

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061936.D
 Acq On : 22 Apr 2019 14:02
 Operator : VA/AP
 Sample : VD0422SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

Quant Time: Apr 22 23:30:50 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	7.05	168	633624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1042047	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	871878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	388516	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	291965	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	6.93	113	425969	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
50) Toluene-d8	10.41	98	940807	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	13.55	95	373441	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	104274	16.861	ug/l	97
3) Chloromethane	1.75	50	99850	20.259	ug/l	100
4) Vinyl Chloride	1.86	62	92071	18.823	ug/l	100
5) Bromomethane	2.15	94	20696	16.433	ug/l	95
6) Chloroethane	2.26	64	25004	14.984	ug/l	93
7) Trichlorofluoromethane	2.53	101	124078	15.640	ug/l	95
8) Diethyl Ether	2.87	74	36097	17.362	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	121809	17.220	ug/l	92
10) Methyl Iodide	3.30	142	143011	15.289	ug/l	98
11) Tert butyl alcohol	4.06	59	30554	97.565	ug/l	99
12) 1,1-Dichloroethene	3.13	96	103846	17.463	ug/l	93
13) Acrolein	3.04	56	18982	62.612	ug/l	100
14) Allyl chloride	3.62	41	132913	16.398	ug/l	97
15) Acrylonitrile	4.19	53	91357	92.923	ug/l	98
16) Acetone	3.22	43	107641	82.244	ug/l	97
17) Carbon Disulfide	3.37	76	282765	14.717	ug/l	99
18) Methyl Acetate	3.64	43	44737	17.054	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	214900	19.364	ug/l	99
20) Methylene Chloride	3.82	84	121307	15.480	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	123522	18.901	ug/l	97
22) Diisopropyl ether	5.13	45	376528	21.731	ug/l	99
23) Vinyl Acetate	5.06	43	984381	106.279	ug/l	99
24) 1,1-Dichloroethane	4.98	63	213999	20.371	ug/l	100
25) 2-Butanone	6.07	43	151480	101.662	ug/l	100
26) 2,2-Dichloropropane	6.02	77	183963	20.260	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	142477	20.111	ug/l	97
28) Bromochloromethane	6.44	49	81721	20.480	ug/l	98
29) Tetrahydrofuran	6.45	42	76066	104.800	ug/l	98
30) Chloroform	6.66	83	239515	20.441	ug/l	97
31) Cyclohexane	6.96	56	162009	20.146	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	215825	20.779	ug/l	97
36) 1,1-Dichloropropene	7.14	75	165518	19.438	ug/l	99
37) Ethyl Acetate	6.18	43	73057	20.046	ug/l #	94
38) Carbon Tetrachloride	7.10	117	213196	19.828	ug/l	97

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 Data File : VD061936.D
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 Sample : VD0422SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

Quant Time: Apr 22 23:30:50 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)
39) Methylcyclohexane	8.87	83	179391	20.287	ug/l	98
40) Benzene	7.46	78	425819	20.829	ug/l	97
41) Methacrylonitrile	6.44	41	86187	20.008	ug/l	98
42) 1,2-Dichloroethane	7.58	62	145294	20.407	ug/l	100
43) Isopropyl Acetate	9.24	43	94114	18.351	ug/l	90
44) Trichloroethene	8.54	130	154578	19.642	ug/l	98
45) 1,2-Dichloropropane	8.94	63	108914	20.454	ug/l	99
46) Dibromomethane	9.06	93	76444	20.147	ug/l	93
47) Bromodichloromethane	9.38	83	175618	20.063	ug/l	97
48) Methyl methacrylate	9.12	41	60855	20.186	ug/l	98
49) 1,4-Dioxane	9.08	88	13201	400.631	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	332646	106.063	ug/l	98
52) Toluene	10.51	92	255641	19.514	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	155921	19.768	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	191722	20.708	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	91110	20.639	ug/l	96
56) Ethyl methacrylate	11.04	69	91430	18.871	ug/l	96
57) 1,3-Dichloropropane	11.41	76	138836	20.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	253093	109.826	ug/l	98
59) 2-Hexanone	11.53	43	251309	107.885	ug/l	94
60) Dibromochloromethane	11.68	129	161048	22.296	ug/l	97
61) 1,2-Dibromoethane	11.80	107	110544	20.366	ug/l	92
64) Tetrachloroethene	11.26	164	119123	18.218	ug/l	99
65) Chlorobenzene	12.40	112	357717	22.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	141072	20.732	ug/l	97
67) Ethyl Benzene	12.52	91	550053	21.153	ug/l	96
68) m/p-Xylenes	12.67	106	376627	38.559	ug/l	99
69) o-Xylene	13.05	106	184943	20.145	ug/l	96
70) Styrene	13.07	104	319555	20.227	ug/l	98
71) Bromoform	13.24	173	76493	18.938	ug/l	98
73) Isopropylbenzene	13.40	105	535237	21.242	ug/l	97
74) N-amyl acetate	13.27	43	137898	20.353	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	101150	20.309	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	103501	20.285	ug/l	97
77) Bromobenzene	13.67	156	150257	20.993	ug/l	98
78) n-propylbenzene	13.77	91	631527	21.694	ug/l	99
79) 2-Chlorotoluene	13.84	91	360624	21.206	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	447143	22.366	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	28794	19.577	ug/l	96
82) 4-Chlorotoluene	13.95	91	419363	21.544	ug/l	96
83) tert-Butylbenzene	14.19	119	513421	21.871	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	430218	21.408	ug/l	96
85) sec-Butylbenzene	14.37	105	489144	20.156	ug/l	99
86) p-Isopropyltoluene	14.49	119	481207	21.193	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	270674	21.662	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	257892	20.879	ug/l	97
89) n-Butylbenzene	14.79	91	451231	22.451	ug/l	96
90) Hexachloroethane	15.01	117	133416	21.558	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	233566	22.316	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13593	22.513	ug/l	94

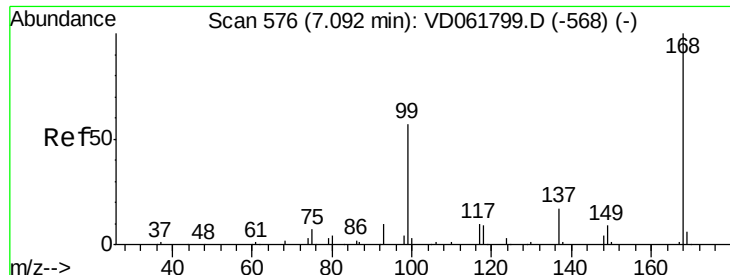
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042219\
Data File : VD061936.D
Acq On : 22 Apr 2019 14:02
Operator : VA/AP
Sample : VD0422SBSD01
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ClientSampleId :
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Quant Time: Apr 22 23:30:50 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.94	180	125416	21.817	ug/l	92
94) Hexachlorobutadiene	16.03	225	89124	21.394	ug/l	97
95) Naphthalene	16.12	128	194810	22.110	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	71134	21.714	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

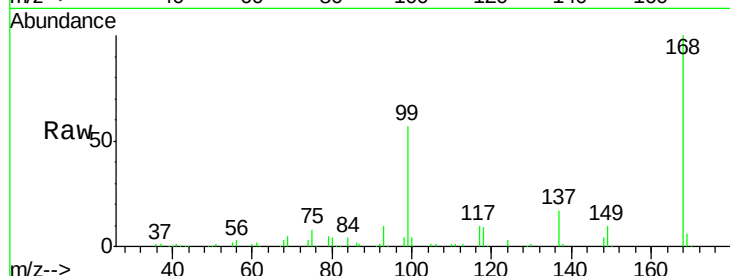
VD0422SBS01

Tot Ion:168 Resp: 633624

Ion Ratio Lower Upper

168 100

99 56.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

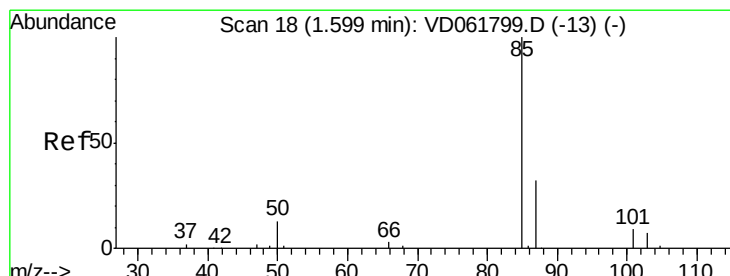
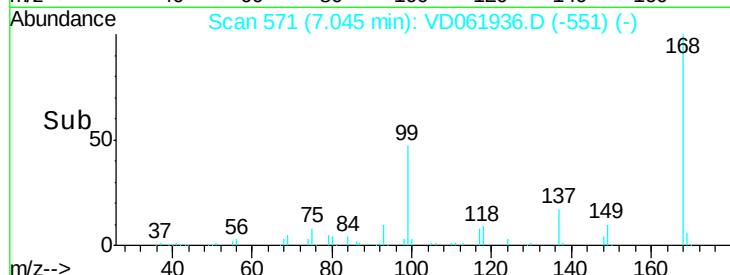
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 16.861 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061936.D

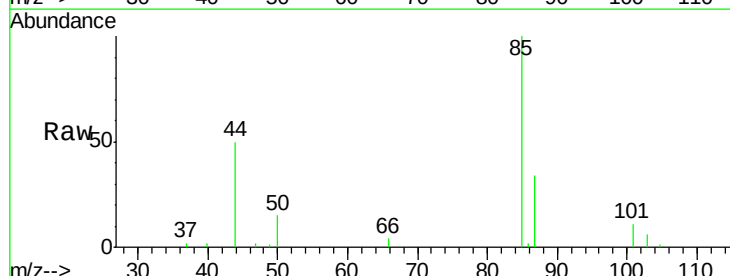
Acq: 22 Apr 2019 14:02

Tgt Ion: 85 Resp: 104274

Ion Ratio Lower Upper

85 100

87 34.0 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

30000

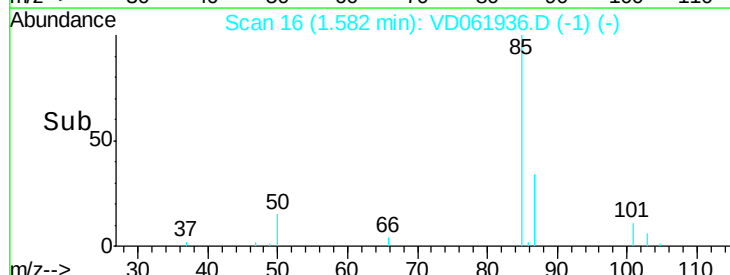
20000

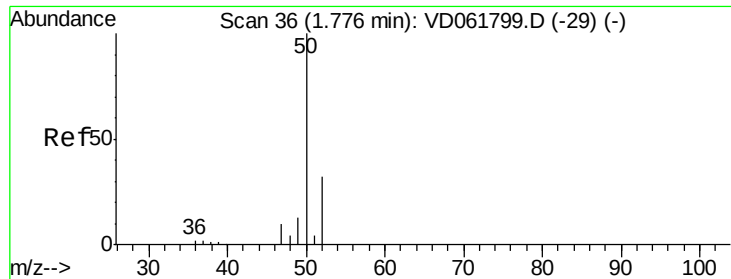
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.259 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

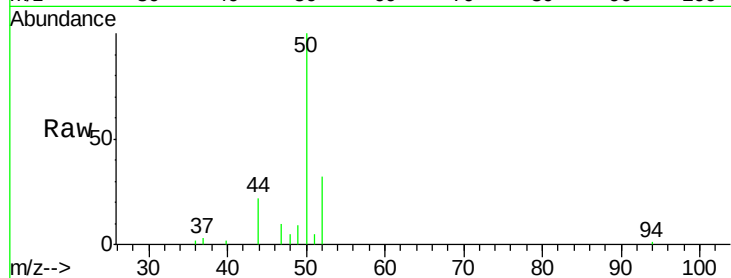
VD0422SBS01

Tot Ion: 50 Resp: 99850

Ion Ratio Lower Upper

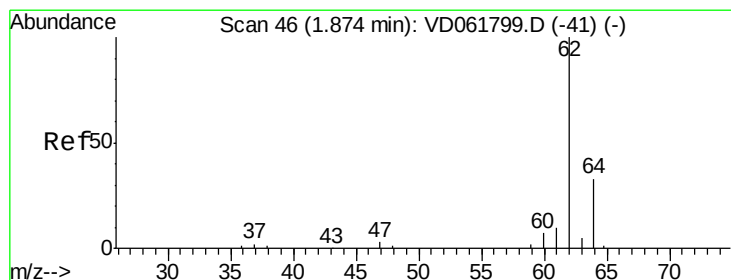
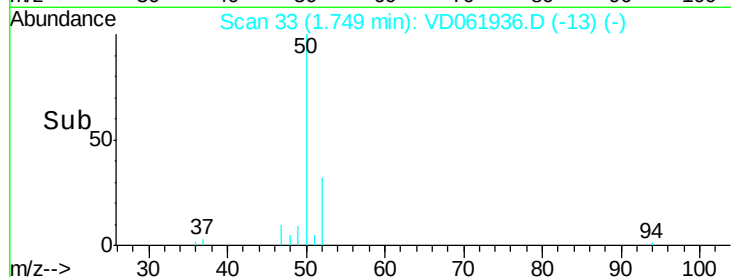
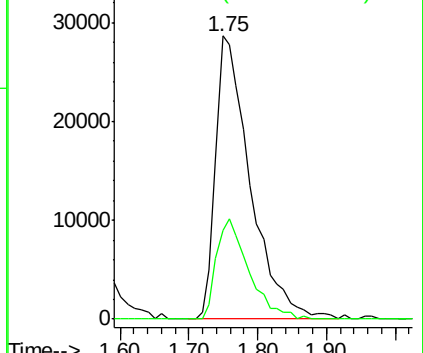
50 100

52 31.5 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: 18.823 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061936.D

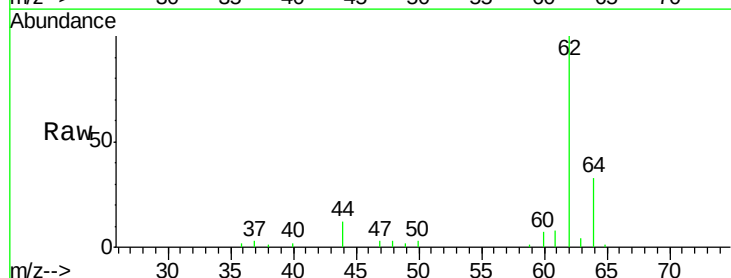
Acq: 22 Apr 2019 14:02

Tgt Ion: 62 Resp: 92071

Ion Ratio Lower Upper

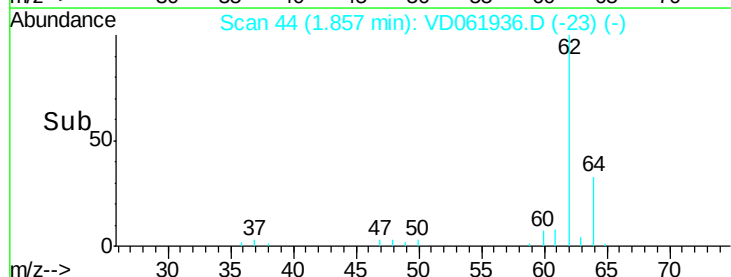
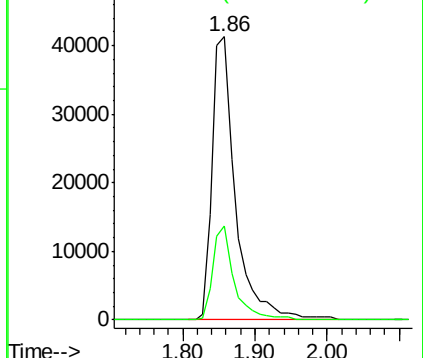
62 100

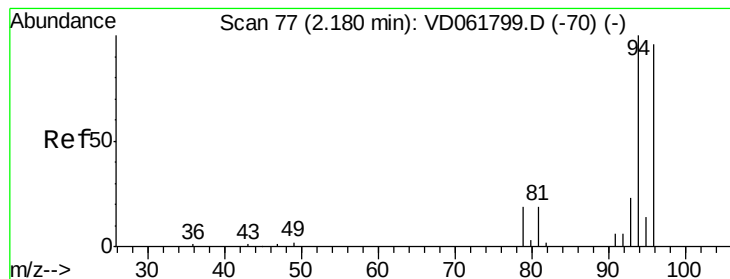
64 33.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.433 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBSD01

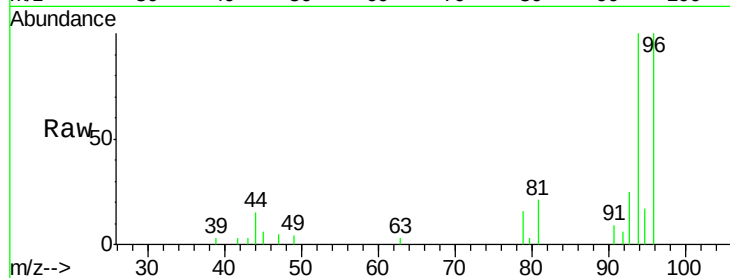
Tot Ion: 94 Resp: 20696

Ion Ratio Lower Upper

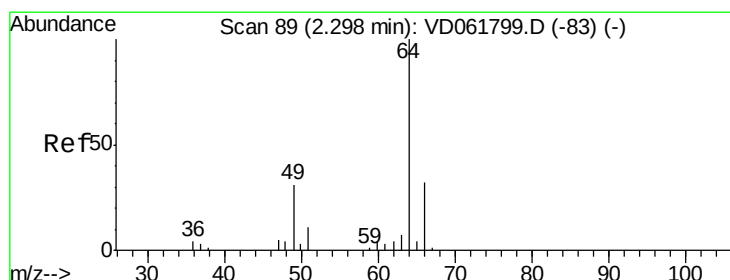
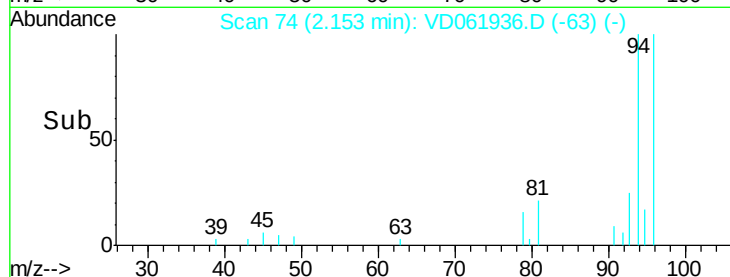
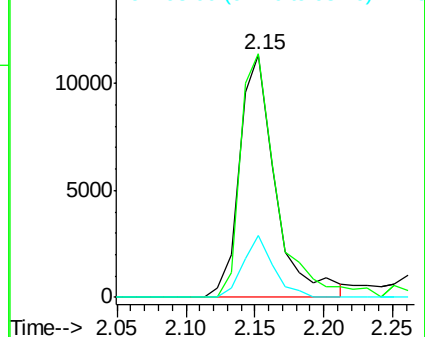
94 100

