

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061935.D
 Acq On : 22 Apr 2019 13:34
 Operator : VA/AP
 Sample : VD0422SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Quant Time: Apr 22 23:30:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	521845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	837222	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	842405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	379313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	235449	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
35) Dibromofluoromethane	6.93	113	333852	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	10.41	98	916198	61.13	ug/l	0.00
Spiked Amount			Recovery	=	122.26%	
62) 4-Bromofluorobenzene	13.55	95	354909	58.43	ug/l	0.00
Spiked Amount			Recovery	=	116.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	111579	21.907	ug/l	99
3) Chloromethane	1.76	50	107022	26.365	ug/l	95
4) Vinyl Chloride	1.86	62	93601	23.234	ug/l	99
5) Bromomethane	2.15	94	21482	21.746	ug/l	95
6) Chloroethane	2.26	64	30792	22.405	ug/l	97
7) Trichlorofluoromethane	2.53	101	143208	21.919	ug/l	98
8) Diethyl Ether	2.88	74	34411	20.097	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	129349	22.203	ug/l	96
10) Methyl Iodide	3.30	142	134156	16.925	ug/l	99
11) Tert butyl alcohol	4.06	59	29350	113.795	ug/l	97
12) 1,1-Dichloroethene	3.13	96	107806	22.012	ug/l	96
13) Acrolein	3.04	56	17605	70.508	ug/l	94
14) Allyl chloride	3.62	41	145373	21.776	ug/l	97
15) Acrylonitrile	4.19	53	83441	103.051	ug/l	94
16) Acetone	3.22	43	118033	109.501	ug/l	99
17) Carbon Disulfide	3.37	76	302691	19.128	ug/l	100
18) Methyl Acetate	3.64	43	48751	22.565	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	203561	22.272	ug/l	98
20) Methylene Chloride	3.82	84	124388	20.510	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	116211	21.591	ug/l	99
22) Diisopropyl ether	5.12	45	312043	21.867	ug/l	97
23) Vinyl Acetate	5.06	43	824198	108.046	ug/l	99
24) 1,1-Dichloroethane	4.99	63	184631	21.340	ug/l	98
25) 2-Butanone	6.07	43	134640	109.715	ug/l	95
26) 2,2-Dichloropropane	6.02	77	182519	24.407	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	130360	22.342	ug/l	92
28) Bromochloromethane	6.43	49	69820	21.246	ug/l	98
29) Tetrahydrofuran	6.45	42	59998	100.369	ug/l	97
30) Chloroform	6.66	83	220931	22.894	ug/l	99
31) Cyclohexane	6.96	56	140888	21.272	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	186455	21.796	ug/l	99
36) 1,1-Dichloropropene	7.15	75	155967	22.797	ug/l	97
37) Ethyl Acetate	6.18	43	66892	22.845	ug/l #	93
38) Carbon Tetrachloride	7.11	117	198428	22.969	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	161803	22.775	ug/l	99
40) Benzene	7.46	78	360130	21.926	ug/l	98
41) Methacrylonitrile	6.44	41	71383	20.626	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	134701	23.548	ug/l	95
43) Isopropyl Acetate	9.24	43	95232	23.112	ug/l	100
44) Trichloroethene	8.54	130	148221	23.442	ug/l	99
45) 1,2-Dichloropropane	8.94	63	96754	22.615	ug/l	97
46) Dibromomethane	9.06	93	71053	23.308	ug/l	98
47) Bromodichloromethane	9.38	83	176324	25.072	ug/l	99
48) Methyl methacrylate	9.12	41	55816	23.045	ug/l	92
49) 1,4-Dioxane	9.08	88	12369	467.218	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	340809	135.250	ug/l	99
52) Toluene	10.51	92	269393	25.594	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	167148	26.376	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	194557	26.155	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	89155	25.137	ug/l	96
56) Ethyl methacrylate	11.04	69	107100	27.513	ug/l	98
57) 1,3-Dichloropropane	11.41	76	143831	26.975	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	243185	131.344	ug/l	95
59) 2-Hexanone	11.53	43	258934	138.353	ug/l	98
60) Dibromochloromethane	11.68	129	149653	25.788	ug/l	98
61) 1,2-Dibromoethane	11.81	107	110487	25.335	ug/l	96
64) Tetrachloroethene	11.26	164	122726	19.426	ug/l	98
65) Chlorobenzene	12.40	112	329395	20.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	132112	20.095	ug/l	97
67) Ethyl Benzene	12.53	91	537478	21.393	ug/l	99
68) m/p-Xylenes	12.67	106	417041	44.190	ug/l	98
69) o-Xylene	13.05	106	191628	21.603	ug/l	97
70) Styrene	13.07	104	334207	21.894	ug/l	97
71) Bromoform	13.24	173	88204	22.602	ug/l	95
73) Isopropylbenzene	13.40	105	536286	21.800	ug/l	100
74) N-amyl acetate	13.27	43	133402	20.167	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	109375	22.493	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	111687	22.421	ug/l	99
77) Bromobenzene	13.67	156	158594	22.696	ug/l	89
78) n-propylbenzene	13.78	91	638776	22.475	ug/l	98
79) 2-Chlorotoluene	13.84	91	368218	22.178	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	437198	22.399	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	28359	19.720	ug/l	95
82) 4-Chlorotoluene	13.94	91	398358	20.962	ug/l	92
83) tert-Butylbenzene	14.19	119	539169	23.525	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	434207	22.130	ug/l	98
85) sec-Butylbenzene	14.37	105	581221	24.532	ug/l	99
86) p-Isopropyltoluene	14.49	119	509054	22.963	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	274735	22.521	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	265870	22.048	ug/l	97
89) n-Butylbenzene	14.80	91	473737	24.142	ug/l	98
90) Hexachloroethane	15.01	117	131500	21.764	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	243407	23.820	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	15103	25.322	ug/l	94

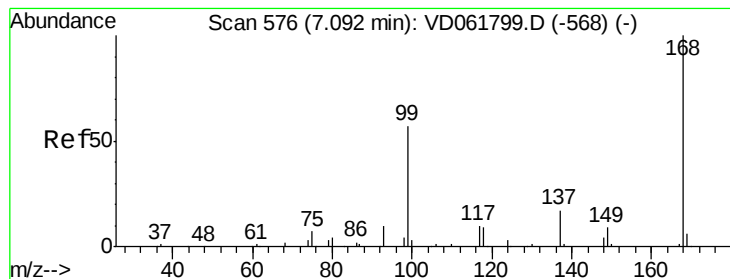
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	128087	22.822	ug/l	93
94) Hexachlorobutadiene	16.04	225	90940	22.359	ug/l	97
95) Naphthalene	16.12	128	196680	22.864	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	74410	23.266	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

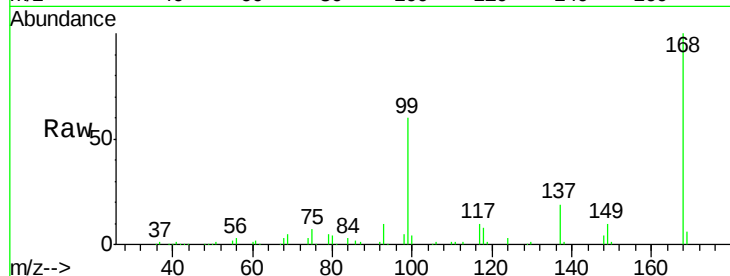
VD0422SBS01

Tot Ion:168 Resp: 521845

Ion Ratio Lower Upper

168 100

99 60.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

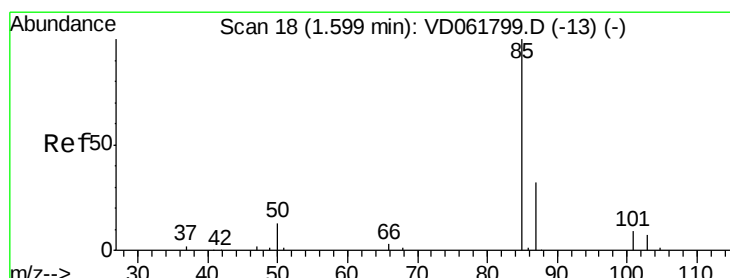
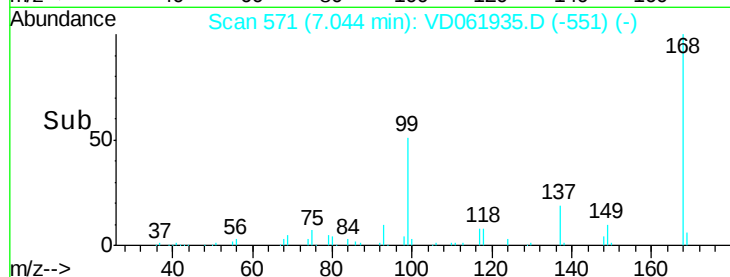
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.907 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061935.D

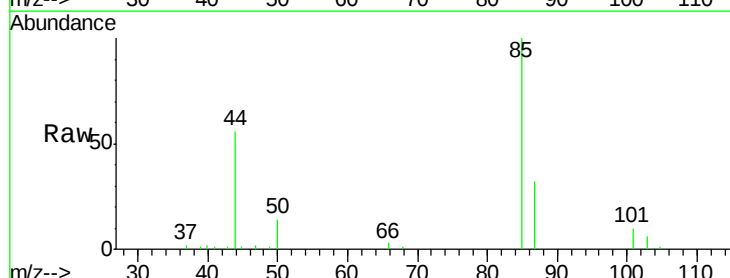
Acq: 22 Apr 2019 13:34

Tgt Ion: 85 Resp: 111579

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

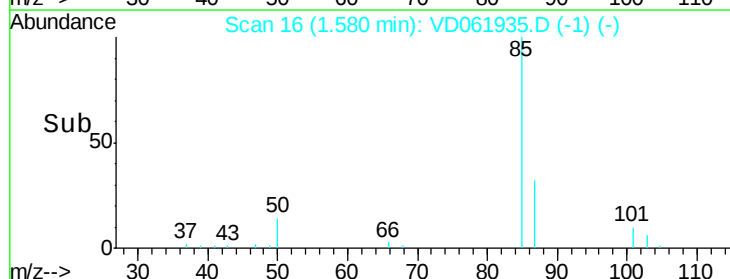
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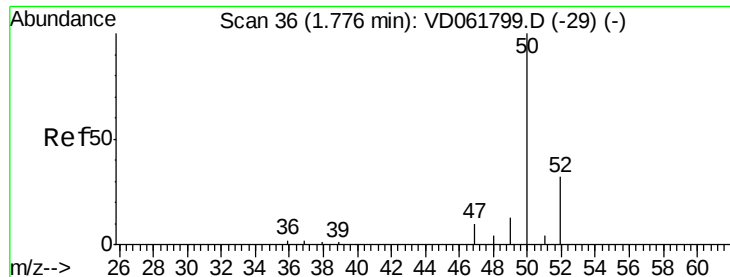
20000

10000

0

Time-->





#3

Chloromethane

Concen: 26.365 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

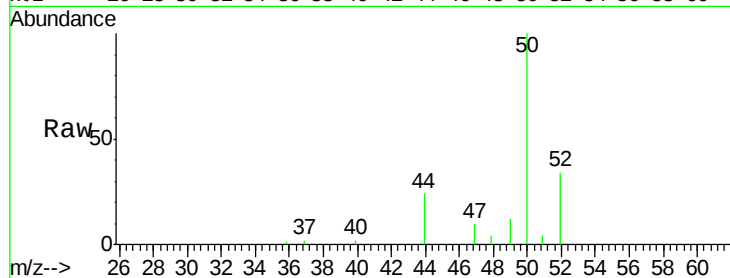
VD0422SBS01

Tot Ion: 50 Resp: 107022

Ion Ratio Lower Upper

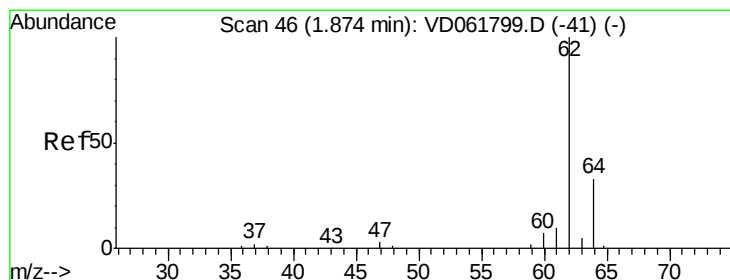
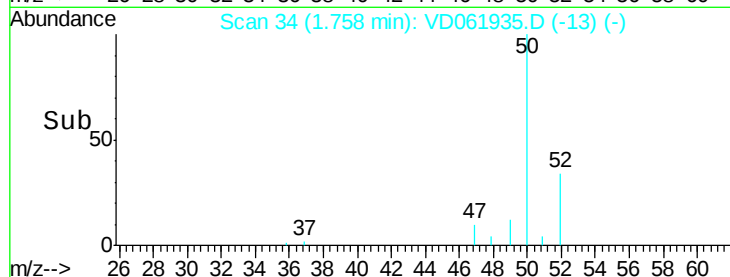
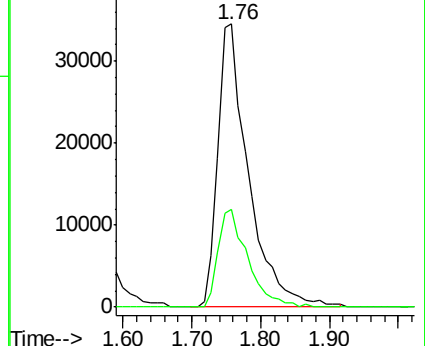
50 100

52 34.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.234 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061935.D

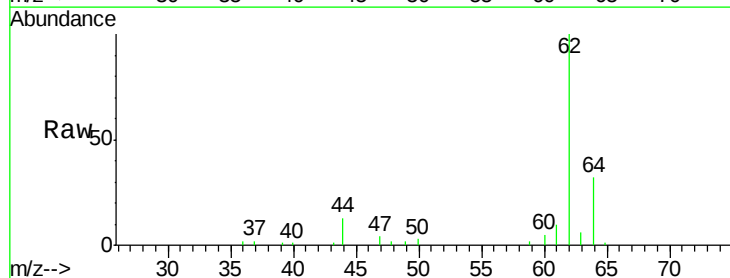
Acq: 22 Apr 2019 13:34

Tgt Ion: 62 Resp: 93601

Ion Ratio Lower Upper

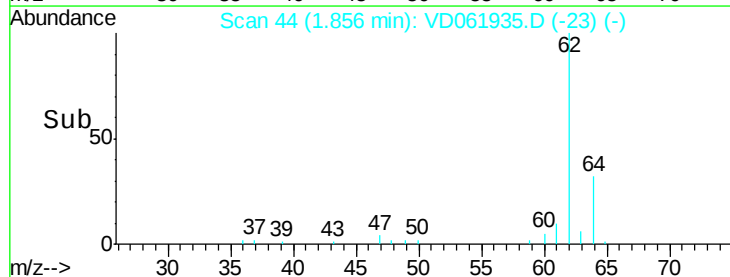
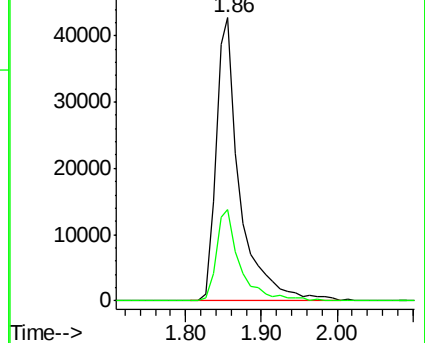
62 100

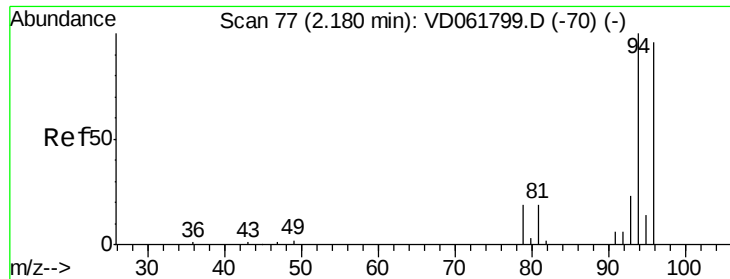
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

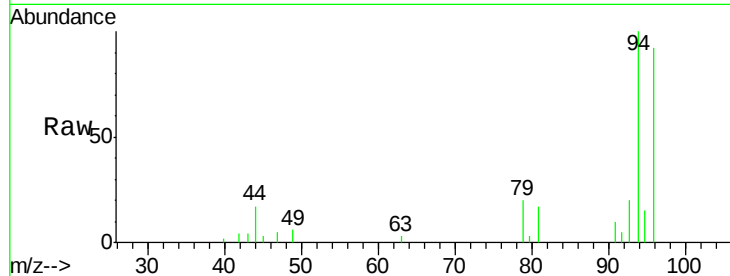




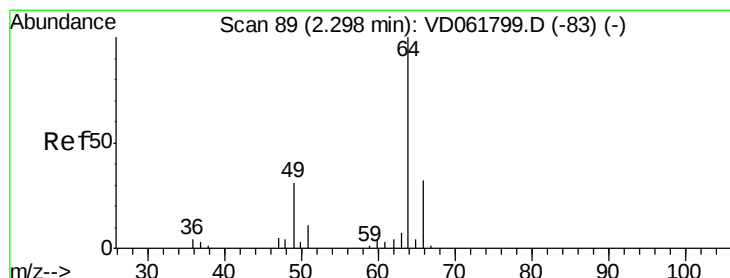
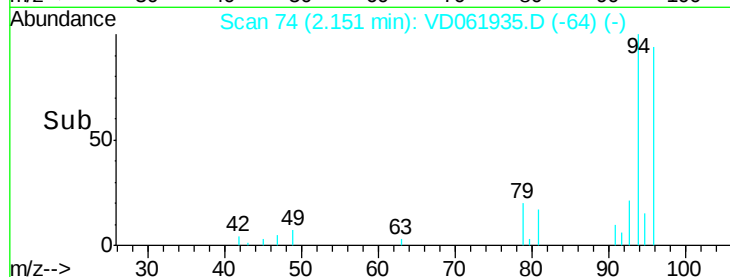
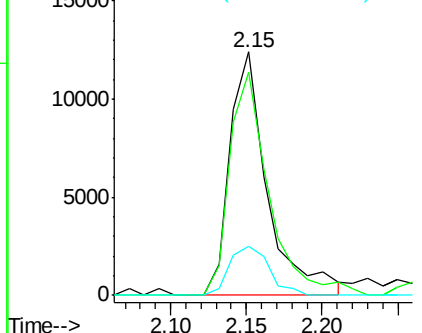
#5
Bromomethane
Concen: 21.746 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion: 94 Resp: 21482
Ion Ratio Lower Upper
94 100
96 91.6 76.6 115.0
93 20.2 18.5 27.7

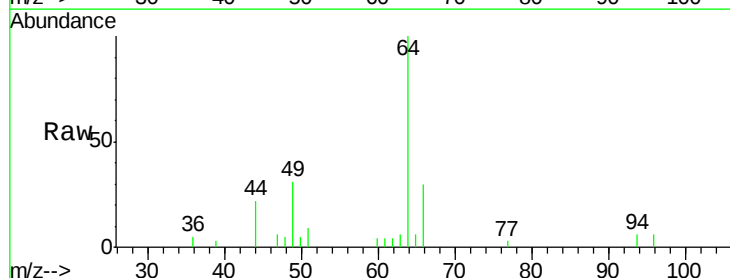


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

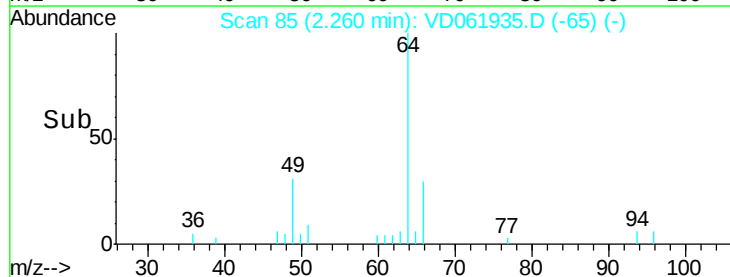
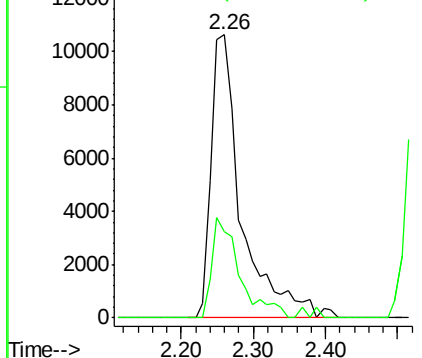


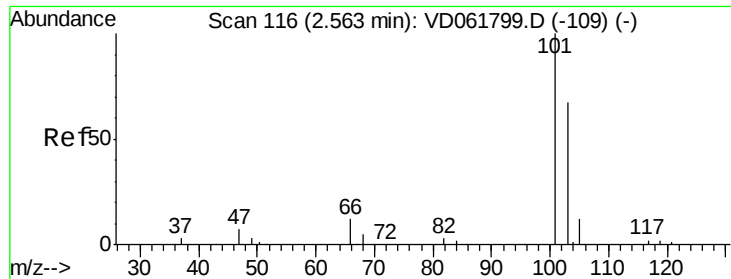
#6
Chloroethane
Concen: 22.405 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 64 Resp: 30792
Ion Ratio Lower Upper
64 100
66 30.5 25.6 38.4



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



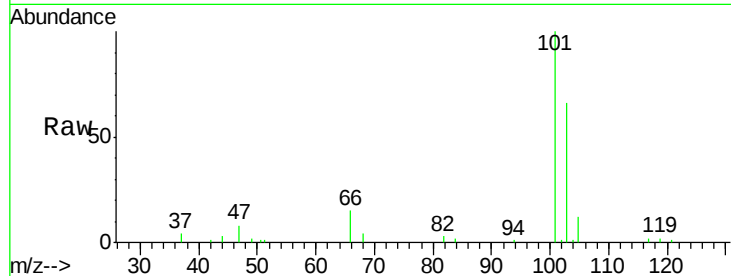


#7

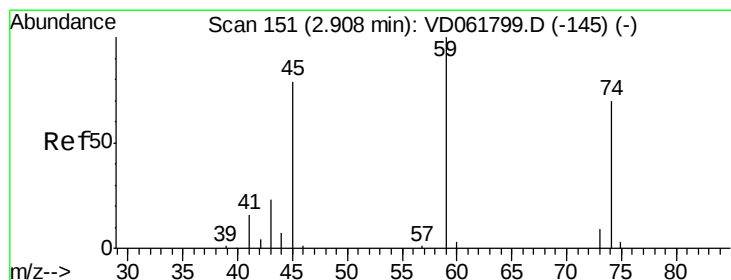
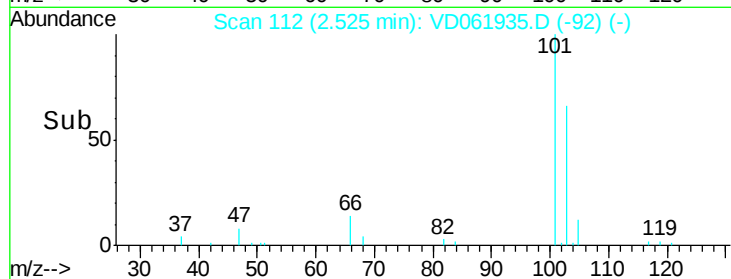
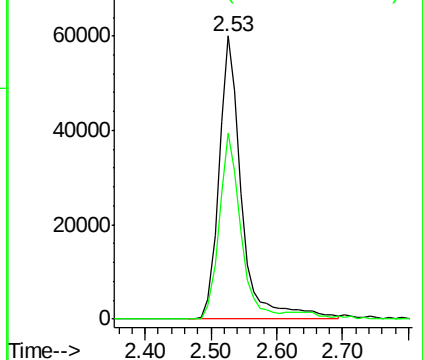
Trichlorofluoromethane
 Concen: 21.919 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion:101 Resp: 143208
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.6 80.4



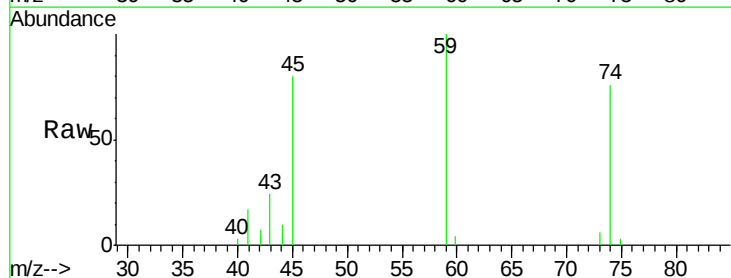
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



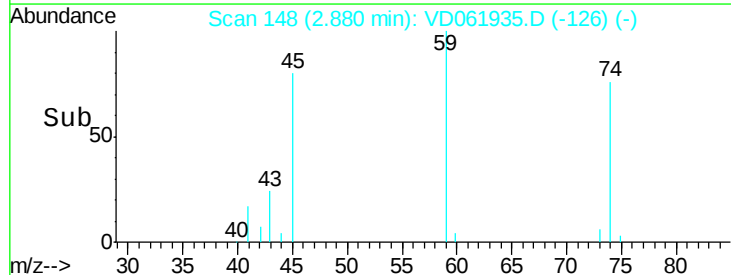
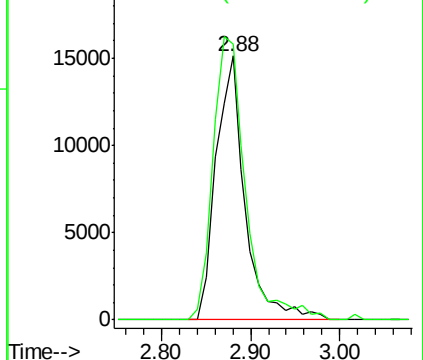
#8

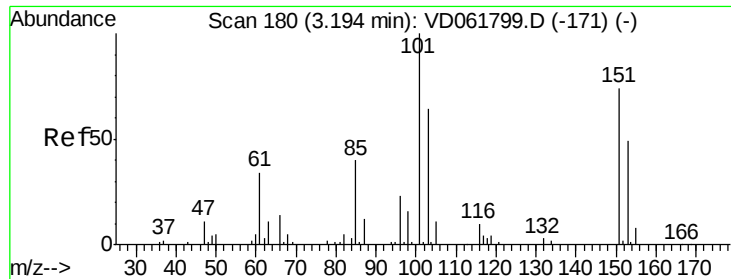
Diethyl Ether
 Concen: 20.097 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 74 Resp: 34411
 Ion Ratio Lower Upper
 74 100
 45 104.7 56.9 170.7



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: 22.203 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

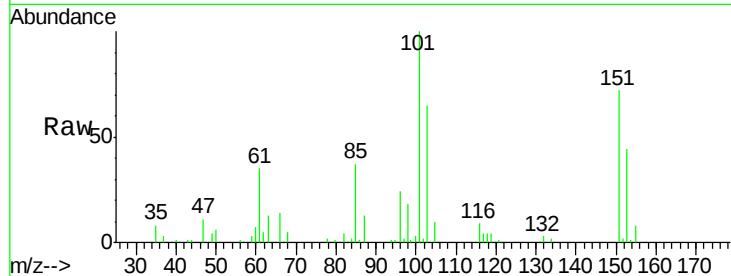
Tot Ion:101 Resp: 129349

Ion Ratio Lower Upper

101 100

85 37.2 32.4 48.6

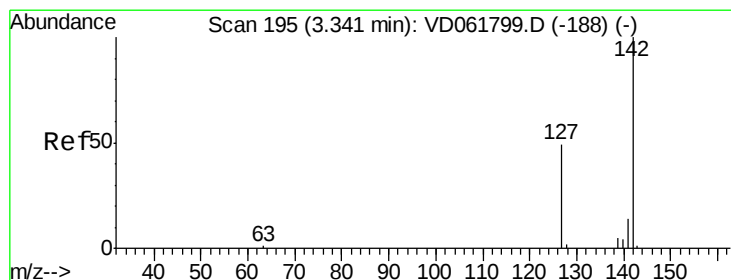
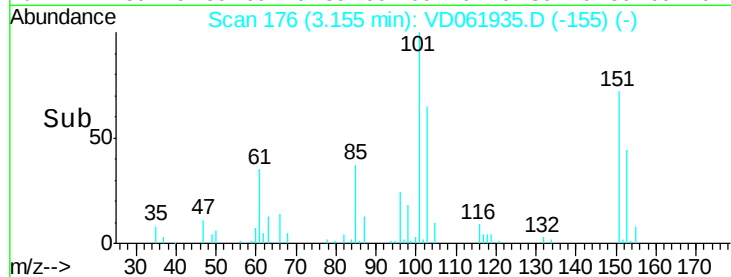
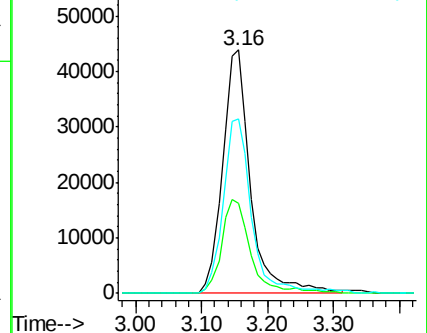
151 71.7 59.4 89.0



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: 16.925 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

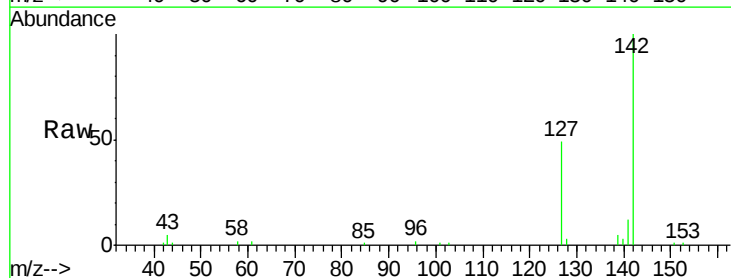
Tgt Ion:142 Resp: 134156

Ion Ratio Lower Upper

142 100

127 48.8 38.8 58.2

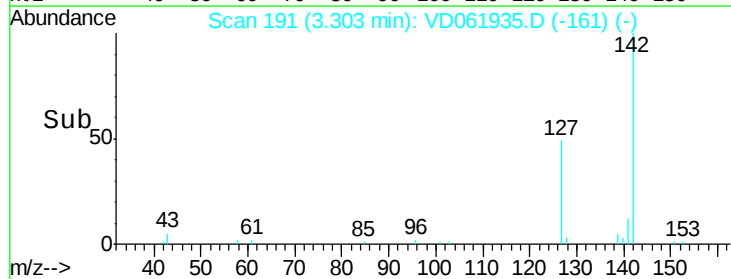
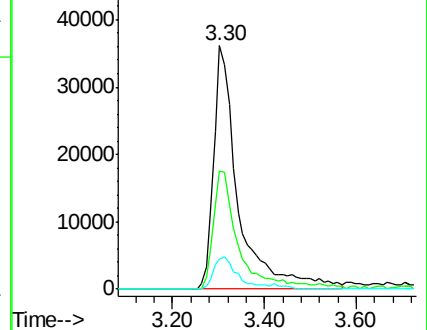
141 12.1 11.4 17.0

