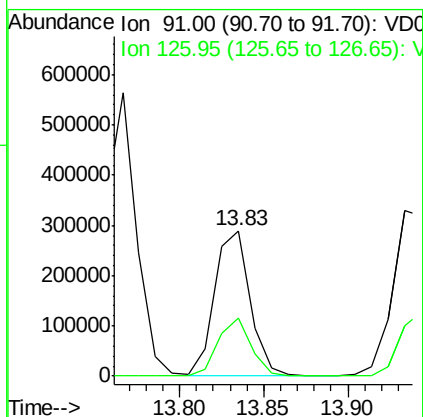
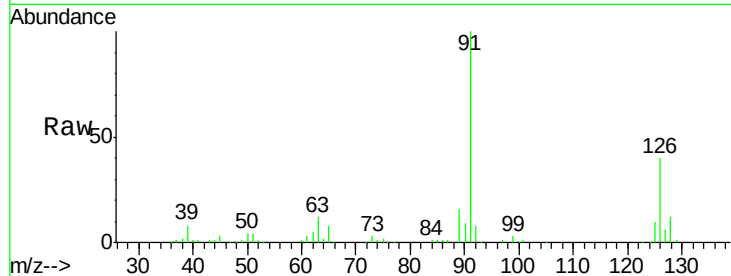
13.80



#79
 2-Chlorotoluene
 Concen: 21.289 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

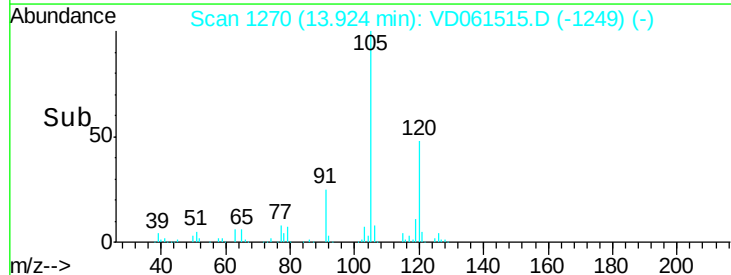
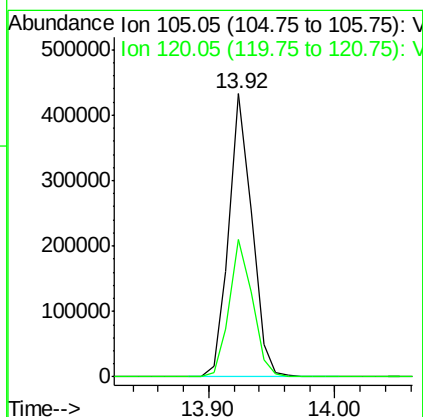
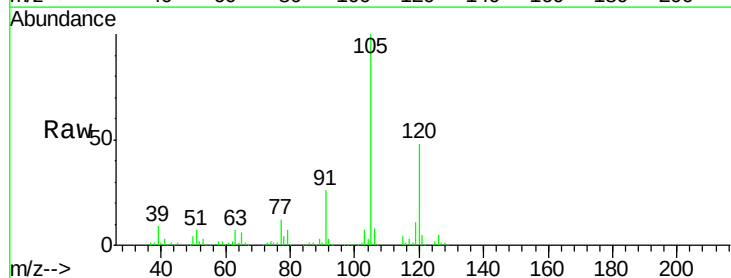
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

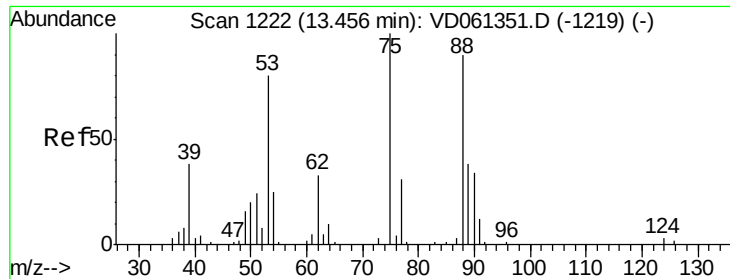
Tot Ion: 91 Resp: 423556
 Ion Ratio Lower Upper
 91 100
 126 39.7 19.4 58.2



#80
 1,3,5-Trimethylbenzene
 Concen: 23.535 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion: 105 Resp: 546762
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.197 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

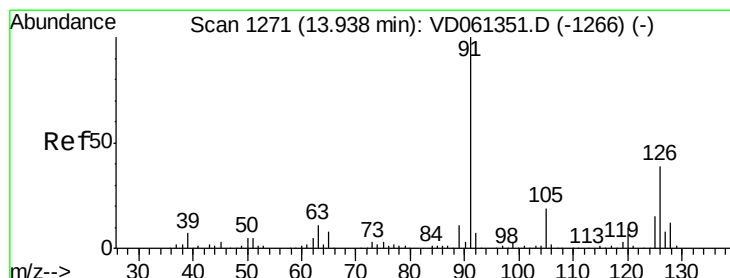
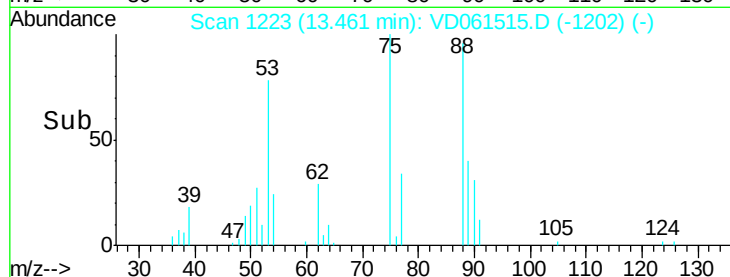
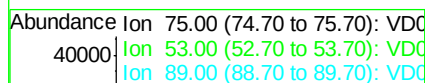
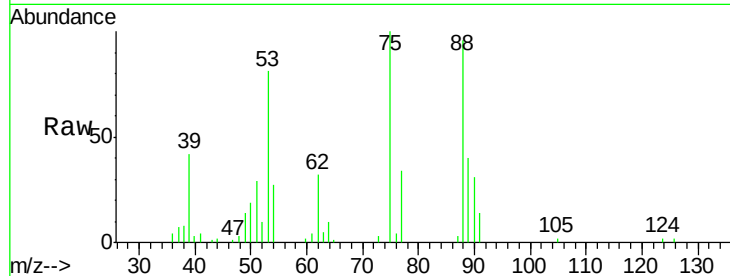
Tot Ion: 75 Resp: 40164