96 100.5 76.6 115.0

93 25.3 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: 14.984 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061936.D

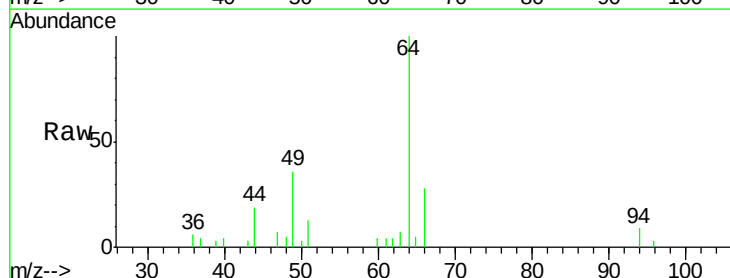
Acq: 22 Apr 2019 14:02

Tgt Ion: 64 Resp: 25004

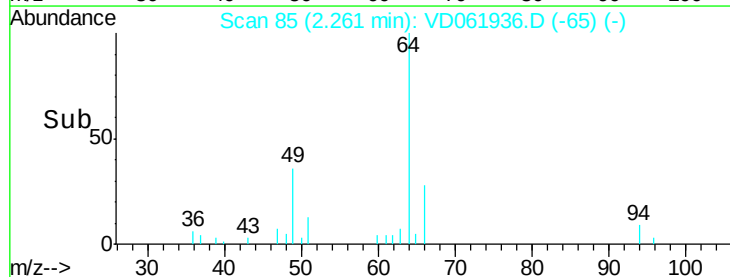
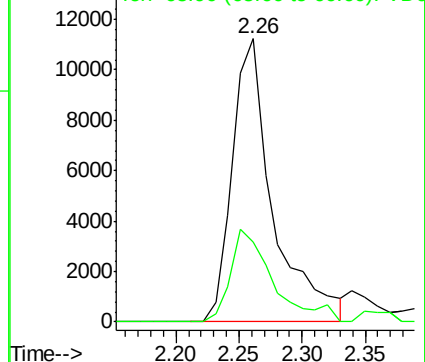
Ion Ratio Lower Upper

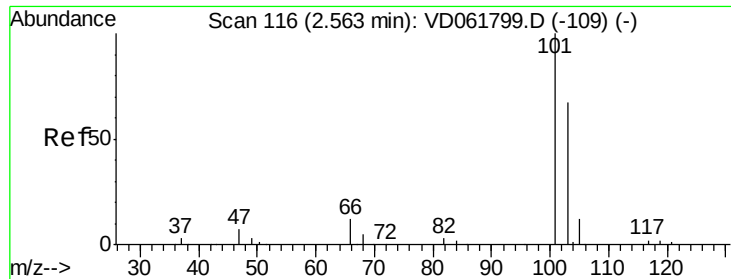
64 100

66 28.1 25.6 38.4



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



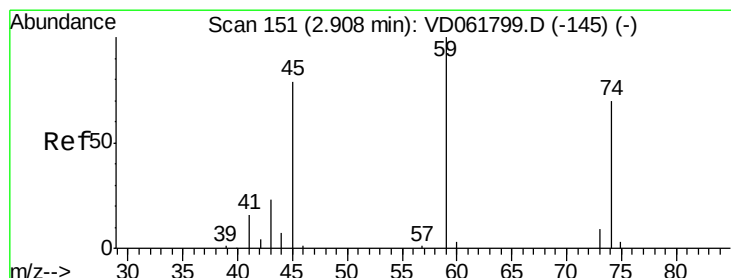
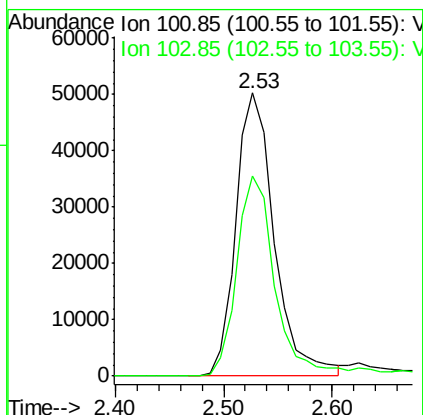
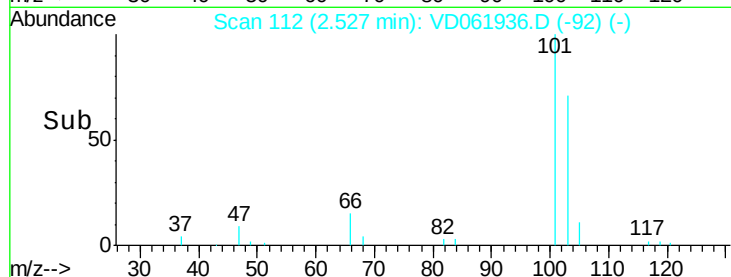
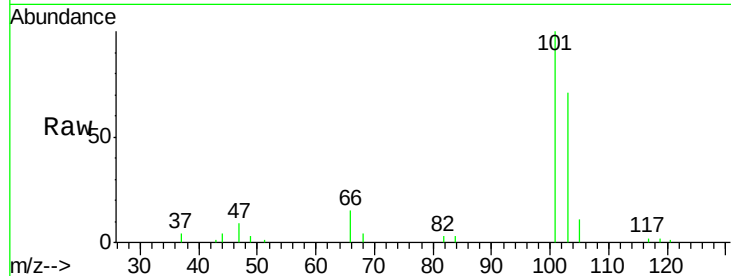


#7

Trichlorofluoromethane
Concen: 15.640 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

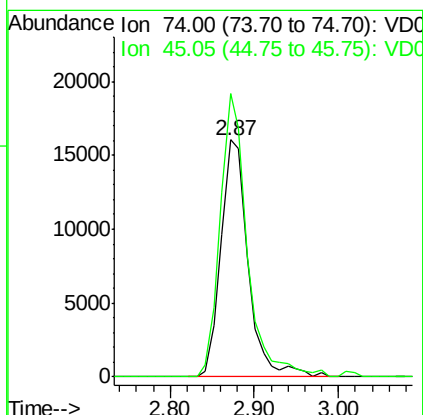
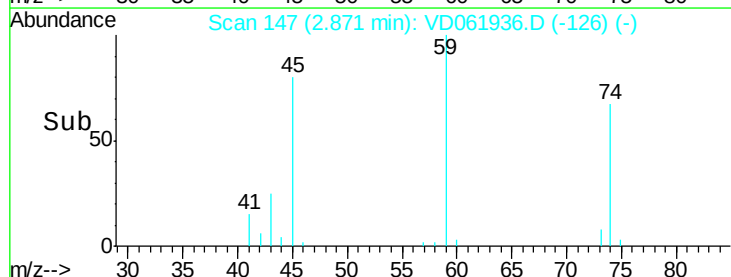
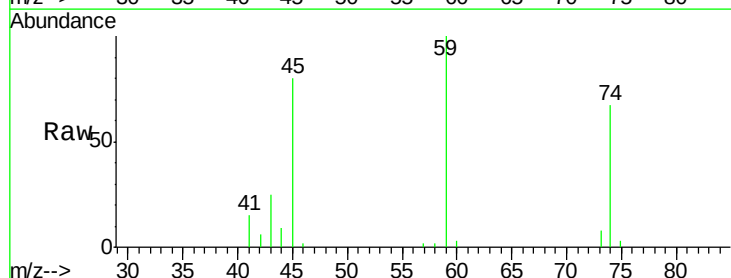
Tot Ion:101 Resp: 124078
Ion Ratio Lower Upper
101 100
103 70.6 53.6 80.4

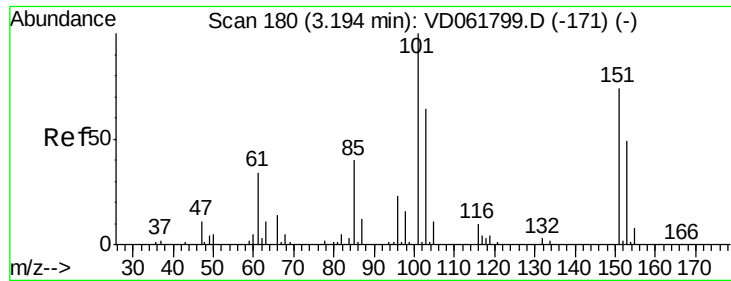


#8

Diethyl Ether
Concen: 17.362 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 74 Resp: 36097
Ion Ratio Lower Upper
74 100
45 119.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.220 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

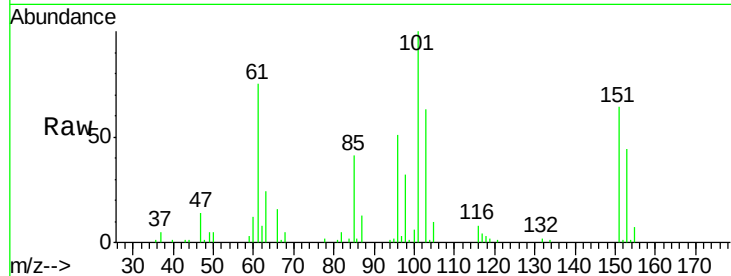
Tot Ion:101 Resp: 121809

Ion Ratio Lower Upper

101 100

85 40.8 32.4 48.6

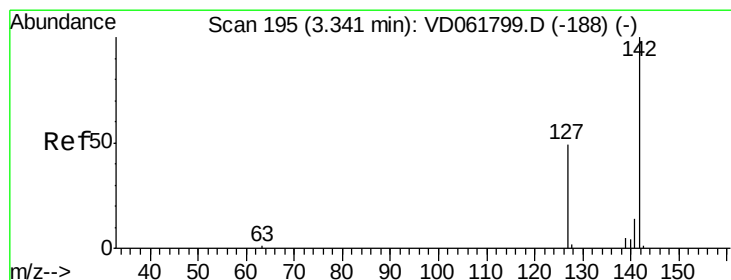
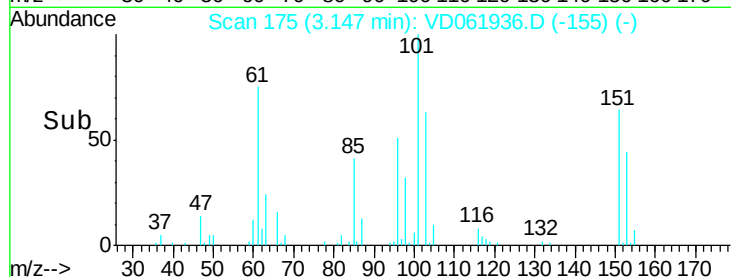
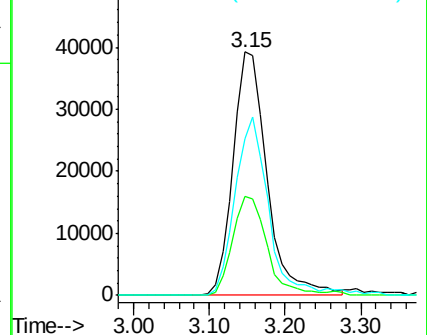
151 64.2 59.4 89.0



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: 15.289 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

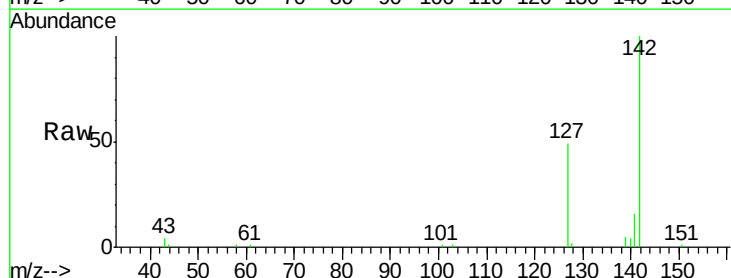
Tgt Ion:142 Resp: 143011

Ion Ratio Lower Upper

142 100

127 49.1 38.8 58.2

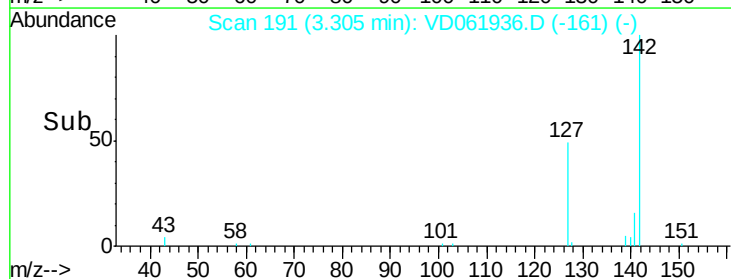
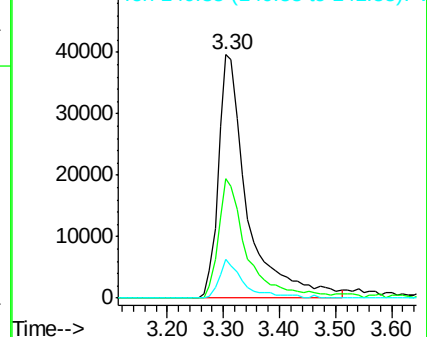
141 15.9 11.4 17.0

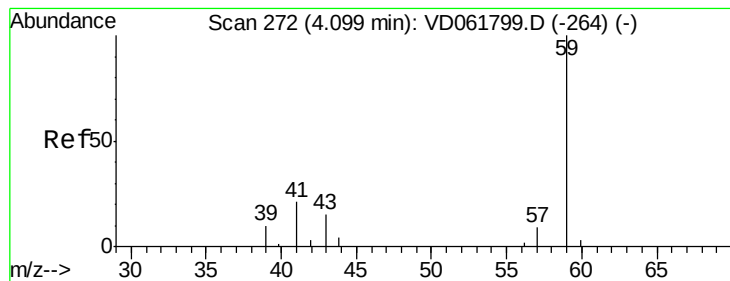


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 97.565 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

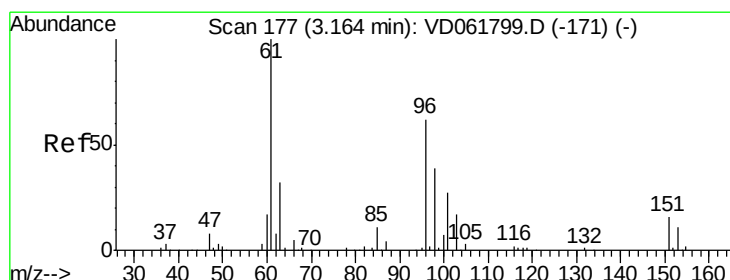
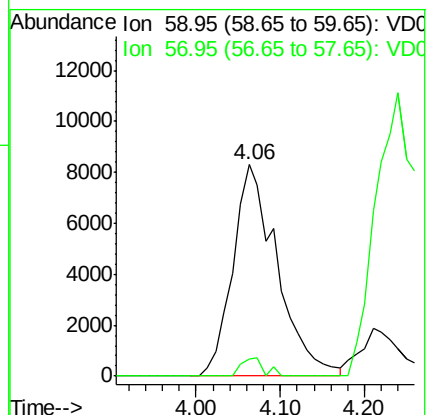
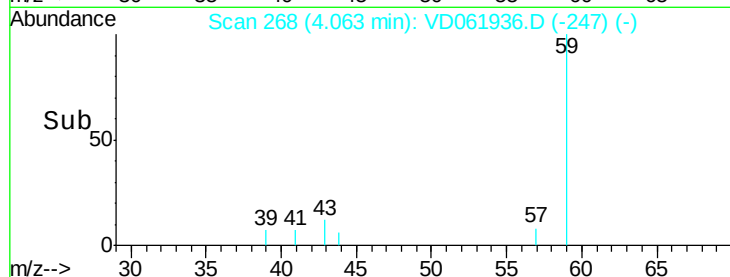
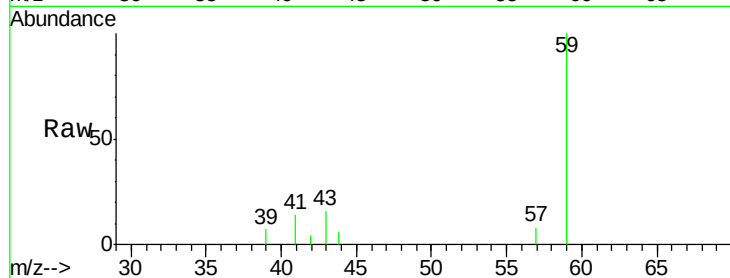
VD0422SBSD01

Tot Ion: 59 Resp: 30554

Ion Ratio Lower Upper

59 100

57 8.2 6.9 10.3



#12

1,1-Dichloroethene

Concen: 17.463 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

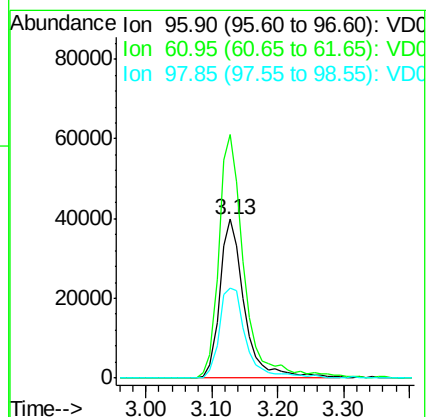
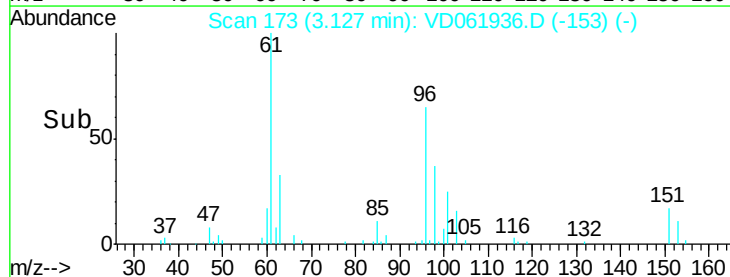
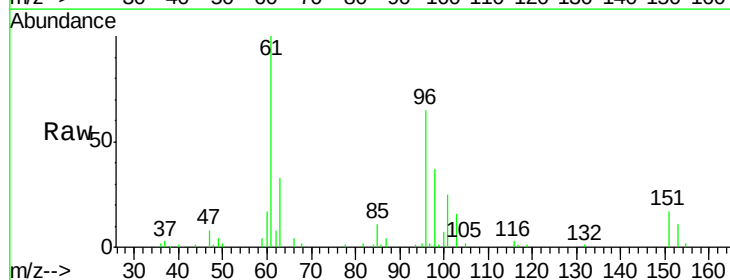
Tgt Ion: 96 Resp: 103846