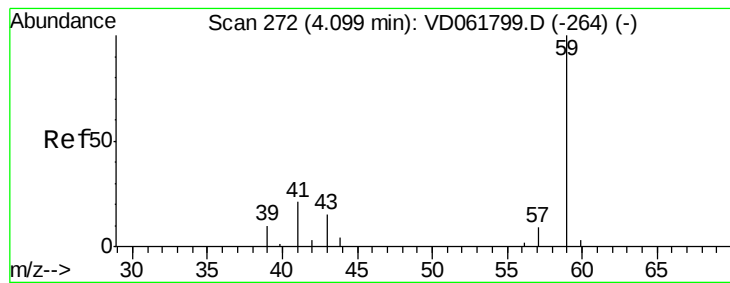


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



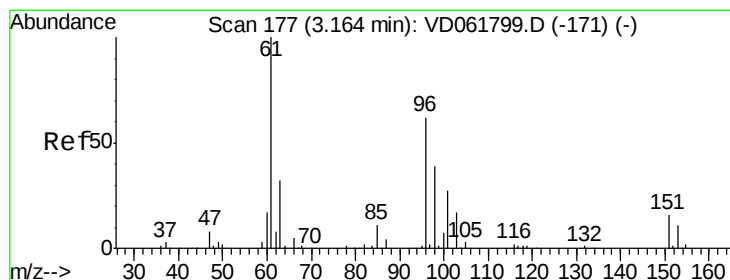
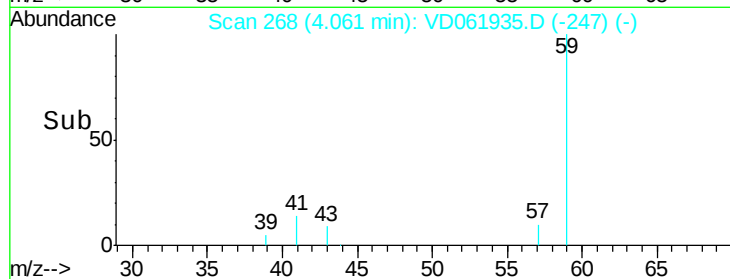
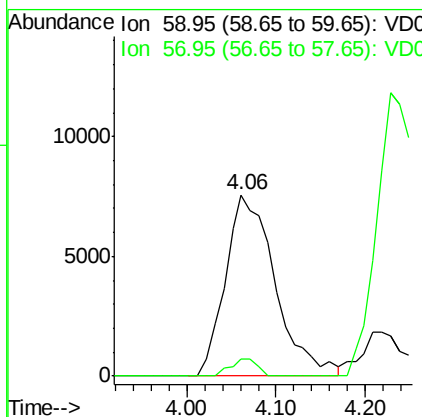
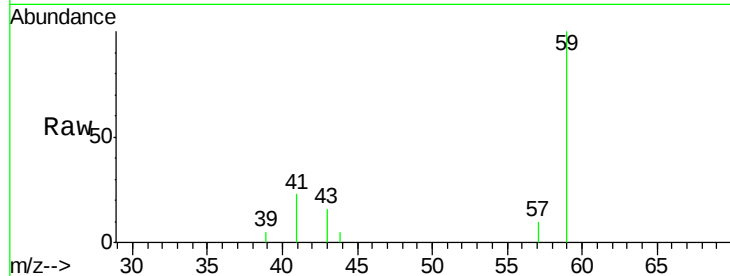


#11

Tert butyl alcohol
 Concen: 113.795 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

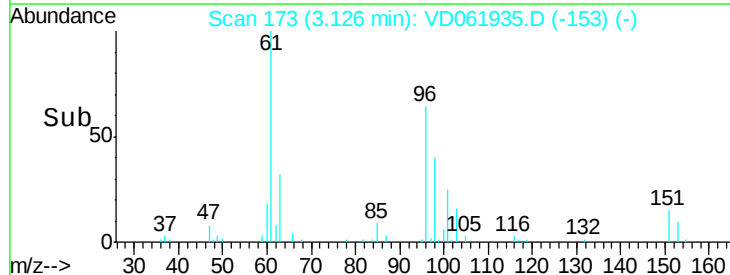
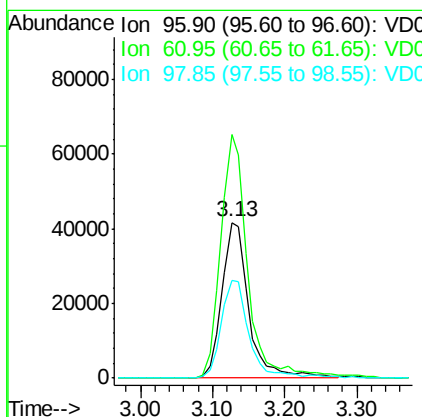
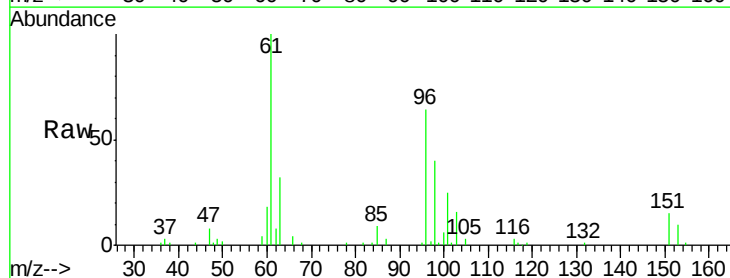
Tot Ion: 59 Resp: 29350
 Ion Ratio Lower Upper
 59 100
 57 9.7 6.9 10.3

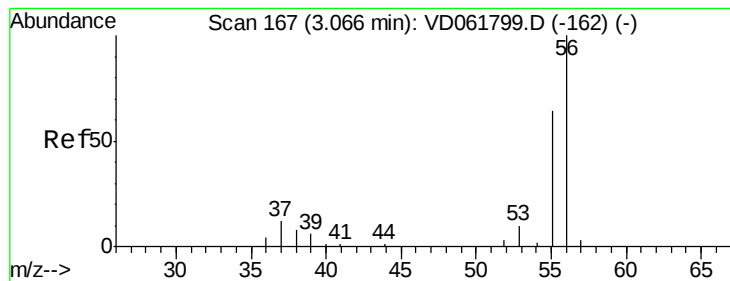


#12

1,1-Dichloroethene
 Concen: 22.012 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 96 Resp: 107806
 Ion Ratio Lower Upper
 96 100
 61 156.6 129.8 194.8
 98 62.7 51.2 76.8





#13

Acrolein

Concen: 70.508 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

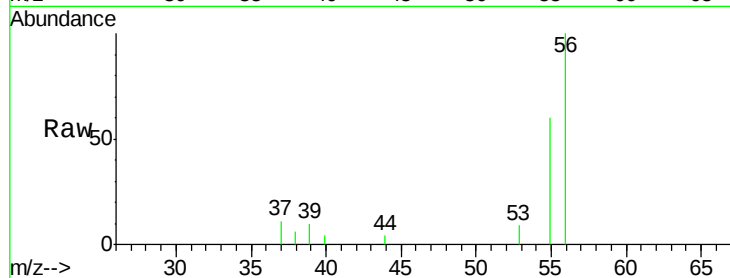
VD0422SBS01

Tot Ion: 56 Resp: 17605

Ion Ratio Lower Upper

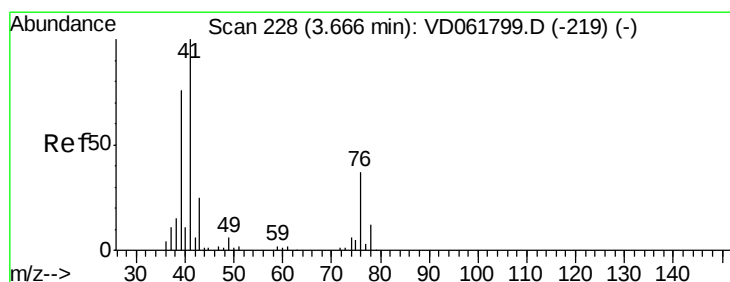
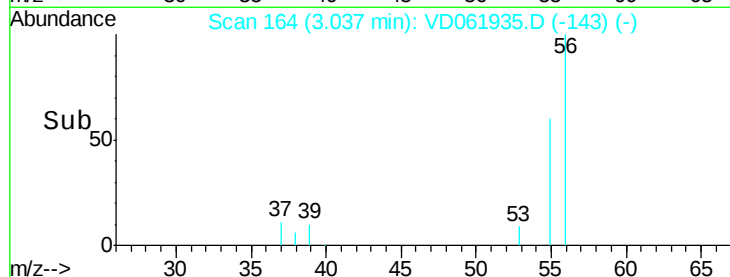
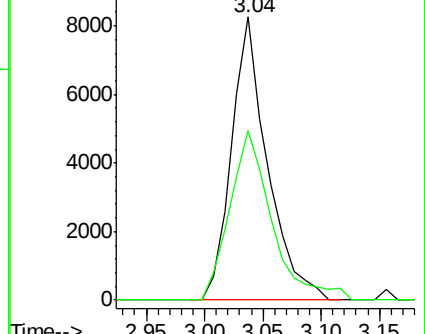
56 100

55 59.9 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.776 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

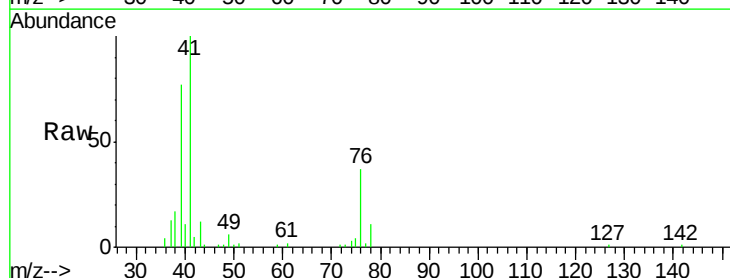
Tgt Ion: 41 Resp: 145373

Ion Ratio Lower Upper

41 100

39 77.3 60.5 90.7

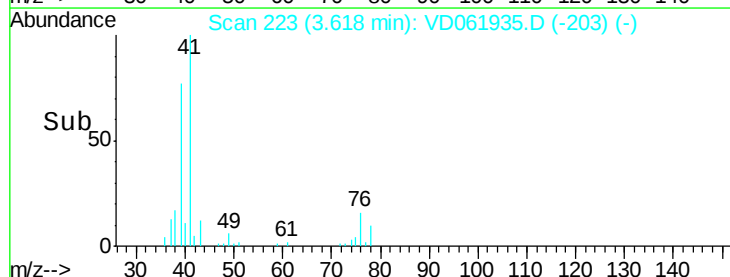
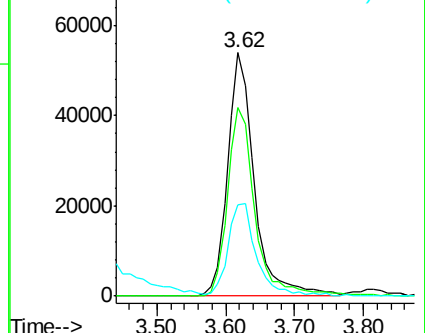
76 37.4 31.8 47.8

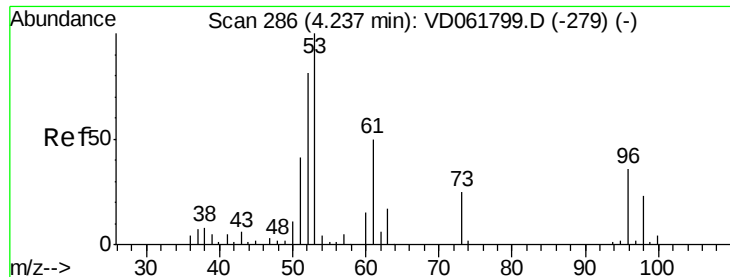


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 103.051 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

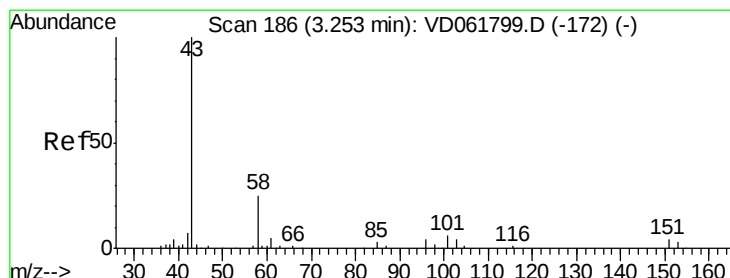
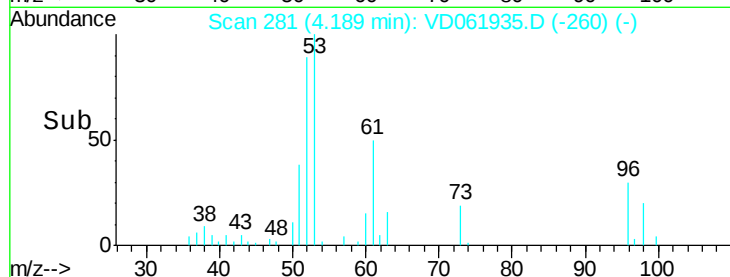
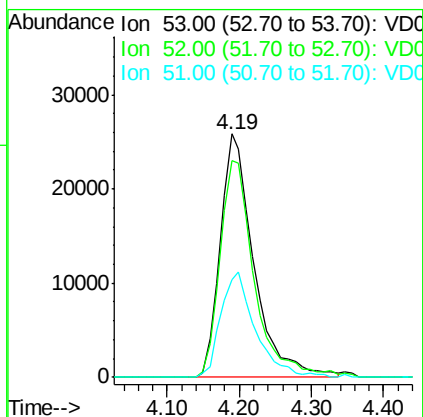
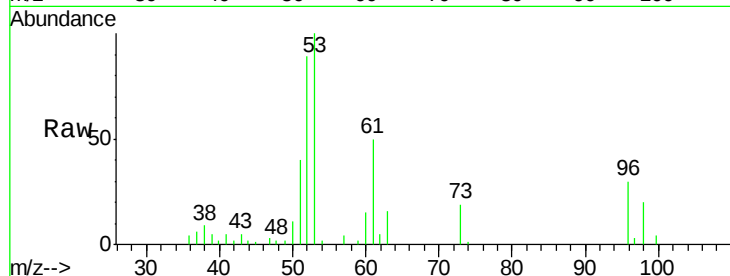
Tot Ion: 53 Resp: 83441

Ion Ratio Lower Upper

53 100

52 89.3 65.0 97.4

51 40.1 32.6 48.8



#16

Acetone

Concen: 109.501 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061935.D

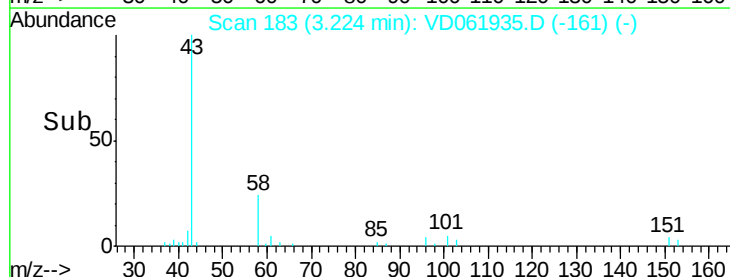
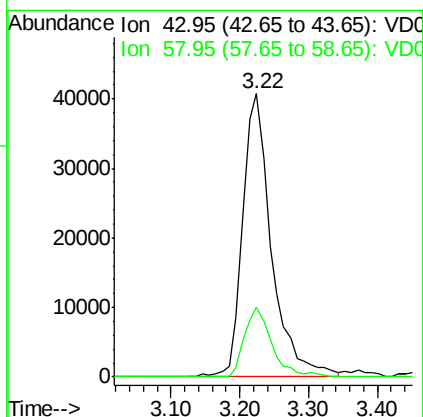
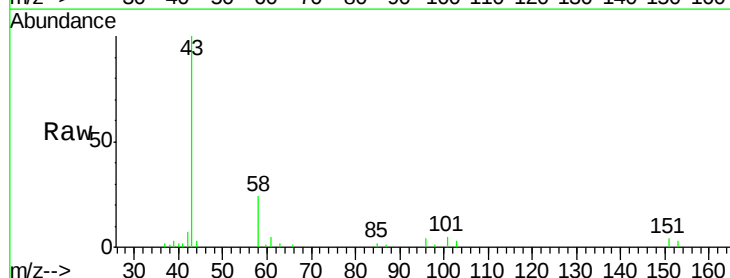
Acq: 22 Apr 2019 13:34

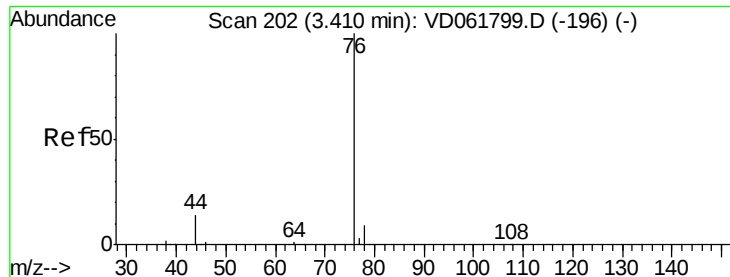
Tgt Ion: 43 Resp: 118033

Ion Ratio Lower Upper

43 100

58 24.4 19.9 29.9

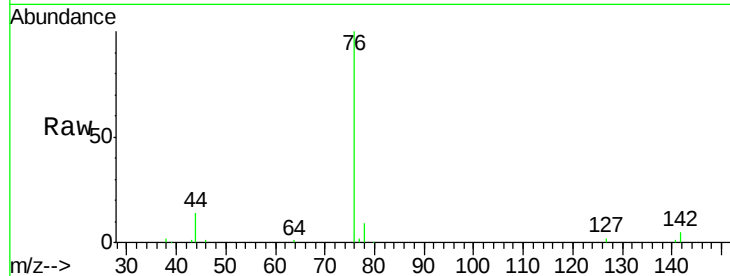




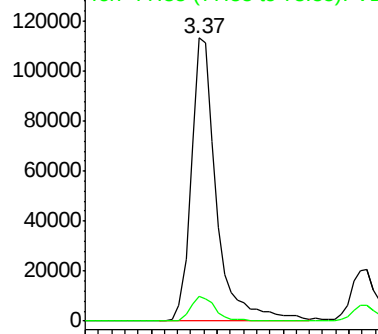
#17
Carbon Disulfide
Concen: 19.128 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

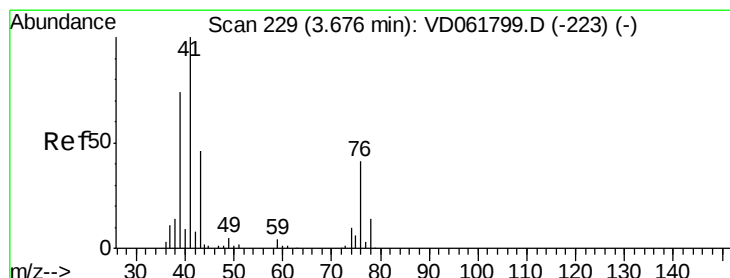
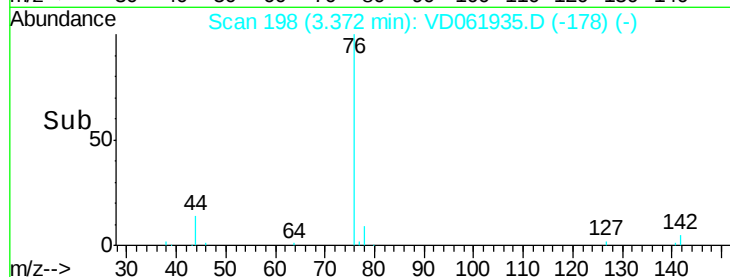
Tot Ion: 76 Resp: 302691
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

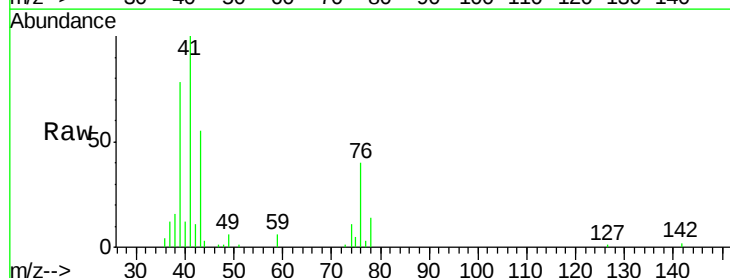


Time--> 3.20 3.30 3.40 3.50 3.60

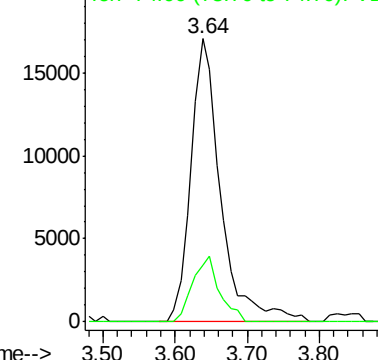


#18
Methyl Acetate
Concen: 22.565 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

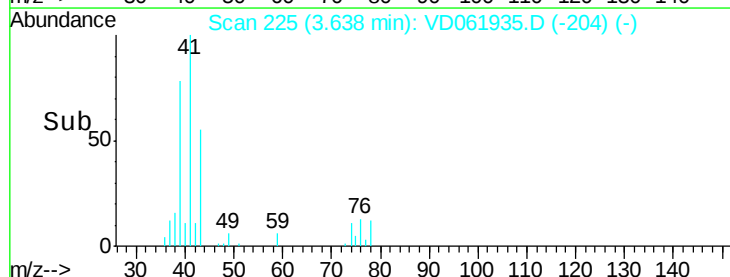
Tgt Ion: 43 Resp: 48751
Ion Ratio Lower Upper
43 100
74 20.2 18.0 27.0

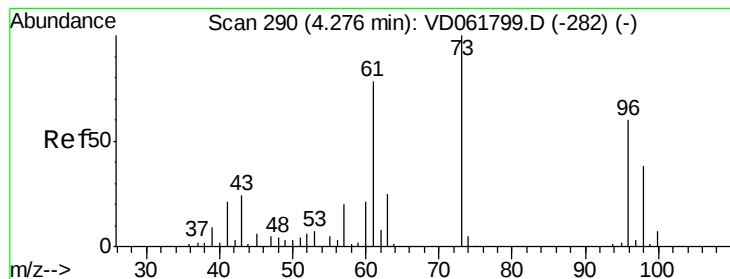


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.50 3.60 3.70 3.80



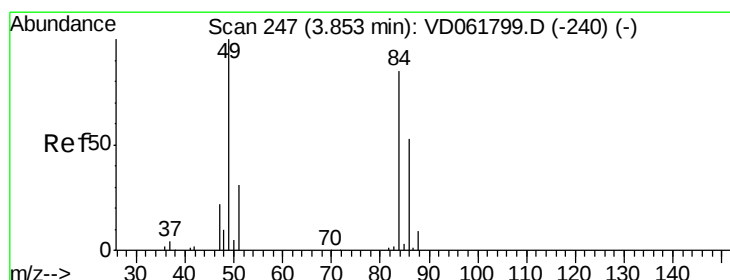
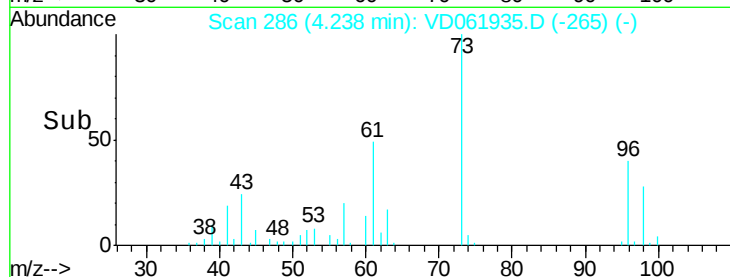
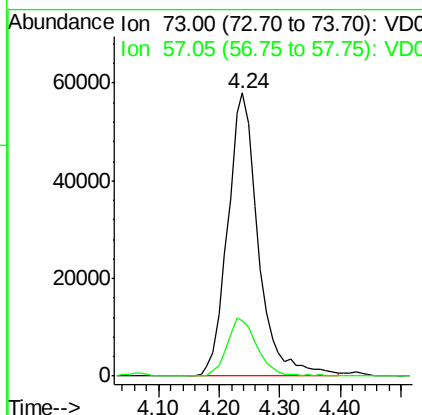
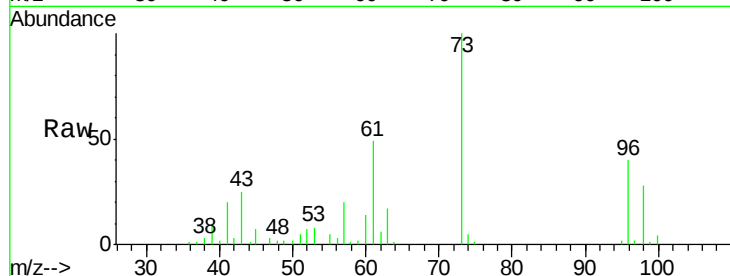


#19

Methyl tert-butyl Ether
 Concen: 22.272 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

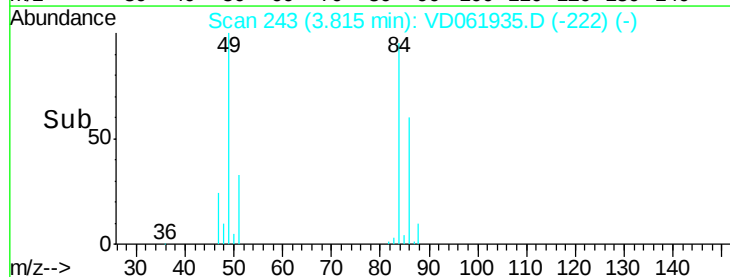
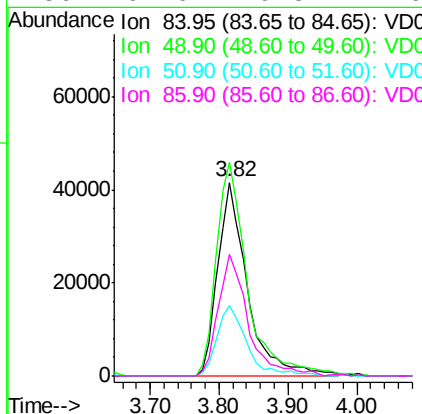
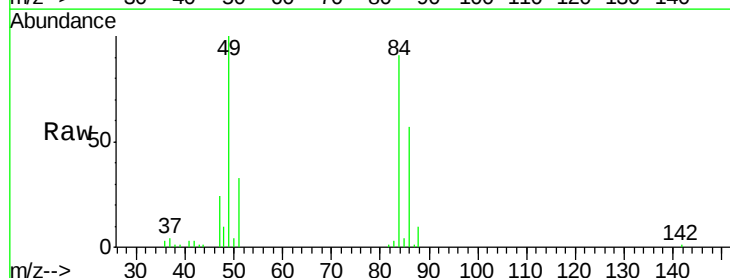
Tot Ion: 73 Resp: 203561
 Ion Ratio Lower Upper
 73 100
 57 19.5 16.3 24.5

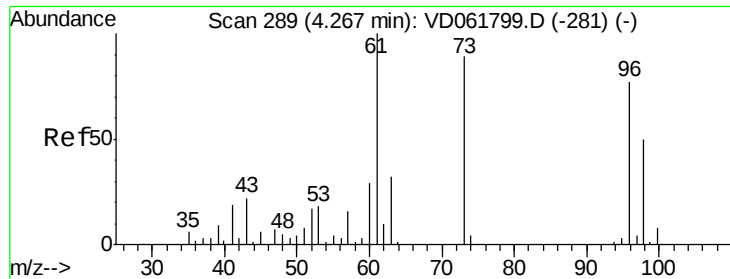


#20

Methylene Chloride
 Concen: 20.510 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 84 Resp: 124388
 Ion Ratio Lower Upper
 84 100
 49 110.2 94.0 141.0
 51 36.6 29.0 43.4
 86 62.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.591 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

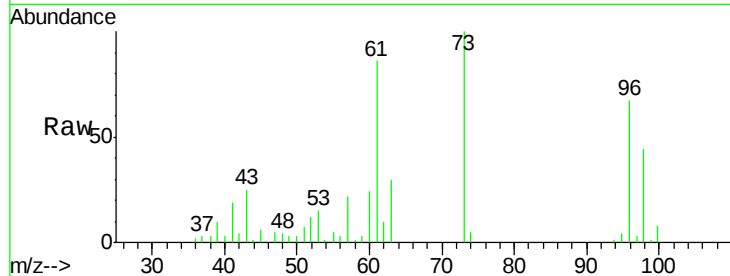
Tot Ion: 96 Resp: 116211

Ion Ratio Lower Upper

96 100

61 128.9 104.4 156.6

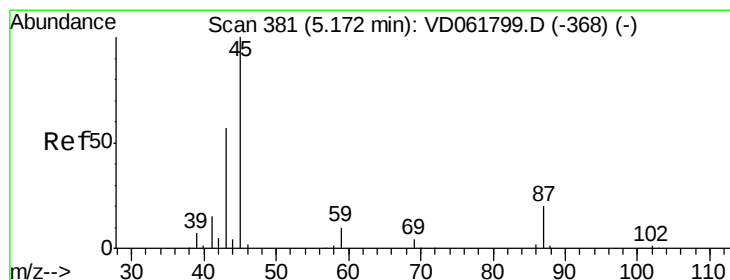
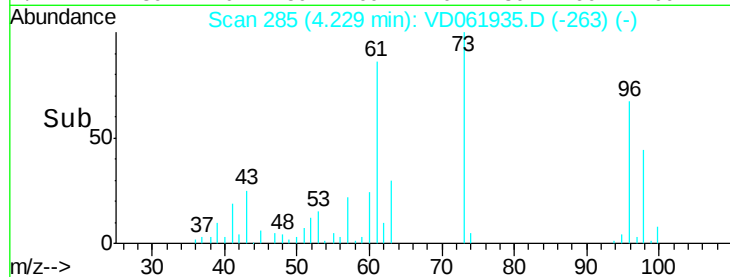
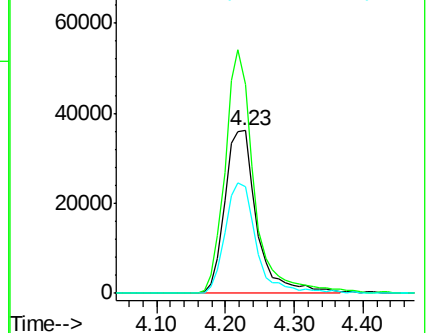
98 65.7 51.8 77.8



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: 21.867 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Tgt Ion: 45 Resp: 312043

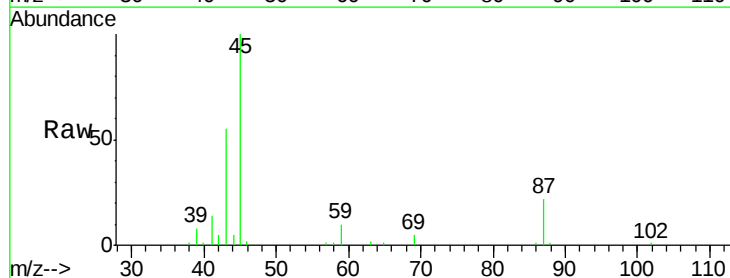
Ion Ratio Lower Upper

45 100

43 54.9 46.2 69.2

87 21.9 15.9 23.9

59 9.7 7.9 11.9

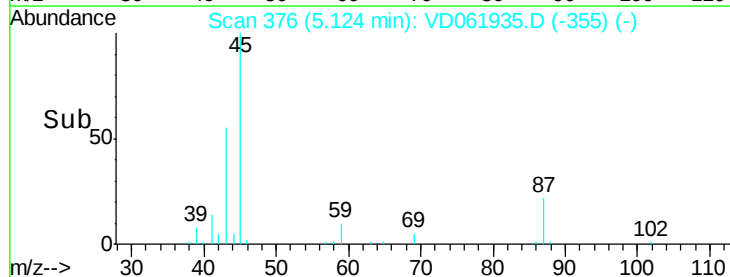
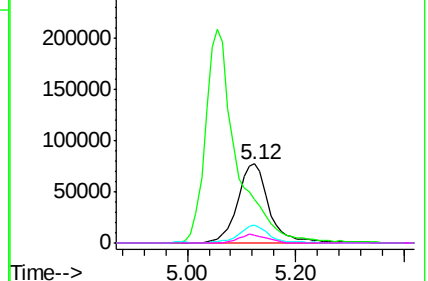


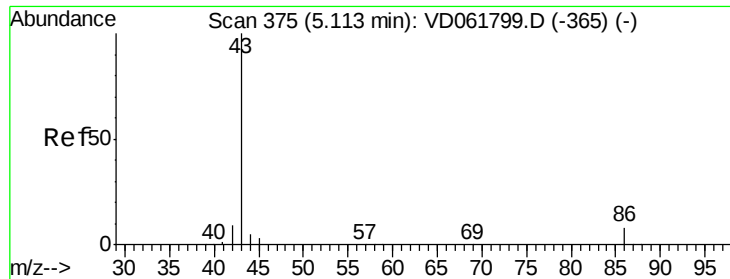
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 108.046 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