Ion Ratio Lower Upper

75 100

53 81.0 63.8 95.8

89 40.0 30.5 45.7



#82

4-Chlorotoluene

Concen: 24.107 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061515.D

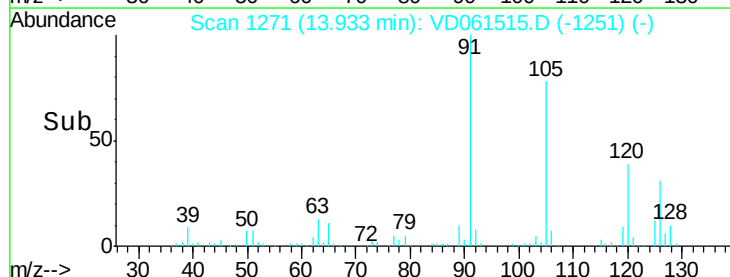
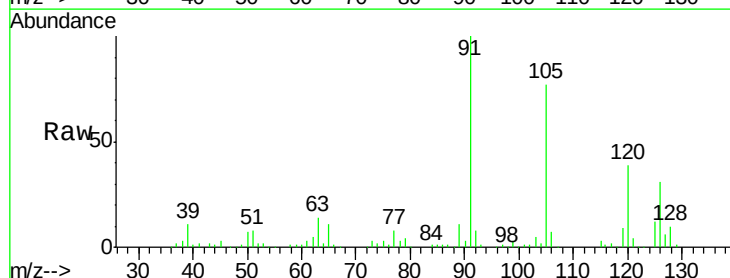
Acq: 2 Apr 2019 15:38

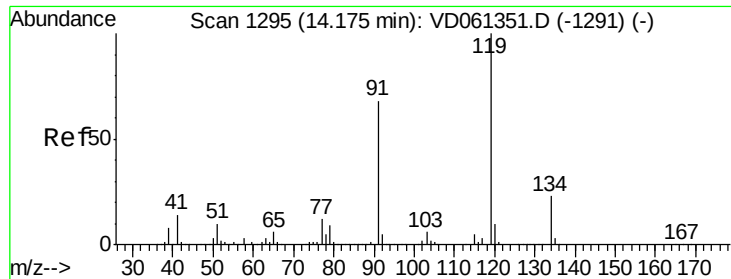
Tgt Ion: 91 Resp: 521520

Ion Ratio Lower Upper

91 100

126 30.7 19.6 58.8

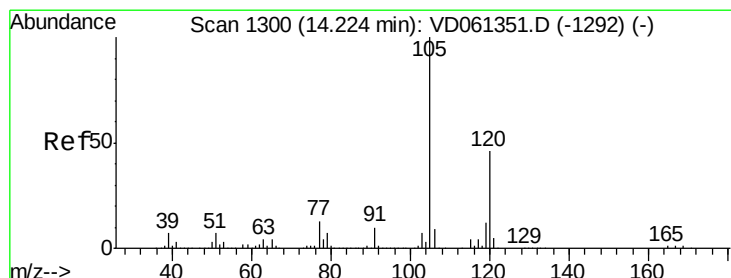
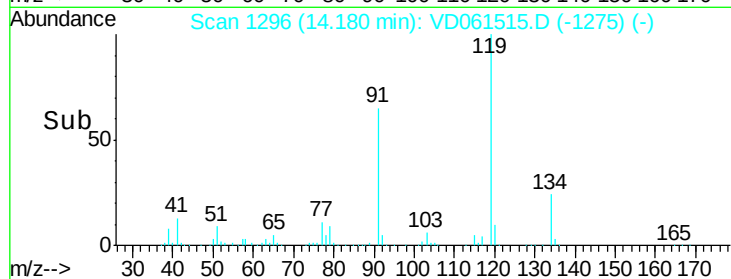
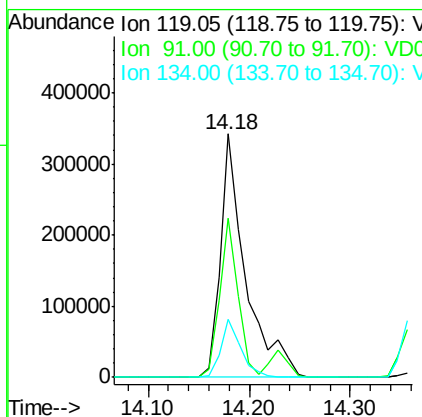
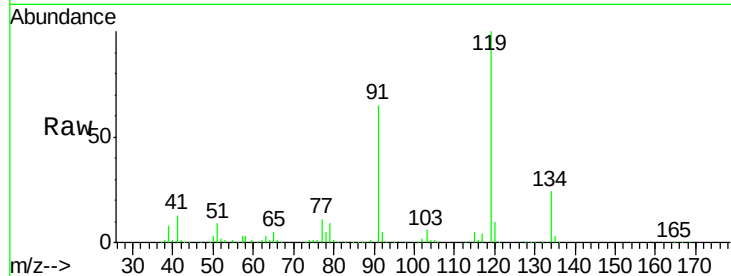