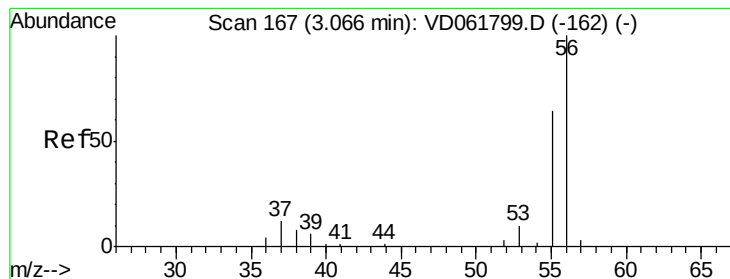
Ion Ratio Lower Upper

96 100

61 153.2 129.8 194.8

98 57.0 51.2 76.8





#13

Acrolein

Concen: 62.612 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

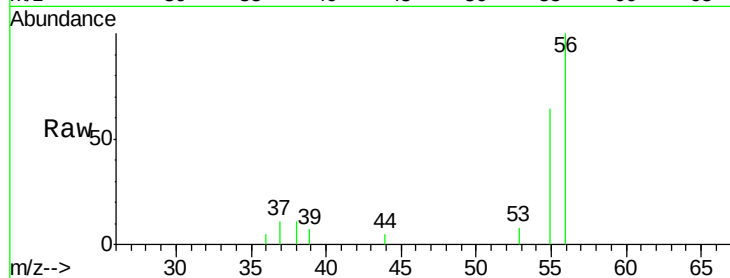
VD0422SBS01

Tot Ion: 56 Resp: 18982

Ion Ratio Lower Upper

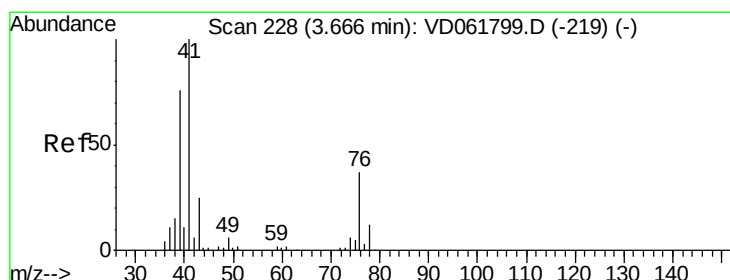
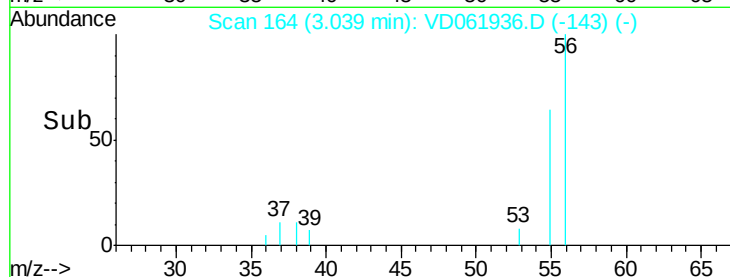
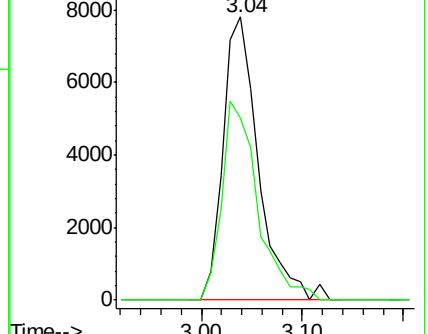
56 100

55 64.2 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: 16.398 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

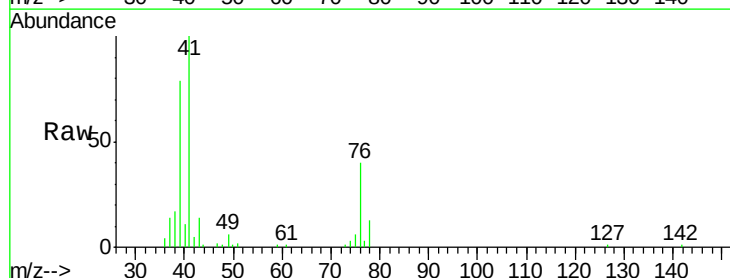
Tgt Ion: 41 Resp: 132913

Ion Ratio Lower Upper

41 100

39 79.0 60.5 90.7

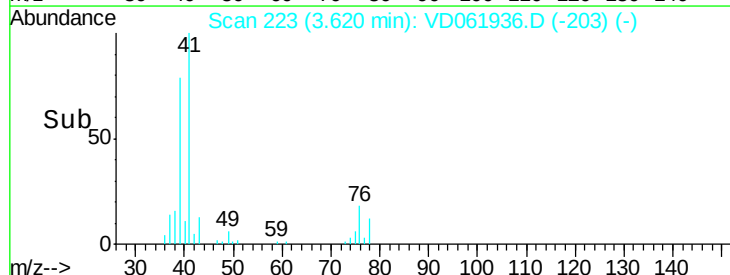
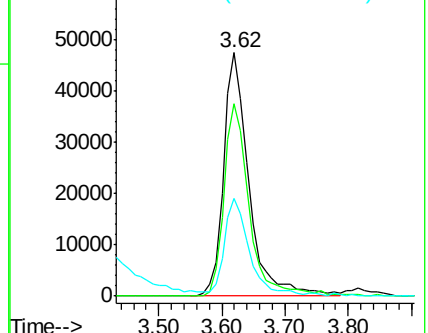
76 40.2 31.8 47.8

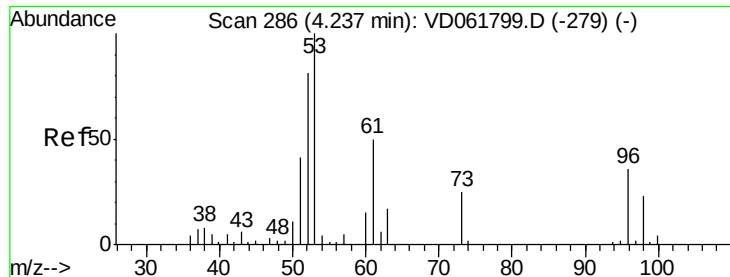


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 92.923 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

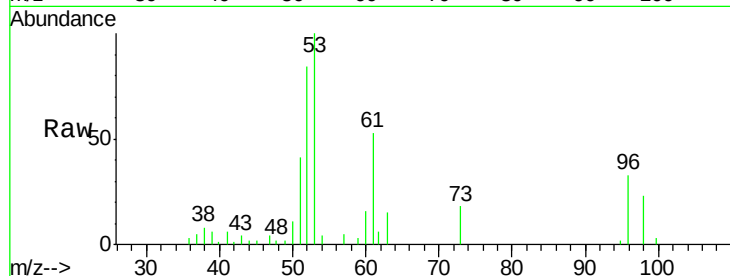
Tot Ion: 53 Resp: 91357

Ion Ratio Lower Upper

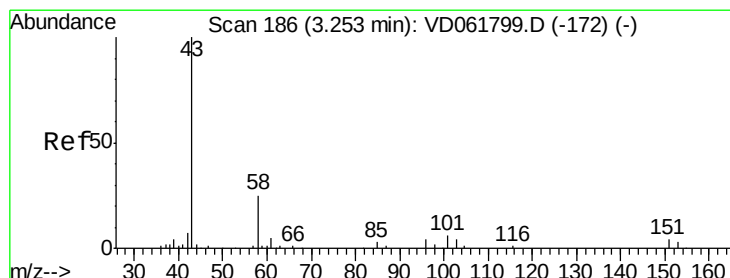
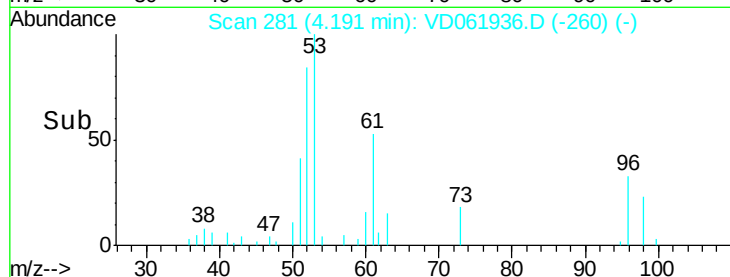
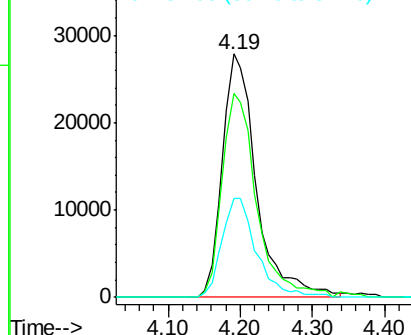
53 100

52 83.6 65.0 97.4

51 40.5 32.6 48.8



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



#16

Acetone

Concen: 82.244 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061936.D

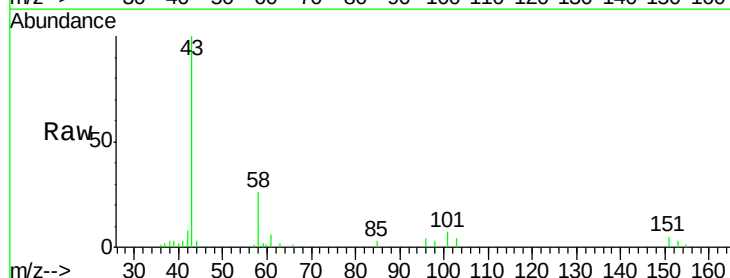
Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 107641

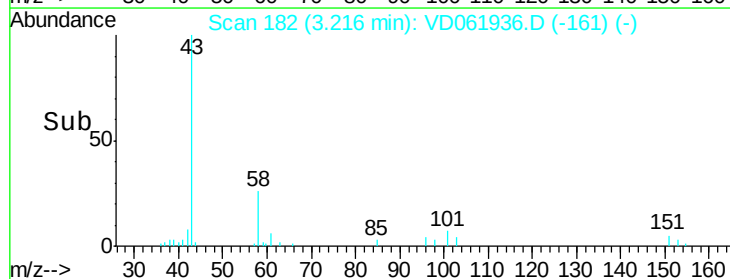
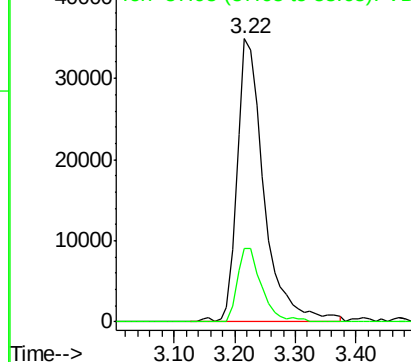
Ion Ratio Lower Upper

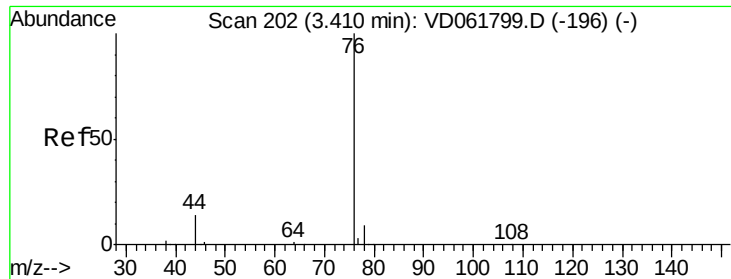
43 100

58 26.2 19.9 29.9



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

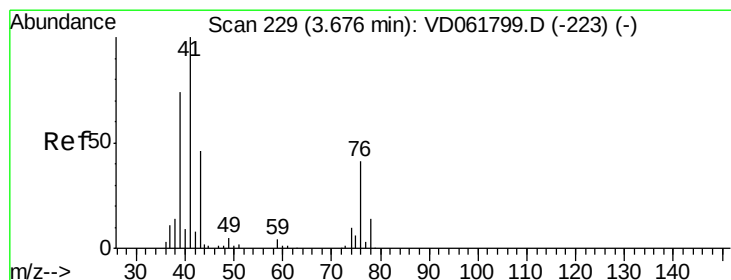
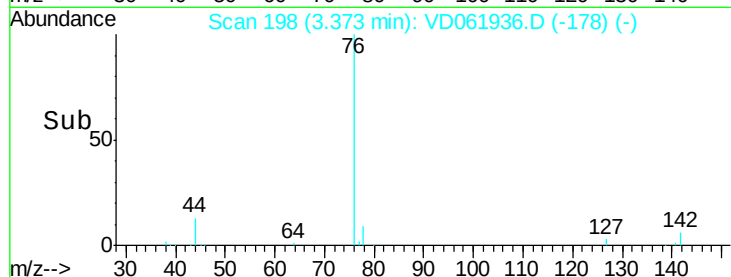
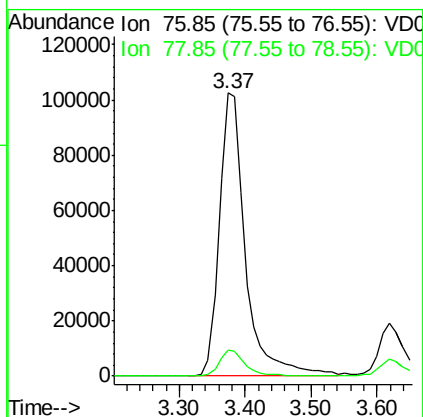
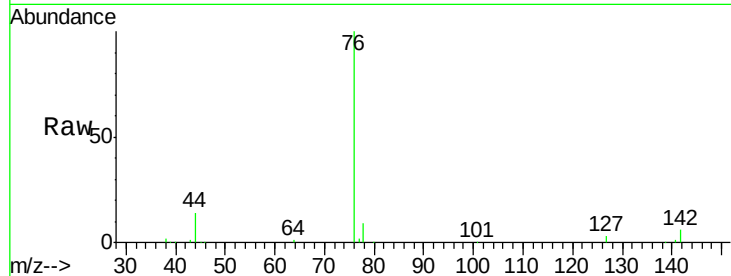




#17
Carbon Disulfide
Concen: 14.717 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

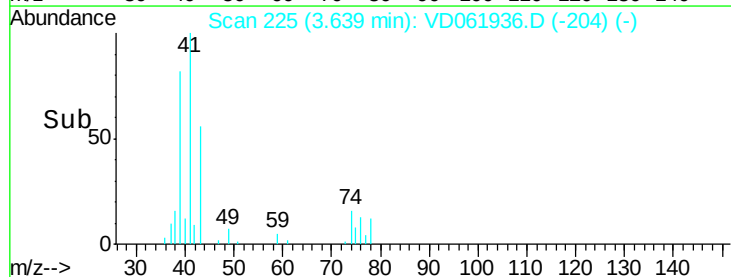
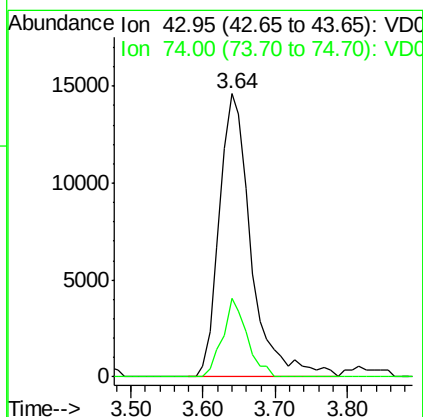
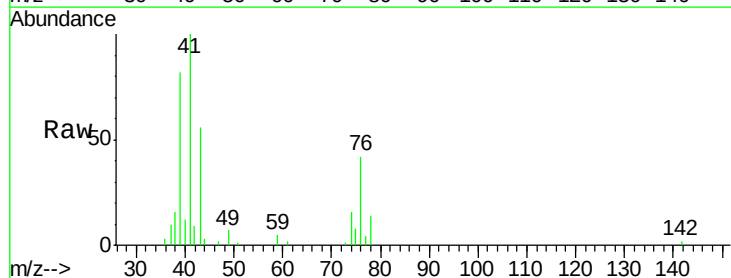
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

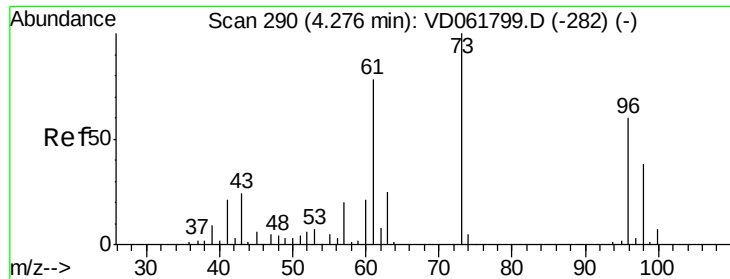
Tot Ion: 76 Resp: 282765
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 17.054 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 44737
Ion Ratio Lower Upper
43 100
74 27.8 18.0 27.0#