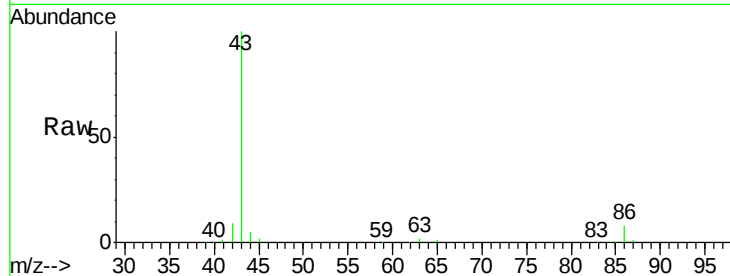
VD0422SBS01

Tot Ion: 43 Resp: 824198

Ion Ratio Lower Upper

43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

100000

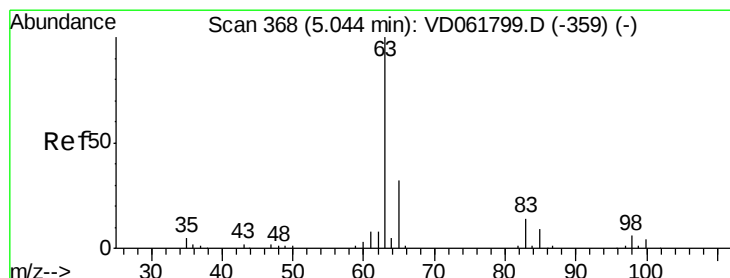
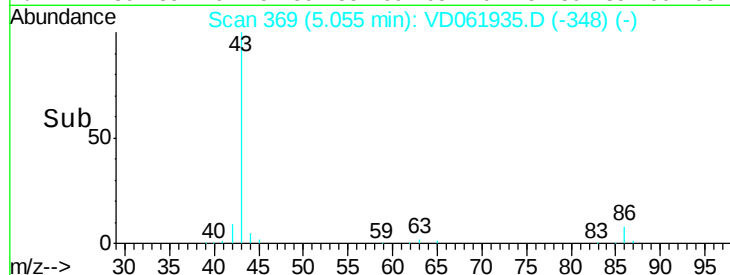
50000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.06



#24

1,1-Dichloroethane

Concen: 21.340 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

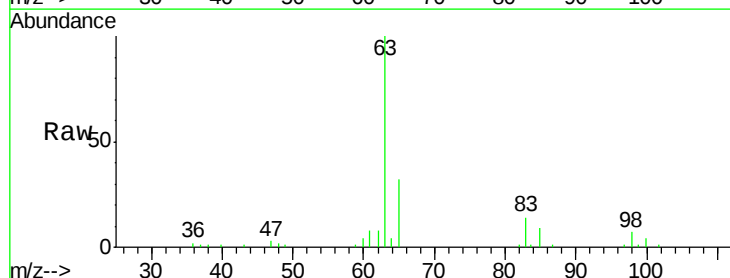
Tgt Ion: 63 Resp: 184631

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.6 1.8 5.5



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

60000

40000

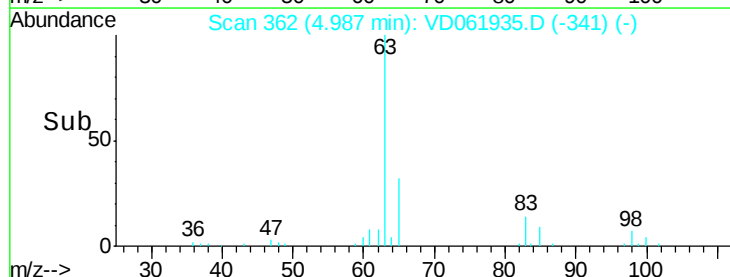
20000

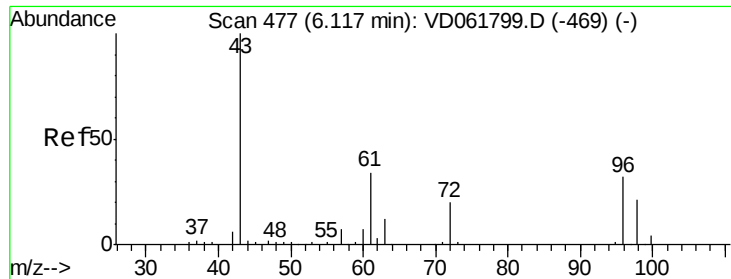
0

Time-->

4.80 4.90 5.00 5.10 5.20

4.99





#25

2-Butanone

Concen: 109.715 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

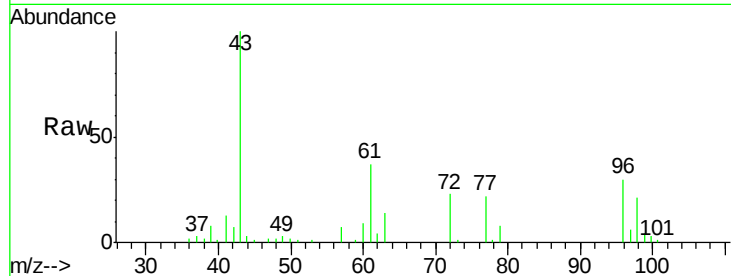
VD0422SBS01

Tot Ion: 43 Resp: 134640

Ion Ratio Lower Upper

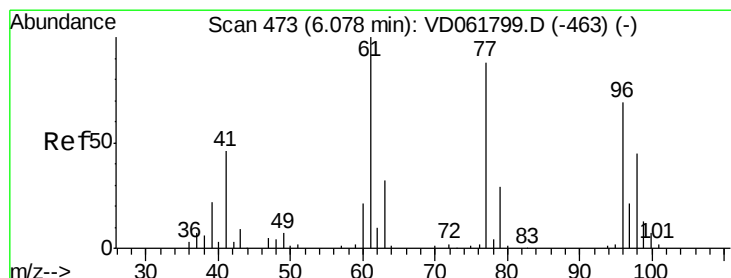
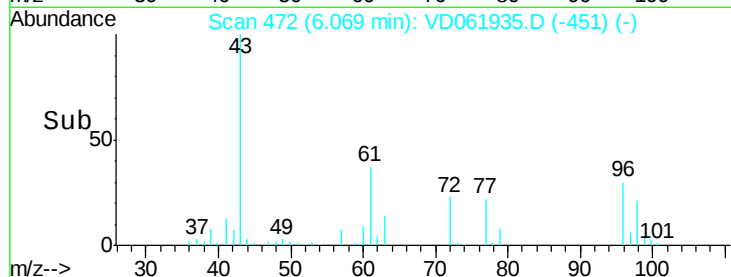
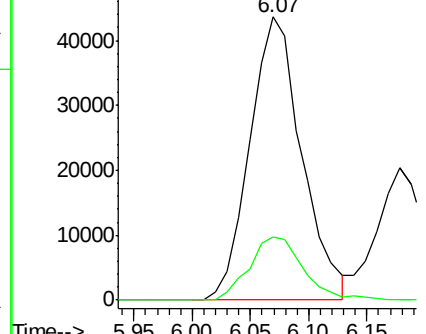
43 100

72 22.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.407 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061935.D

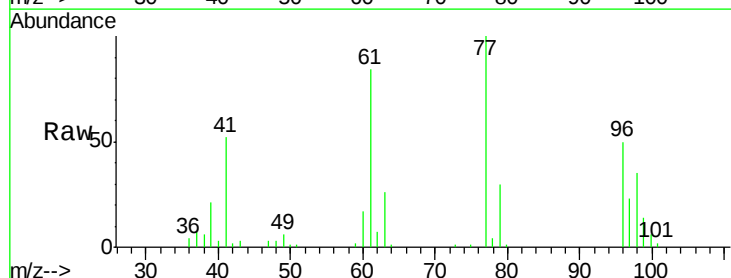
Acq: 22 Apr 2019 13:34

Tgt Ion: 77 Resp: 182519

Ion Ratio Lower Upper

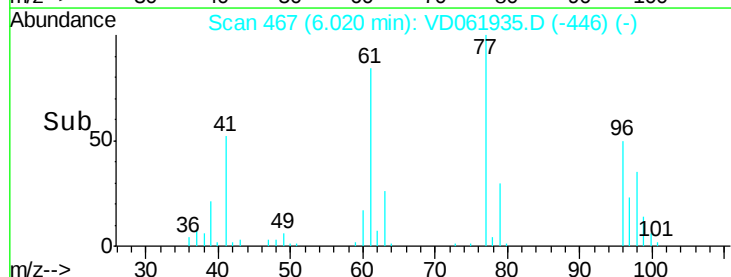
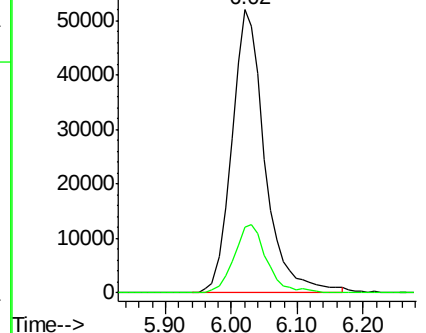
77 100

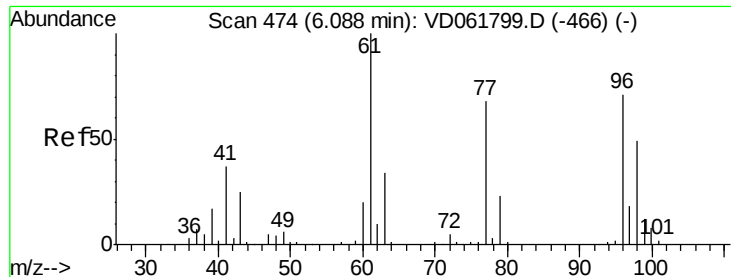
97 23.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



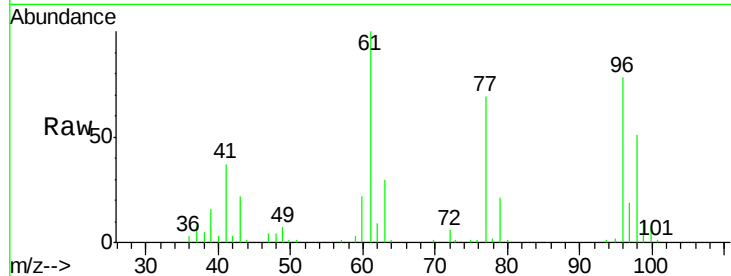


#27

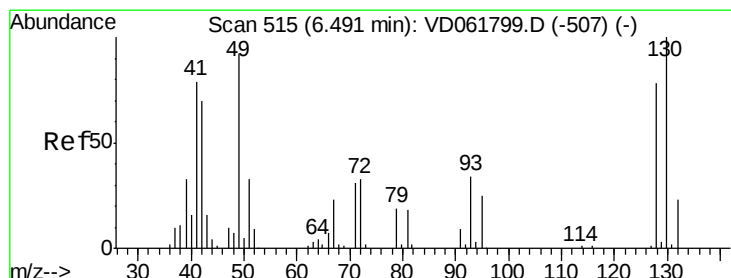
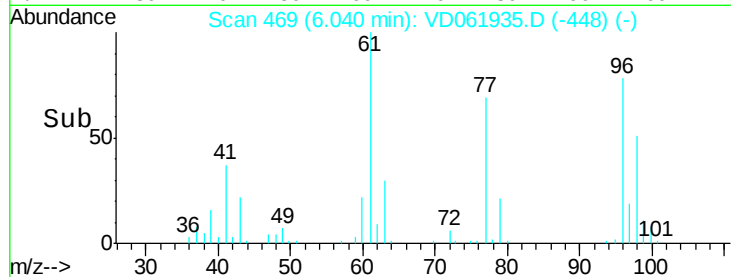
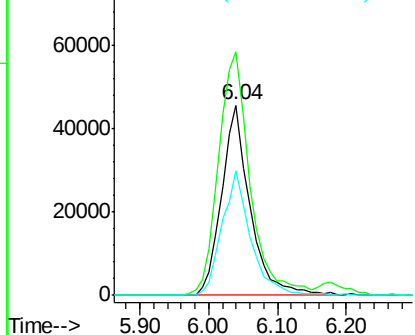
cis-1,2-Dichloroethene
 Concen: 22.342 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion: 96 Resp: 130360
 Ion Ratio Lower Upper
 96 100
 61 128.0 0.0 279.8
 98 65.6 0.0 136.0



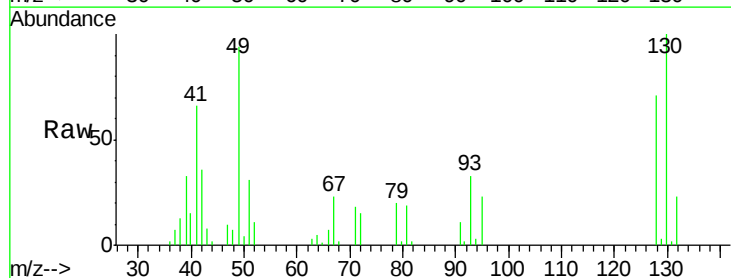
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



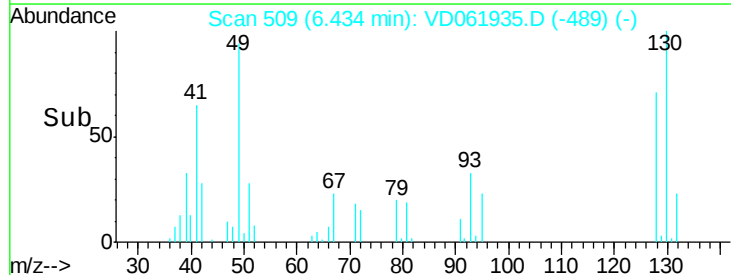
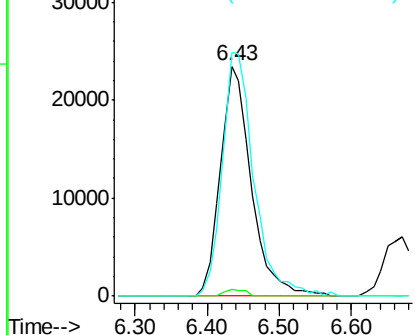
#28

Bromochloromethane
 Concen: 21.246 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 49 Resp: 69820
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 6.6
 130 106.0 86.7 130.1



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

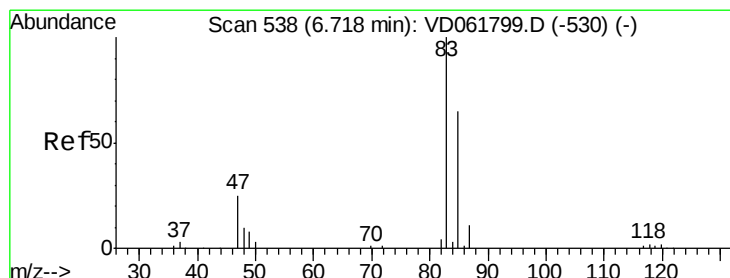
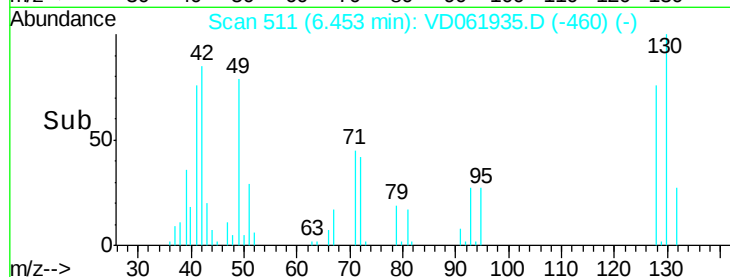
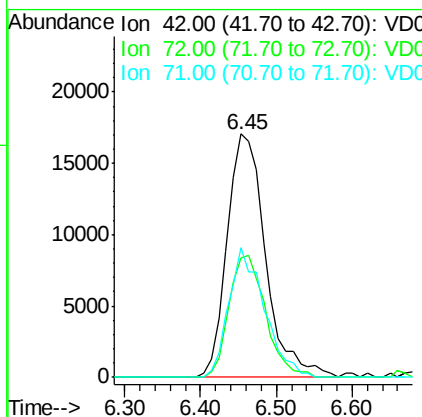
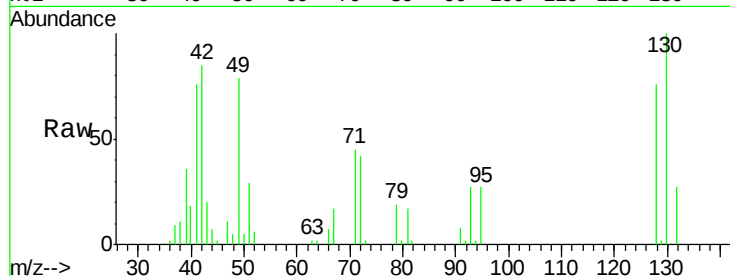




#29
Tetrahydrofuran
Concen: 100.369 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

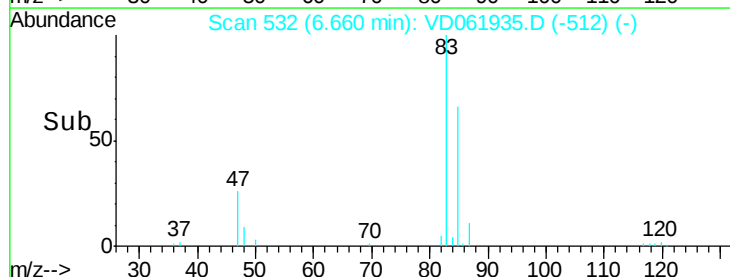
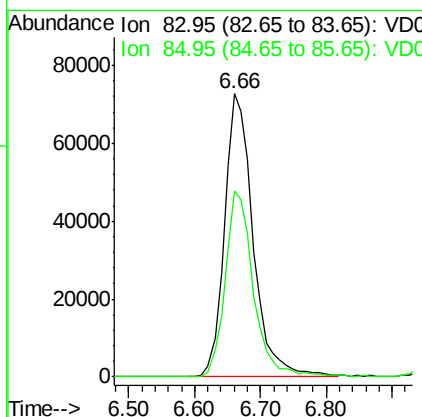
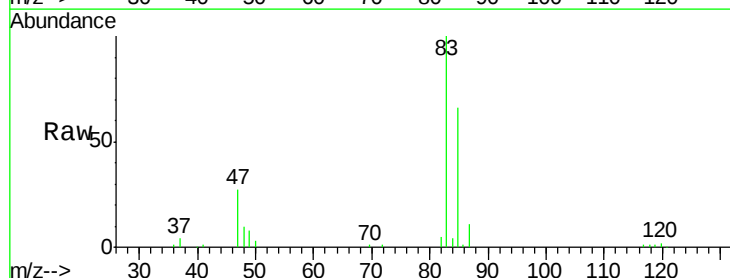
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

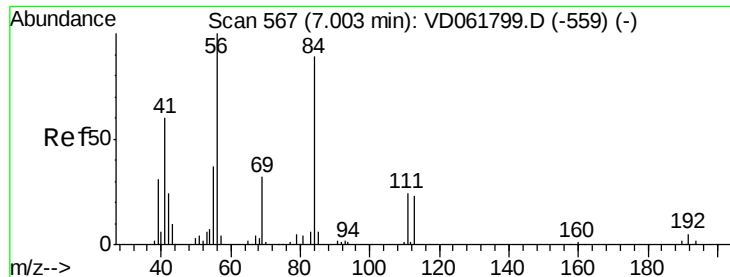
Tot Ion: 42 Resp: 59998
Ion Ratio Lower Upper
42 100
72 47.6 37.8 56.6
71 49.4 36.7 55.1



#30
Chloroform
Concen: 22.894 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 83 Resp: 220931
Ion Ratio Lower Upper
83 100
85 65.5 51.7 77.5

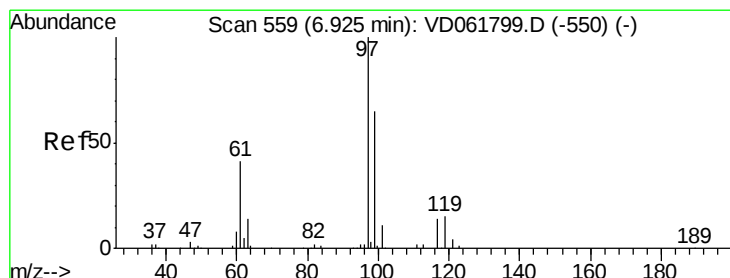
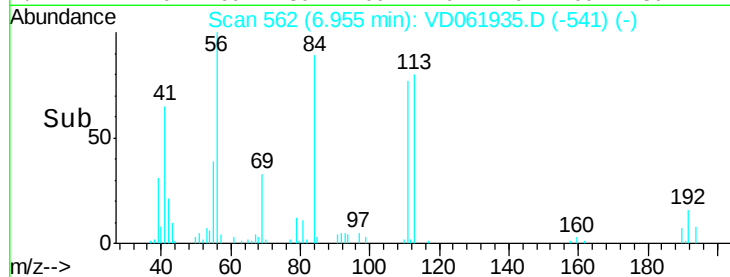
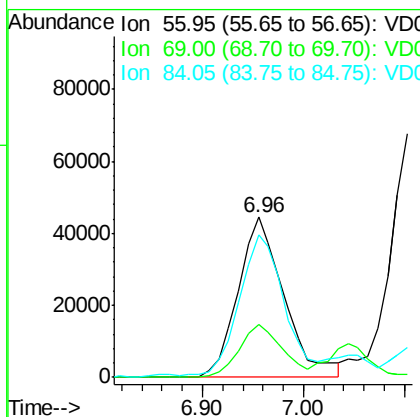
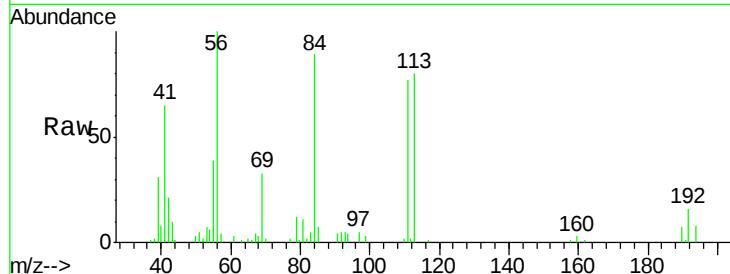




#31
Cyclohexane
Concen: 21.272 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

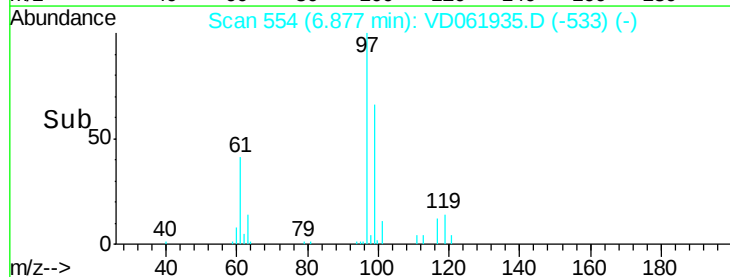
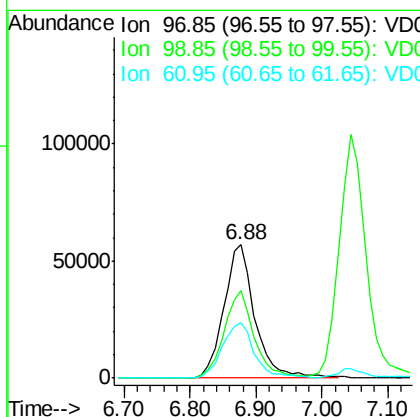
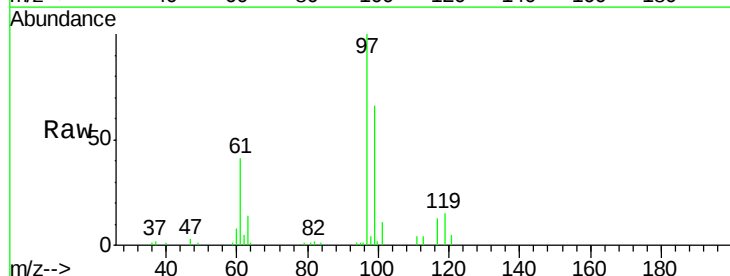
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

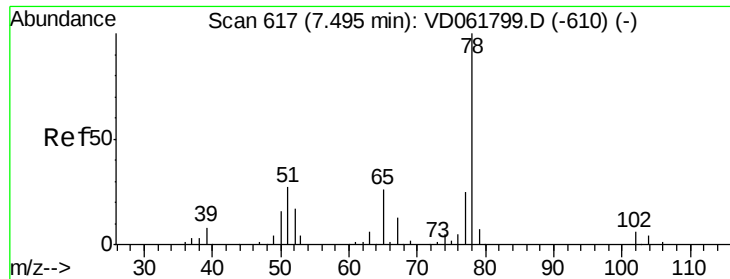
Tot Ion: 56 Resp: 140888
Ion Ratio Lower Upper
56 100
69 33.4 25.8 38.6
84 88.6 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 21.796 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 97 Resp: 186455
Ion Ratio Lower Upper
97 100
99 66.0 52.2 78.2
61 41.4 32.4 48.6

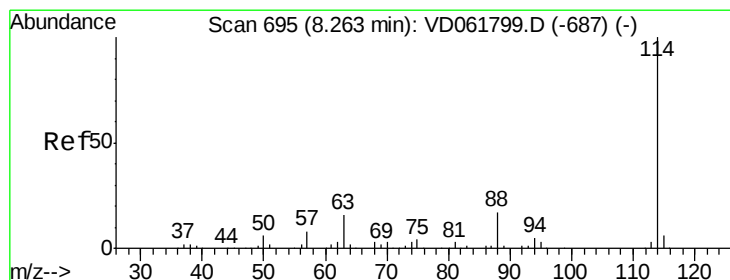
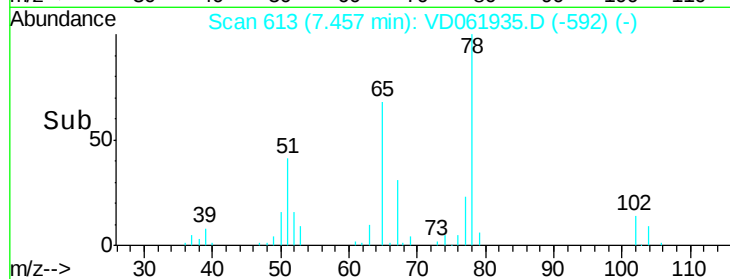
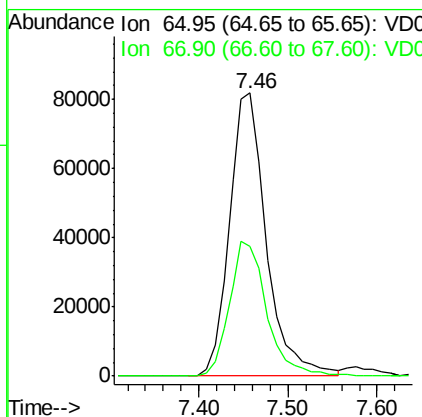
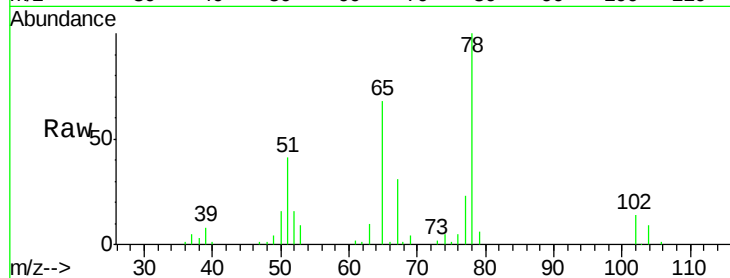




#33
 1,2-Dichloroethane-d4
 Concen: 21.796 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

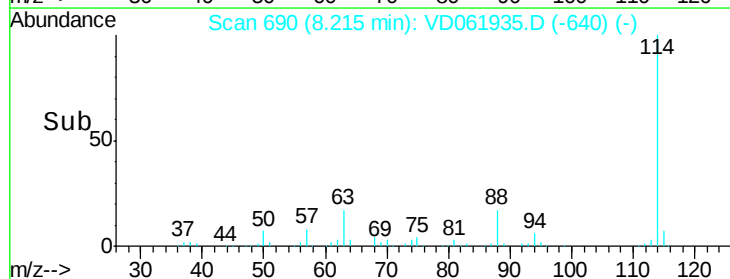
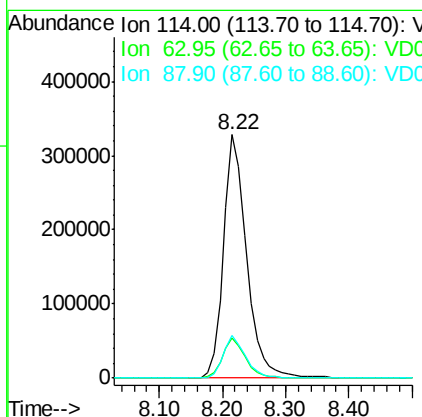
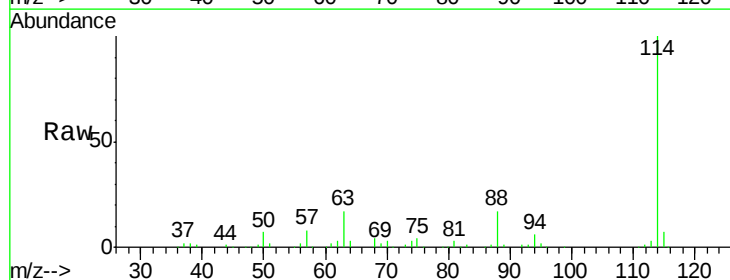
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

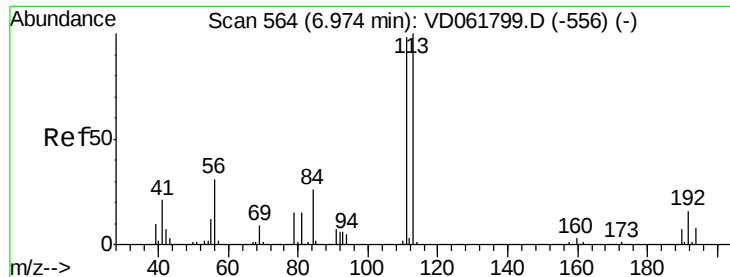
Tot Ion: 65 Resp: 235449
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 114 Resp: 837222
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 32.4
 88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

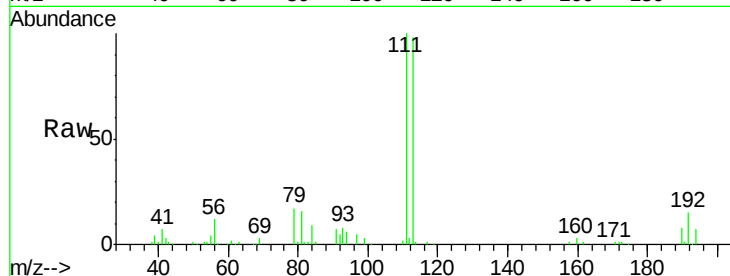
Tot Ion:113 Resp: 333852

Ion Ratio Lower Upper

113 100

111 102.0 78.5 117.7

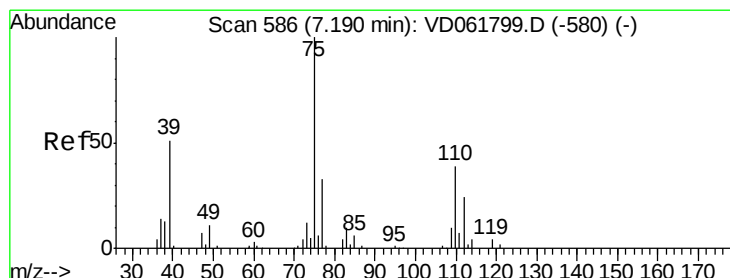
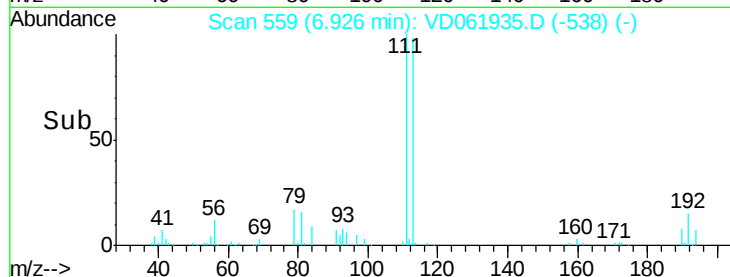
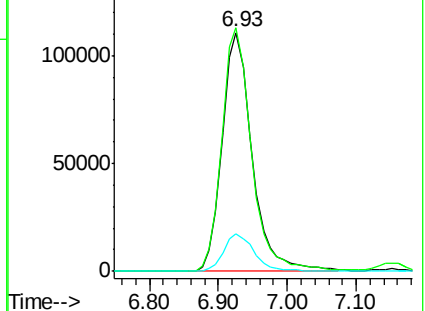
192 15.7 13.0 19.4