#83
 tert-Butylbenzene
 Concen: 20.564 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

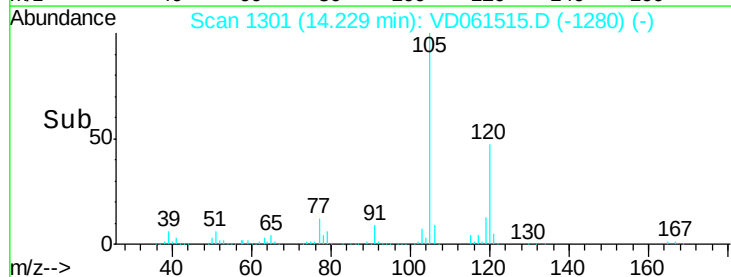
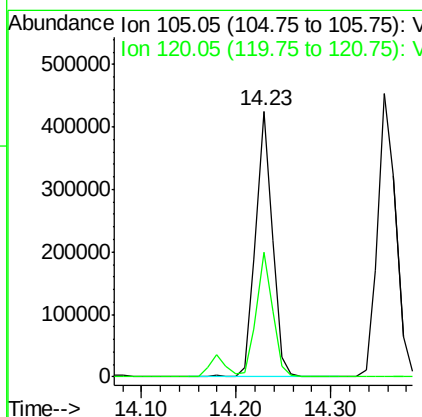
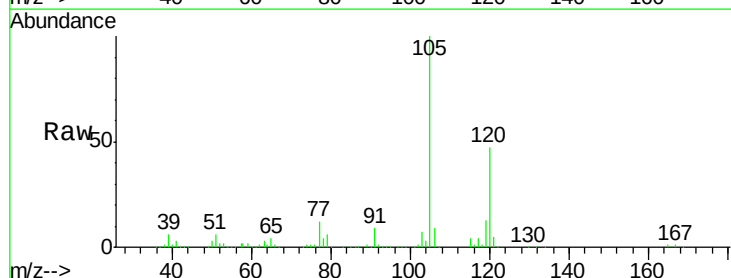
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

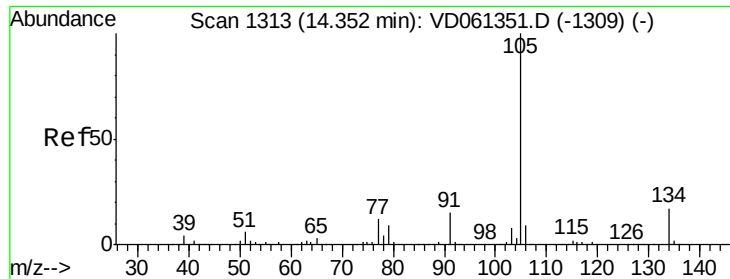
Tot Ion:119 Resp: 597029
 Ion Ratio Lower Upper
 119 100
 91 65.5 34.1 102.3
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.958 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion:105 Resp: 527104
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.8 68.4

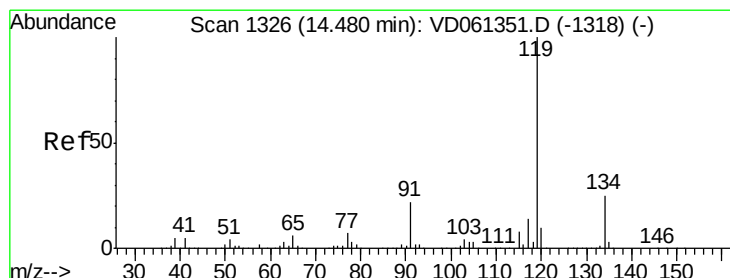
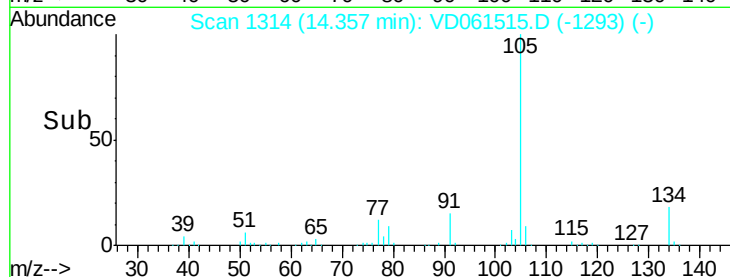
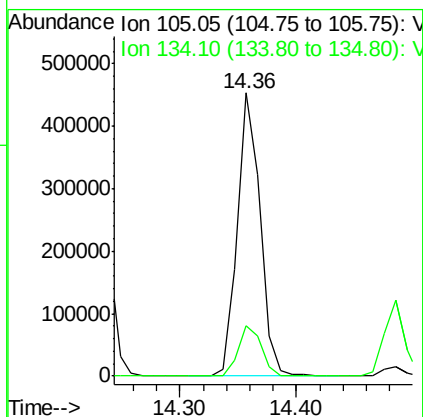
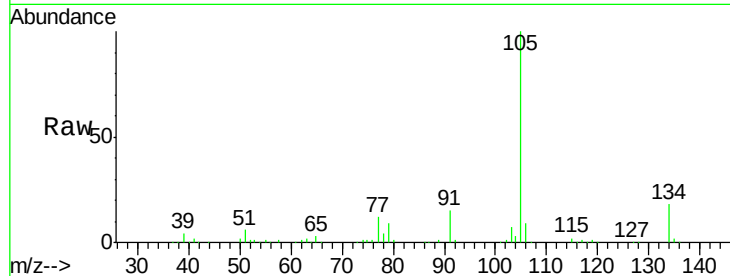