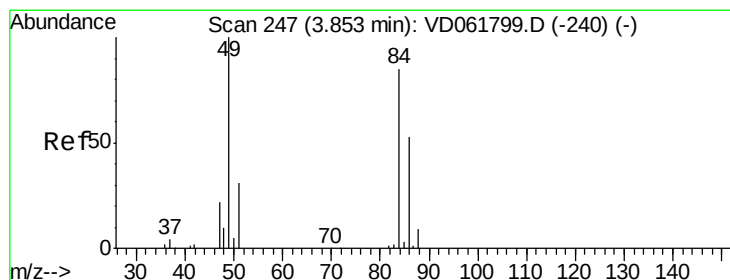
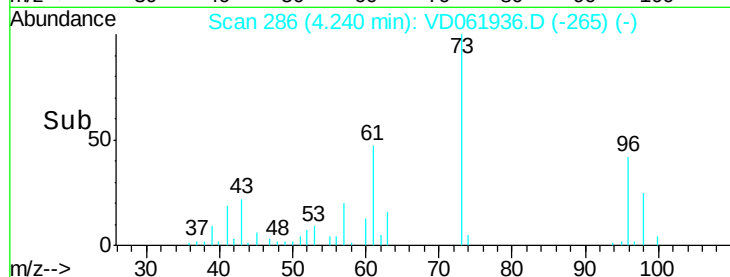
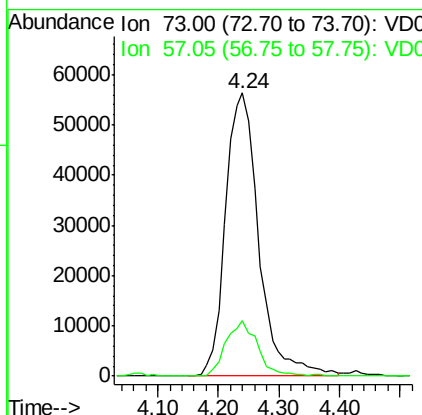
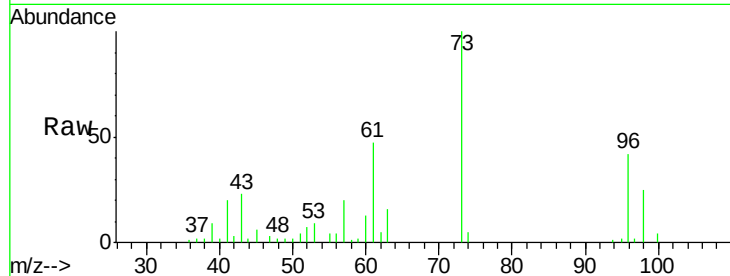




#19
Methyl tert-butyl Ether
Concen: 19.364 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

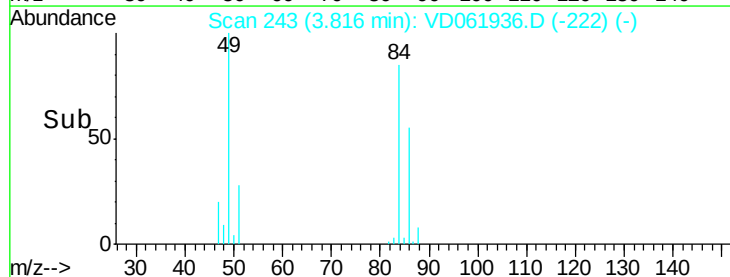
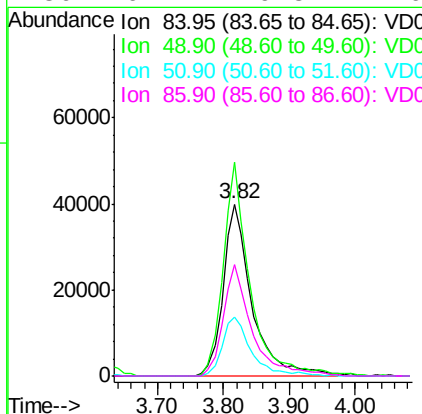
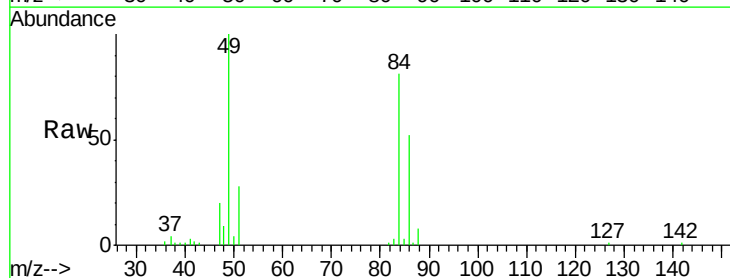
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

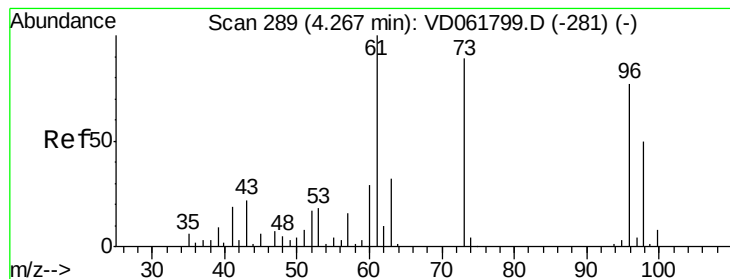
Tot Ion: 73 Resp: 214900
Ion Ratio Lower Upper
73 100
57 19.7 16.3 24.5



#20
Methylene Chloride
Concen: 15.480 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 84 Resp: 121307
Ion Ratio Lower Upper
84 100
49 124.1 94.0 141.0
51 34.4 29.0 43.4
86 64.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.901 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

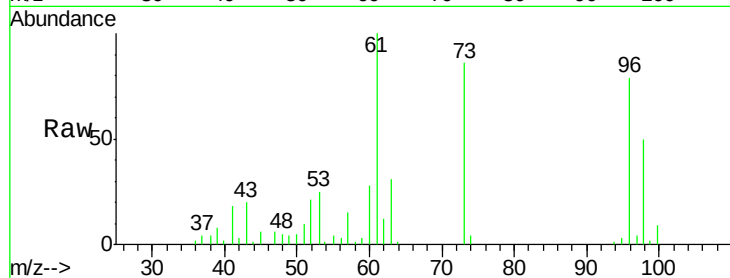
Tot Ion: 96 Resp: 123522

Ion Ratio Lower Upper

96 100

61 126.9 104.4 156.6

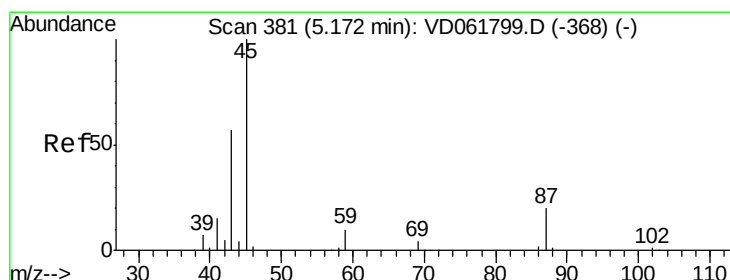
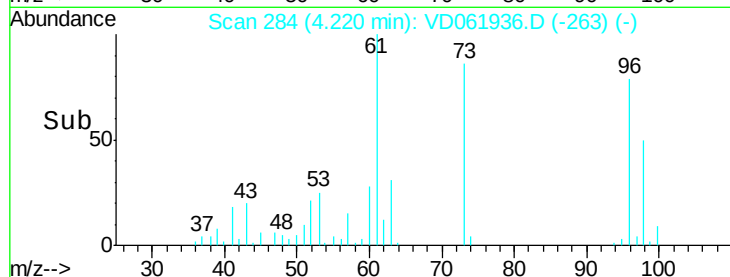
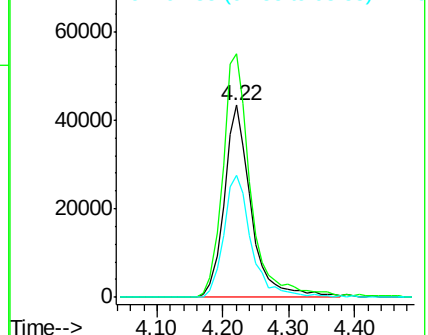
98 63.6 51.8 77.8



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: 21.731 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Tgt Ion: 45 Resp: 376528

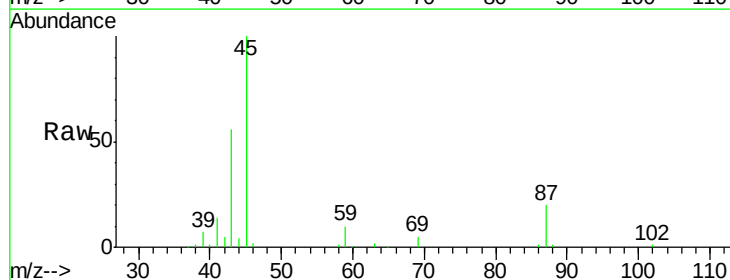
Ion Ratio Lower Upper

45 100

43 56.4 46.2 69.2

87 20.2 15.9 23.9

59 10.0 7.9 11.9

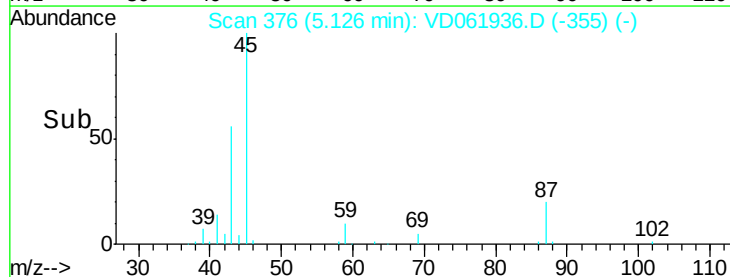
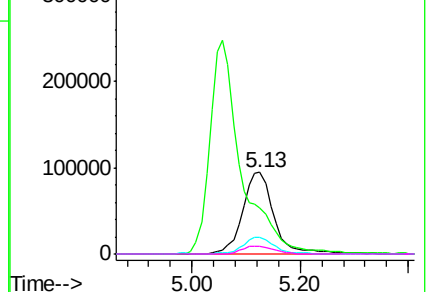


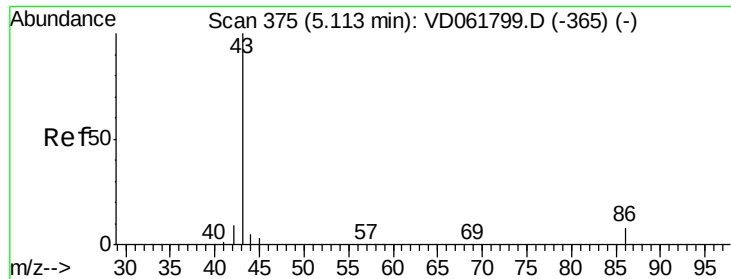
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 106.279 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

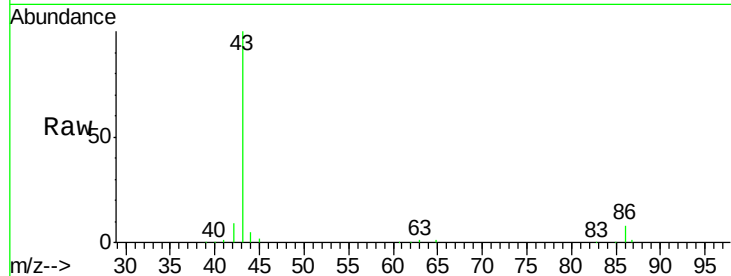
VD0422SBS01

Tot Ion: 43 Resp: 984381

Ion Ratio Lower Upper

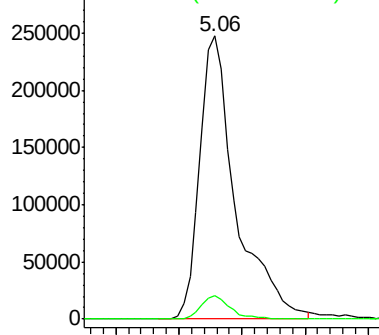
43 100

86 8.5 6.4 9.6

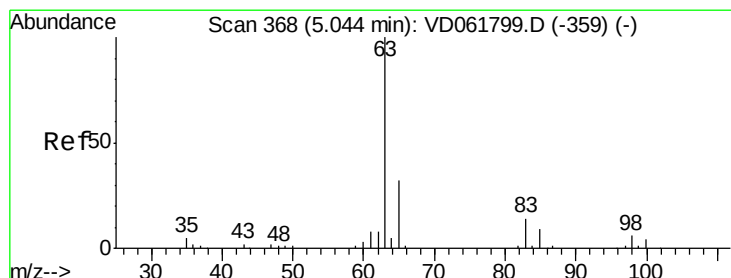
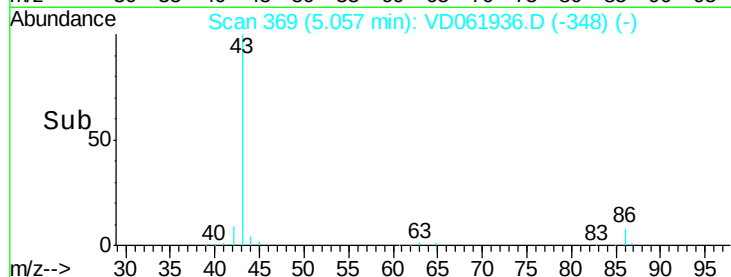


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.371 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

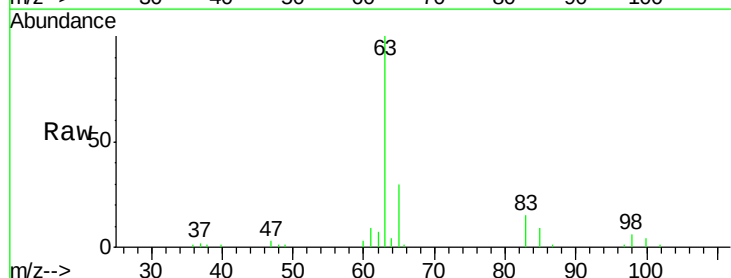
Tgt Ion: 63 Resp: 213999

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

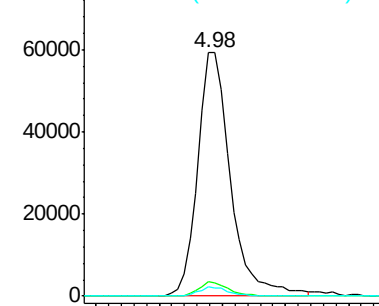
100 3.7 1.8 5.5



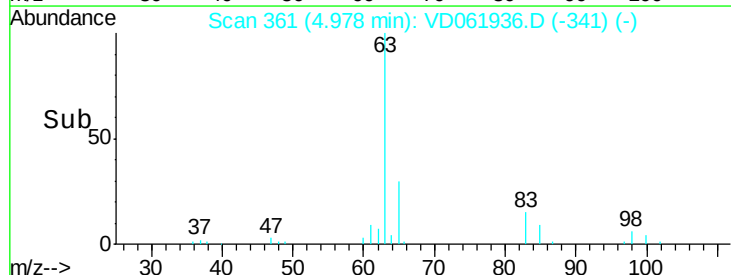
Abundance Ion 62.95 (62.65 to 63.65): VDC

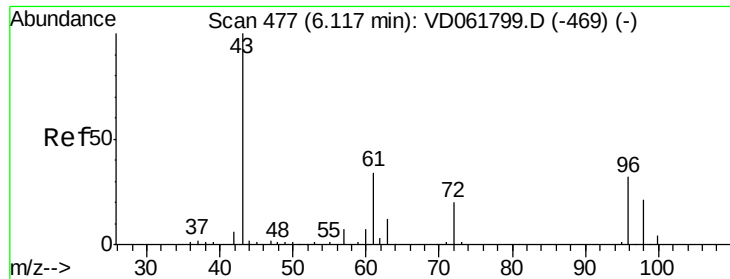
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 101.662 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

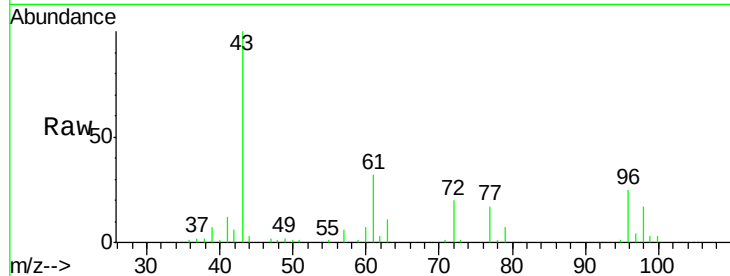
VD0422SBS01

Tot Ion: 43 Resp: 151480

Ion Ratio Lower Upper

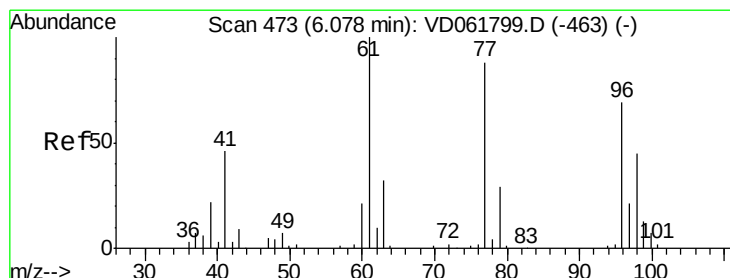
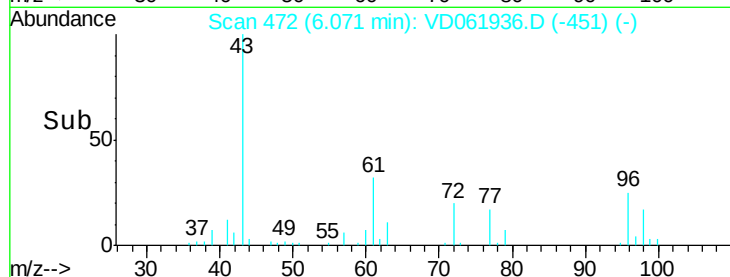
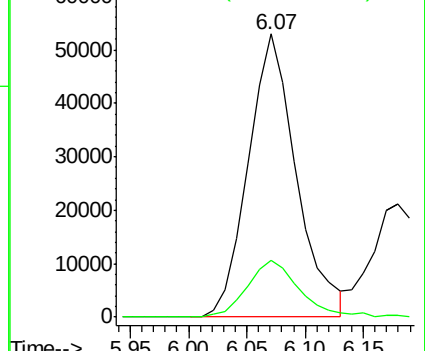
43 100

72 20.1 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: 20.260 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061936.D

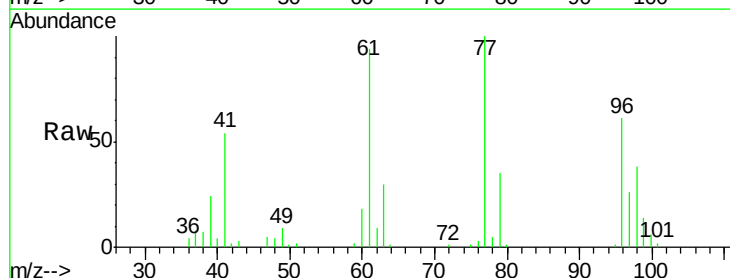
Acq: 22 Apr 2019 14:02

Tgt Ion: 77 Resp: 183963

Ion Ratio Lower Upper

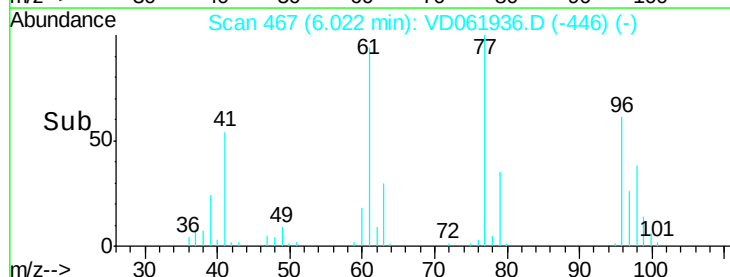
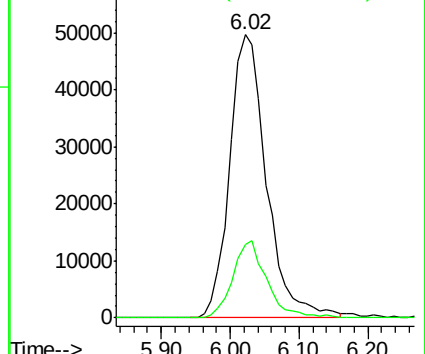
77 100