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: 22.797 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

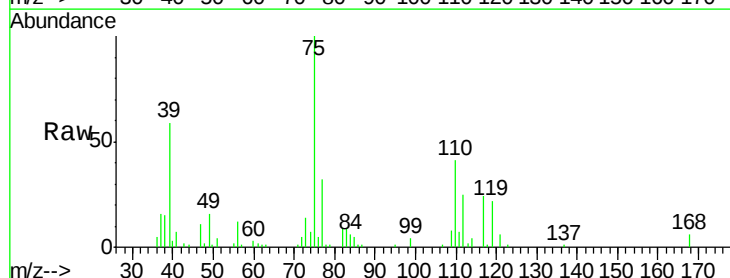
Tgt Ion: 75 Resp: 155967

Ion Ratio Lower Upper

75 100

110 41.1 19.1 57.1

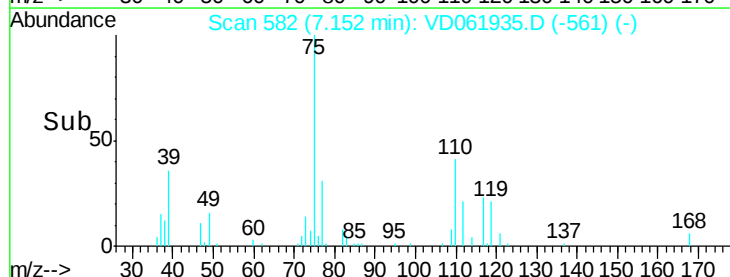
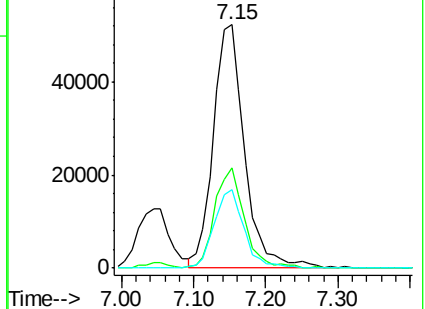
77 32.0 25.6 38.4

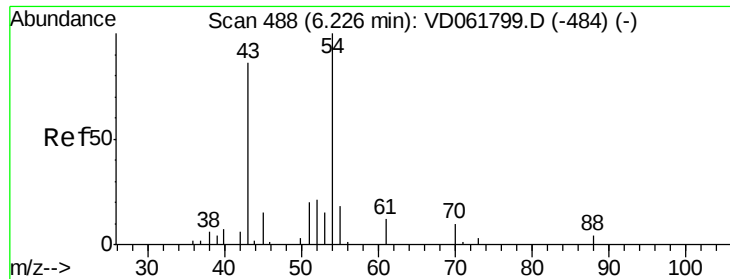


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

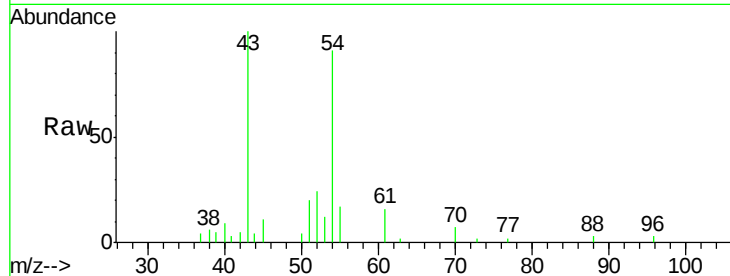




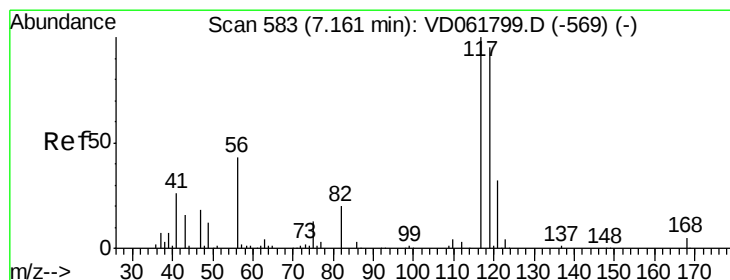
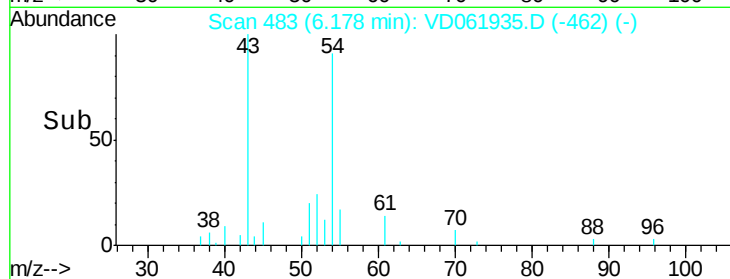
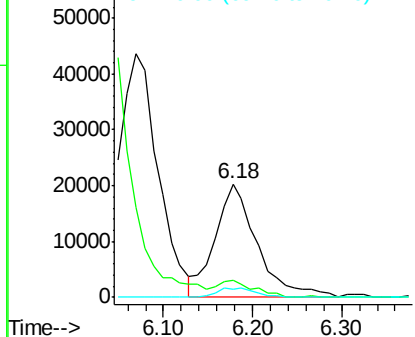
#37
Ethyl Acetate
Concen: 22.845 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion: 43 Resp: 66892
Ion Ratio Lower Upper
43 100
61 15.6 14.7 22.1
70 6.7 7.8 11.6#

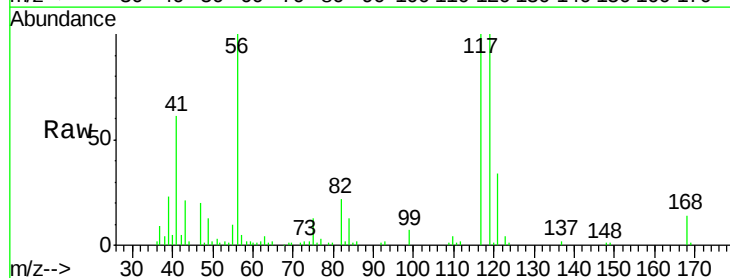


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

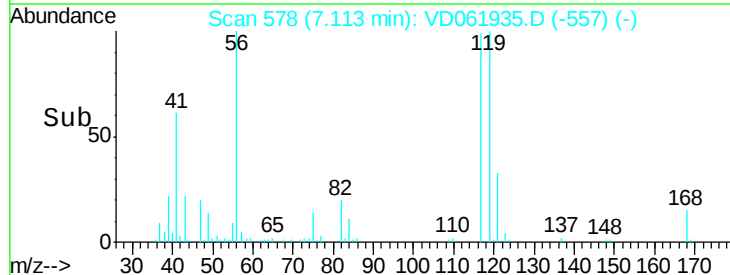
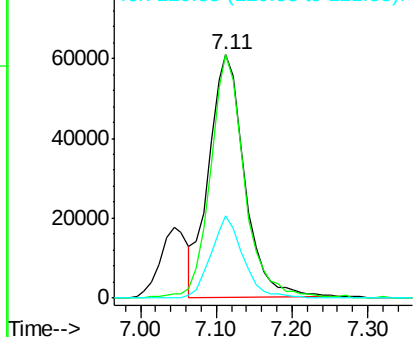


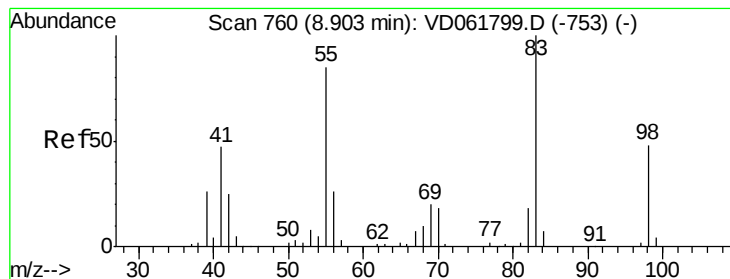
#38
Carbon Tetrachloride
Concen: 22.969 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 117 Resp: 198428
Ion Ratio Lower Upper
117 100
119 99.9 75.8 113.8
121 33.9 25.9 38.9



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

Methvlcvclohexane

Concen: 22.775 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

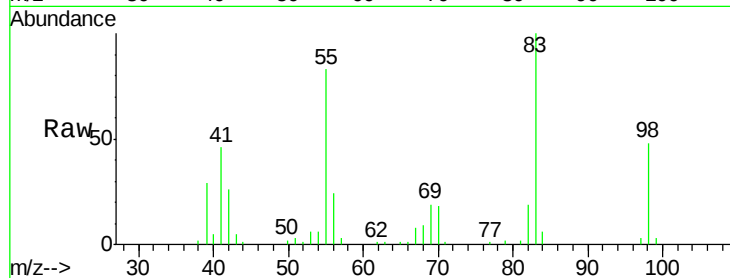
Tot Ion: 83 Resp: 161803

Ion Ratio Lower Upper

83 100

55 83.4 68.2 102.4

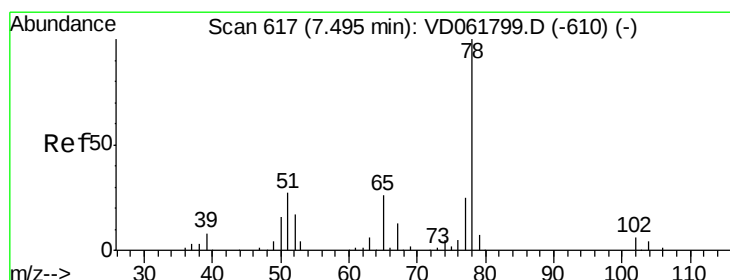
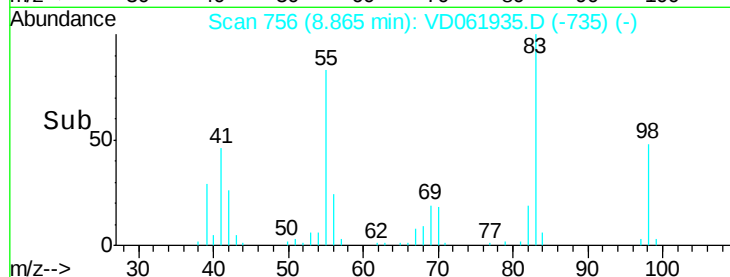
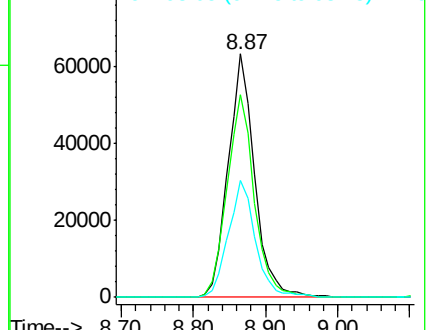
98 47.8 38.2 57.4



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: 21.926 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061935.D

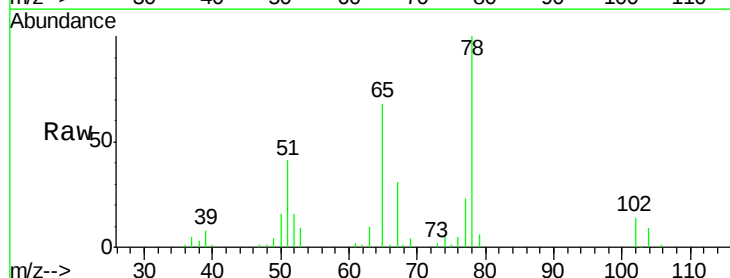
Acq: 22 Apr 2019 13:34

Tgt Ion: 78 Resp: 360130

Ion Ratio Lower Upper

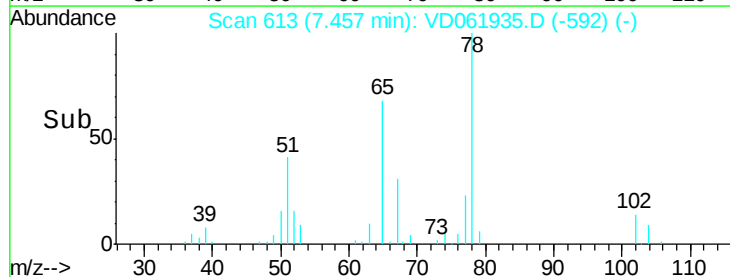
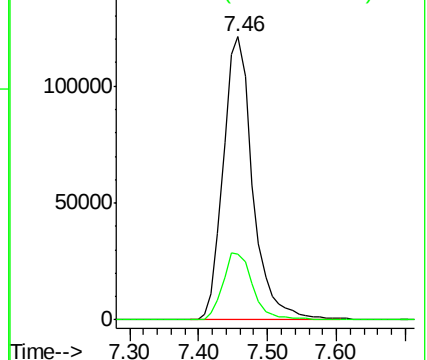
78 100

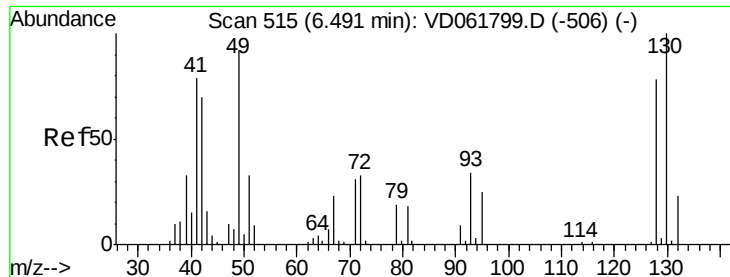
77 23.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.626 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

Tot Ion: 41 Resp: 71383

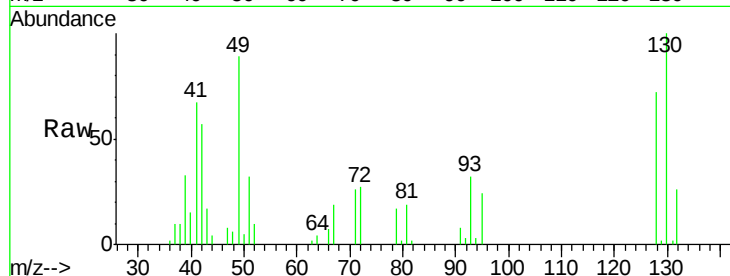
Ion Ratio Lower Upper

41 100

39 49.7 34.1 51.1

67 28.3 23.8 35.6

52 14.6 8.8 13.2#

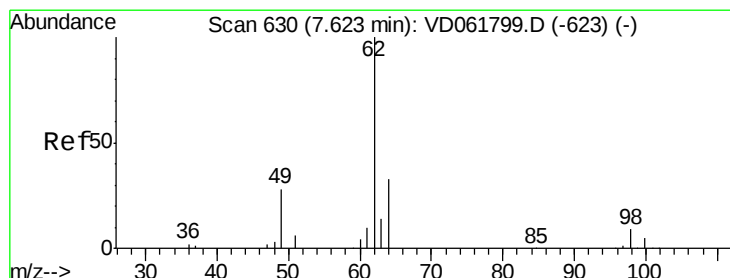
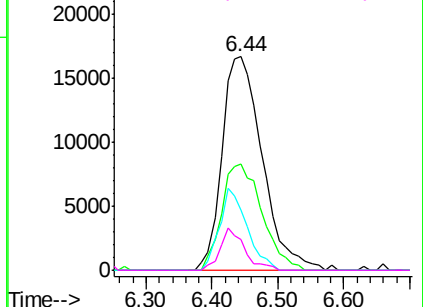
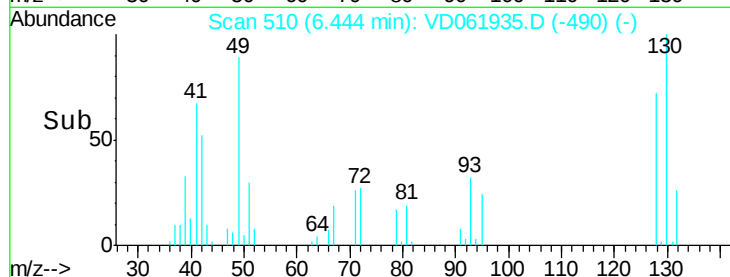


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.548 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD061935.D

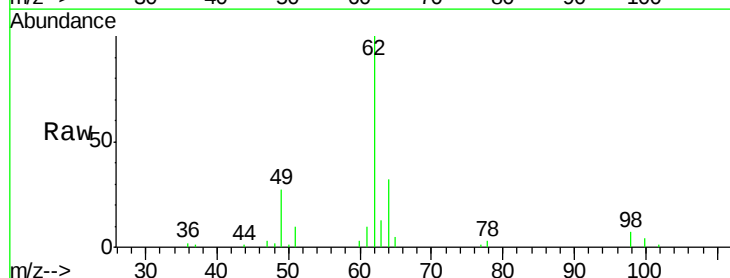
Acq: 22 Apr 2019 13:34

Tgt Ion: 62 Resp: 134701

Ion Ratio Lower Upper

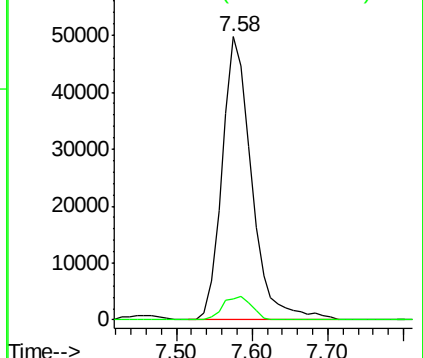
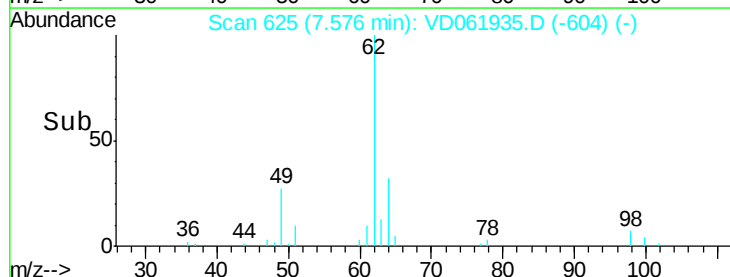
62 100

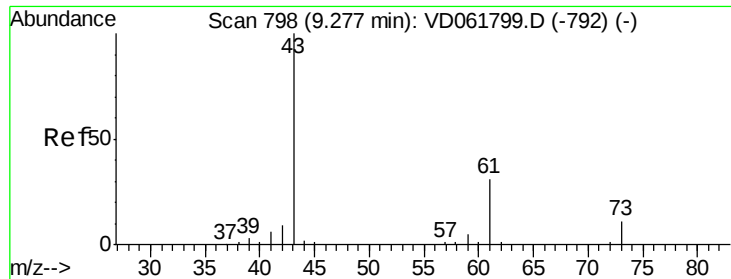
98 7.3 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.112 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

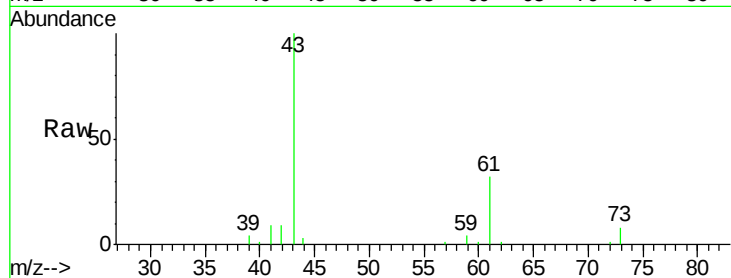
Tot Ion: 43 Resp: 95232

Ion Ratio Lower Upper

43 100

61 31.7 25.1 37.7

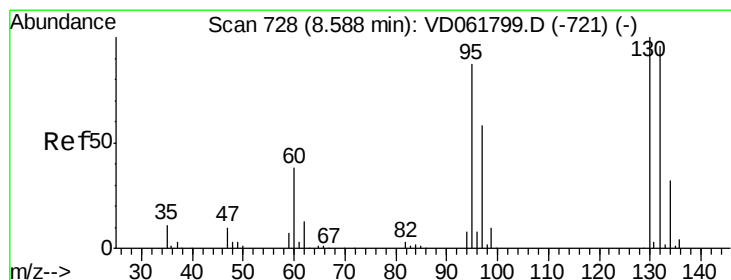
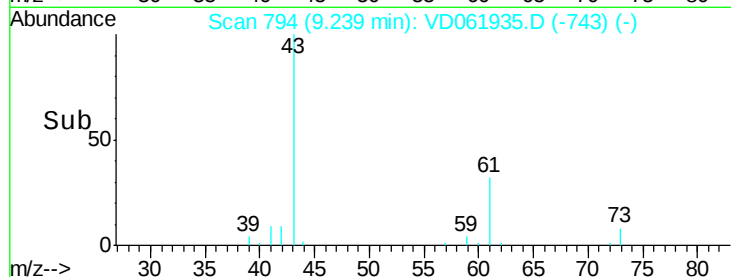
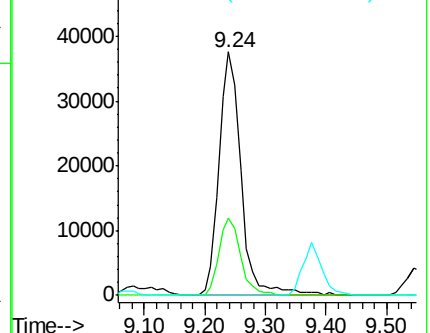
87 0.0 0.0 0.0



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: 23.442 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD061935.D

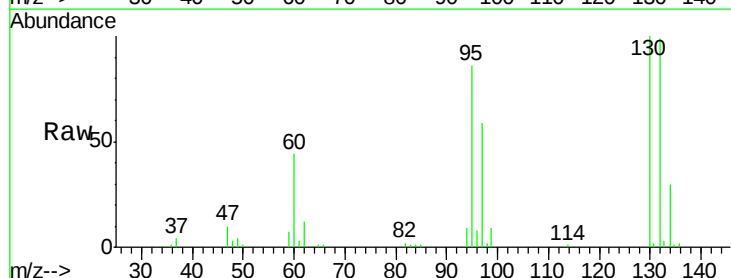
Acq: 22 Apr 2019 13:34

Tgt Ion: 130 Resp: 148221

Ion Ratio Lower Upper

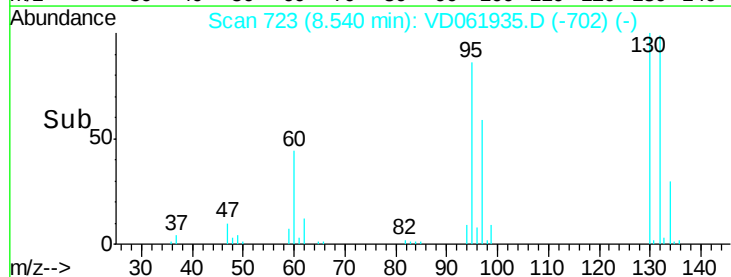
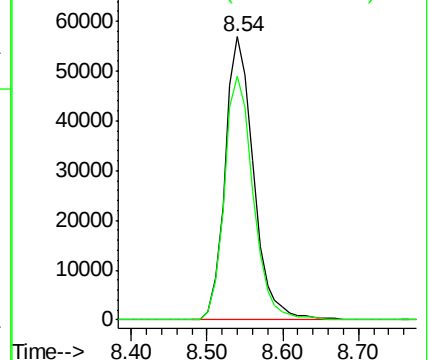
130 100

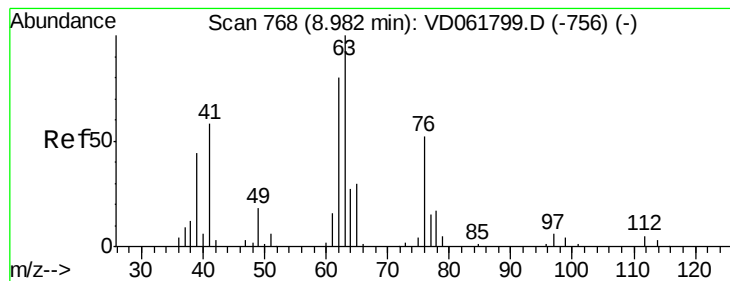
95 85.9 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.615 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

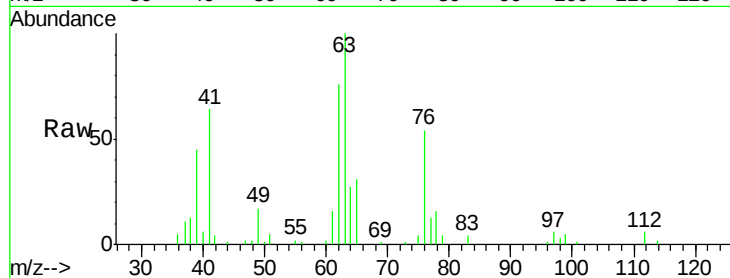
VD0422SBS01

Tot Ion: 63 Resp: 96754

Ion Ratio Lower Upper

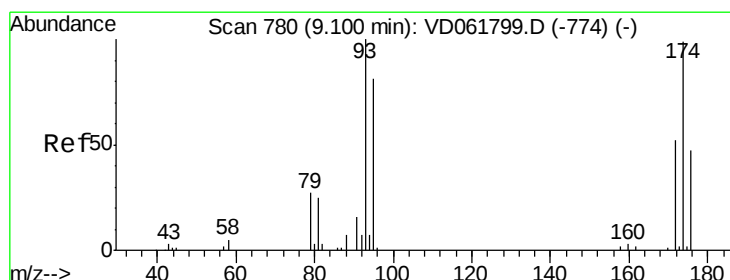
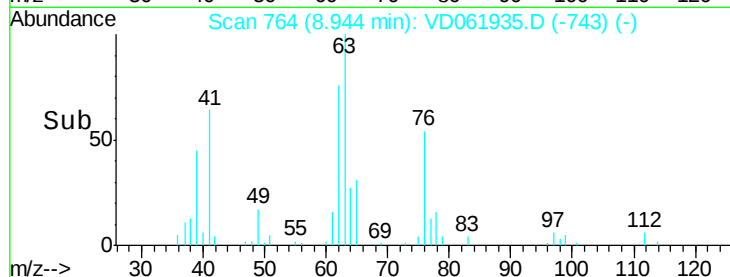
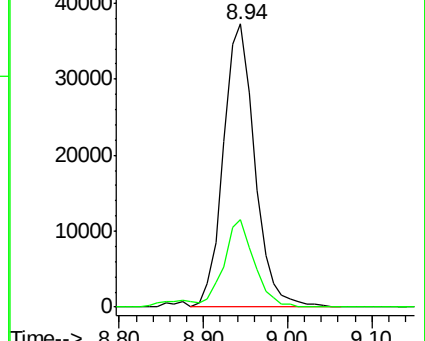
63 100

65 31.1 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.308 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

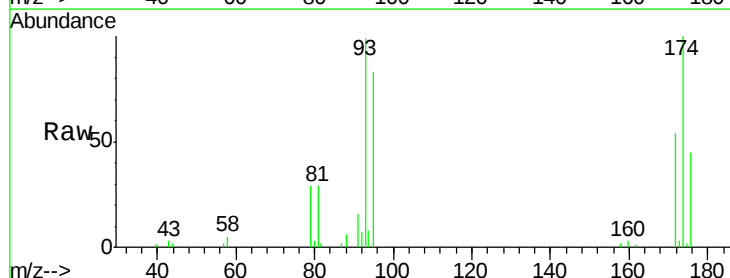
Tgt Ion: 93 Resp: 71053

Ion Ratio Lower Upper

93 100

95 83.7 64.8 97.2

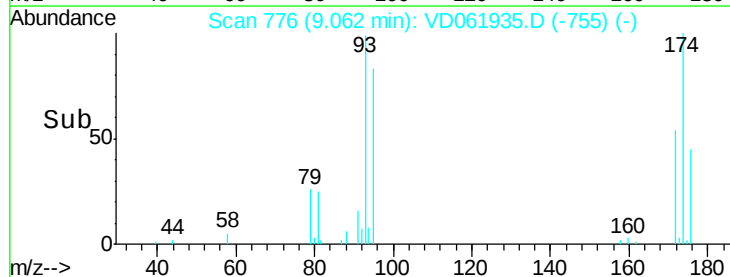
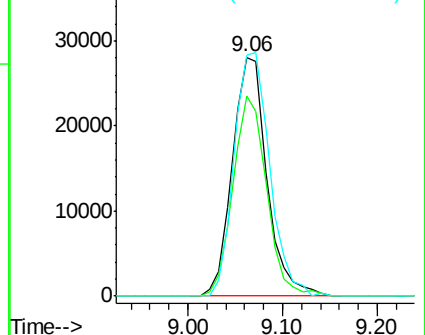
174 100.9 79.3 118.9

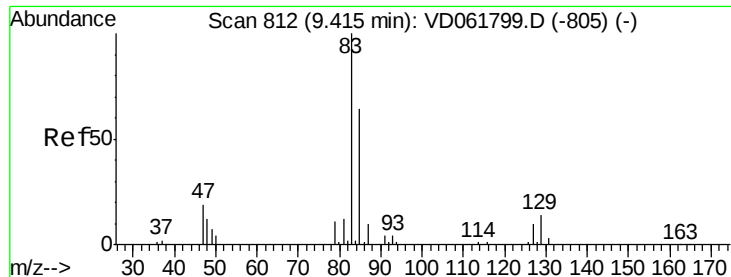


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 25.072 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

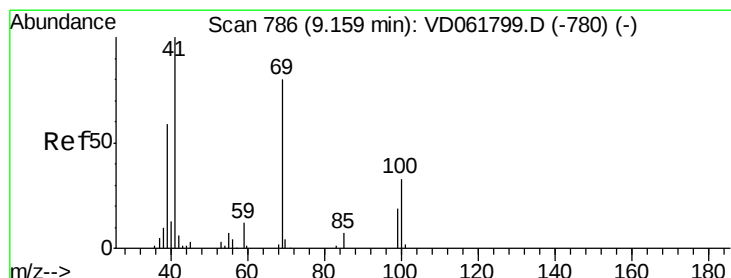
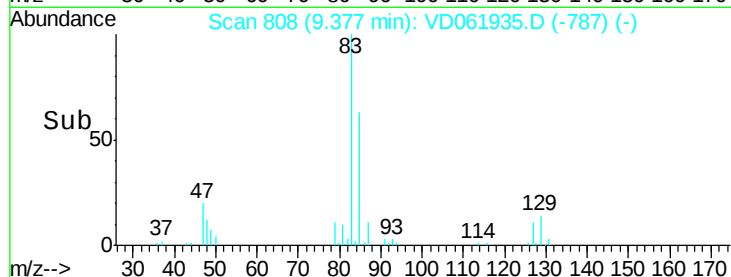
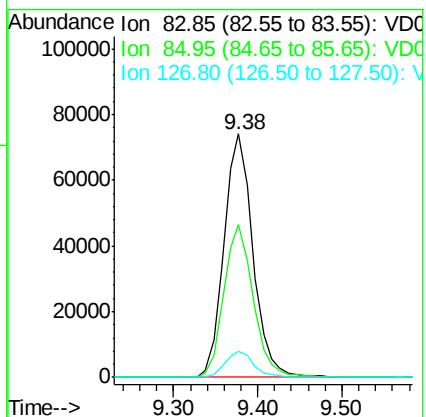
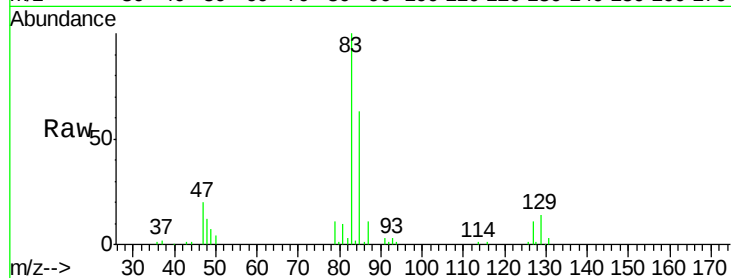
Tot Ion: 83 Resp: 176324