#85
 sec-Butylbenzene
 Concen: 19.794 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

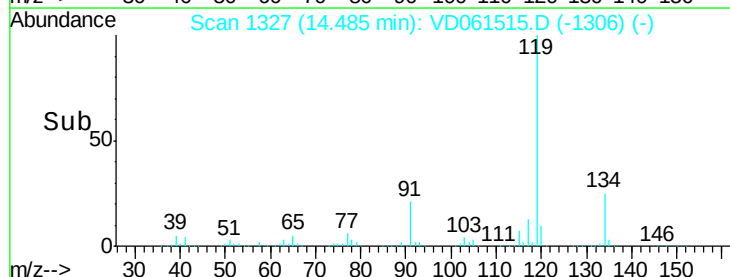
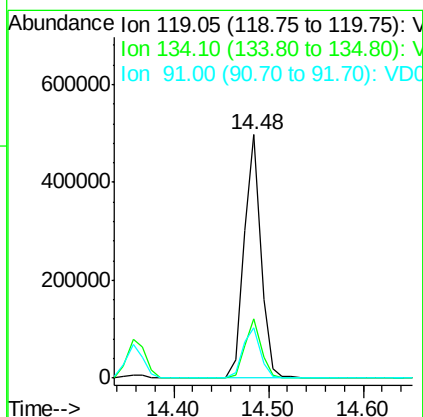
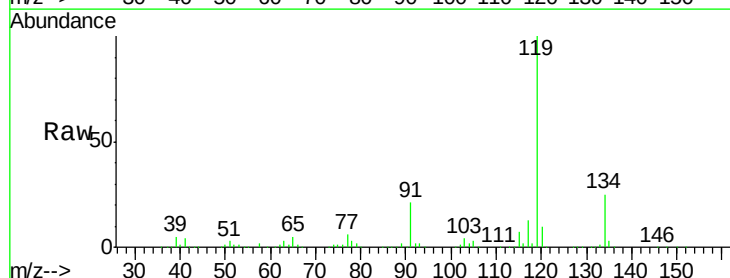
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

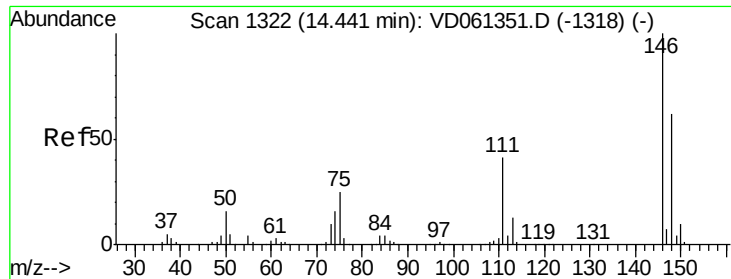
Tot Ion:105 Resp: 610502
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 23.268 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion:119 Resp: 606835
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.3 36.8
 91 20.8 11.1 33.1

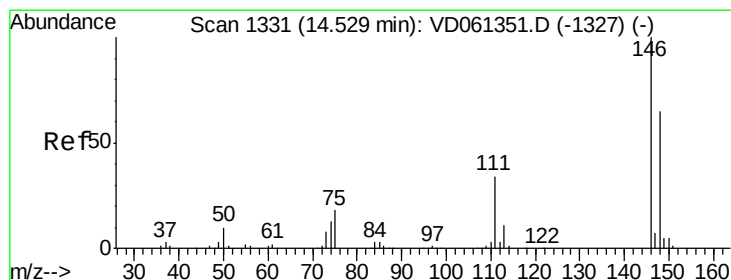
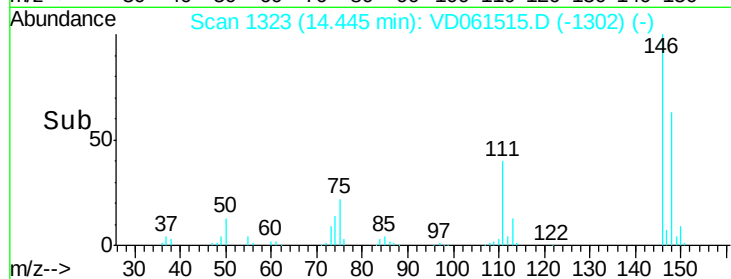
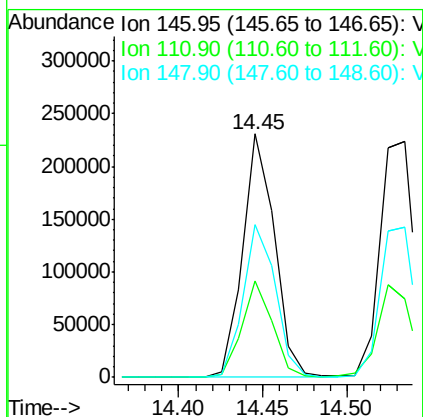
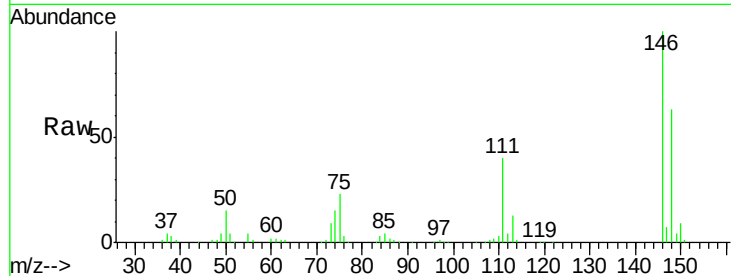