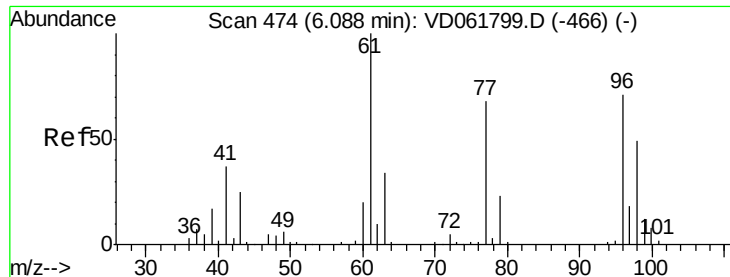
97 26.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

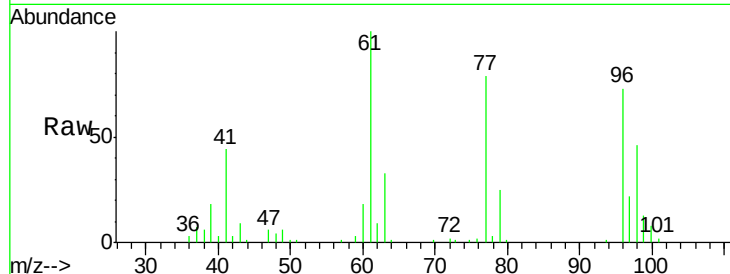




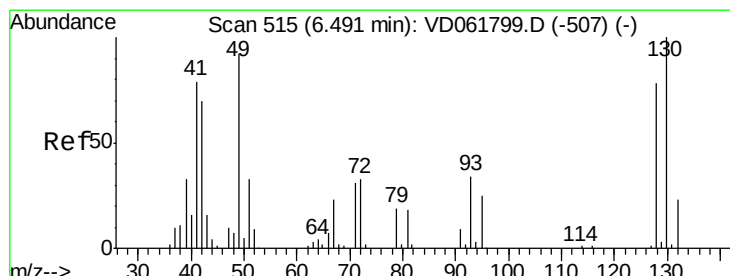
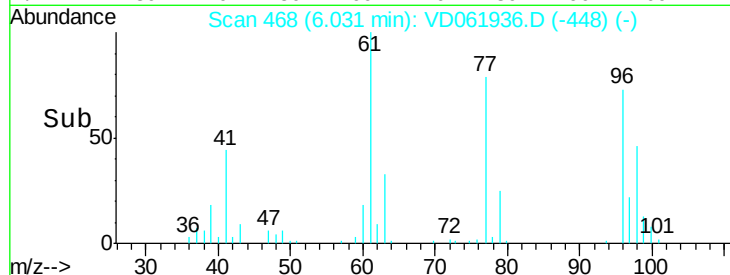
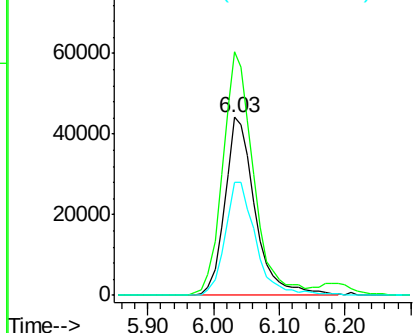
#27
 cis-1,2-Dichloroethene
 Concen: 20.111 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

Tot Ion: 96 Resp: 142477
 Ion Ratio Lower Upper
 96 100
 61 137.0 0.0 279.8
 98 63.5 0.0 136.0

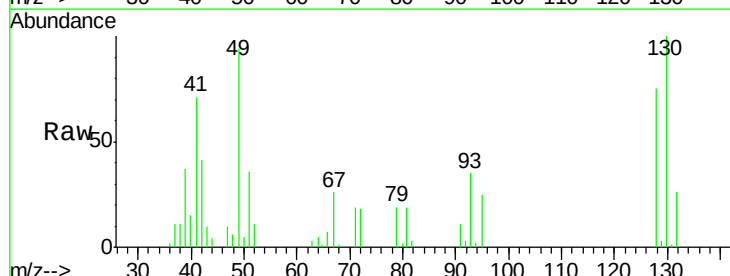


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

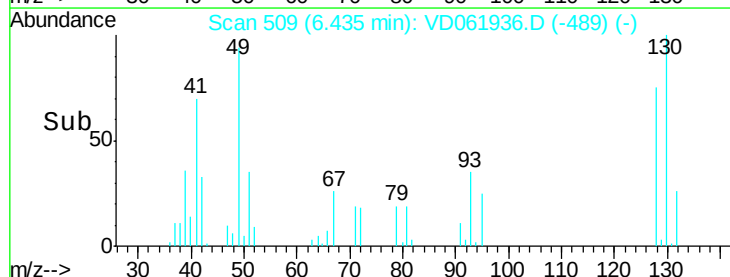
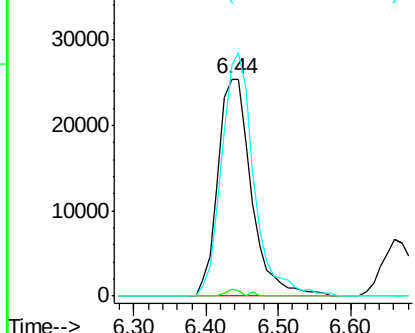


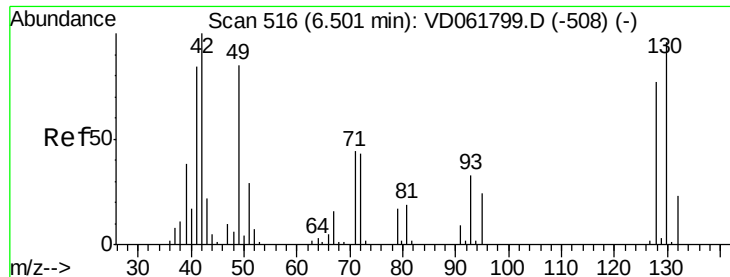
#28
 Bromochloromethane
 Concen: 20.480 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 49 Resp: 81721
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 6.6
 130 106.6 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

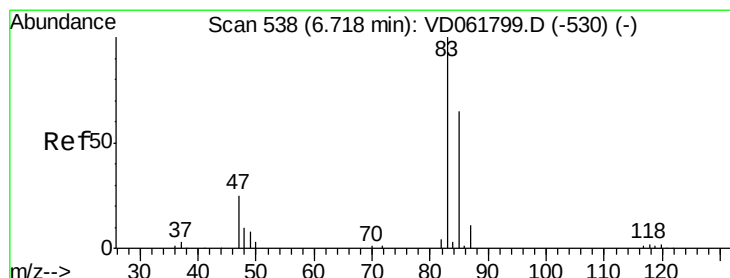
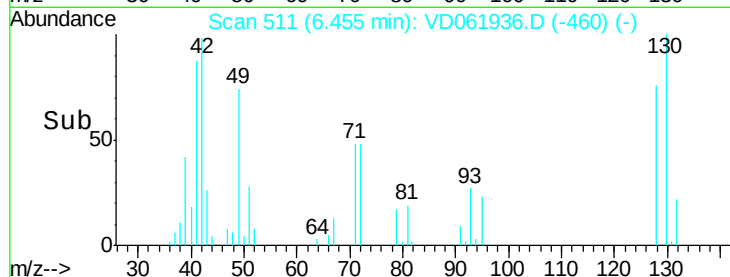
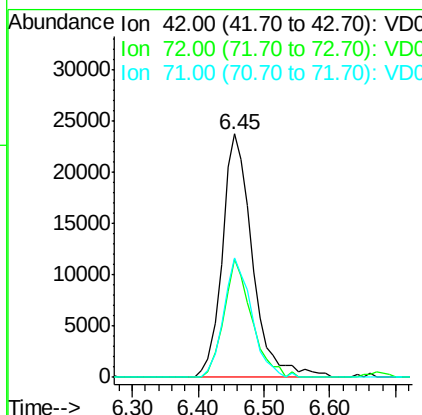
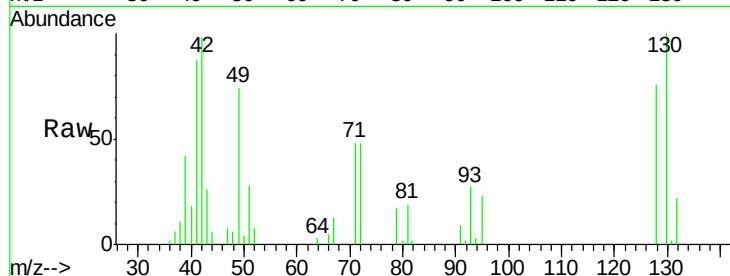




#29
Tetrahydrofuran
Concen: 104.800 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

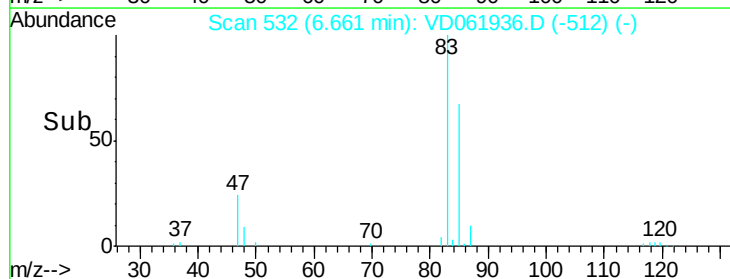
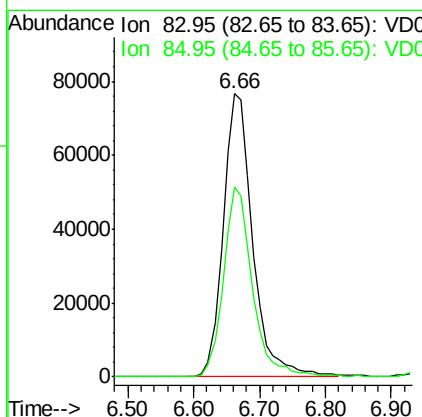
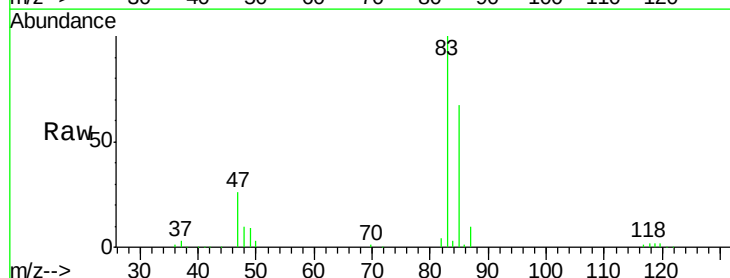
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

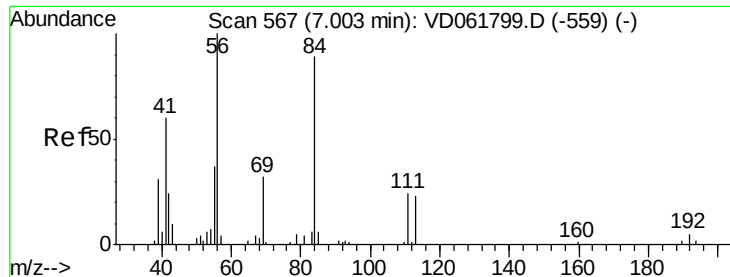
Tot Ion: 42 Resp: 76066
Ion Ratio Lower Upper
42 100
72 44.3 37.8 56.6
71 45.6 36.7 55.1



#30
Chloroform
Concen: 20.441 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 83 Resp: 239515
Ion Ratio Lower Upper
83 100
85 67.1 51.7 77.5

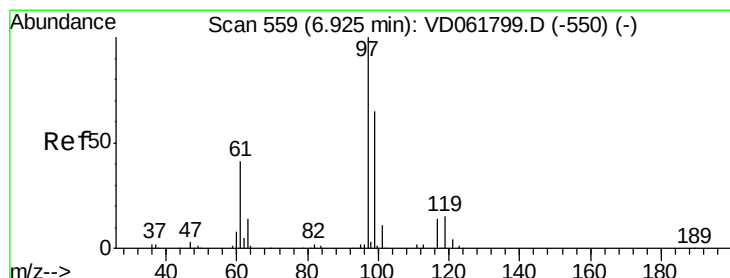
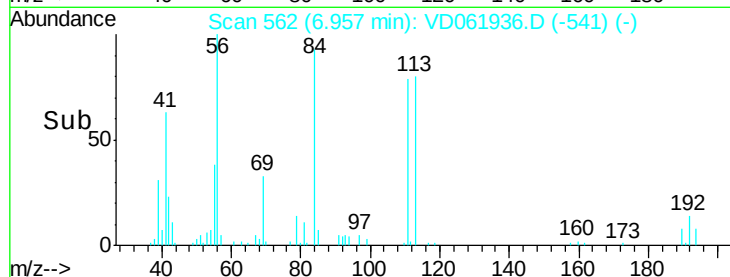
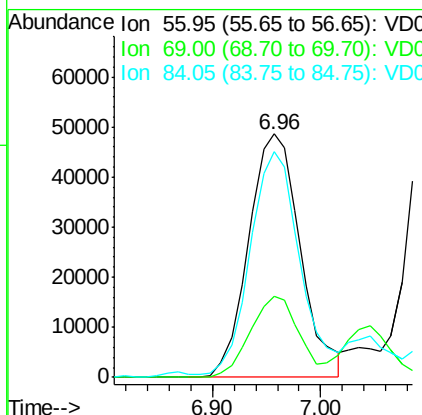
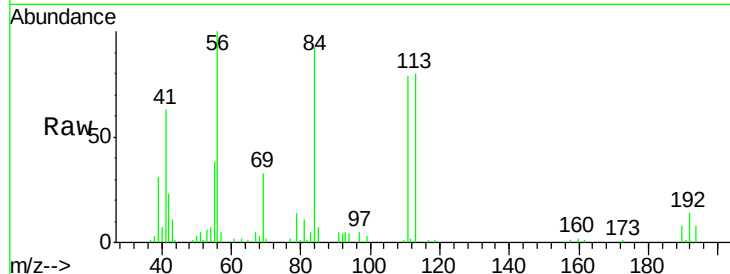




#31
Cyclohexane
Concen: 20.146 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

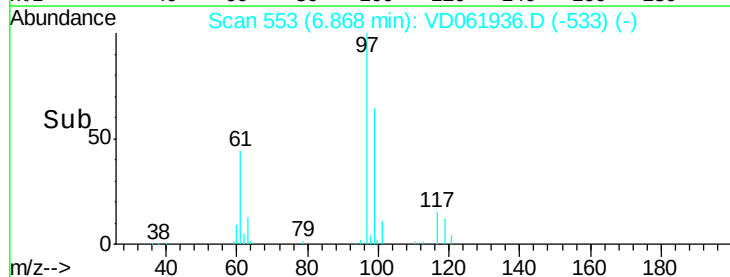
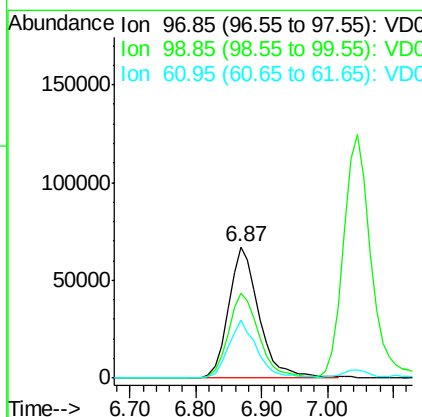
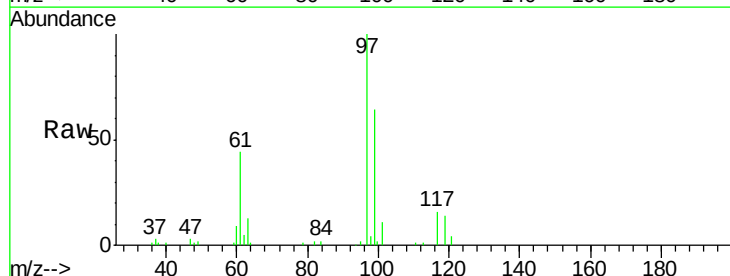
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

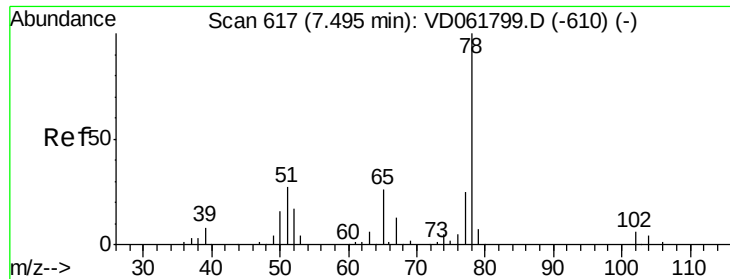
Tot Ion: 56 Resp: 162009
Ion Ratio Lower Upper
56 100
69 33.0 25.8 38.6
84 92.5 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.779 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 97 Resp: 215825
Ion Ratio Lower Upper
97 100
99 64.3 52.2 78.2
61 44.3 32.4 48.6