Ion Ratio Lower Upper

83 100

85 62.8 50.9 76.3

127 10.5 8.1 12.1



#48

Methyl methacrylate

Concen: 23.045 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

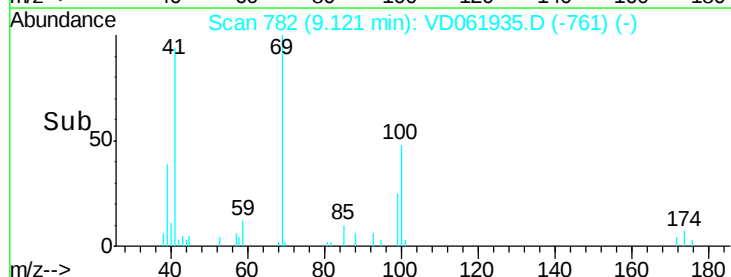
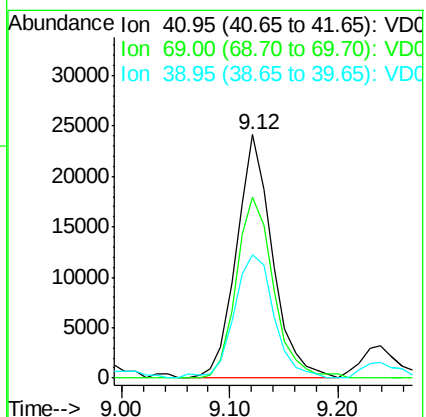
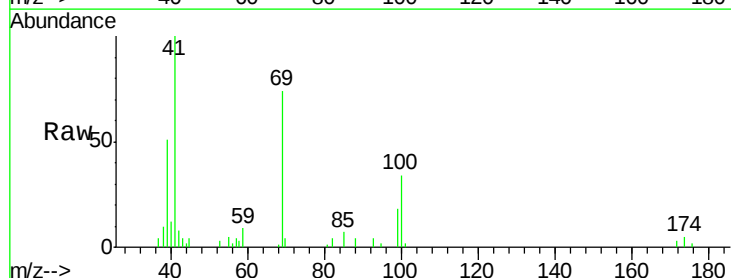
Tgt Ion: 41 Resp: 55816

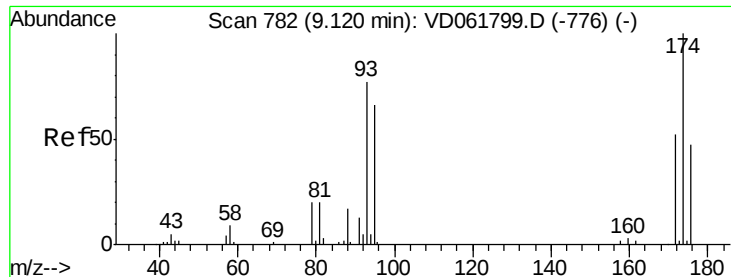
Ion Ratio Lower Upper

41 100

69 74.2 64.2 96.2

39 50.7 46.8 70.2





#49

1,4-Dioxane

Concen: 467.218 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

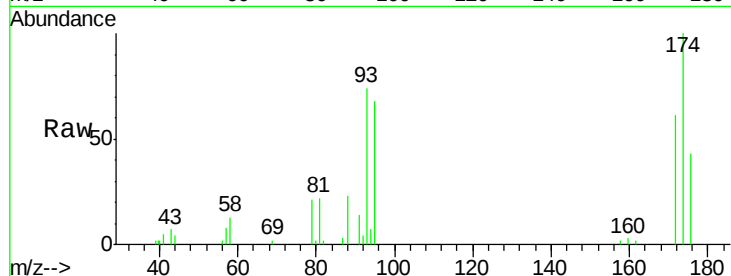
Tot Ion: 88 Resp: 12369

Ion Ratio Lower Upper

88 100

43 31.1 23.4 35.0

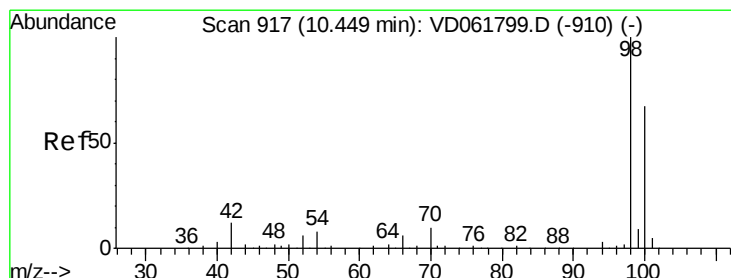
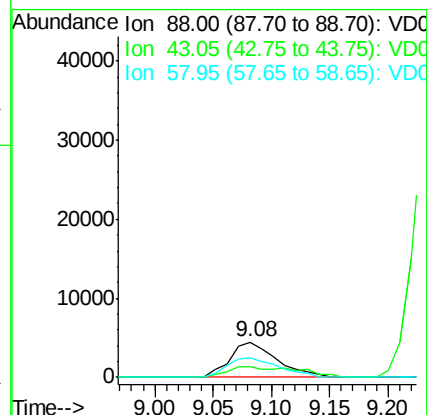
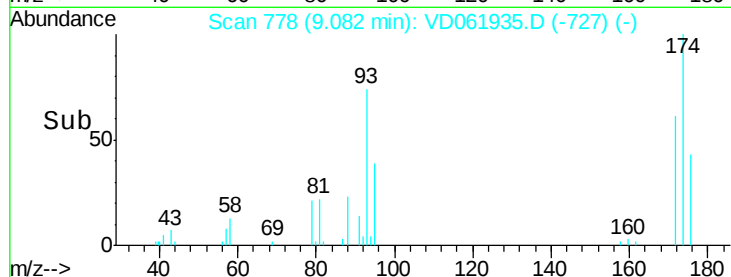
58 56.9 44.0 66.0



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: 467.218 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061935.D

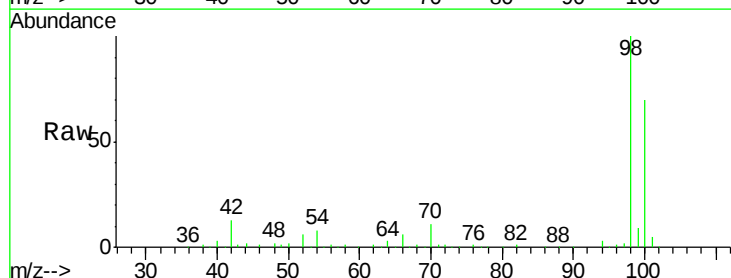
Acq: 22 Apr 2019 13:34

Tgt Ion: 98 Resp: 916198

Ion Ratio Lower Upper

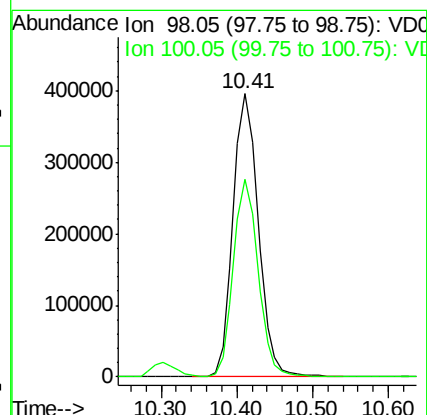
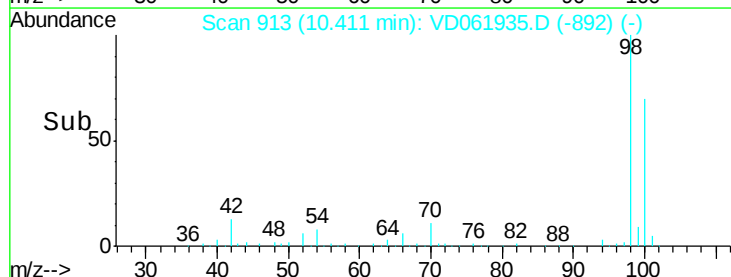
98 100

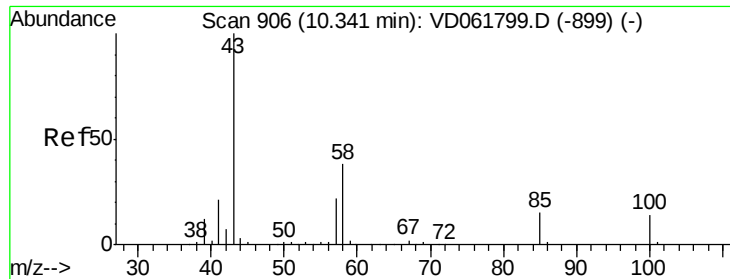
100 69.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

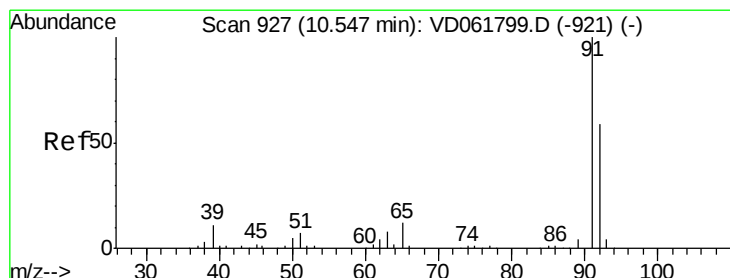
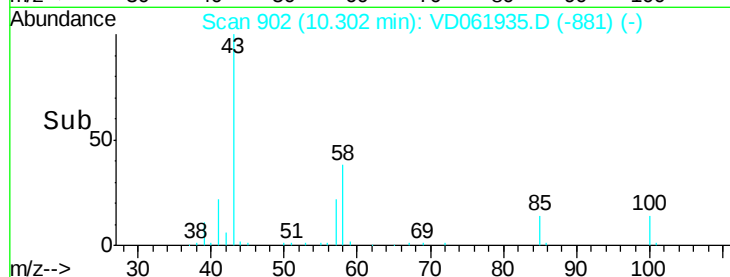
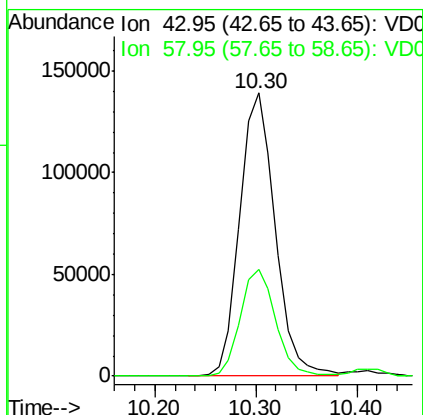
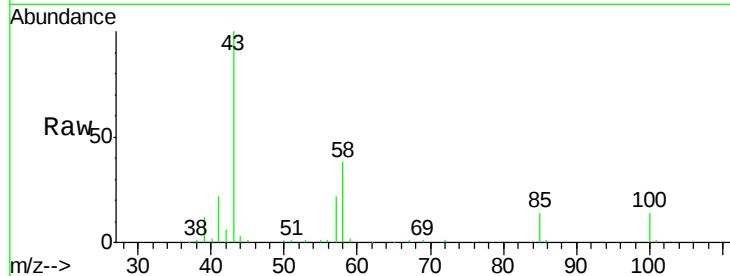




#51
4-Methyl-2-Pentanone
Concen: 135.250 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

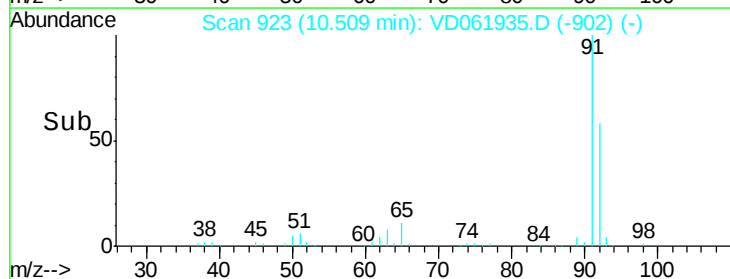
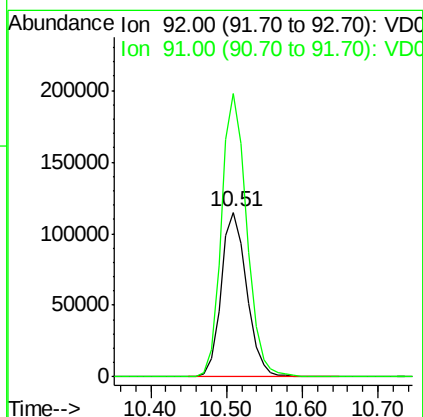
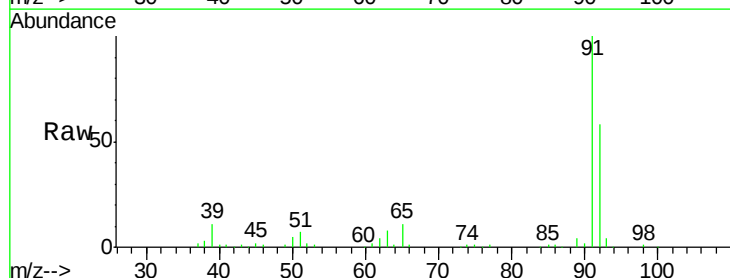
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

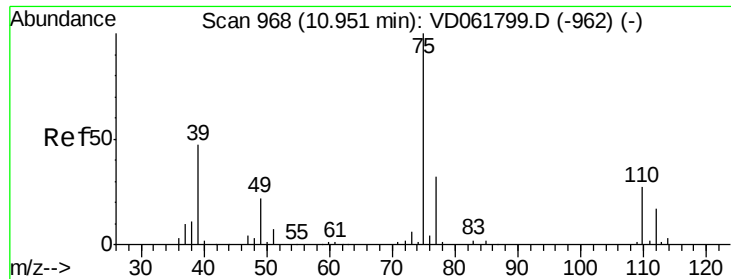
Tot Ion: 43 Resp: 340809
Ion Ratio Lower Upper
43 100
58 37.6 30.4 45.6



#52
Toluene
Concen: 25.594 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion: 92 Resp: 269393
Ion Ratio Lower Upper
92 100
91 172.1 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 26.376 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

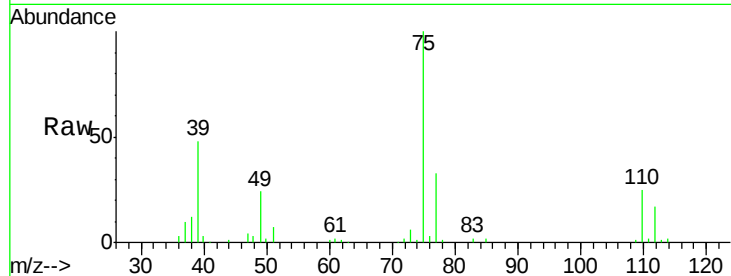
VD0422SBS01

Tot Ion: 75 Resp: 167148

Ion Ratio Lower Upper

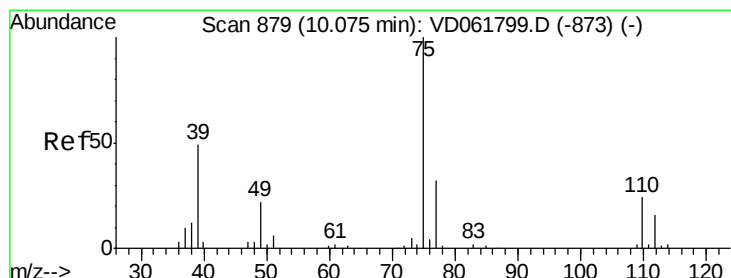
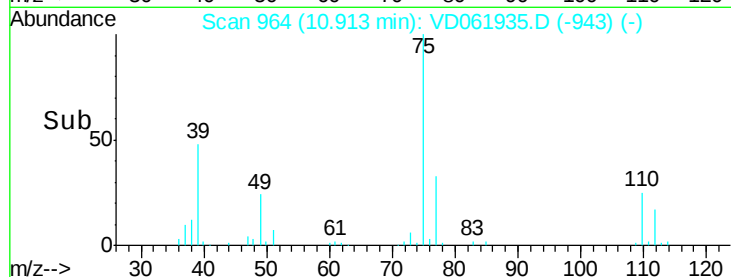
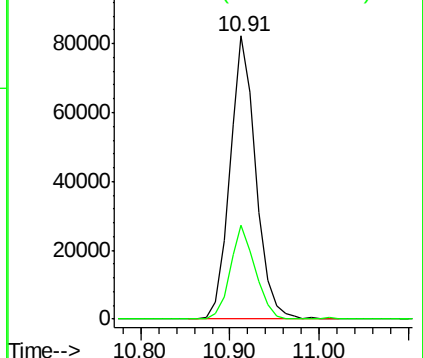
75 100

77 33.0 25.8 38.8



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: 26.155 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

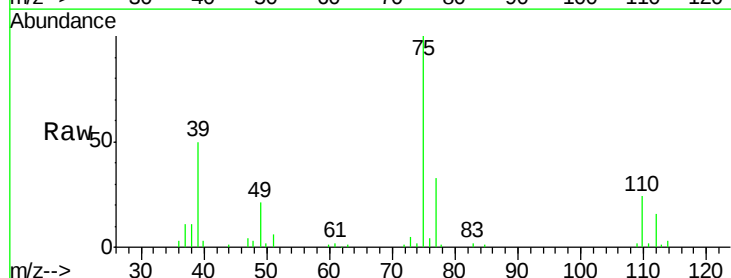
Tgt Ion: 75 Resp: 194557

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3

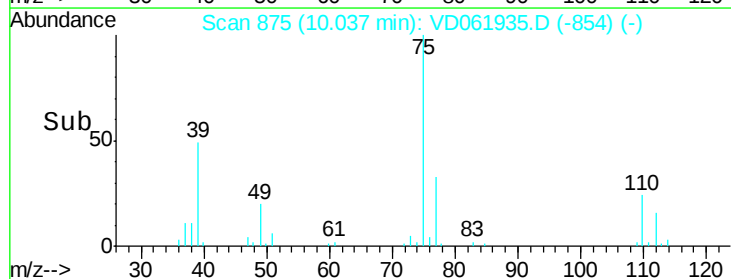
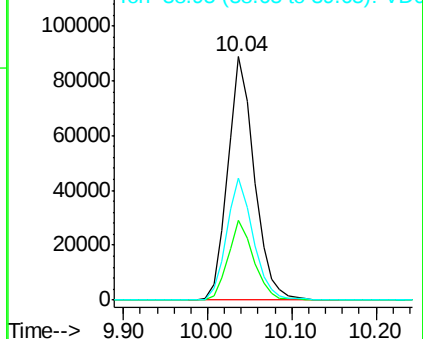
39 50.1 39.4 59.2

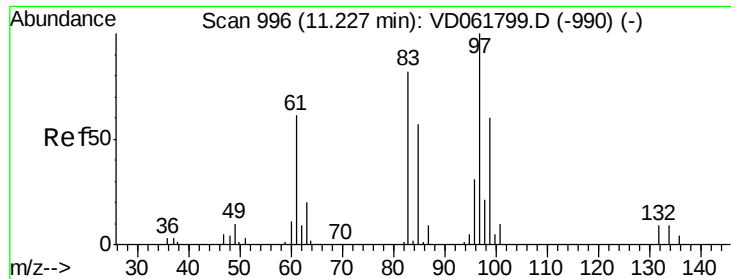


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

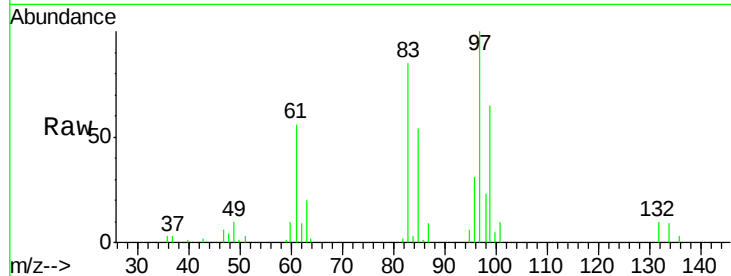




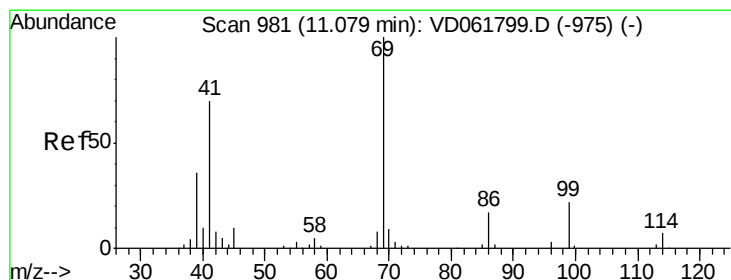
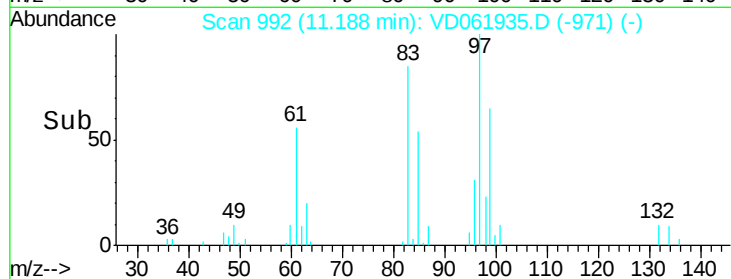
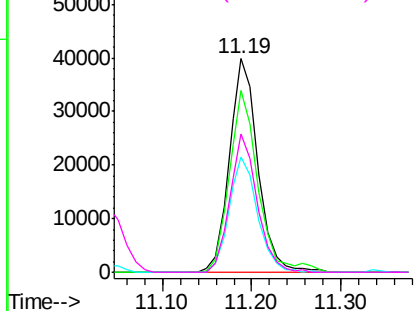
#55
 1,1,2-Trichloroethane
 Concen: 25.137 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion:	97	Resp:	89155
Ion	Ratio	Lower	Upper
97	100		
83	85.3	65.7	98.5
85	53.8	45.6	68.4
99	64.8	48.4	72.6

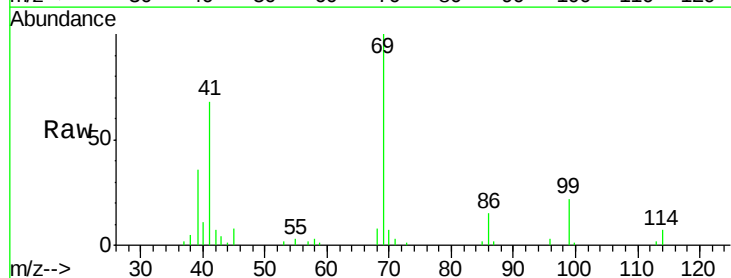


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

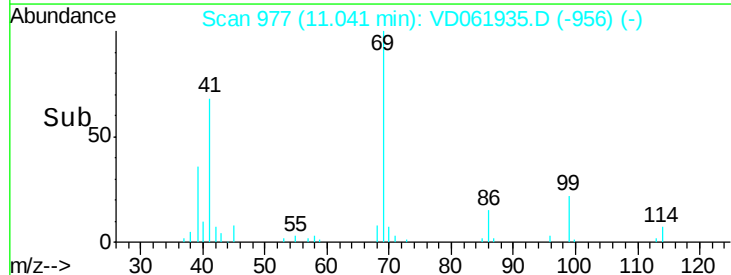
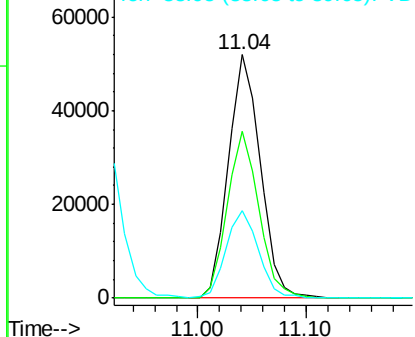


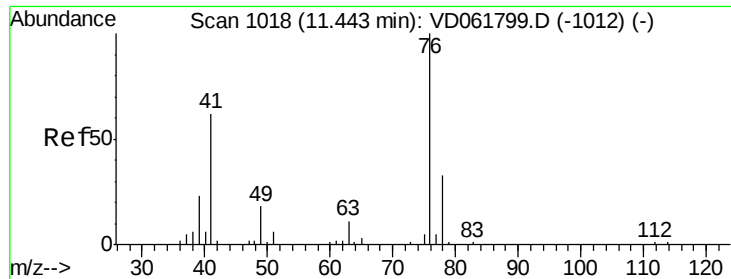
#56
 Ethyl methacrylate
 Concen: 27.513 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion:	69	Resp:	107100
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.3	84.5
39	36.2	29.4	44.2



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





#57

1,3-Dichloropropane

Concen: 26.975 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

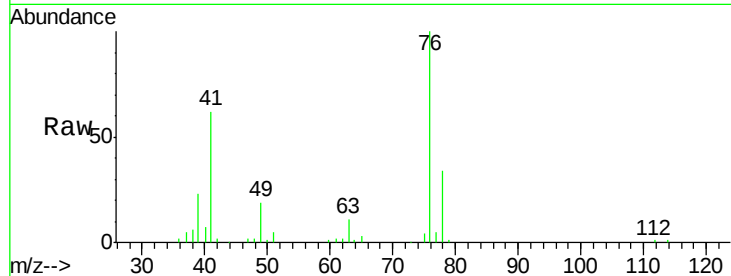
VD0422SBS01

Tot Ion: 76 Resp: 143831

Ion Ratio Lower Upper

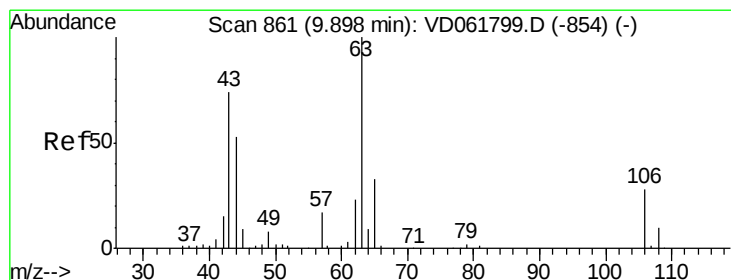
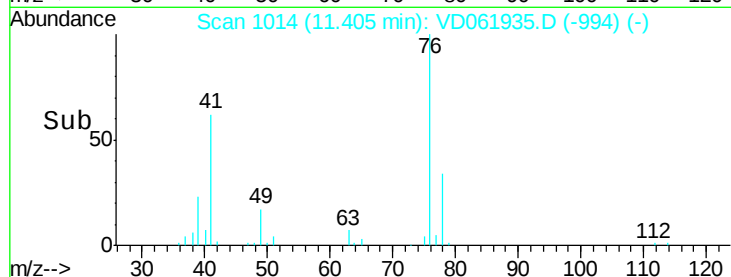
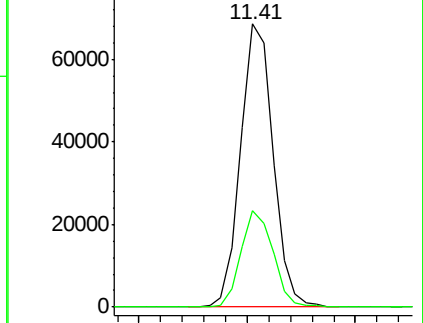
76 100

78 34.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 131.344 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061935.D

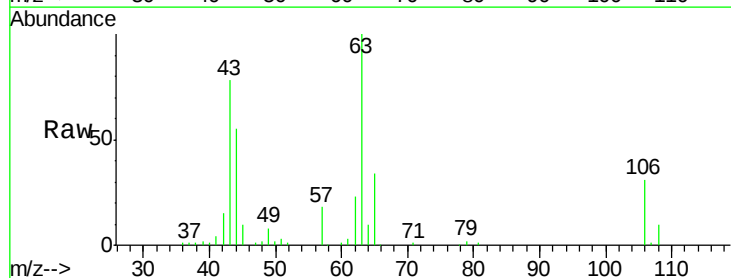
Acq: 22 Apr 2019 13:34

Tgt Ion: 63 Resp: 243185

Ion Ratio Lower Upper

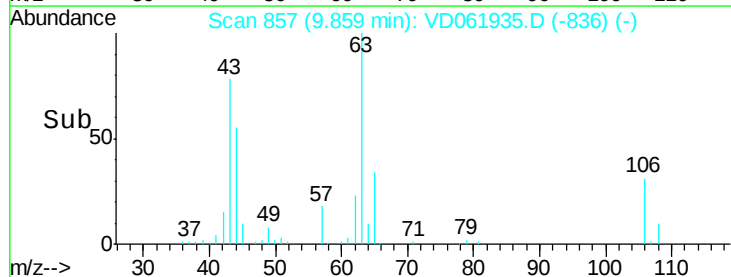
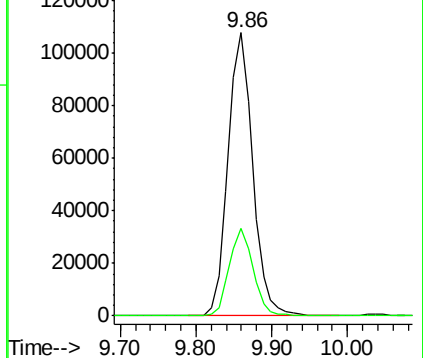
63 100

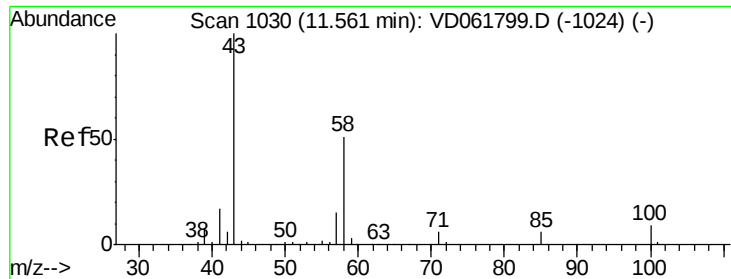
106 30.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

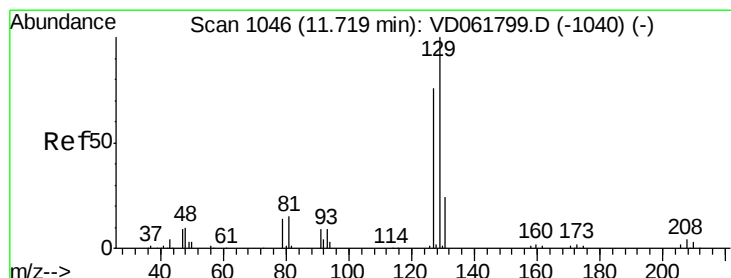
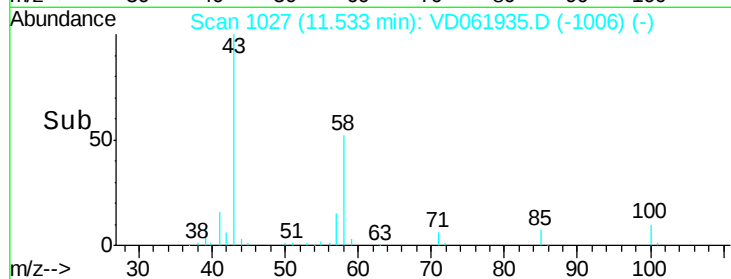
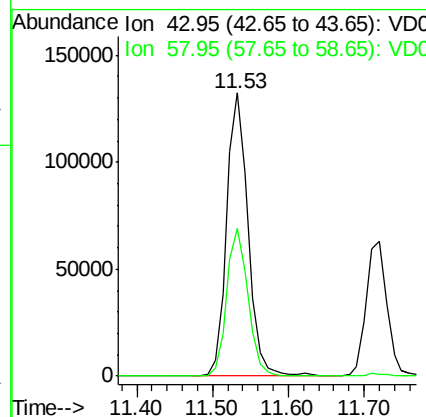
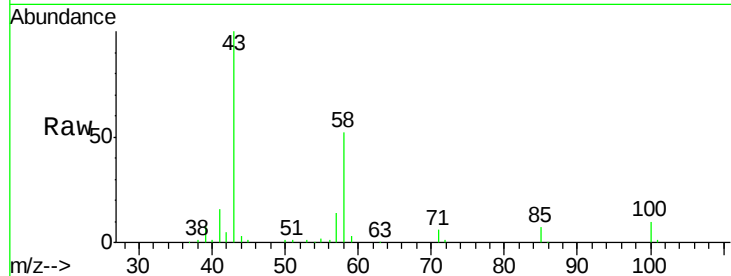




#59
2-Hexanone
Concen: 138.353 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