#87
 1,3-Dichlorobenzene
 Concen: 20.171 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

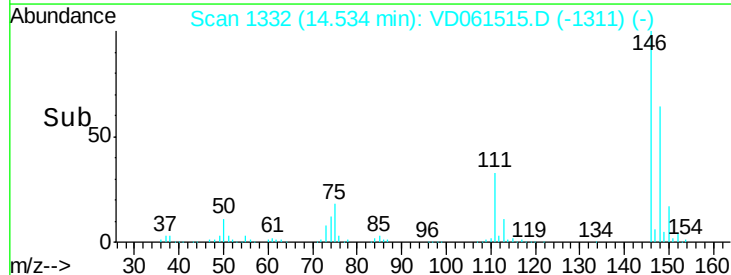
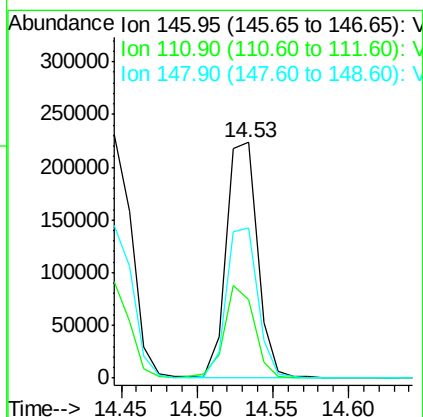
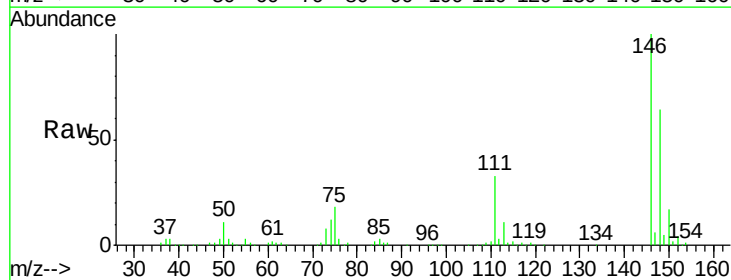
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBSD01

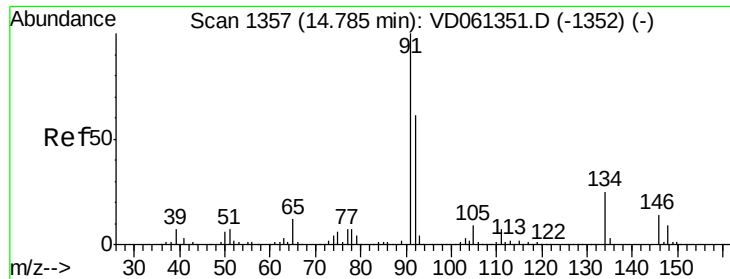
Tot Ion:146 Resp: 303193
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.6 61.9
 148 62.9 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 21.860 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion:146 Resp: 320444
 Ion Ratio Lower Upper
 146 100
 111 33.3 16.8 50.4
 148 63.5 32.6 98.0

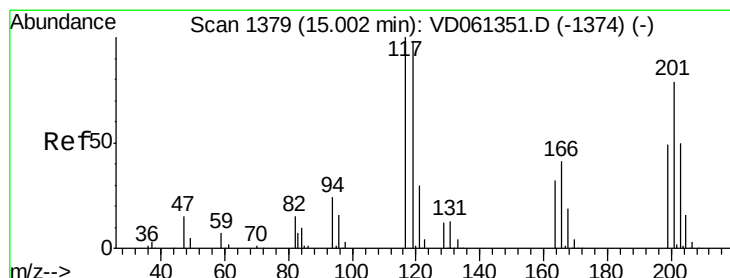
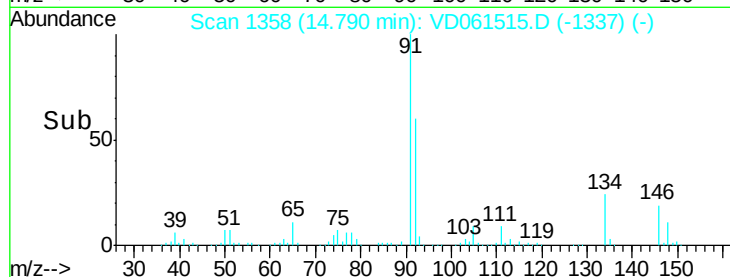
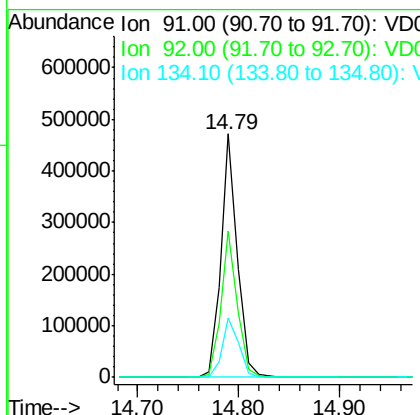
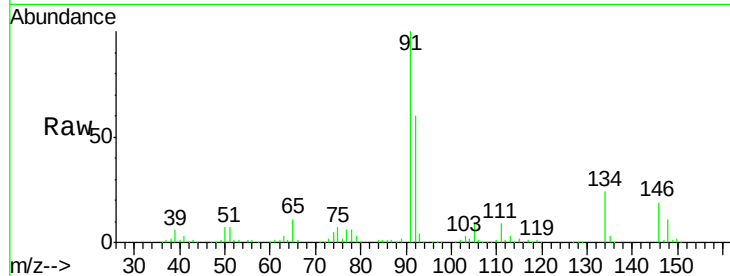