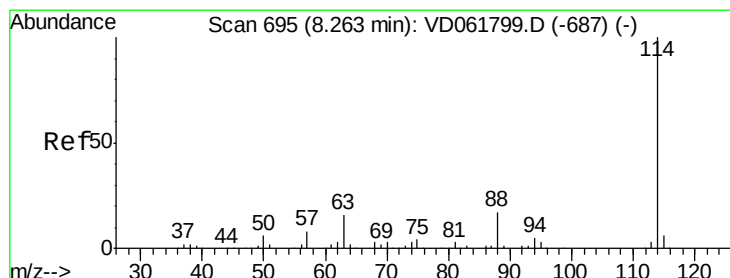
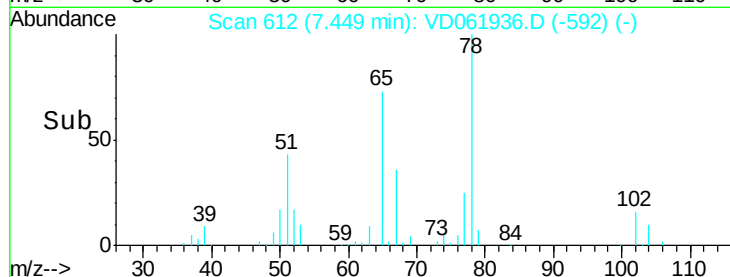
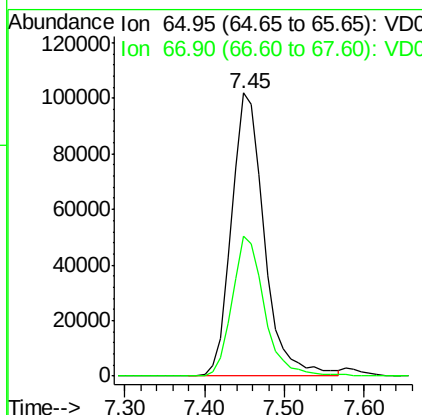
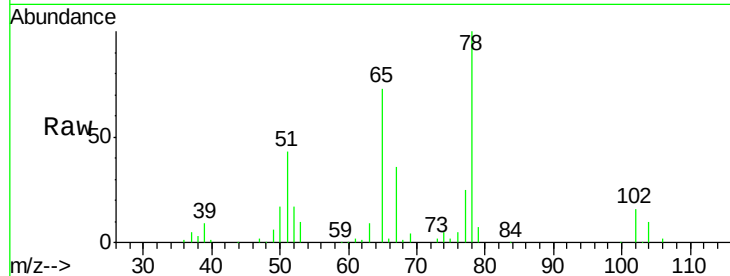




#33
 1,2-Dichloroethane-d4
 Concen: 20.779 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

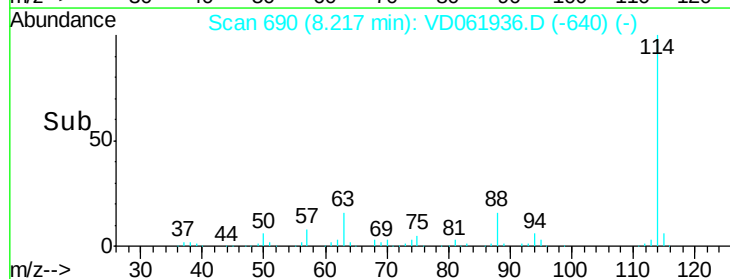
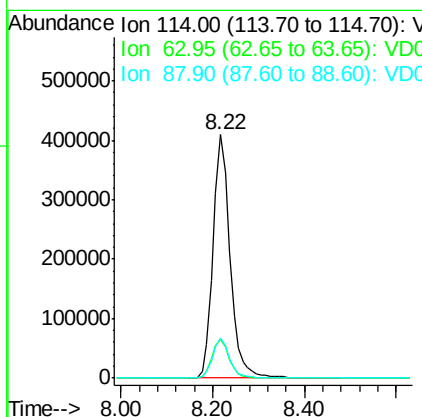
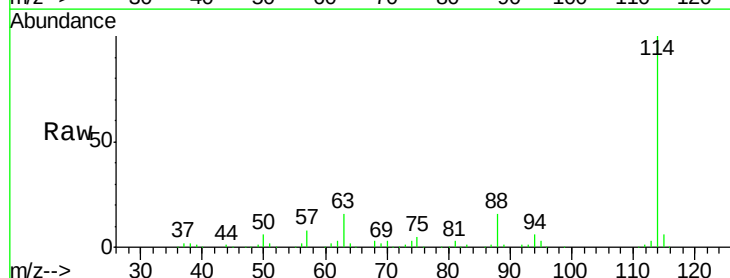
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

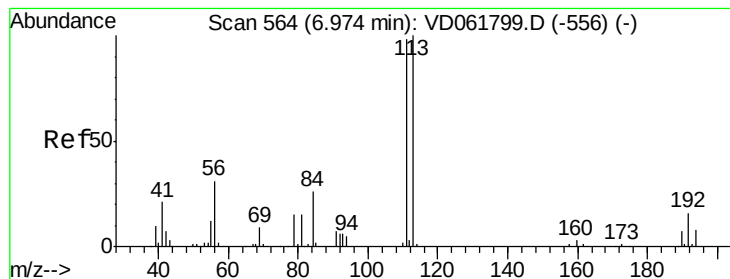
Tot Ion: 65 Resp: 291965
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 114 Resp: 1042047
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.4
 88 16.3 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: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBSD01

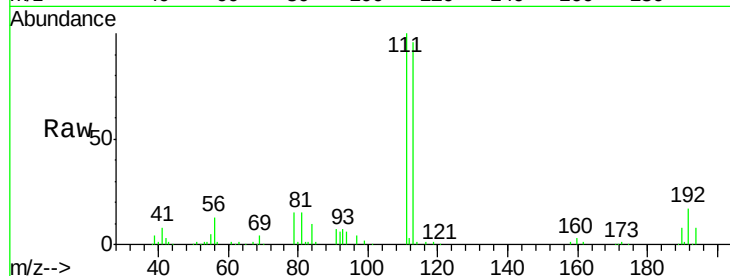
Tot Ion:113 Resp: 425969

Ion Ratio Lower Upper

113 100

111 103.8 78.5 117.7

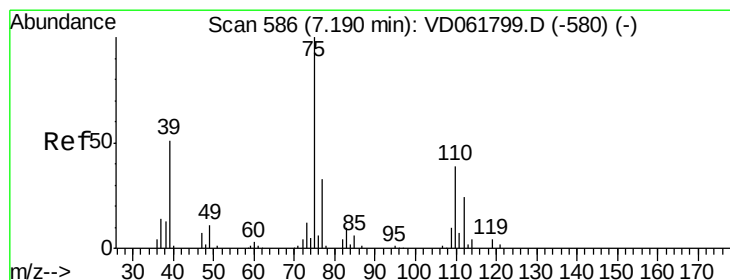
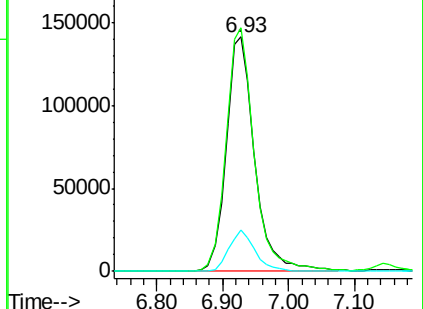
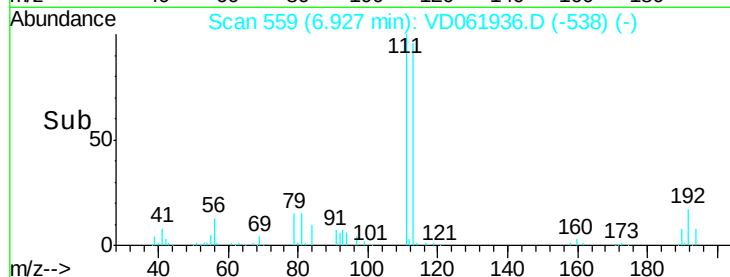
192 17.8 13.0 19.4



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: 19.438 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

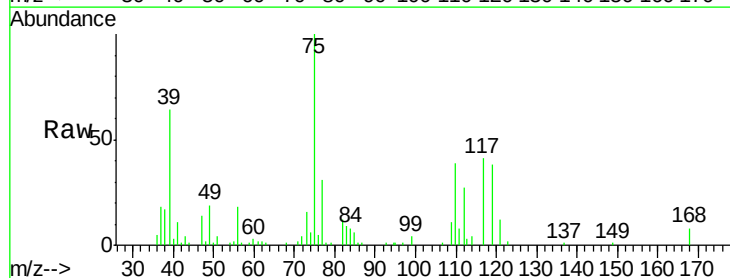
Tgt Ion: 75 Resp: 165518

Ion Ratio Lower Upper

75 100

110 38.6 19.1 57.1

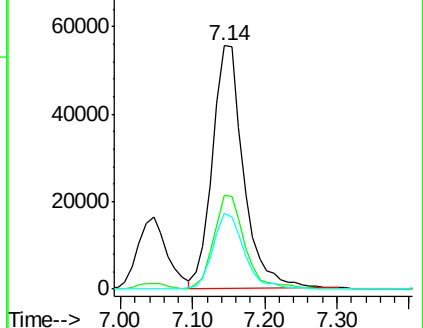
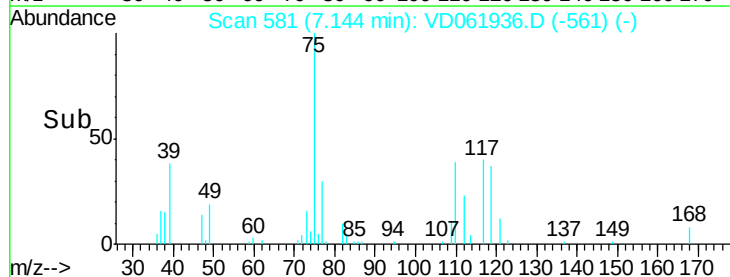
77 31.1 25.6 38.4

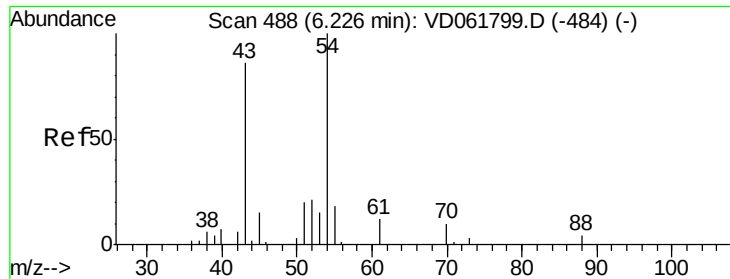


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

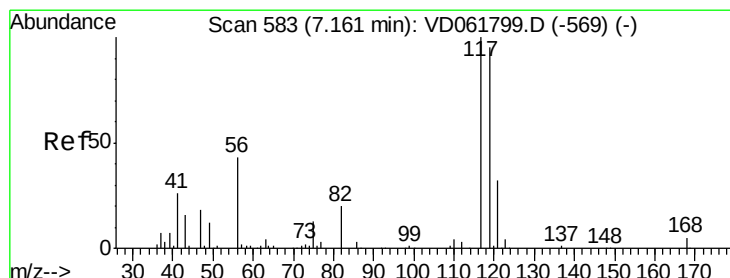
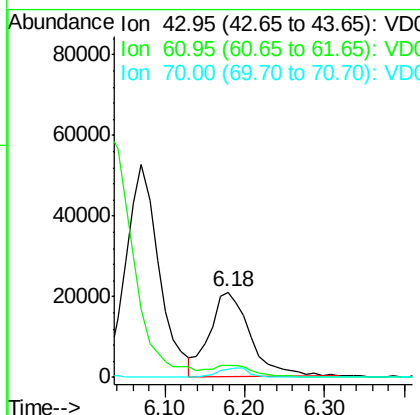
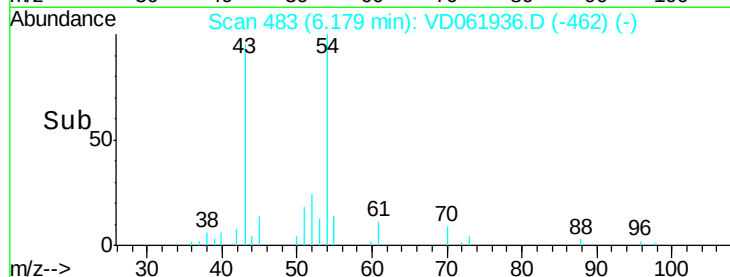
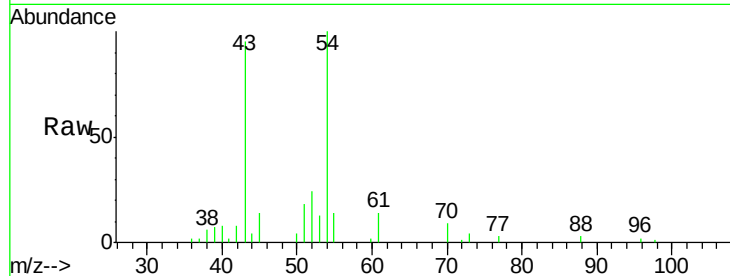




#37
Ethyl Acetate
Concen: 20.046 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

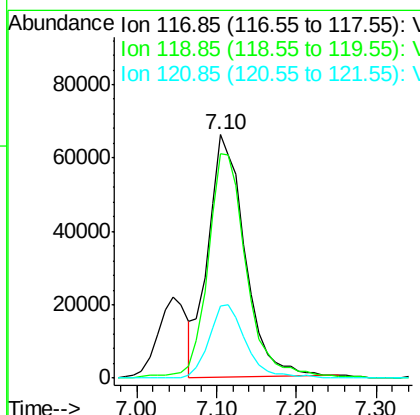
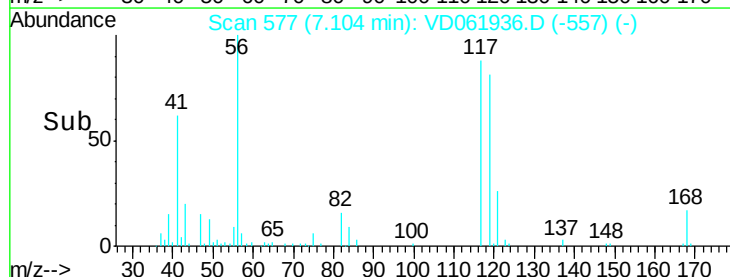
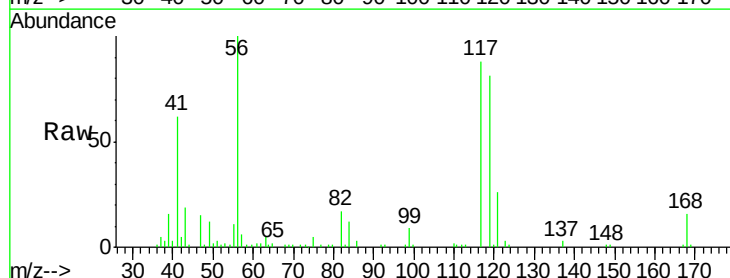
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

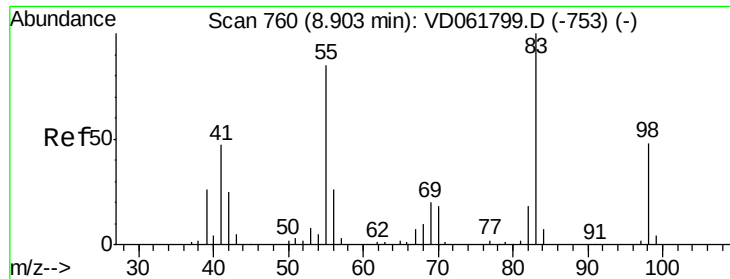
Tot Ion: 43 Resp: 73057
Ion Ratio Lower Upper
43 100
61 14.7 14.7 22.1#
70 9.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.828 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 117 Resp: 213196
Ion Ratio Lower Upper
117 100
119 92.4 75.8 113.8
121 29.4 25.9 38.9

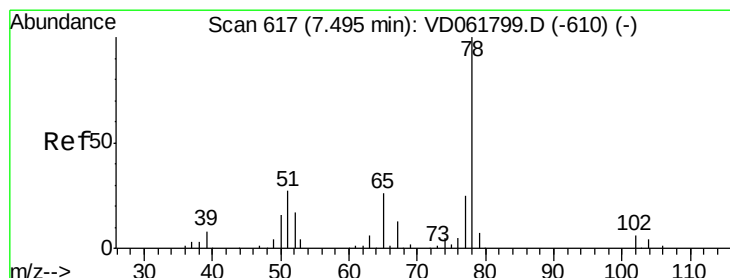
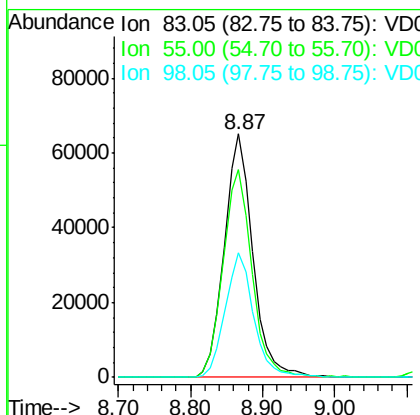
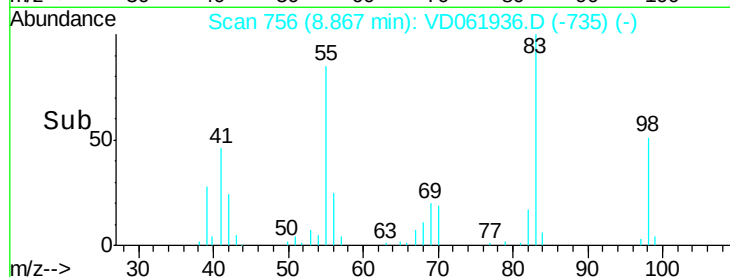
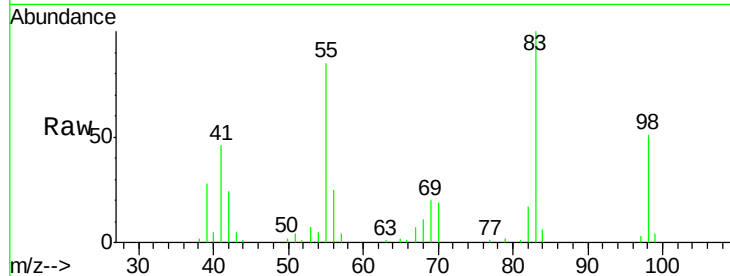




#39
Methylvlcyclohexane
Concen: 20.287 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