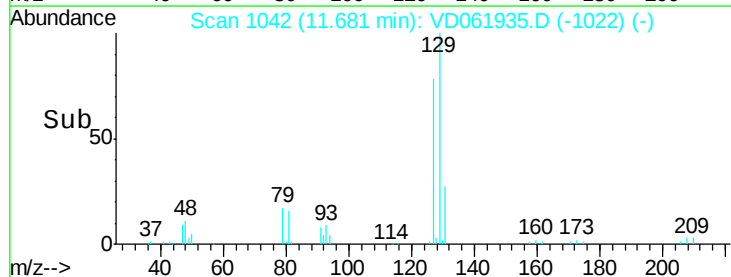
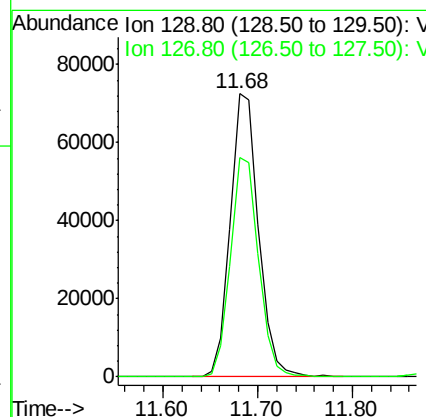
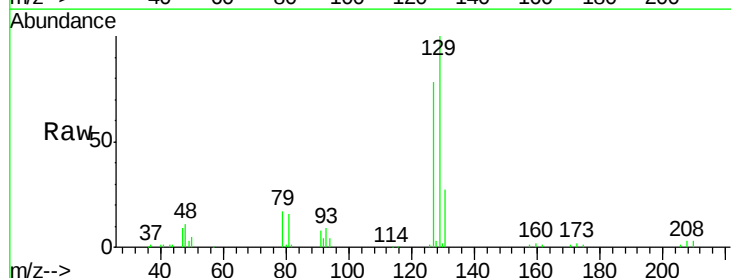
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

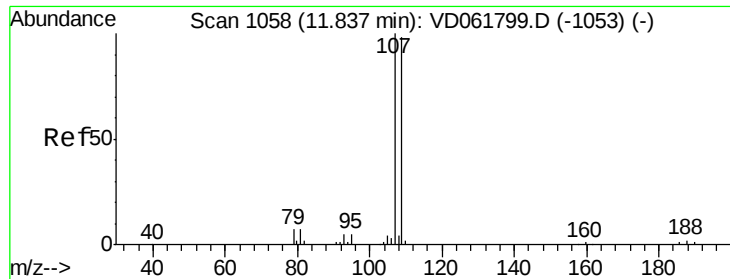
Tot Ion: 43 Resp: 258934
Ion Ratio Lower Upper
43 100
58 52.2 25.4 76.4



#60
Dibromochloromethane
Concen: 25.788 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion:129 Resp: 149653
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9

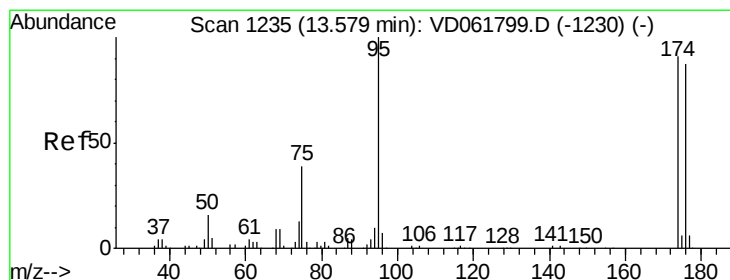
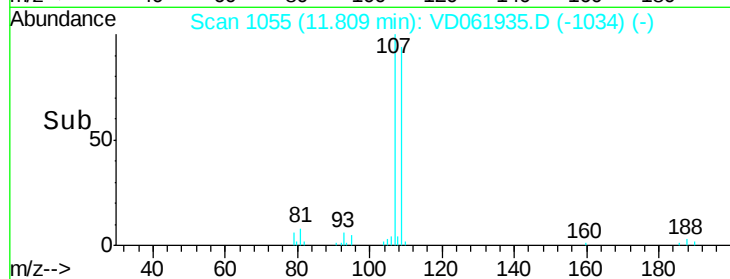
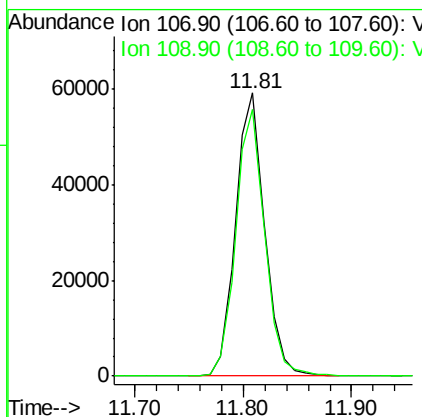
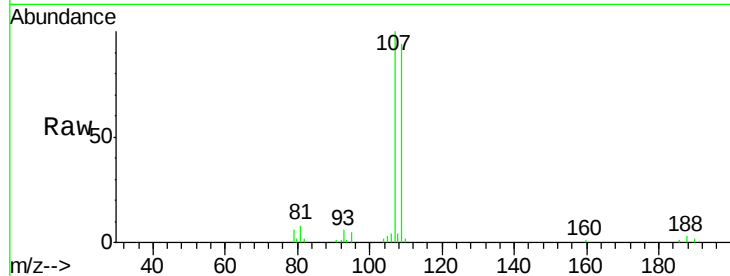




#61
 1,2-Dibromoethane
 Concen: 25.335 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

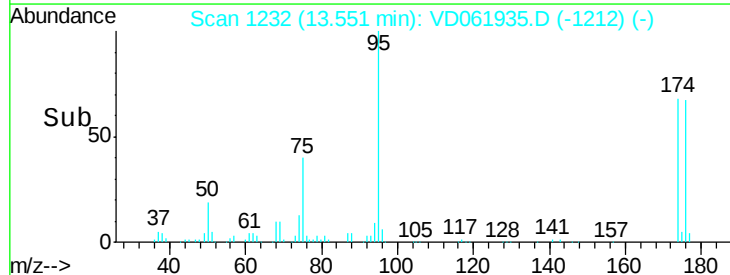
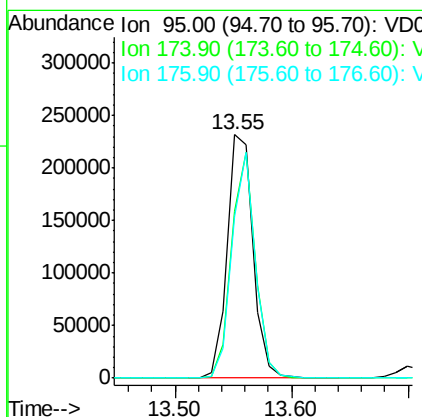
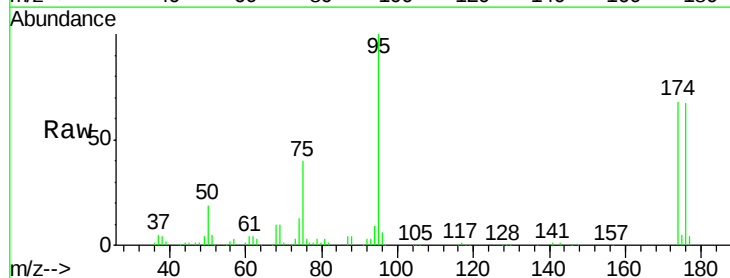
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

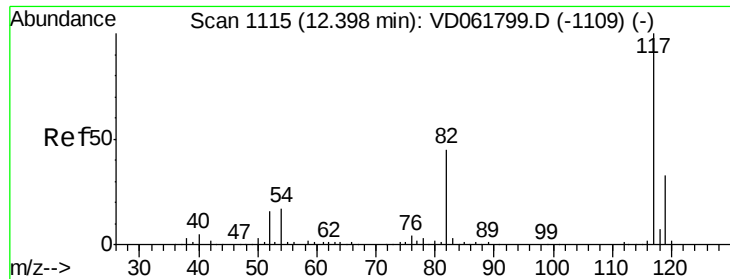
Tot Ion:107 Resp: 110487
 Ion Ratio Lower Upper
 107 100
 109 94.4 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 25.335 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 95 Resp: 354909
 Ion Ratio Lower Upper
 95 100
 174 68.5 0.0 181.8
 176 66.6 0.0 174.4

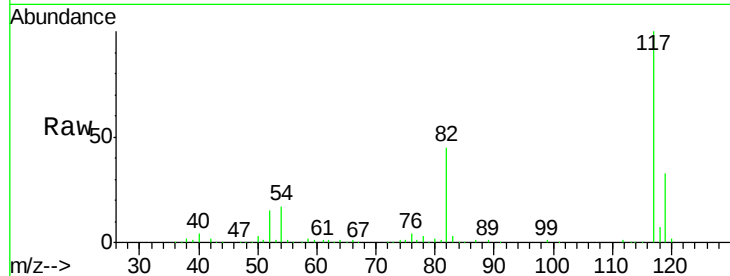




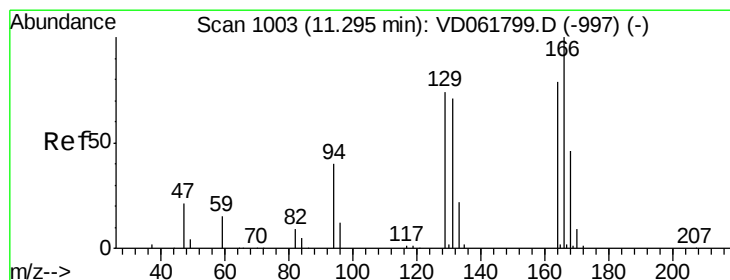
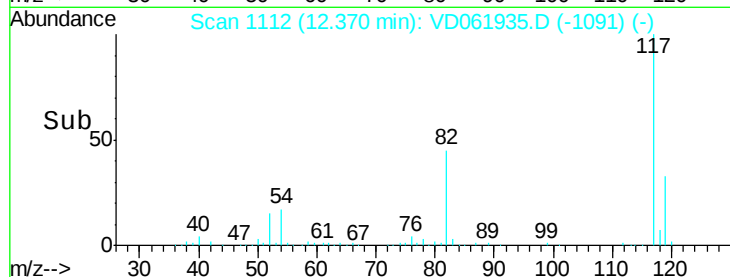
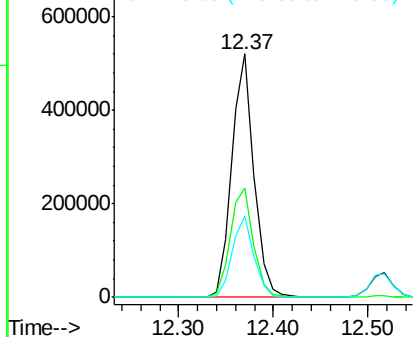
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:117 Resp: 842405
Ion Ratio Lower Upper
117 100
82 44.7 36.2 54.2
119 33.0 26.2 39.4

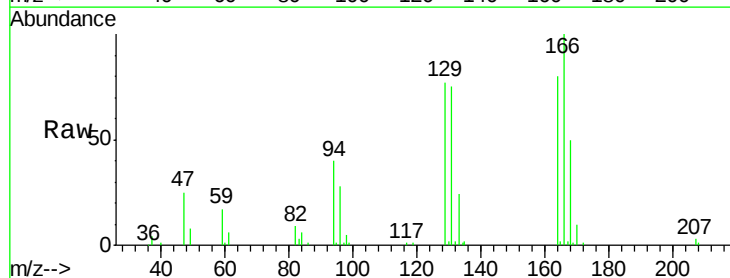


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

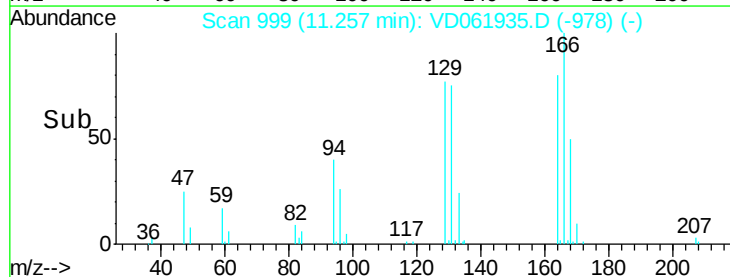
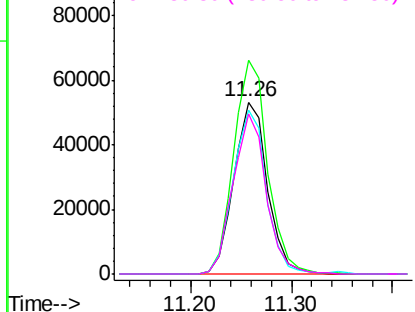


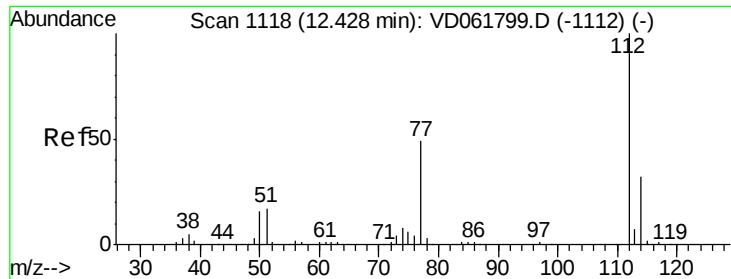
#64
Tetrachloroethene
Concen: 19.426 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion:164 Resp: 122726
Ion Ratio Lower Upper
164 100
166 124.2 101.5 152.3
129 95.2 74.6 112.0
131 93.3 72.6 108.8



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

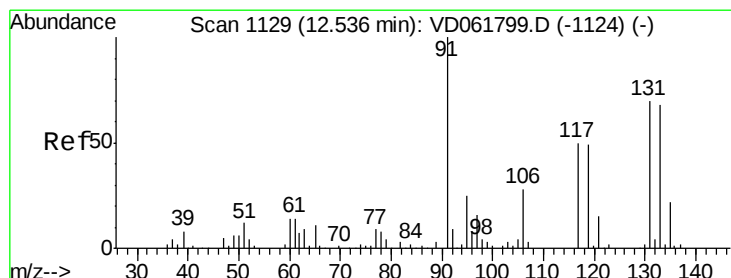
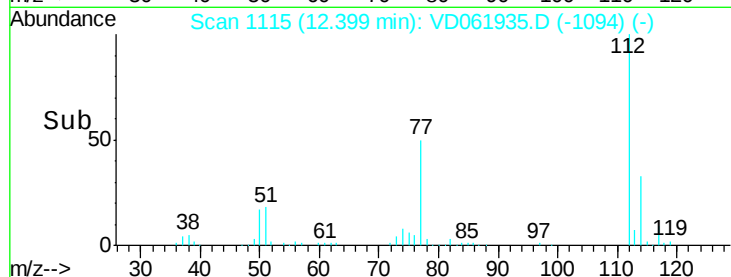
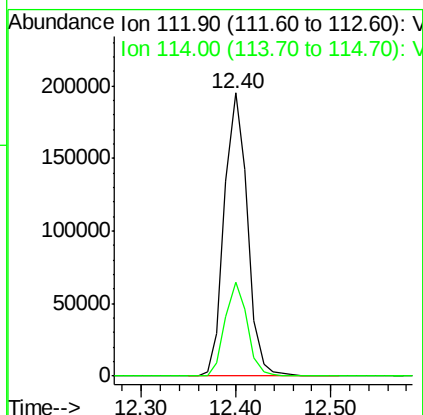
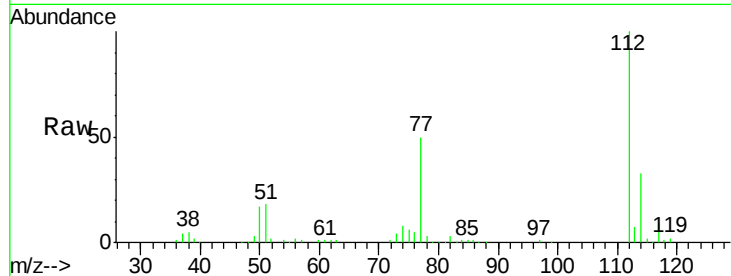




#65
Chlorobenzene
Concen: 20.996 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

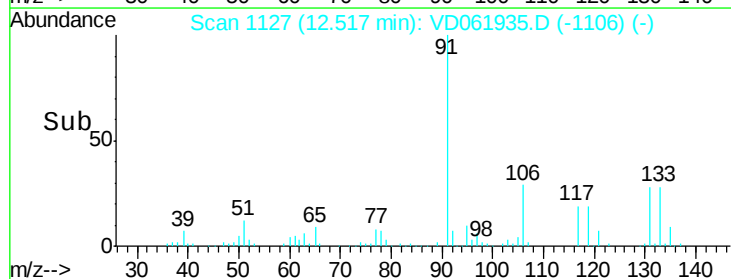
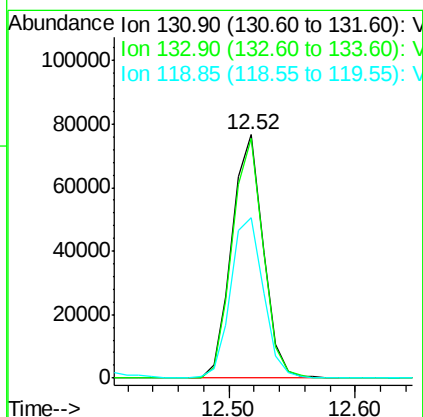
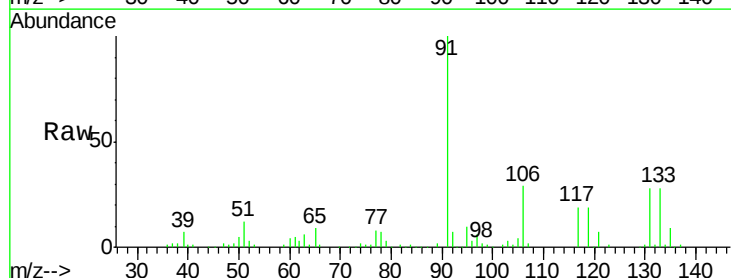
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

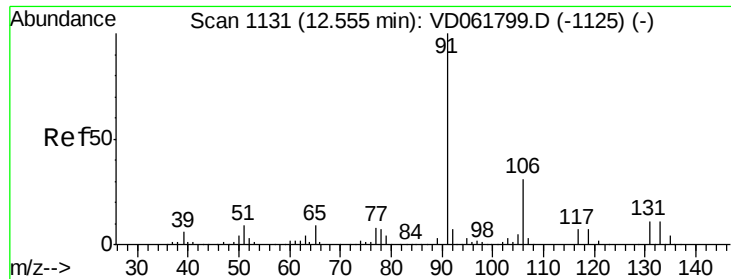
Tot Ion:112 Resp: 329395
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.095 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion:131 Resp: 132112
Ion Ratio Lower Upper
131 100
133 98.7 48.6 145.8
119 66.0 34.7 104.1

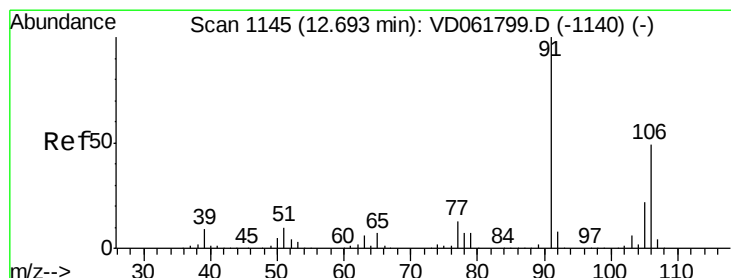
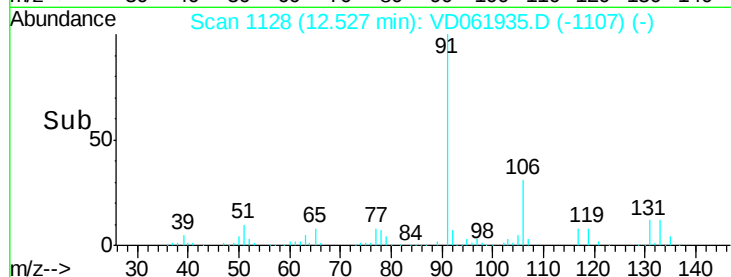
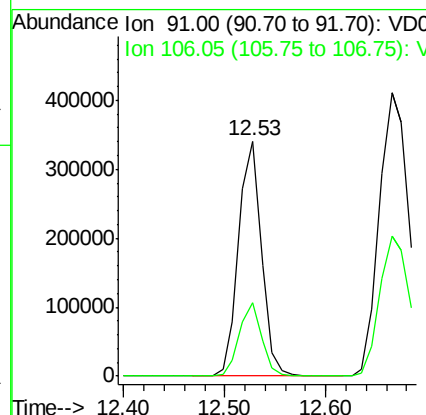
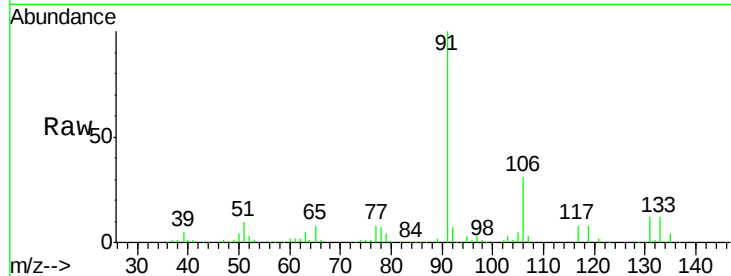




#67
Ethvl Benzene
Concen: 21.393 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

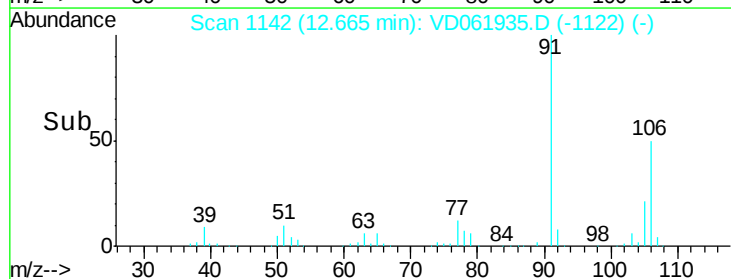
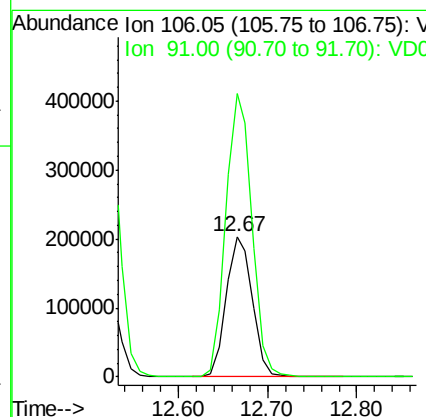
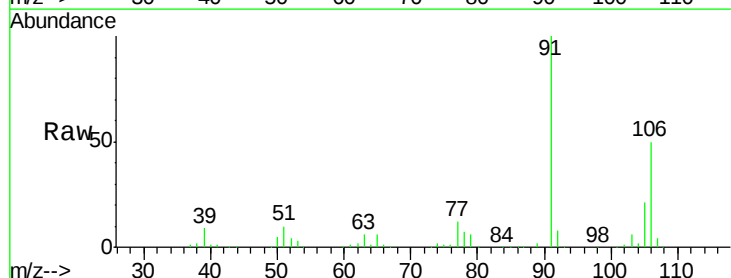
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

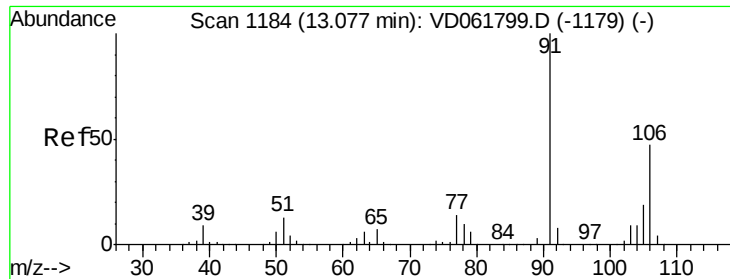
Tot Ion: 91 Resp: 537478
Ion Ratio Lower Upper
91 100
106 31.4 24.7 37.1



#68
m/p-Xylenes
Concen: 44.190 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion:106 Resp: 417041
Ion Ratio Lower Upper
106 100
91 201.8 164.0 246.0

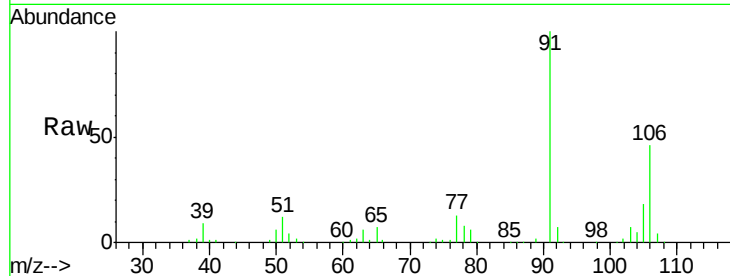




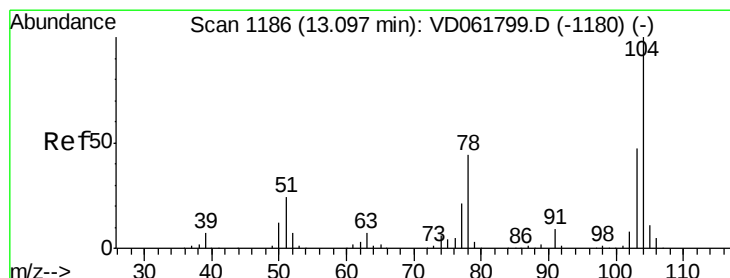
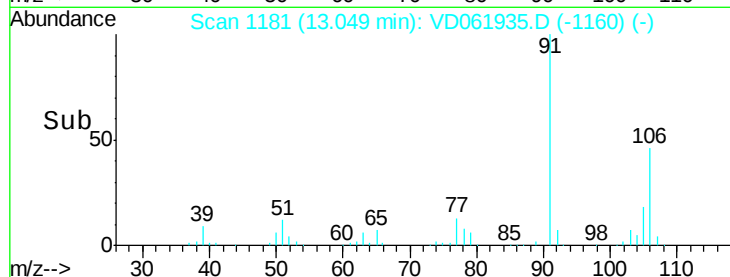
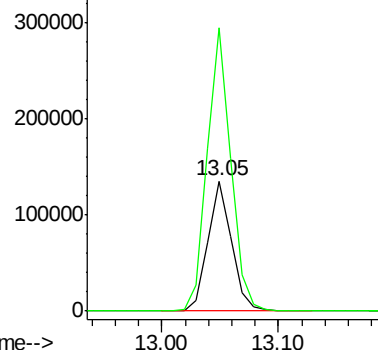
#69
o-Xylene
Concen: 21.603 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:106 Resp: 191628
Ion Ratio Lower Upper
106 100
91 217.6 106.7 319.9

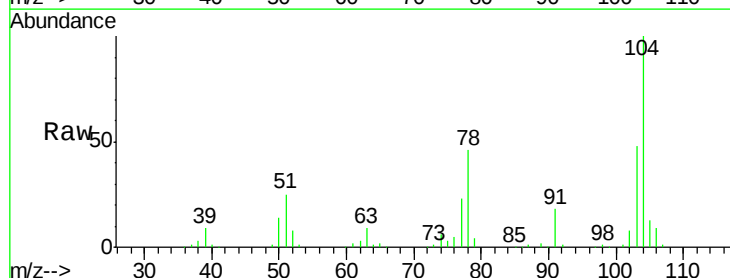


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

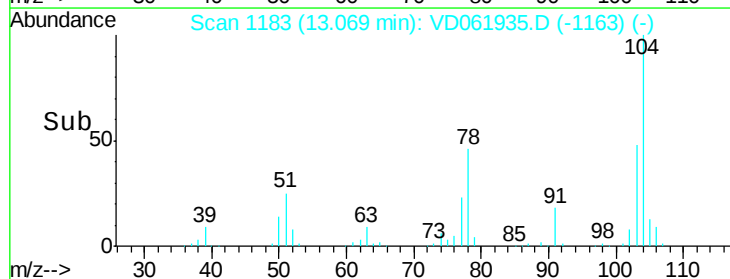
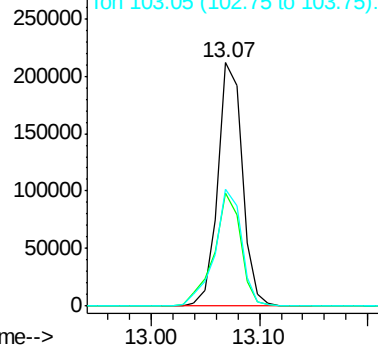


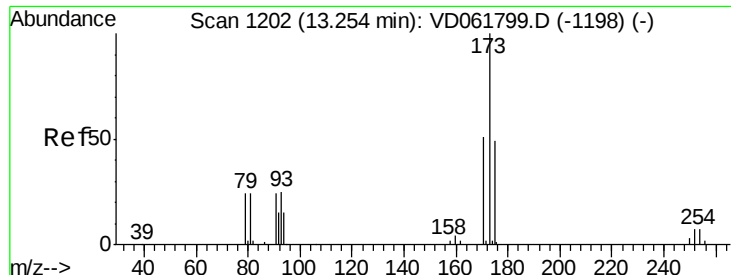
#70
Styrene
Concen: 21.894 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion:104 Resp: 334207
Ion Ratio Lower Upper
104 100
78 46.5 35.4 53.2
103 48.2 37.5 56.3



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





#71

Bromoform

Concen: 22.602 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

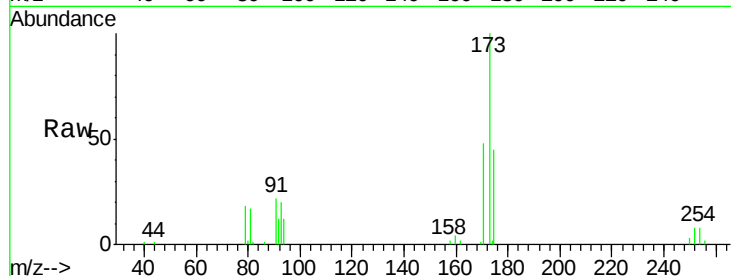
Tot Ion:173 Resp: 88204

Ion Ratio Lower Upper

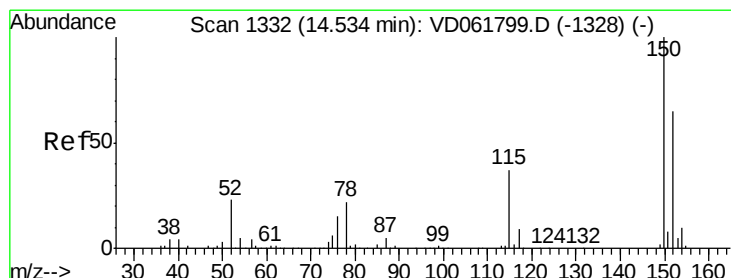
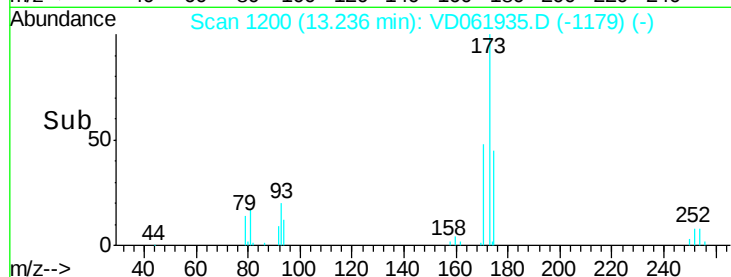
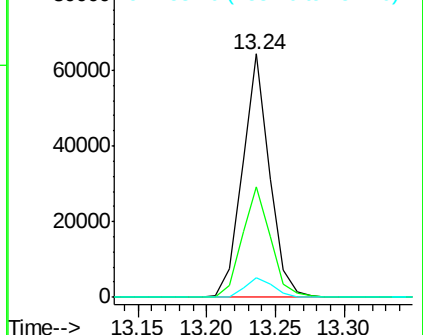
173 100