#89
n-Butylbenzene
Concen: 22.384 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

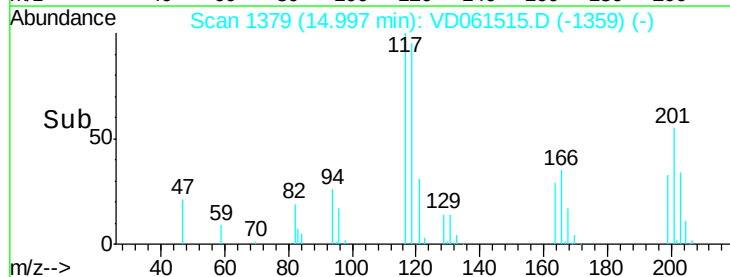
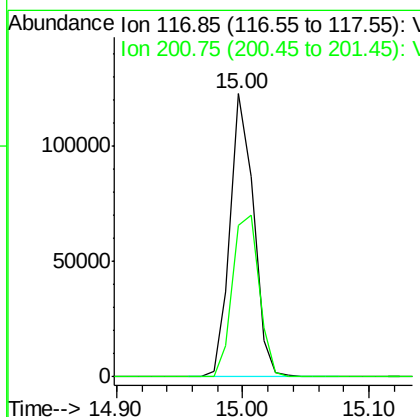
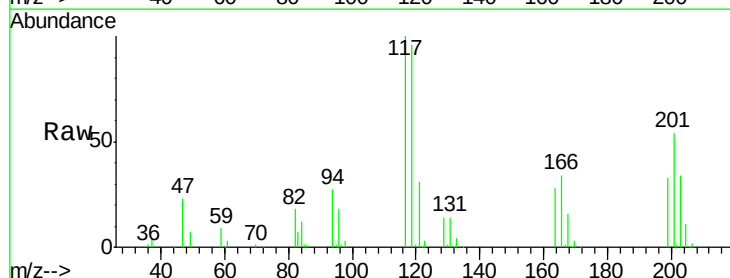
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

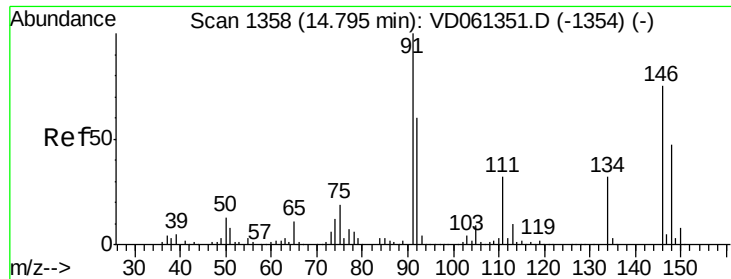
Tot Ion: 91 Resp: 535820
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 24.4 12.4 37.0



#90
Hexachloroethane
Concen: 21.489 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion: 117 Resp: 158336
Ion Ratio Lower Upper
117 100
201 53.7 39.6 119.0





#91

1,2-Dichlorobenzene

Concen: 21.957 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBSD01

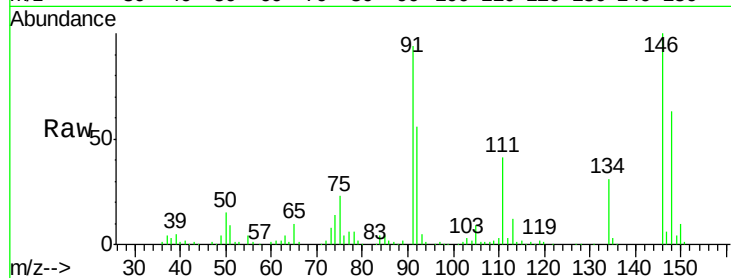
Tot Ion:146 Resp: 270715

Ion Ratio Lower Upper

146 100

111 40.8 21.2 63.6

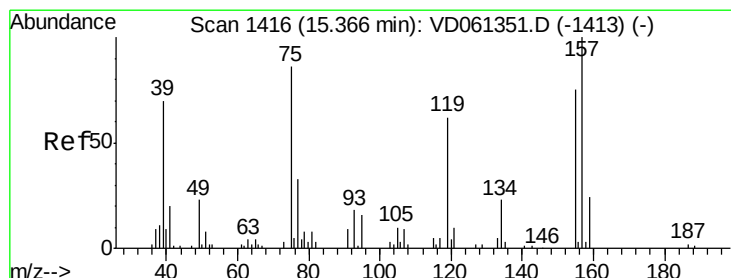
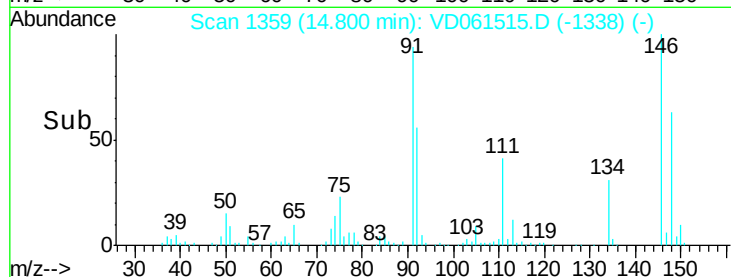
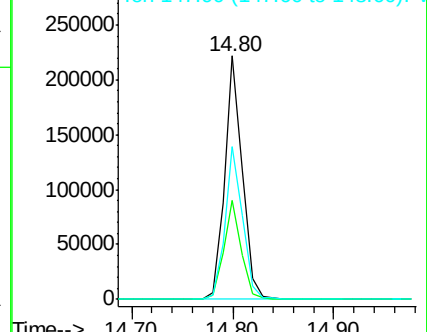
148 62.9 31.6 95.0