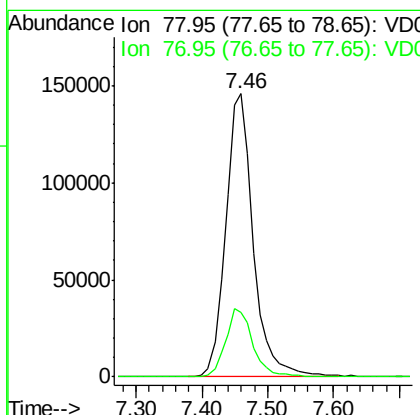
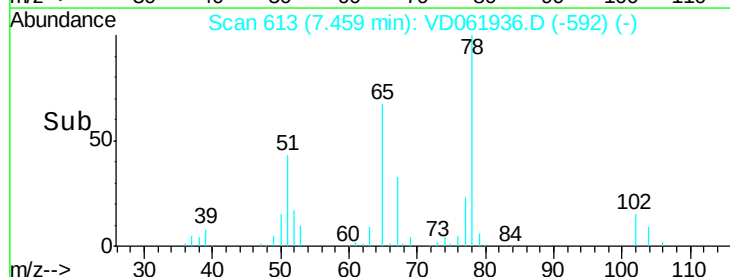
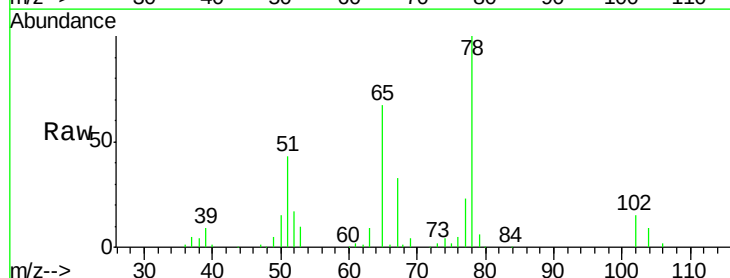
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

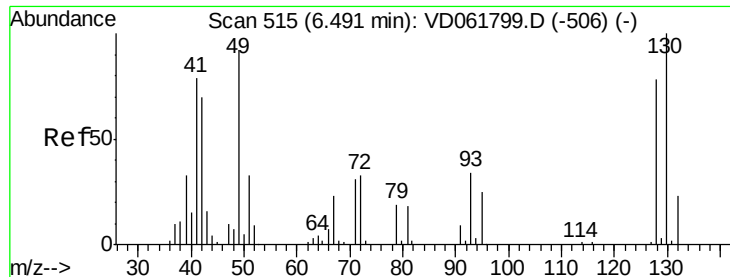
Tot Ion: 83 Resp: 179391
Ion Ratio Lower Upper
83 100
55 85.3 68.2 102.4
98 51.3 38.2 57.4



#40
Benzene
Concen: 20.829 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 78 Resp: 425819
Ion Ratio Lower Upper
78 100
77 23.0 19.7 29.5

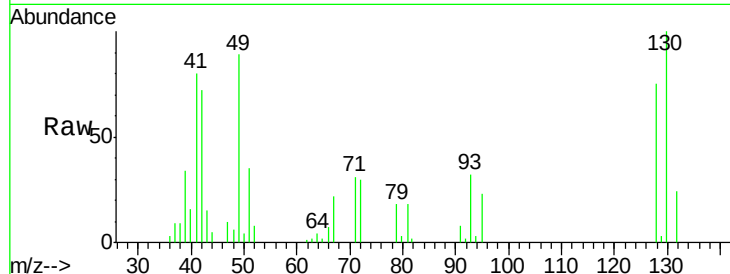




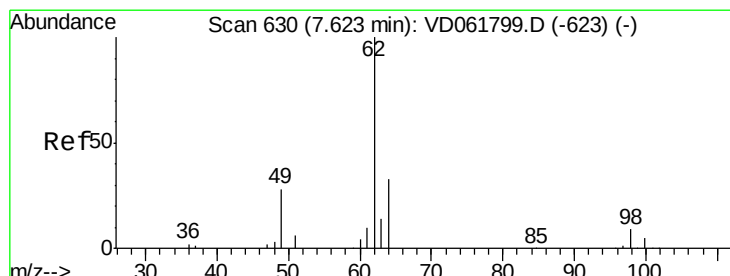
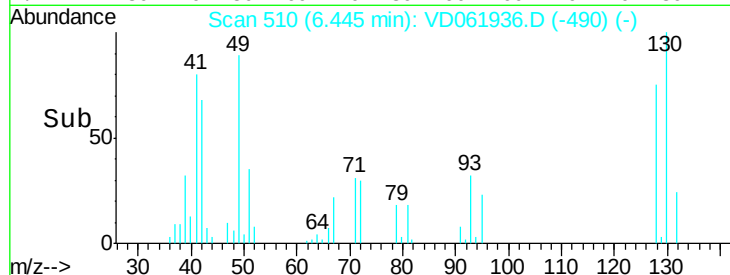
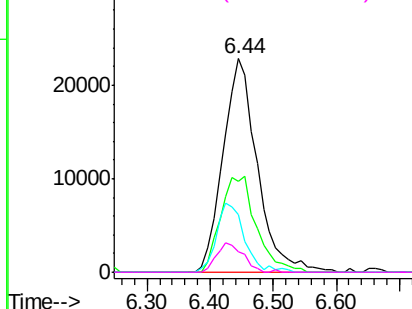
#41
Methacrylonitrile
Concen: 20.008 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

Tot Ion: 41 Resp: 86187
Ion Ratio Lower Upper
41 100
39 42.7 34.1 51.1
67 27.2 23.8 35.6
52 9.7 8.8 13.2

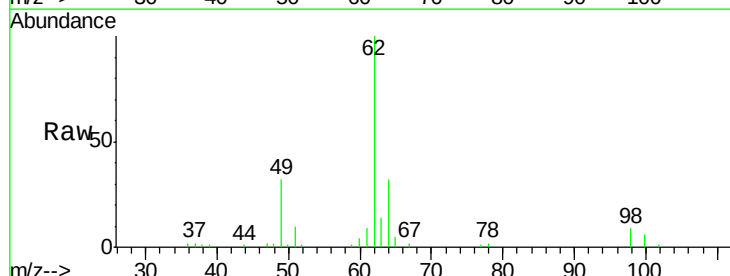


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

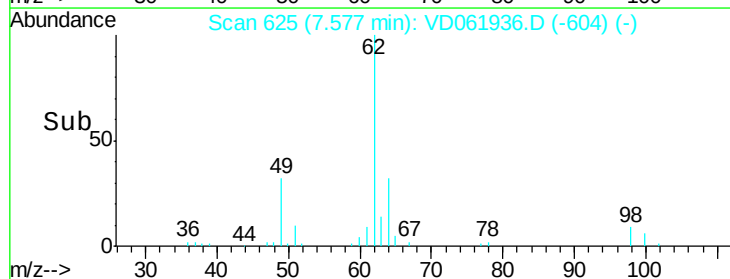
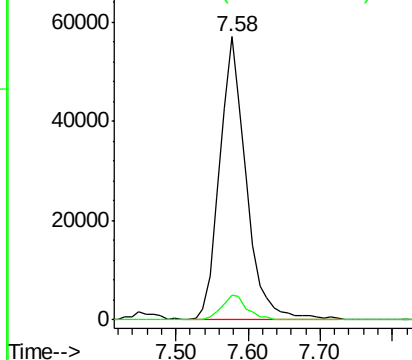


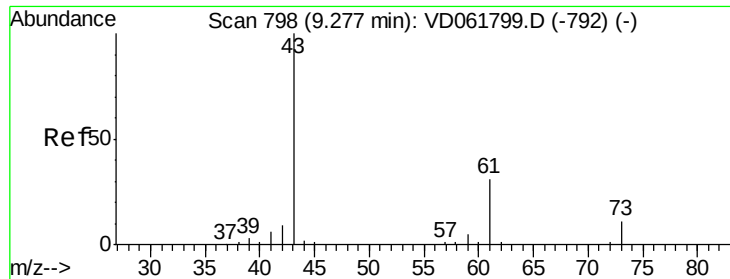
#42
1,2-Dichloroethane
Concen: 20.407 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 62 Resp: 145294
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.8



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

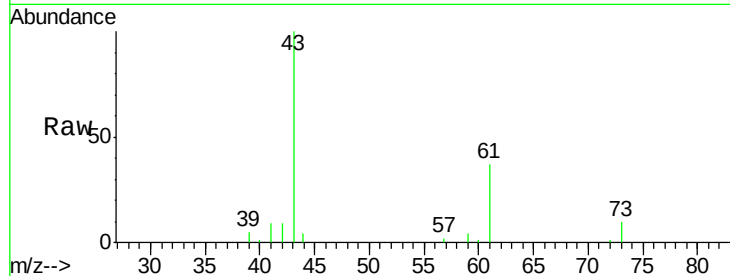




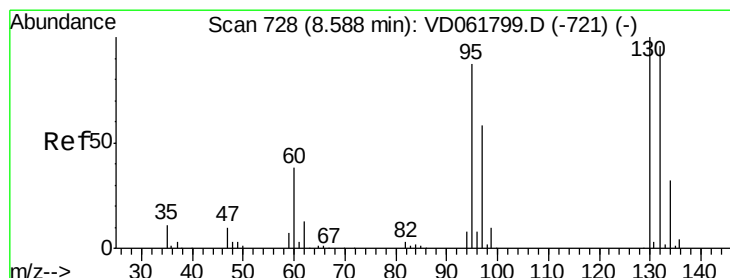
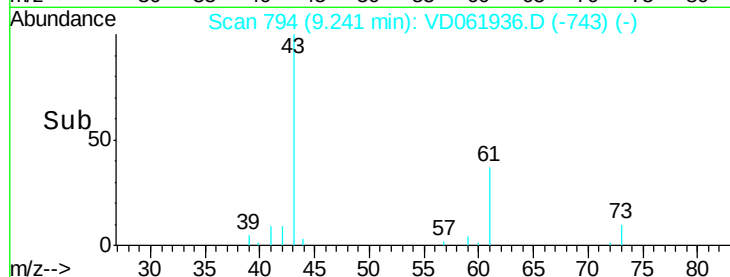
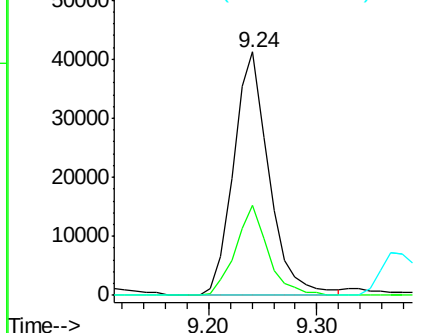
#43
Isopropyl Acetate
Concen: 18.351 ug/l
RT: 9.24 min Scan# 794
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

Tot Ion: 43 Resp: 94114
Ion Ratio Lower Upper
43 100
61 37.1 25.1 37.7
87 0.0 0.0 0.0

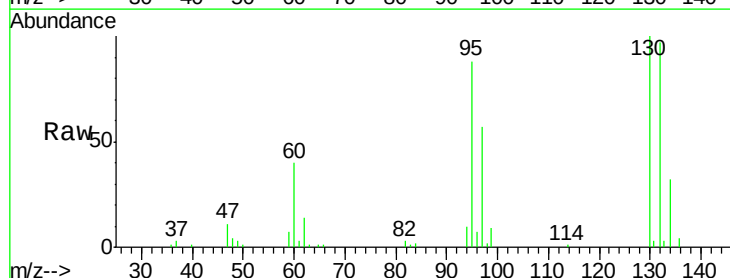


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

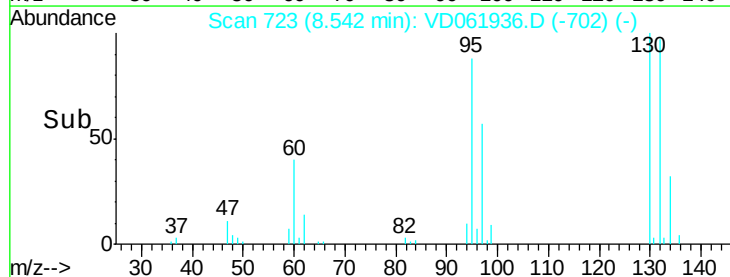
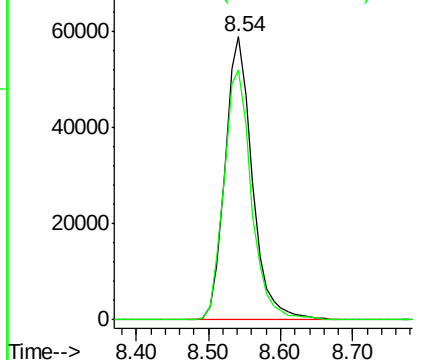


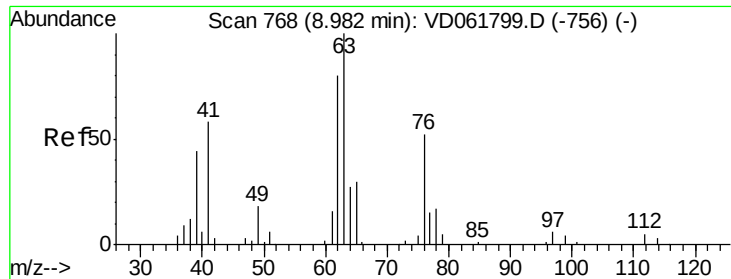
#44
Trichloroethene
Concen: 19.642 ug/l
RT: 8.54 min Scan# 723
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 130 Resp: 154578
Ion Ratio Lower Upper
130 100
95 88.4 0.0 174.0



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

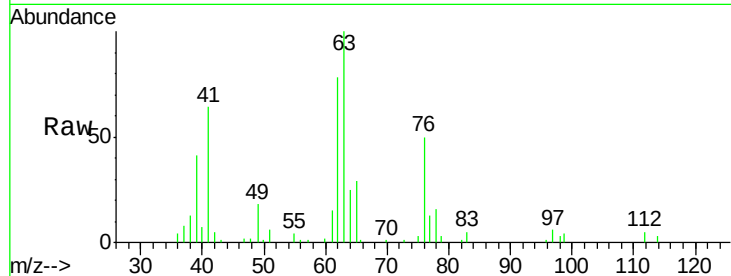




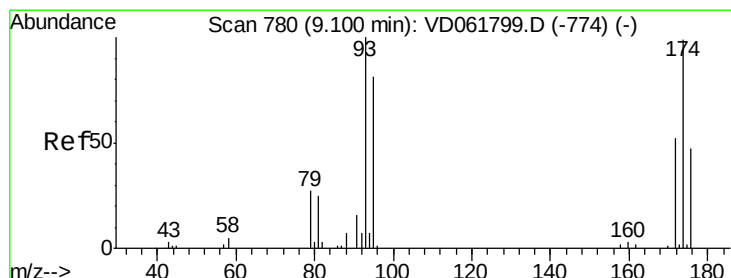
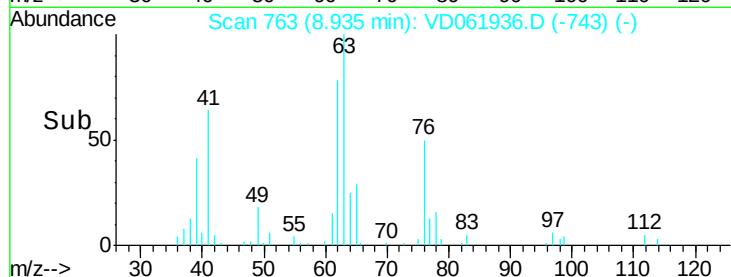
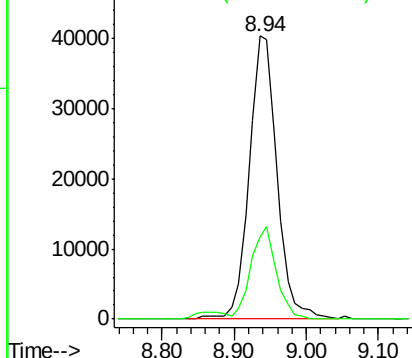
#45
 1,2-Dichloropropane
 Concen: 20.454 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

Tot Ion: 63 Resp: 108914
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.8 35.6

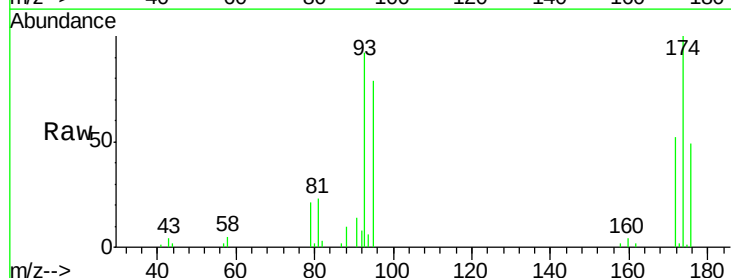


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

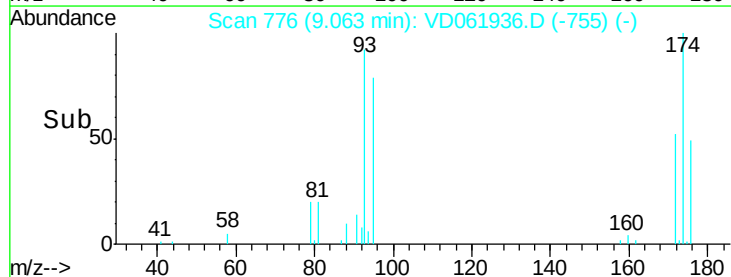
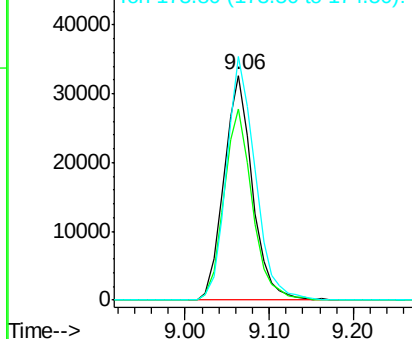


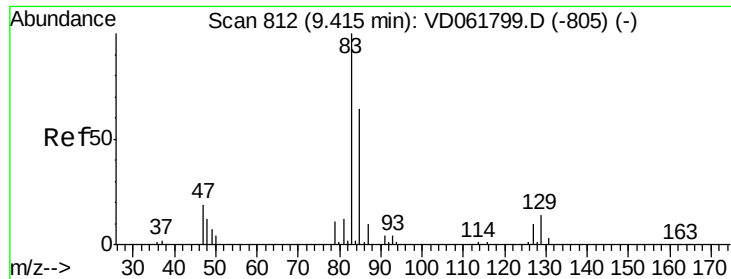
#46
 Dibromomethane
 Concen: 20.147 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 93 Resp: 76444
 Ion Ratio Lower Upper
 93 100
 95 85.4 64.8 97.2
 174 108.5 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: 20.063 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