175 45.2 24.4 73.4

254 8.1 5.4 8.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

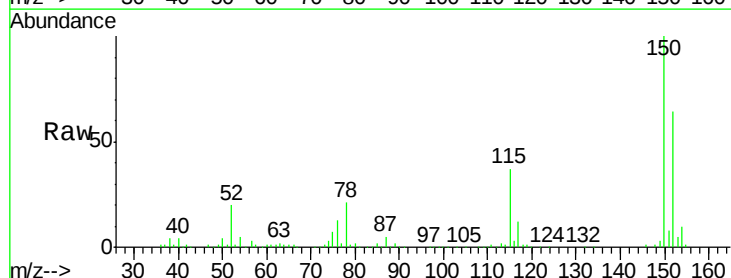
Tgt Ion:152 Resp: 379313

Ion Ratio Lower Upper

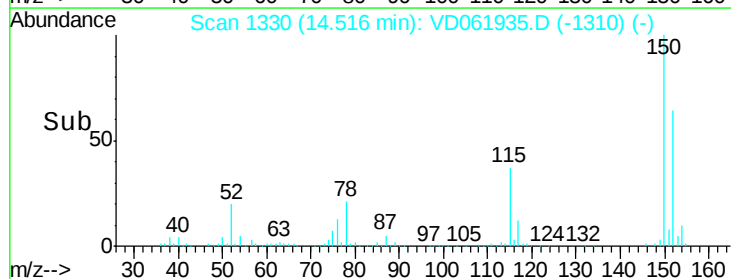
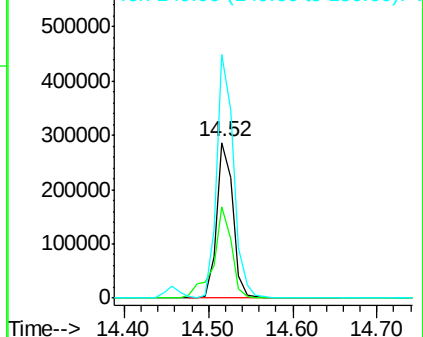
152 100

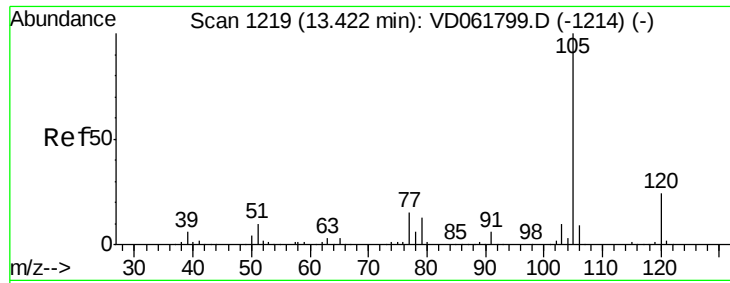
115 58.4 30.9 92.7

150 156.2 0.0 314.8



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





#73

Isopropylbenzene

Concen: 21.800 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

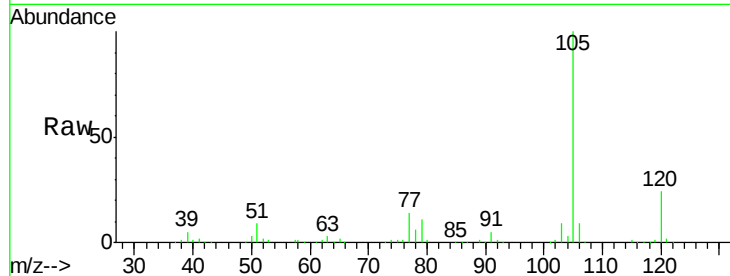
VD0422SBS01

Tot Ion:105 Resp: 536286

Ion Ratio Lower Upper

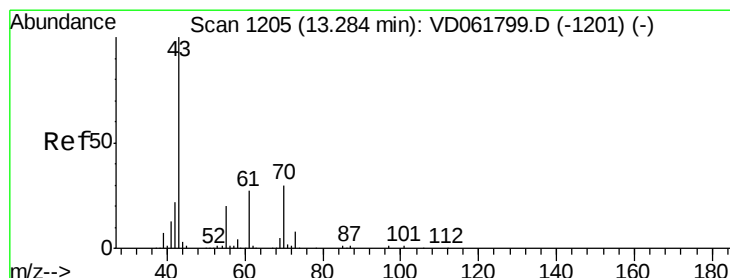
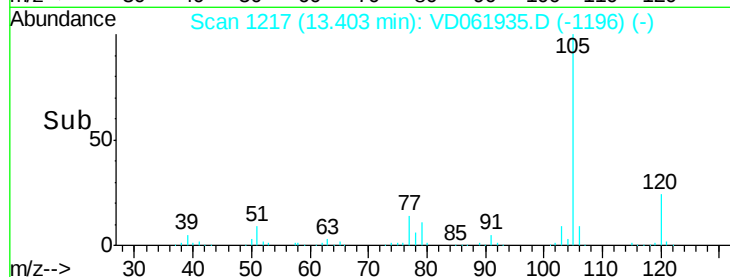
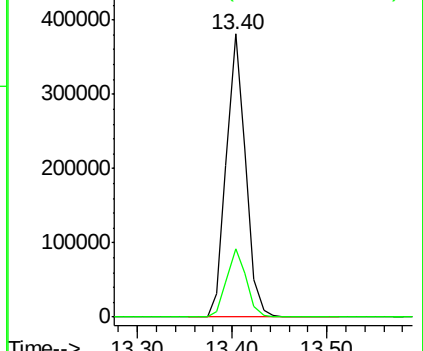
105 100

120 24.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.167 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Tgt Ion: 43 Resp: 133402

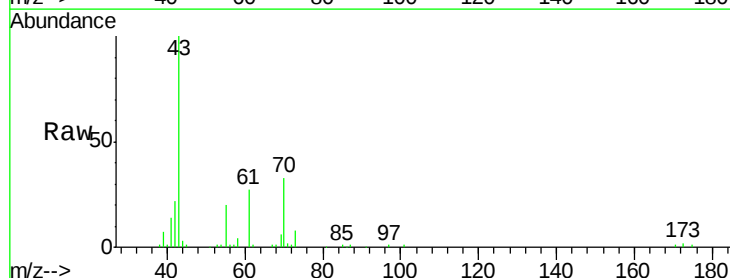
Ion Ratio Lower Upper

43 100

70 33.0 24.2 36.4

55 19.5 16.0 24.0

61 26.9 21.6 32.4

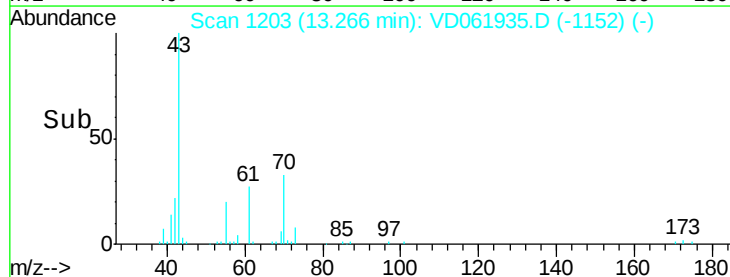
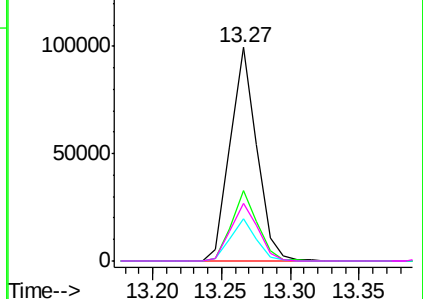


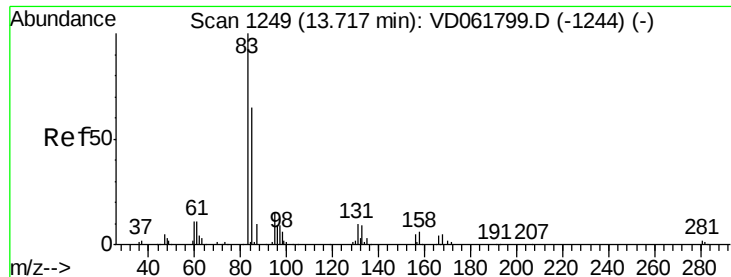
Abundance Ion 42.95 (42.65 to 43.65): V

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: 22.493 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

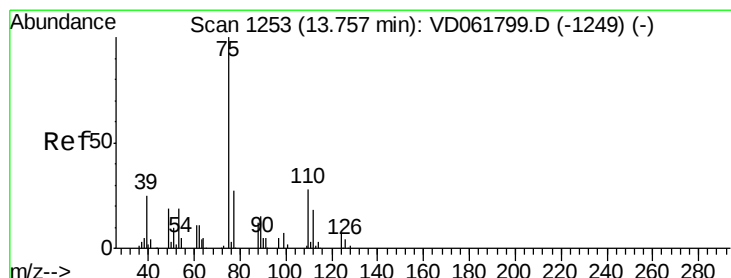
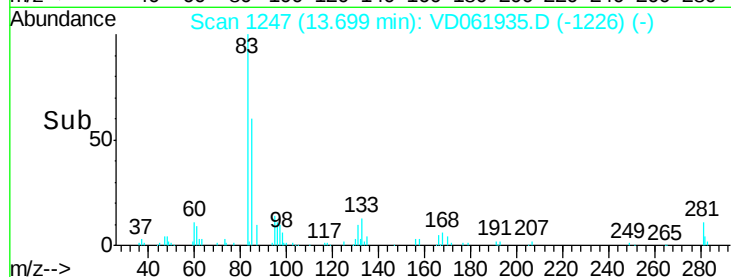
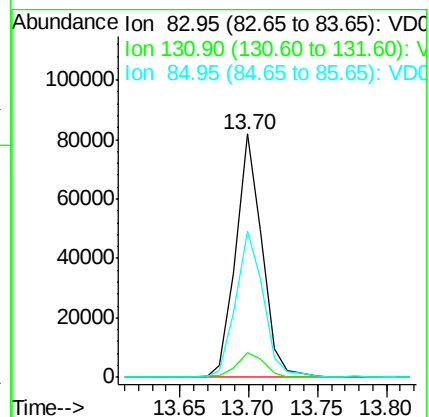
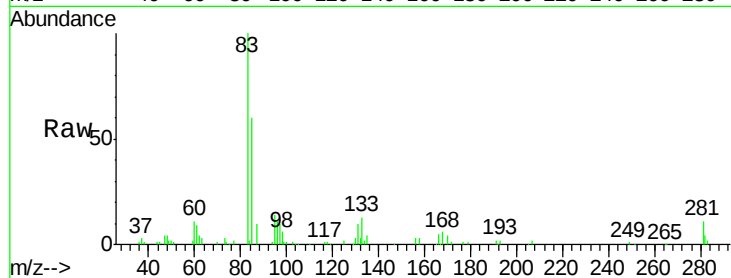
Tot Ion: 83 Resp: 109375

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

85 60.2 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 22.421 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061935.D

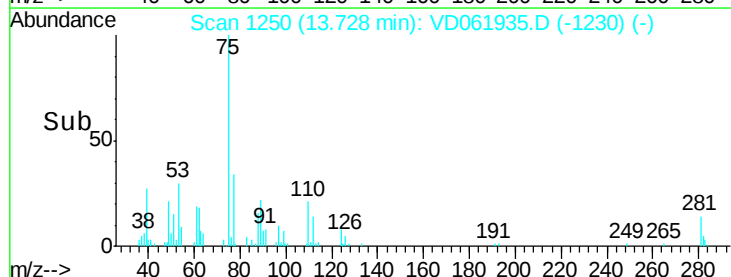
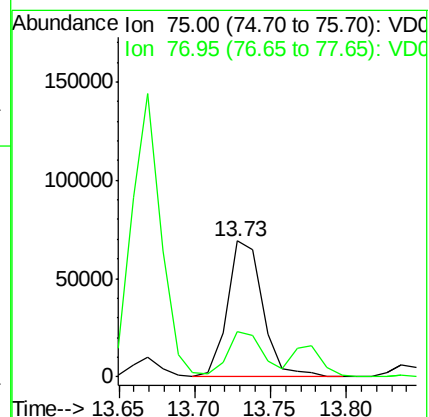
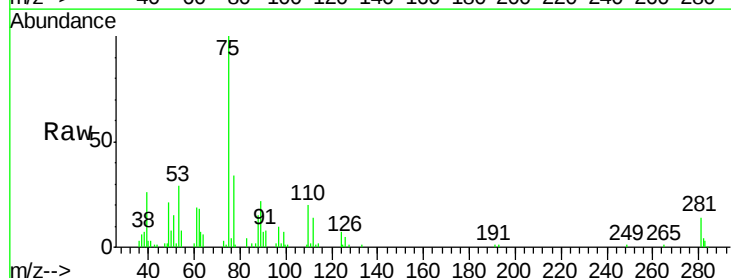
Acq: 22 Apr 2019 13:34

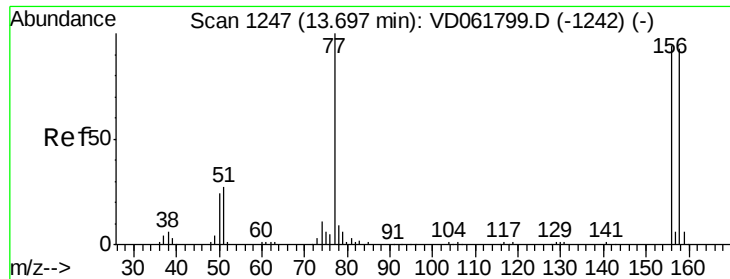
Tgt Ion: 75 Resp: 111687

Ion Ratio Lower Upper

75 100

77 33.6 16.4 49.4





#77

Bromobenzene

Concen: 22.696 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

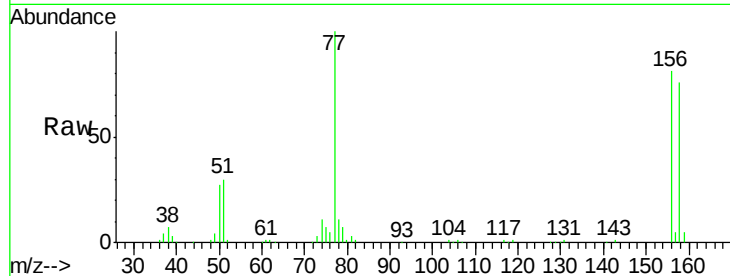
Tot Ion:156 Resp: 158594

Ion Ratio Lower Upper

156 100

77 122.9 53.1 159.4

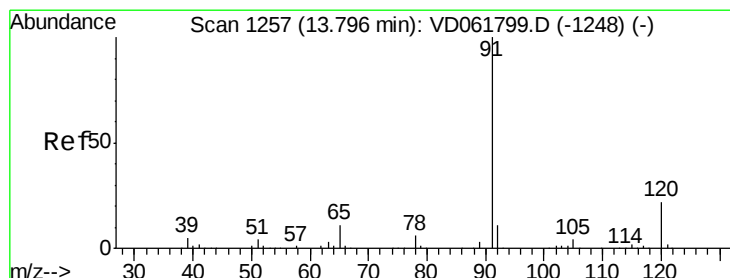
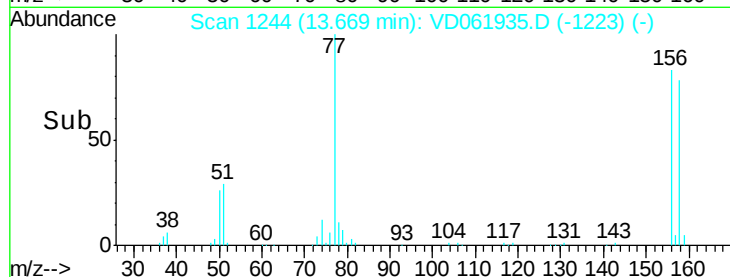
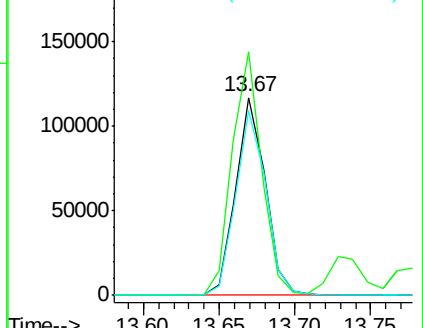
158 93.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.475 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061935.D

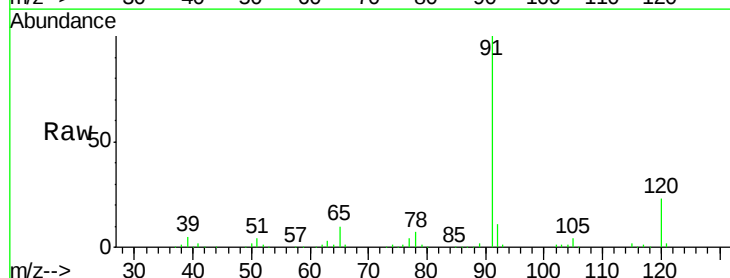
Acq: 22 Apr 2019 13:34

Tgt Ion: 91 Resp: 638776

Ion Ratio Lower Upper

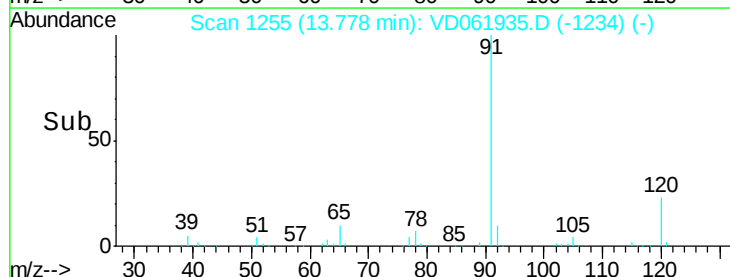
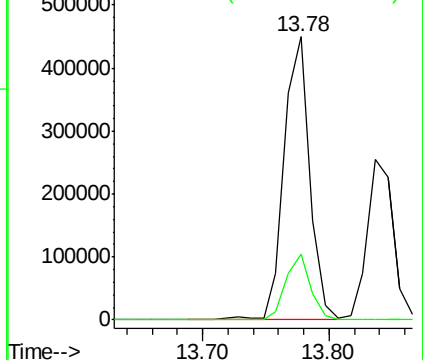
91 100

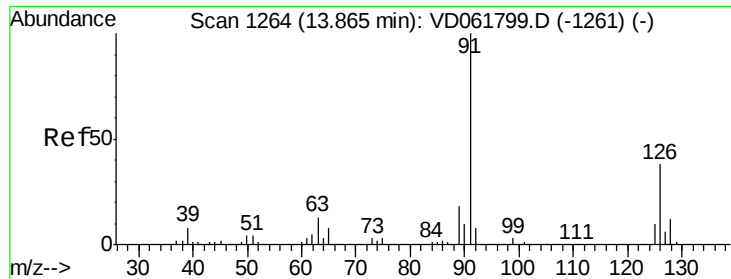
120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

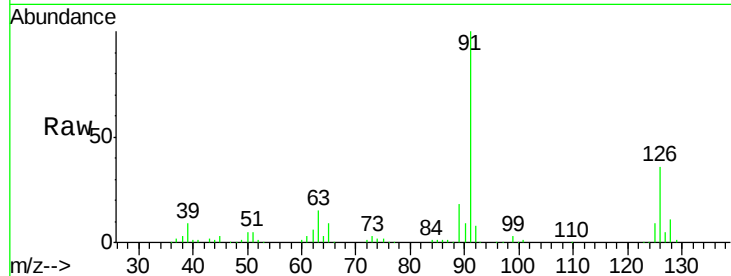




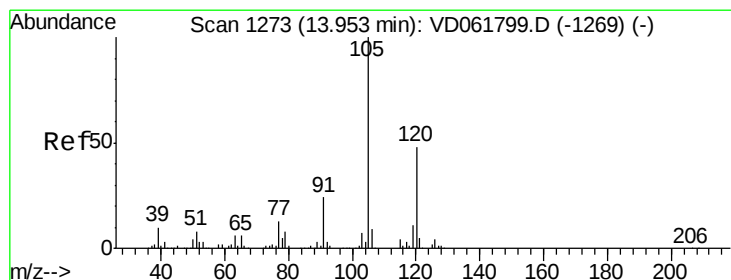
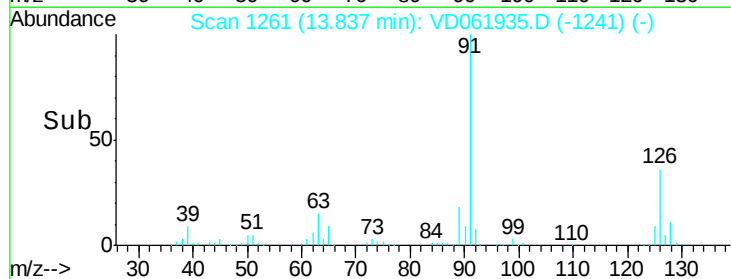
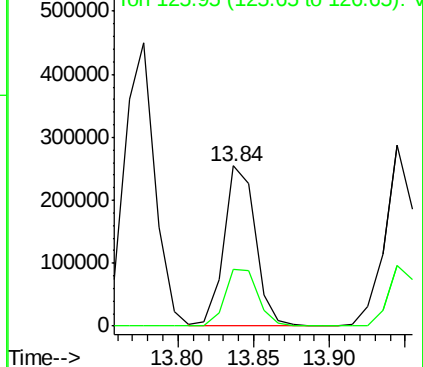
#79
 2-Chlorotoluene
 Concen: 22.178 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion: 91 Resp: 368218
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.6 55.8

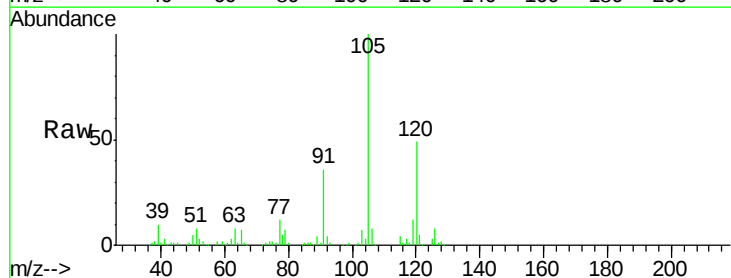


Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)
 Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

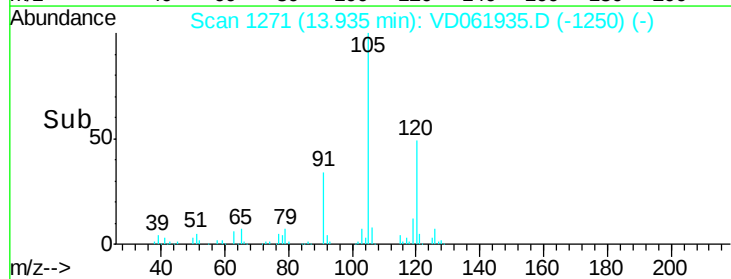
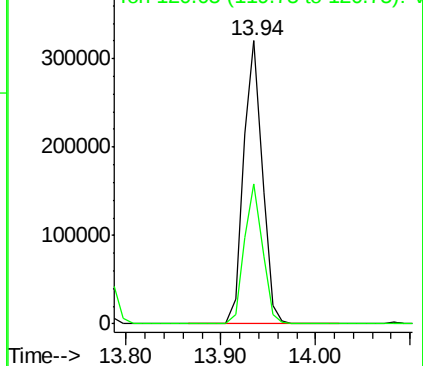


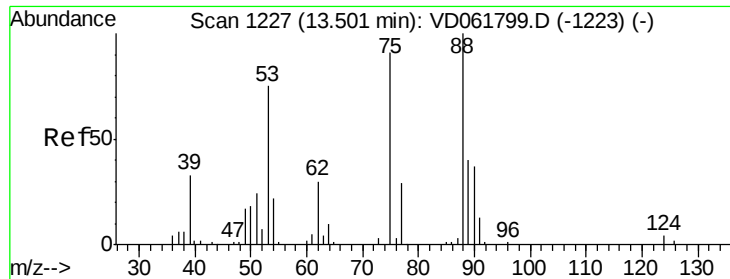
#80
 1,3,5-Trimethylbenzene
 Concen: 22.399 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 105 Resp: 437198
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)
 Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.720 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

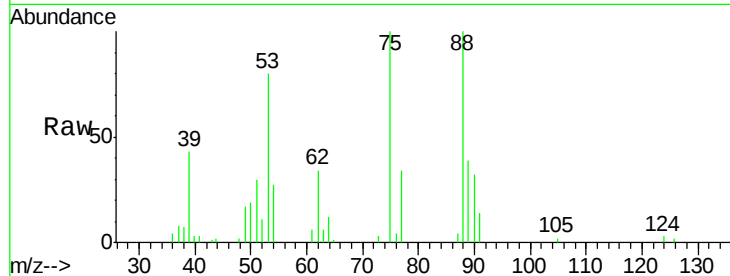
Tot Ion: 75 Resp: 28359

Ion Ratio Lower Upper

75 100

53 79.8 65.8 98.8

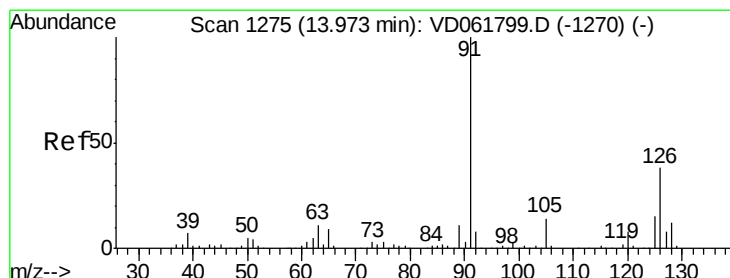
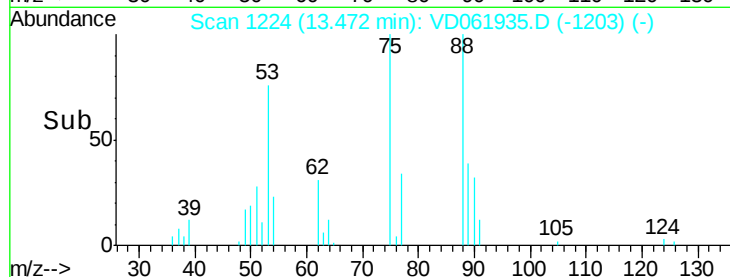
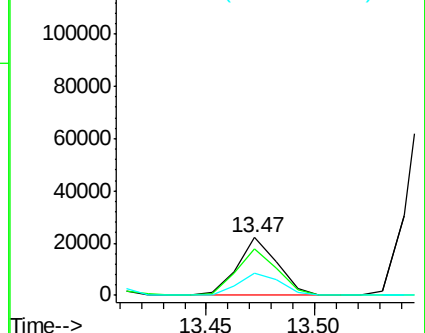
89 38.7 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.962 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061935.D

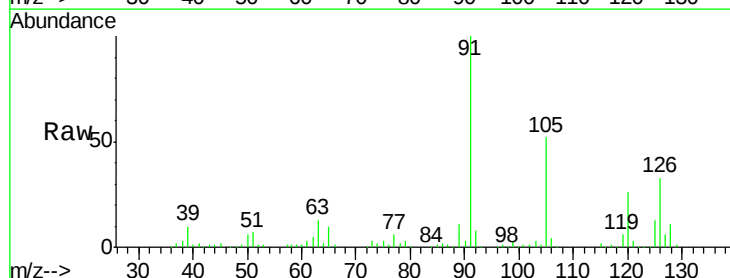
Acq: 22 Apr 2019 13:34

Tgt Ion: 91 Resp: 398358

Ion Ratio Lower Upper

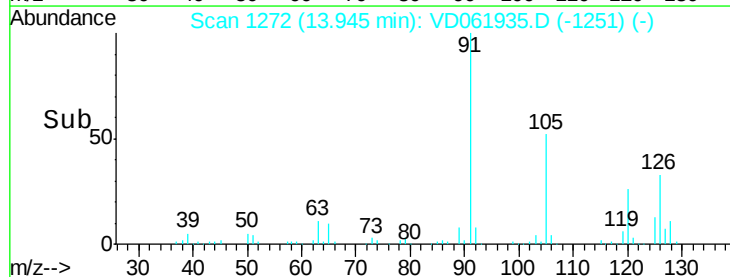
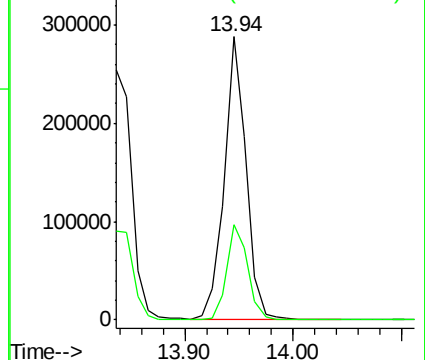
91 100

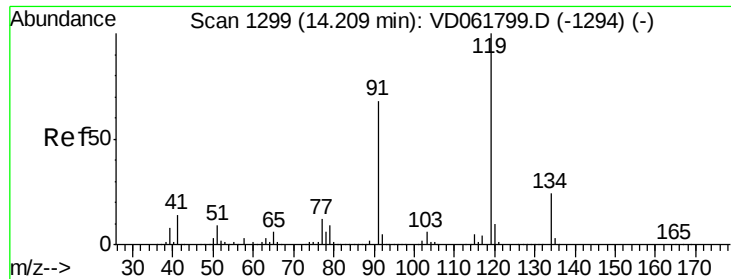
126 33.5 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

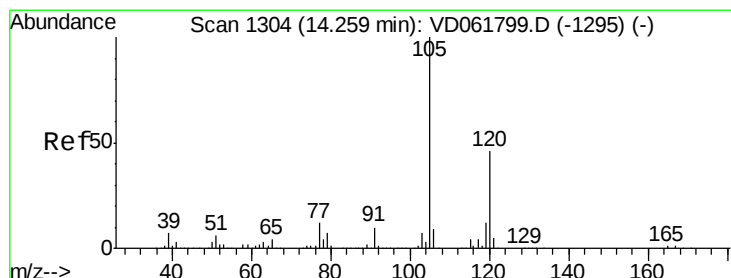
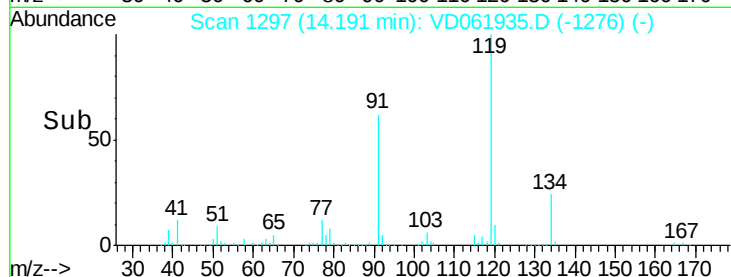
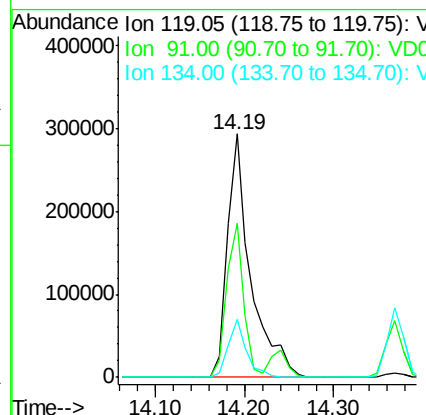
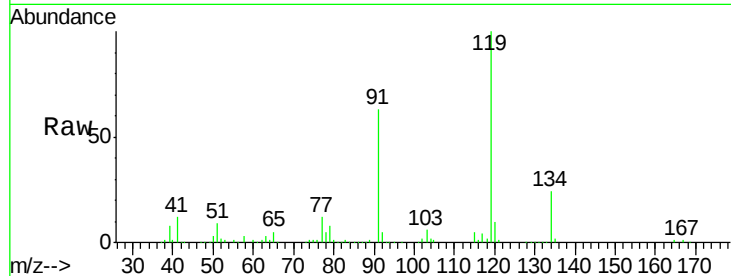




#83
 tert-Butylbenzene
 Concen: 23.525 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