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: 21.388 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD061515.D

Acq: 2 Apr 2019 15:38

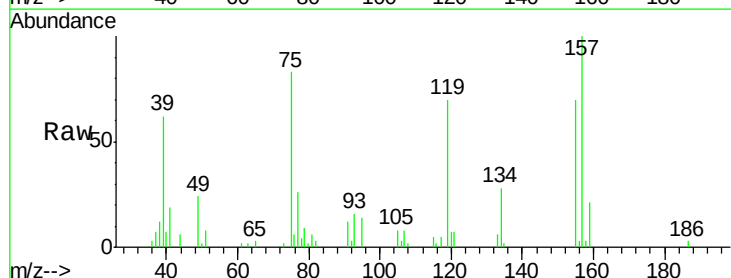
Tgt Ion: 75 Resp: 15844

Ion Ratio Lower Upper

75 100

155 84.8 43.6 130.9

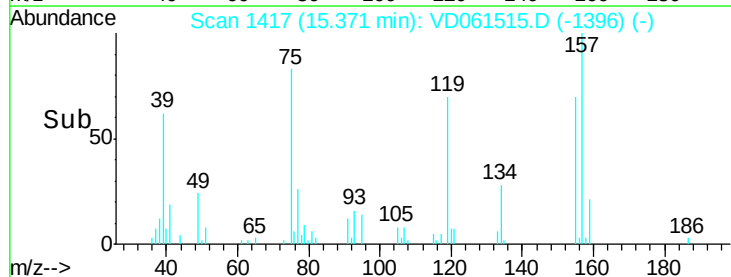
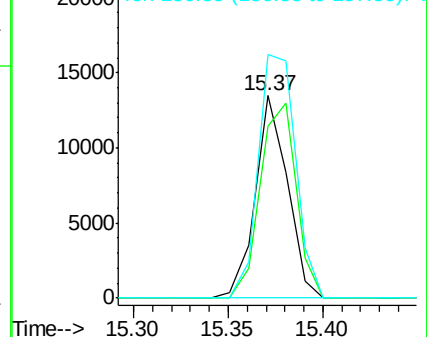
157 120.5 58.5 175.3

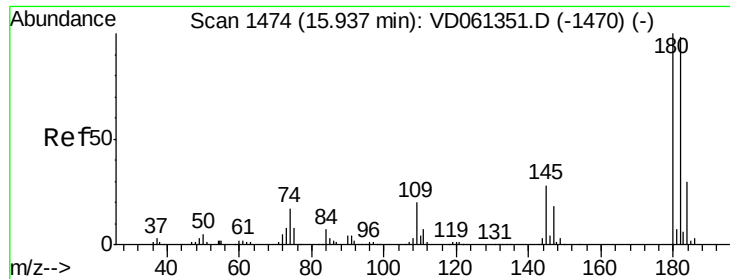


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

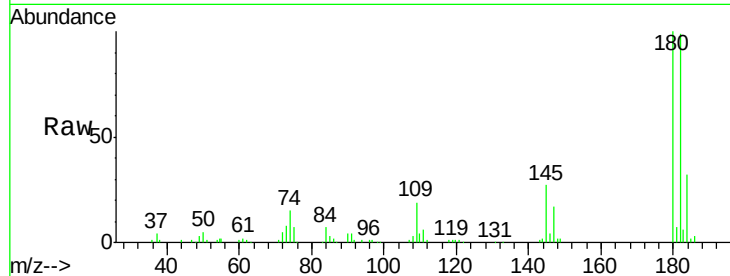




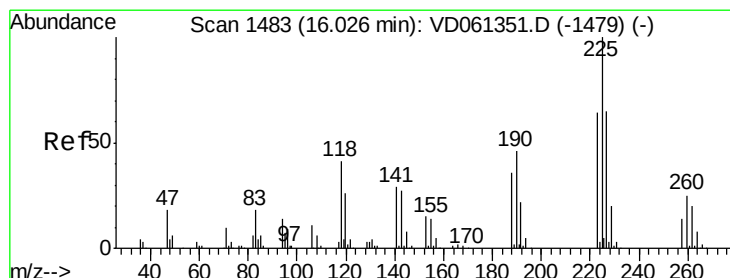
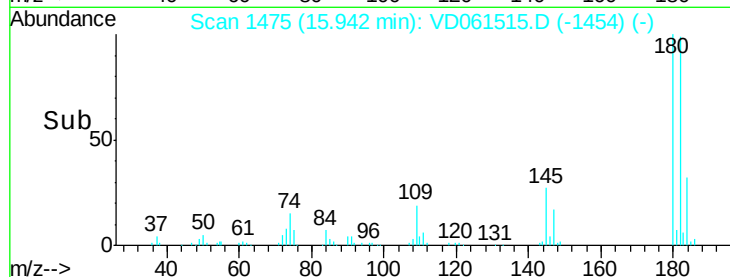
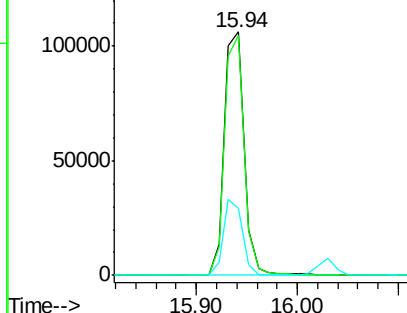
#93
 1,2,4-Trichlorobenzene
 Concen: 25.961 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

Tot Ion:180 Resp: 145812
 Ion Ratio Lower Upper
 180 100
 182 98.7 48.9 146.8
 145 27.3 14.1 42.3