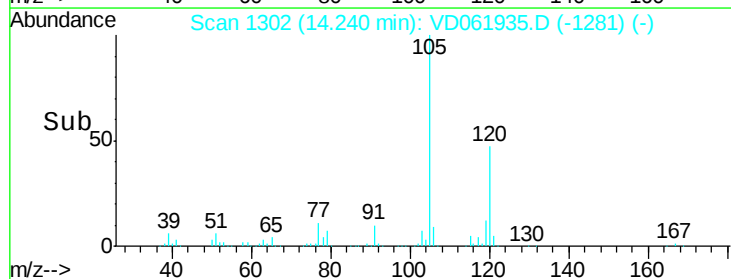
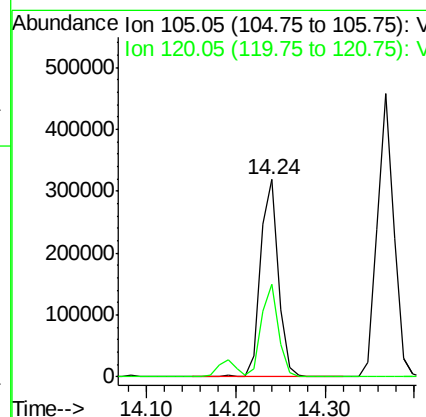
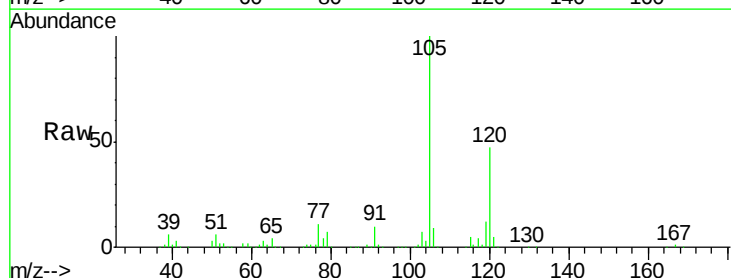
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

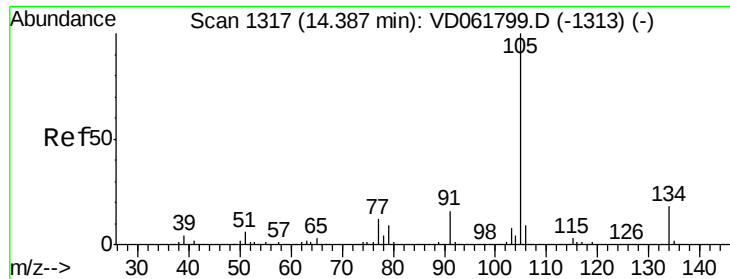
Tot Ion:119 Resp: 539169
 Ion Ratio Lower Upper
 119 100
 91 63.4 34.2 102.6
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.130 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion:105 Resp: 434207
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.1 69.2

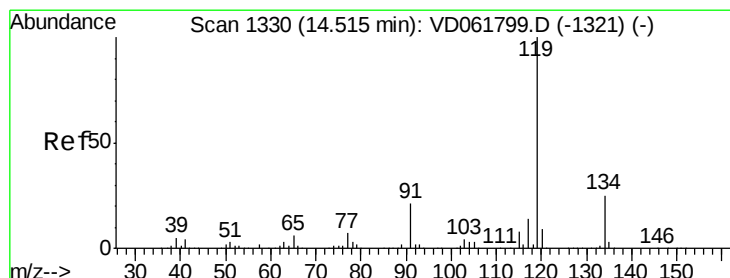
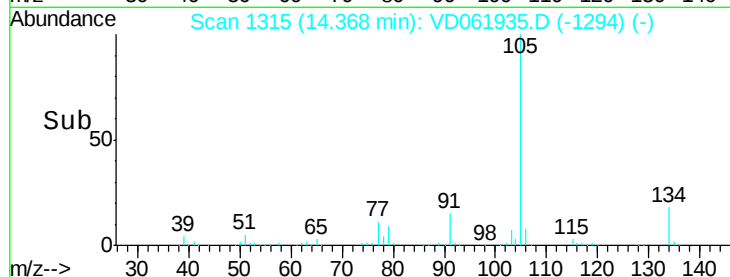
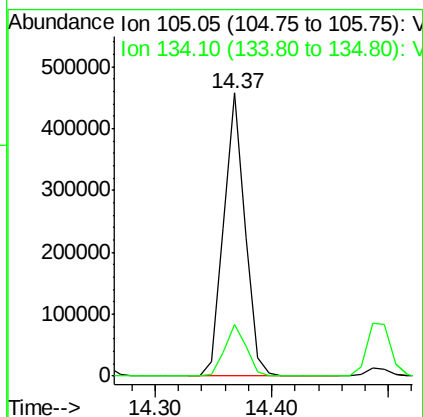
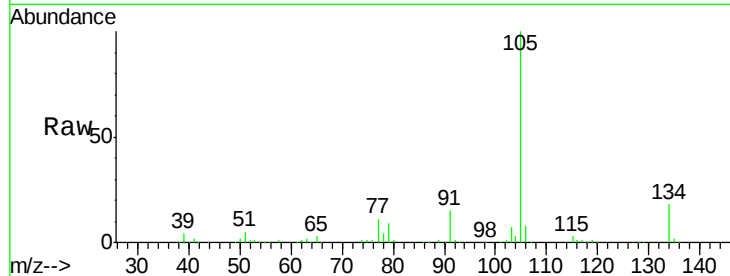




#85
 sec-Butylbenzene
 Concen: 24.532 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

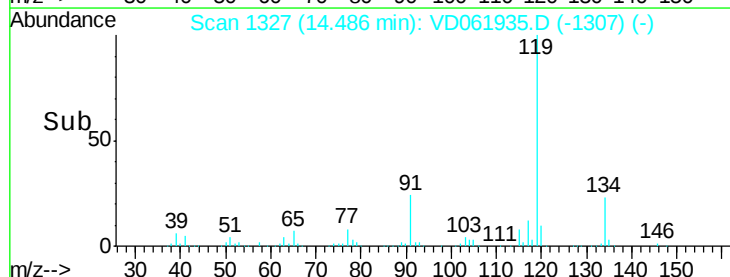
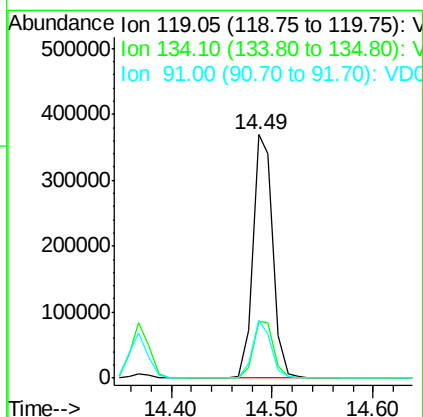
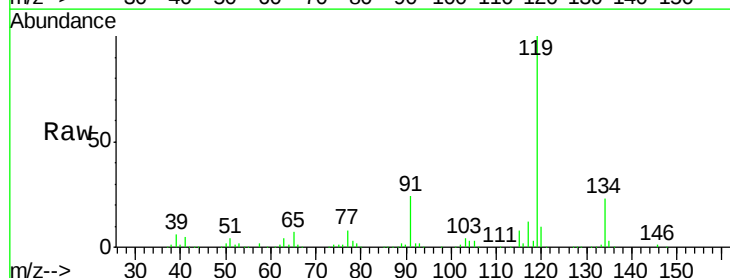
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0422SBS01

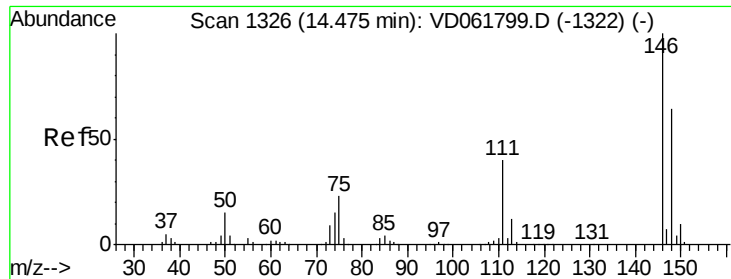
Tot Ion:105 Resp: 581221
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 22.963 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion:119 Resp: 509054
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.8 38.3
 91 23.8 10.7 32.1

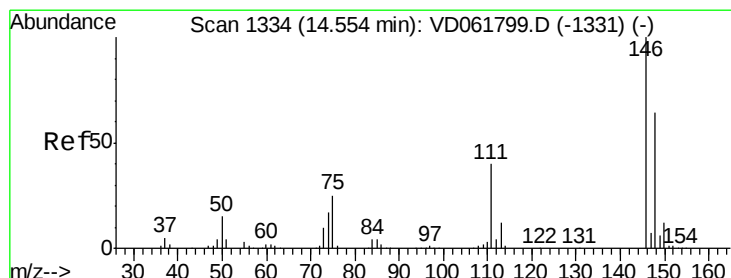
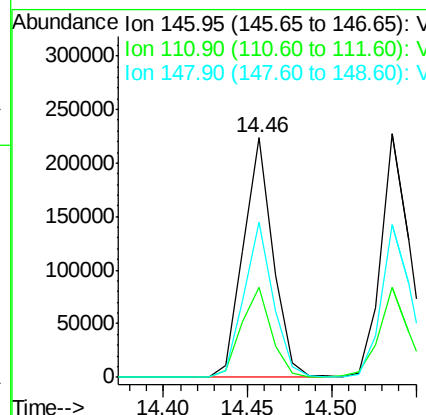
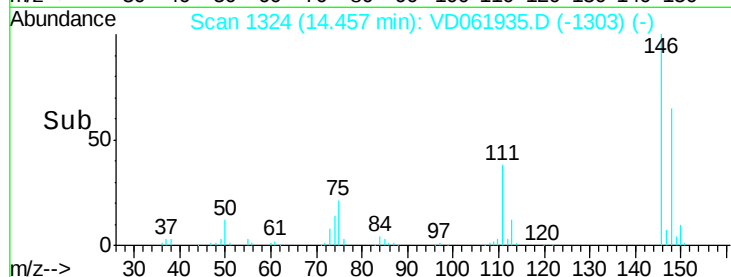
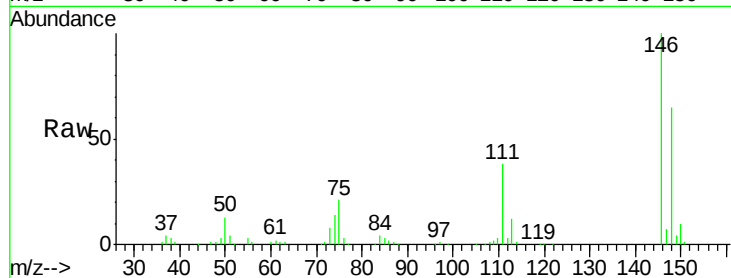




#87
 1,3-Dichlorobenzene
 Concen: 22.521 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

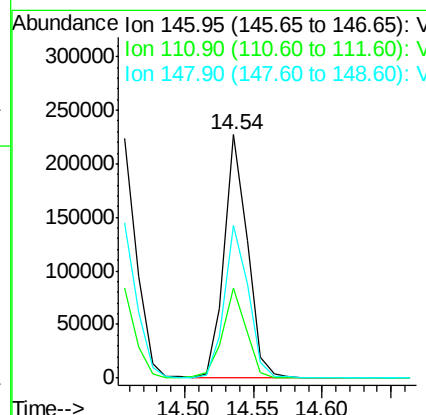
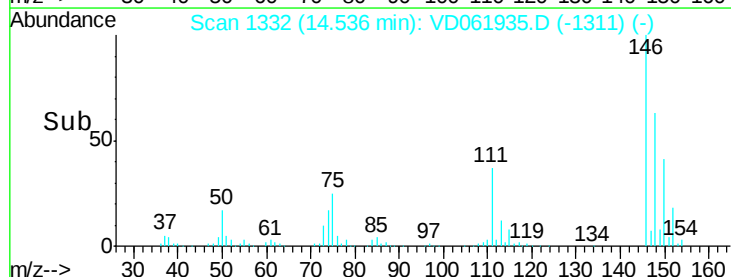
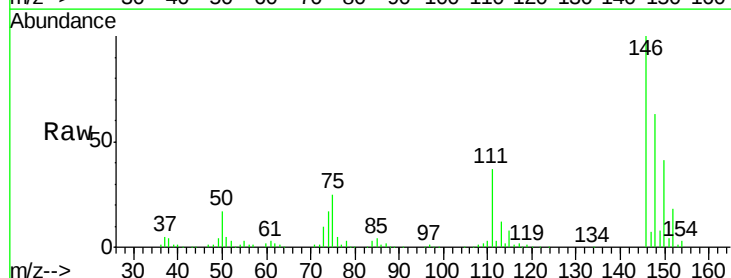
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

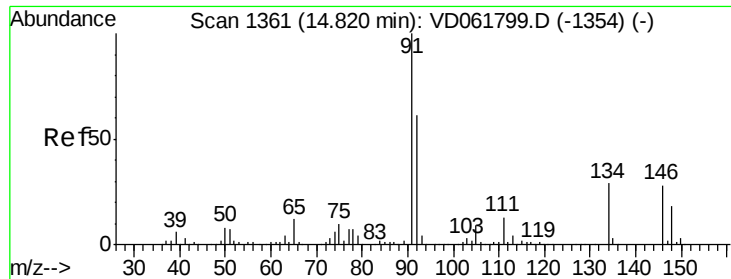
Tot Ion:146 Resp: 274735
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.0 60.0
 148 65.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.048 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion:146 Resp: 265870
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.2 60.5
 148 62.9 32.0 96.2





#89

n-Butylbenzene

Concen: 24.142 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061935.D

Acq: 22 Apr 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

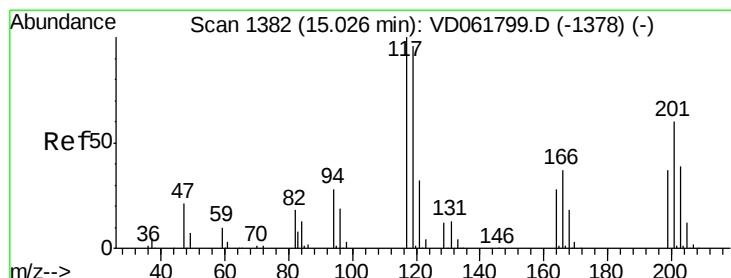
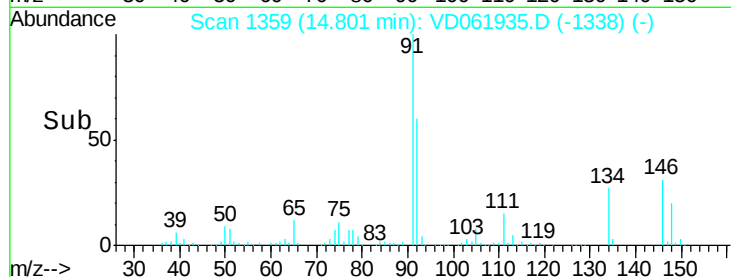
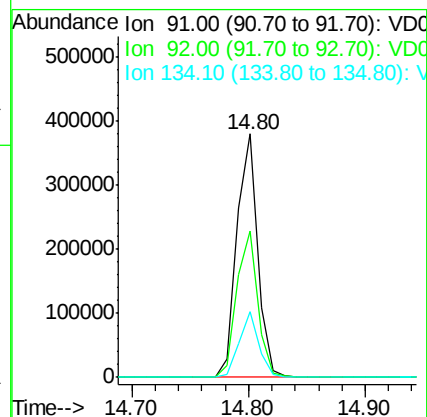
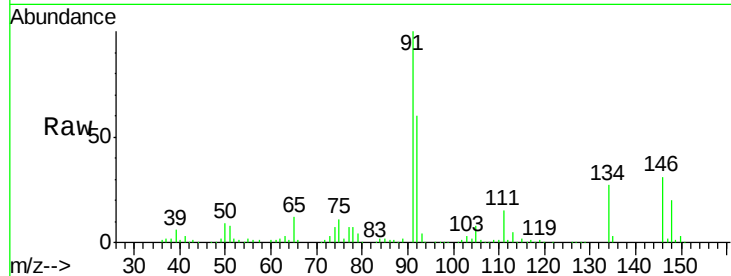
Tot Ion: 91 Resp: 473737

Ion Ratio Lower Upper

91 100

92 60.0 30.3 91.0

134 27.2 14.5 43.6



#90

Hexachloroethane

Concen: 21.764 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061935.D

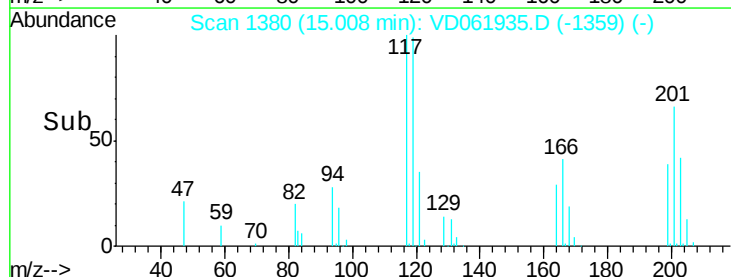
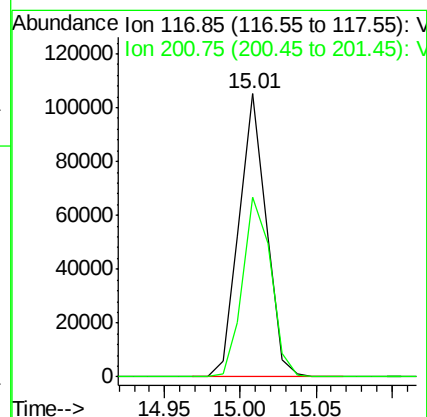
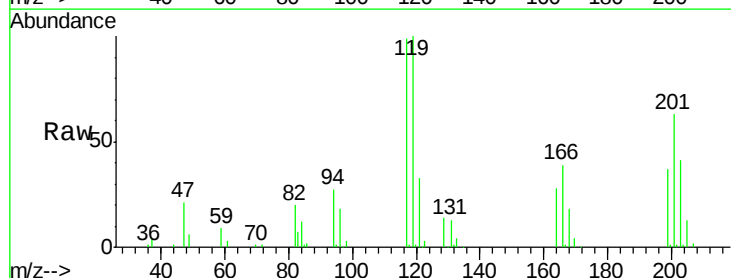
Acq: 22 Apr 2019 13:34

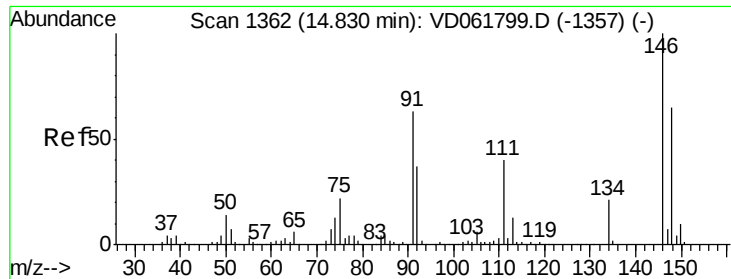
Tgt Ion: 117 Resp: 131500

Ion Ratio Lower Upper

117 100

201 63.5 30.2 90.6

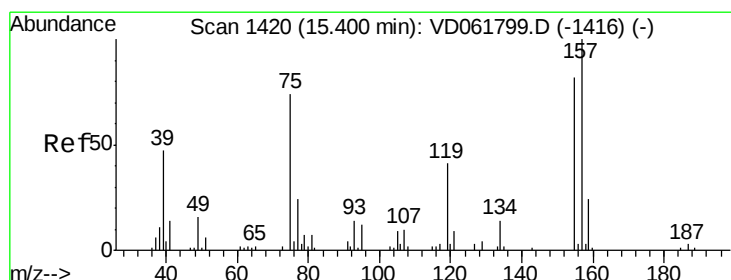
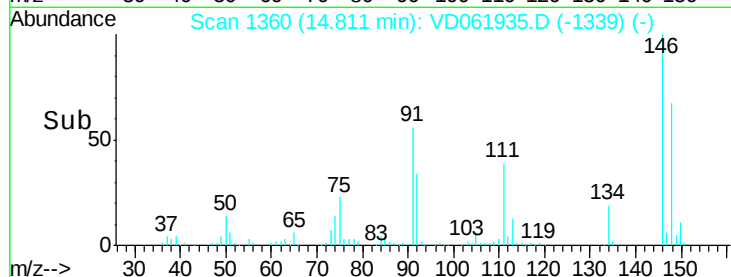
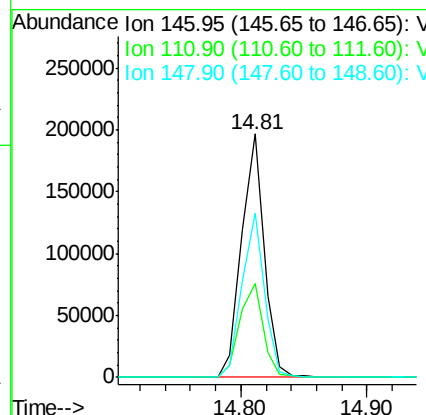
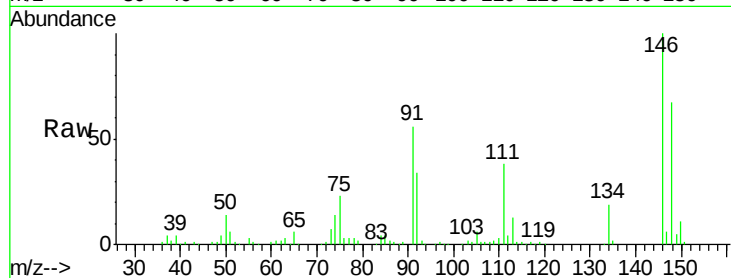




#91
 1,2-Dichlorobenzene
 Concen: 23.820 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

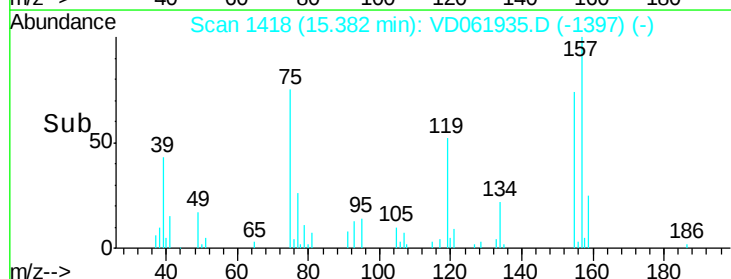
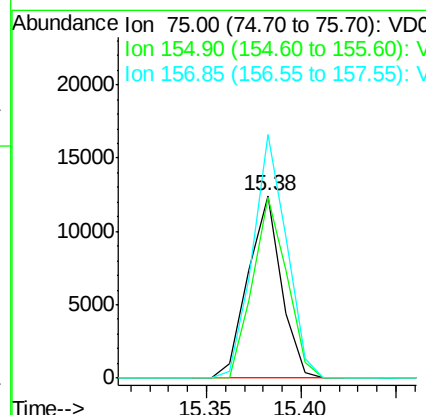
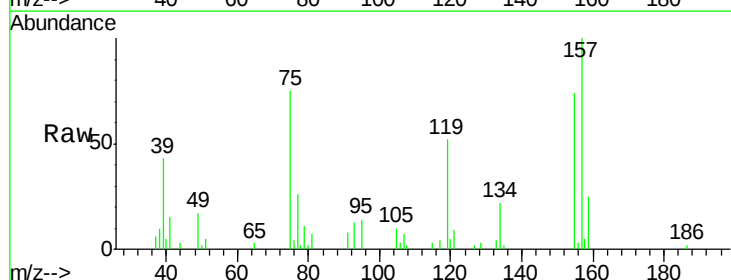
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

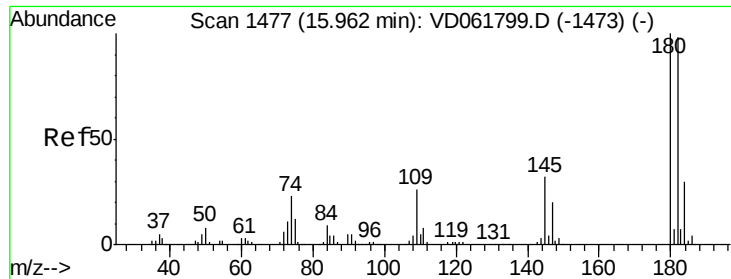
Tot Ion:146 Resp: 243407
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.0 59.9
 148 67.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.322 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion: 75 Resp: 15103
 Ion Ratio Lower Upper
 75 100
 155 99.3 55.3 165.8
 157 133.3 67.8 203.2

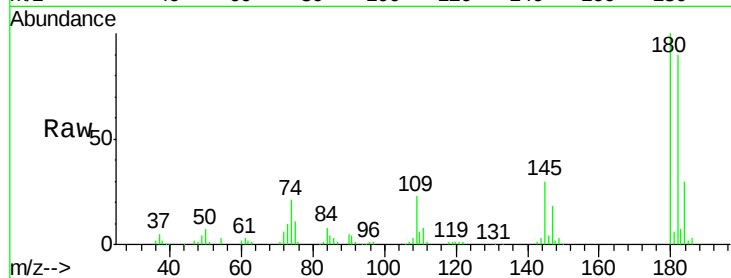




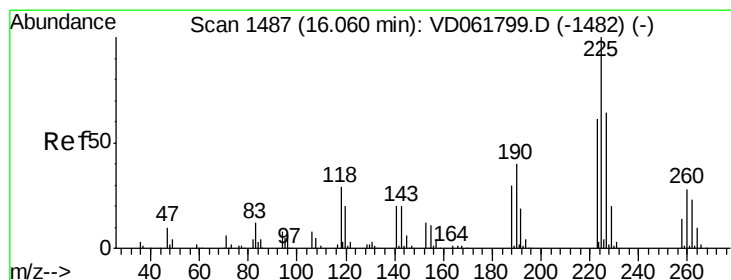
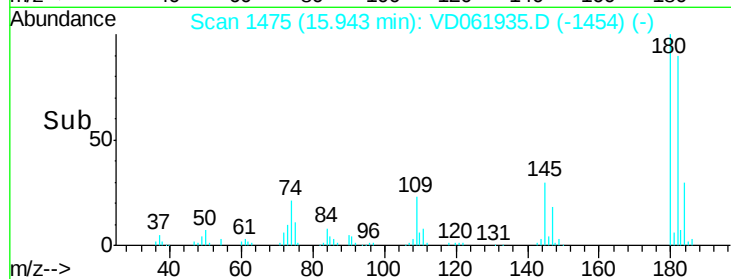
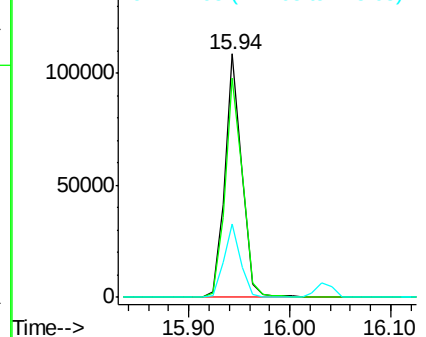
#93
 1,2,4-Trichlorobenzene
 Concen: 22.822 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.3	49.3	147.8
145	30.3	16.2	48.6

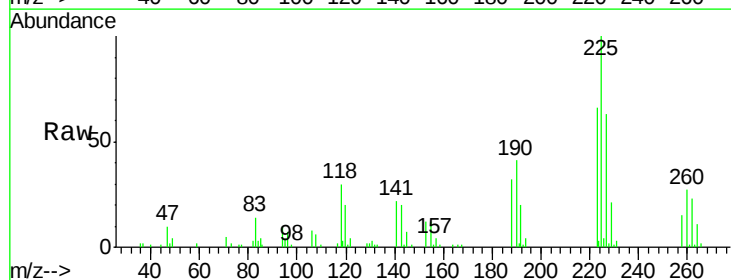


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

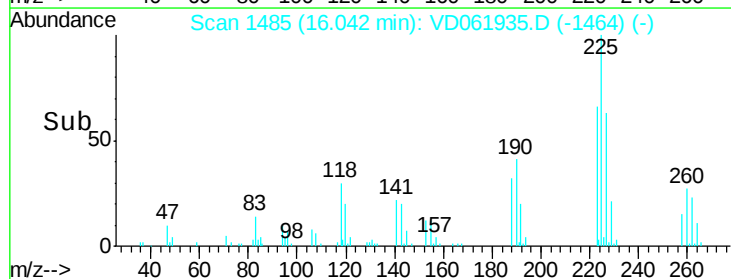
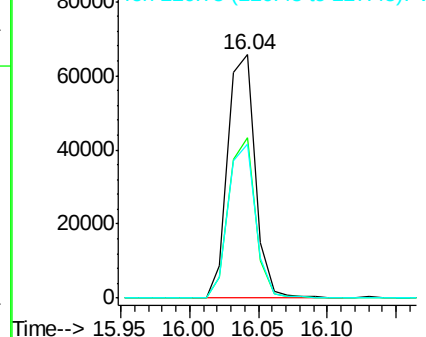


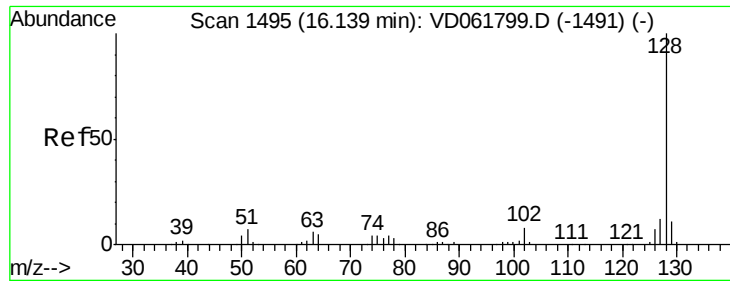
#94
 Hexachlorobutadiene
 Concen: 22.359 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061935.D
 Acq: 22 Apr 2019 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	30.6	92.0
227	63.3	32.0	96.2



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

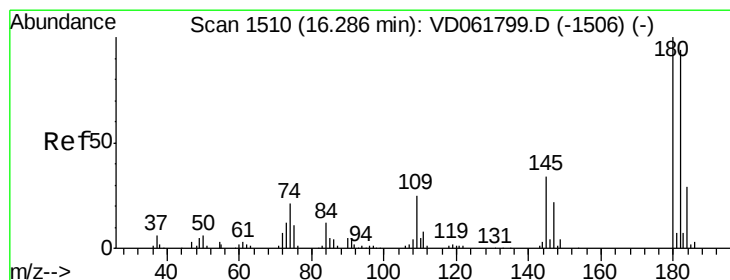
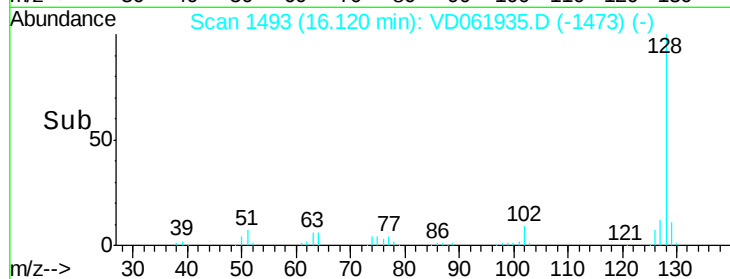
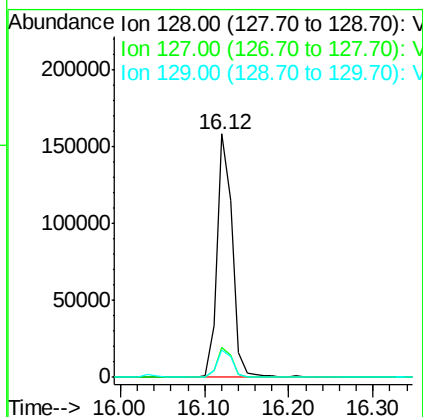
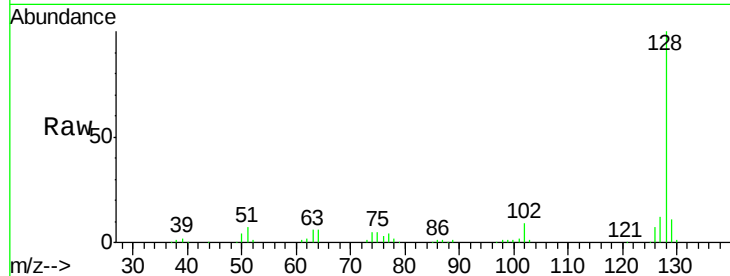




#95
Naphthalene
Concen: 22.864 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:128 Resp: 196680
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.266 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061935.D
Acq: 22 Apr 2019 13:34

Tgt Ion:180 Resp: 74410
Ion Ratio Lower Upper
180 100
182 94.5 47.0 141.0
145 32.4 17.0 51.0