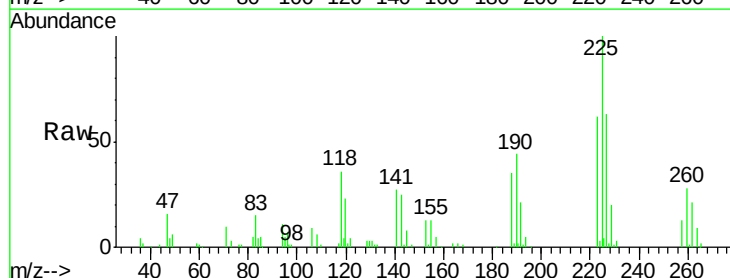


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

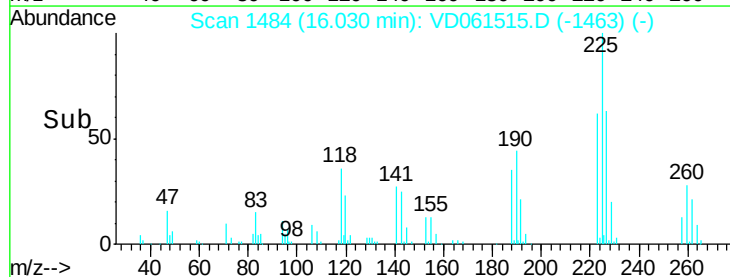
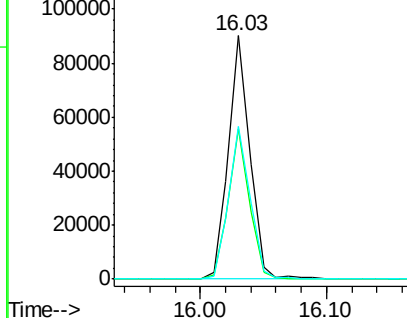


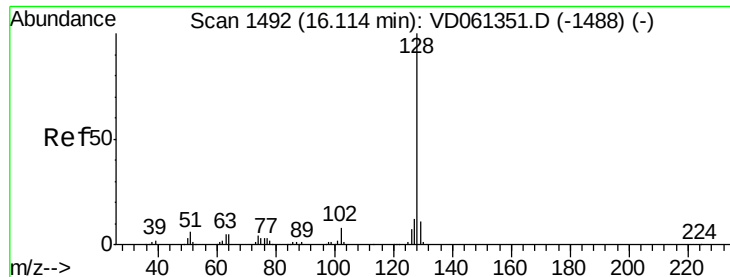
#94
 Hexachlorobutadiene
 Concen: 23.986 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061515.D
 Acq: 2 Apr 2019 15:38

Tgt Ion:225 Resp: 105270
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.0 96.0
 227 62.6 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

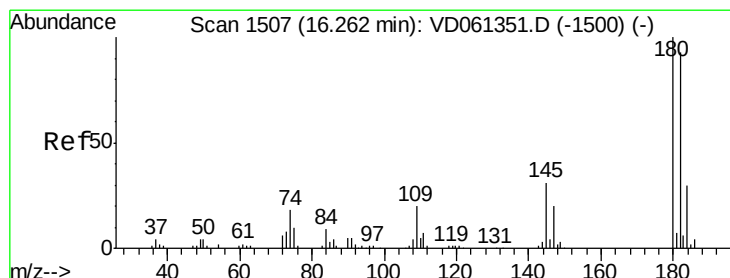
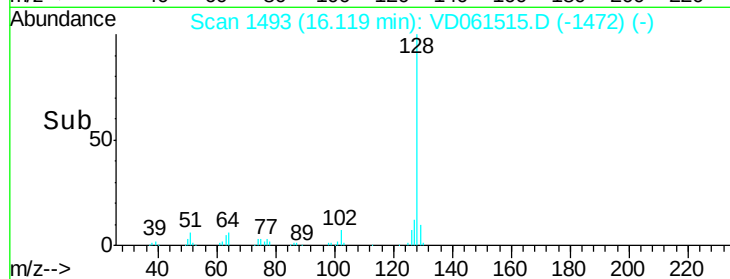
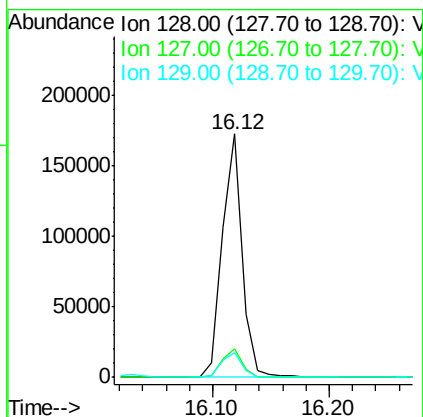
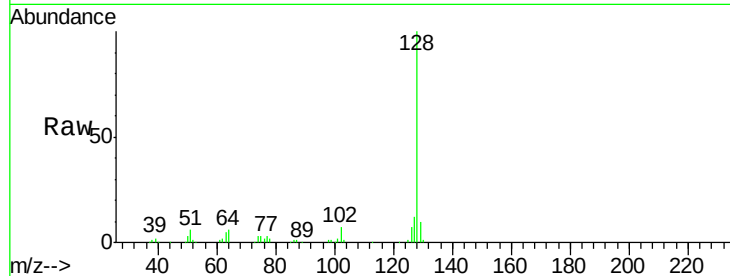




#95
Naphthalene
Concen: 23.797 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBSD01

Tot Ion:128 Resp: 203729
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 28.936 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061515.D
Acq: 2 Apr 2019 15:38

Tgt Ion:180 Resp: 71515
Ion Ratio Lower Upper
180 100
182 98.0 46.4 139.1
145 29.1 15.3 45.9