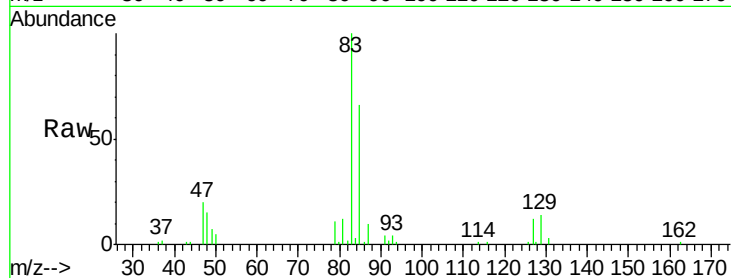
Tot Ion: 83 Resp: 175618

Ion Ratio Lower Upper

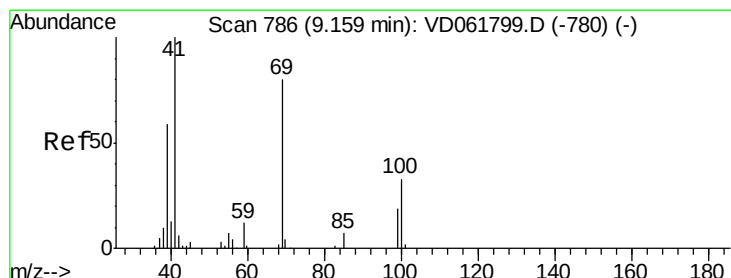
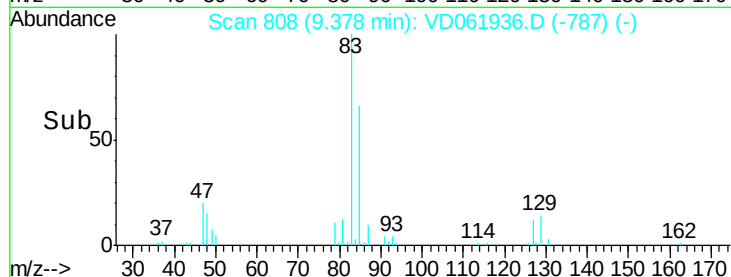
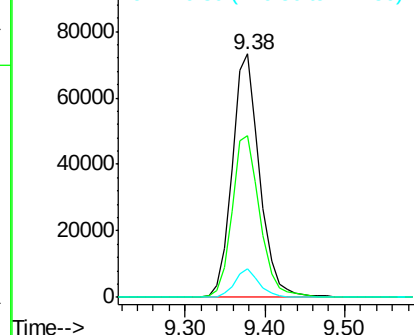
83 100

85 66.2 50.9 76.3

127 11.6 8.1 12.1



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



#48

Methyl methacrylate

Concen: 20.186 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

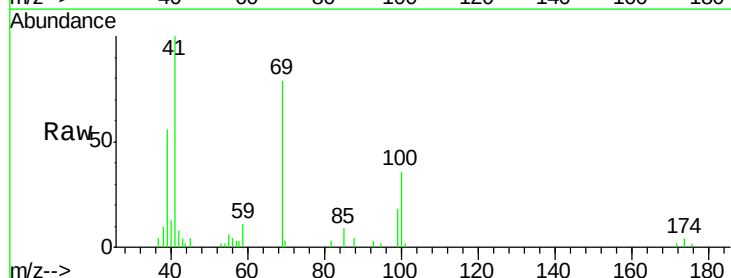
Tgt Ion: 41 Resp: 60855

Ion Ratio Lower Upper

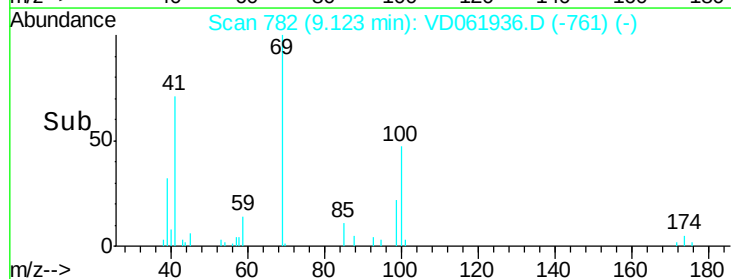
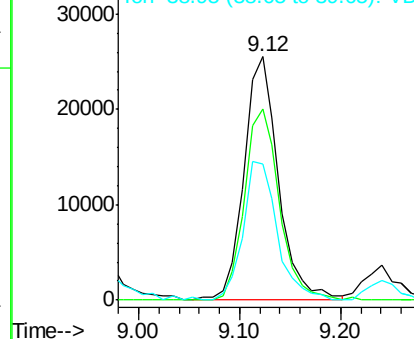
41 100

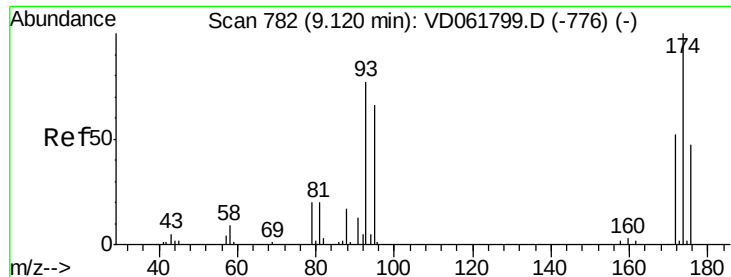
69 78.7 64.2 96.2

39 56.1 46.8 70.2



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





#49

1,4-Dioxane

Concen: 400.631 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

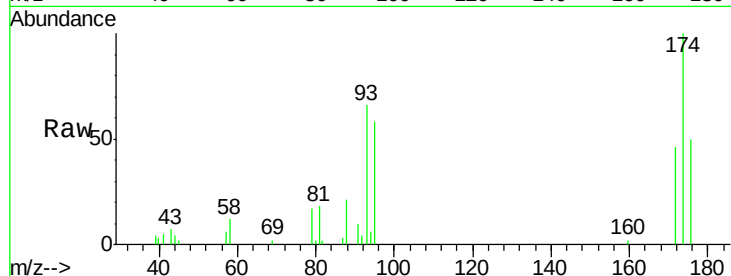
Tot Ion: 88 Resp: 13201

Ion Ratio Lower Upper

88 100

43 31.0 23.4 35.0

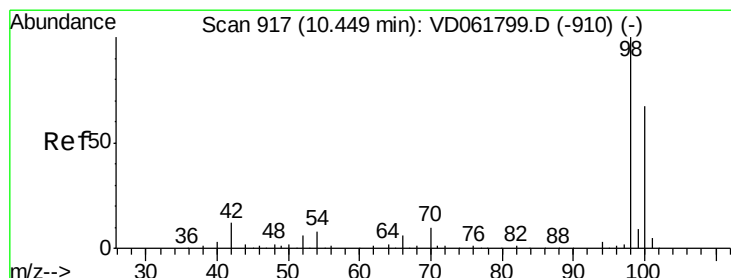
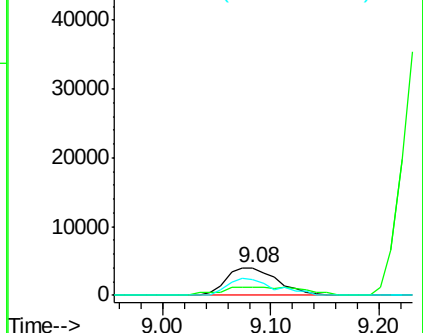
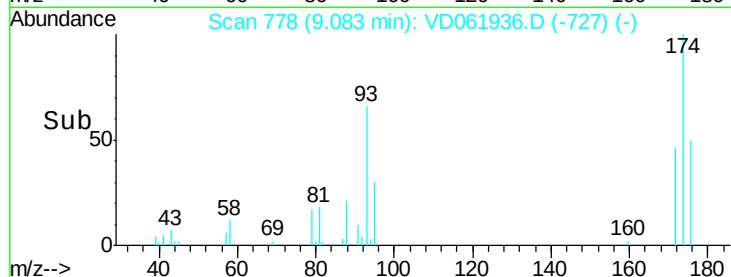
58 57.9 44.0 66.0



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: 400.631 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061936.D

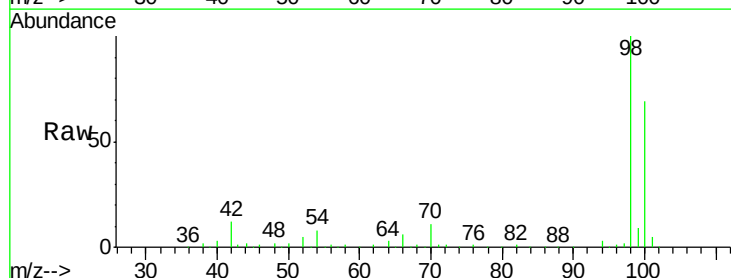
Acq: 22 Apr 2019 14:02

Tgt Ion: 98 Resp: 940807

Ion Ratio Lower Upper

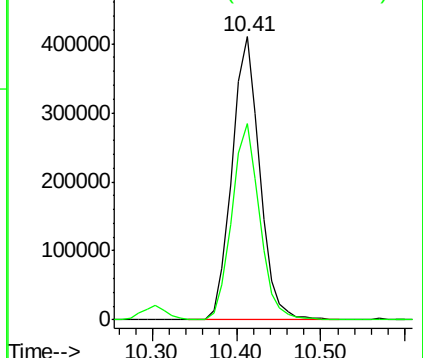
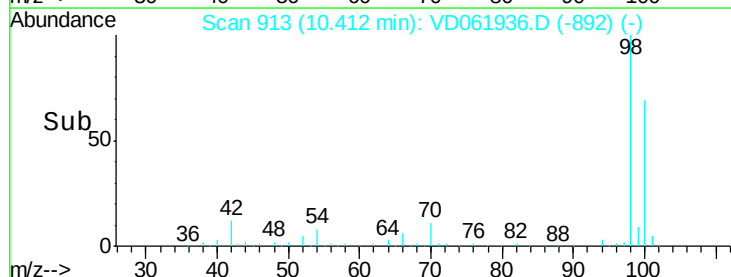
98 100

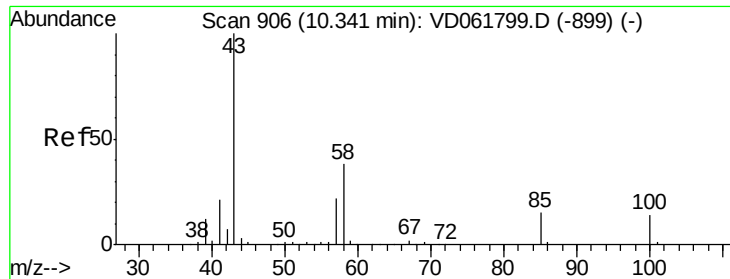
100 69.5 53.8 80.8



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: 106.063 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

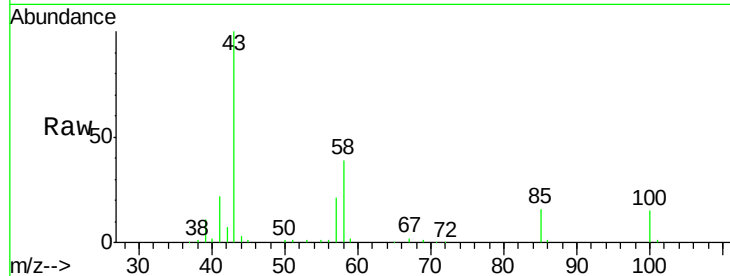
VD0422SBS01

Tot Ion: 43 Resp: 332646

Ion Ratio Lower Upper

43 100

58 39.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

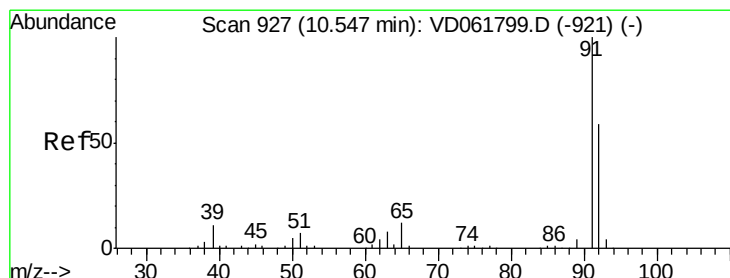
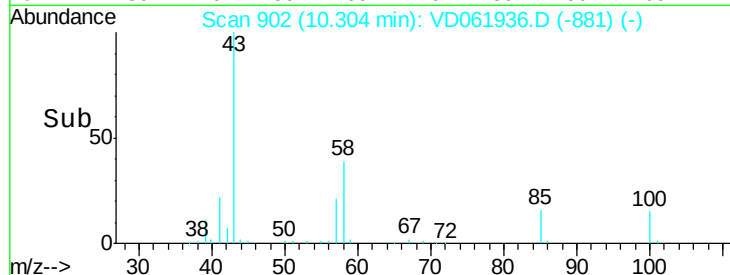
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.514 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061936.D

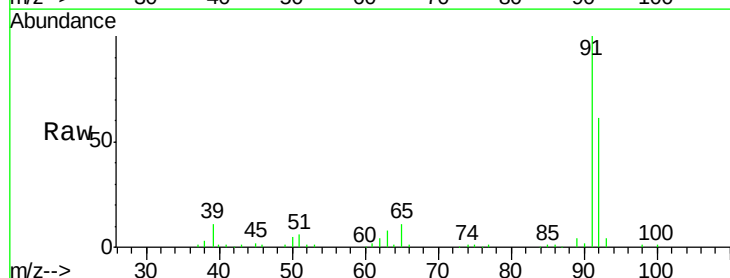
Acq: 22 Apr 2019 14:02

Tgt Ion: 92 Resp: 255641

Ion Ratio Lower Upper

92 100

91 163.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

200000

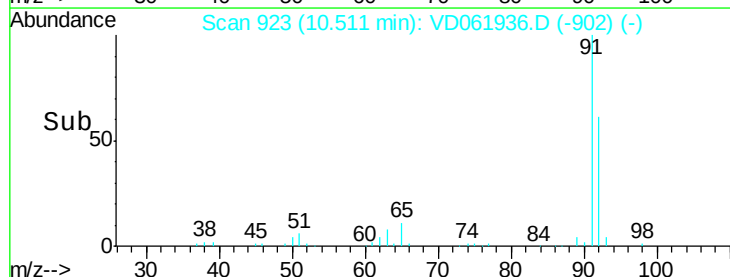
150000

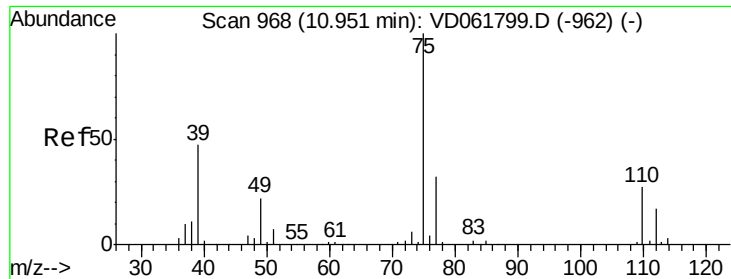
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.768 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

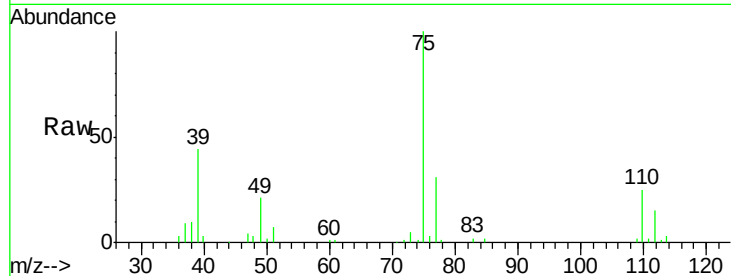
VD0422SBS01

Tot Ion: 75 Resp: 155921

Ion Ratio Lower Upper

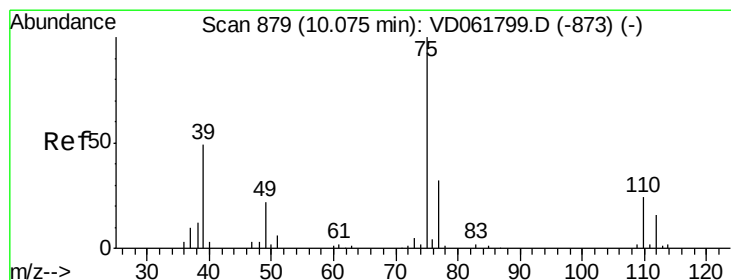
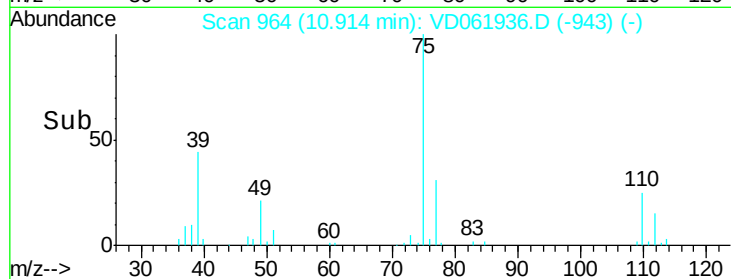
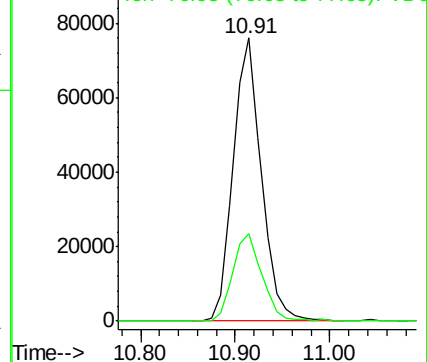
75 100

77 30.7 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: 20.708 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

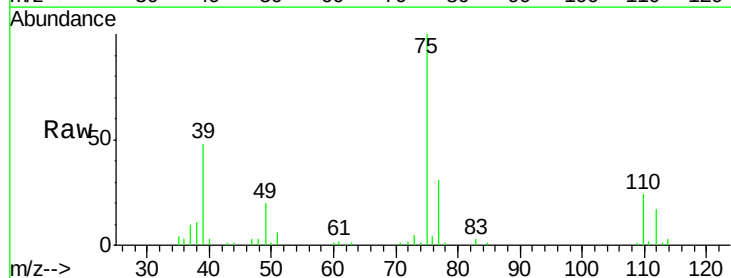
Tgt Ion: 75 Resp: 191722

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

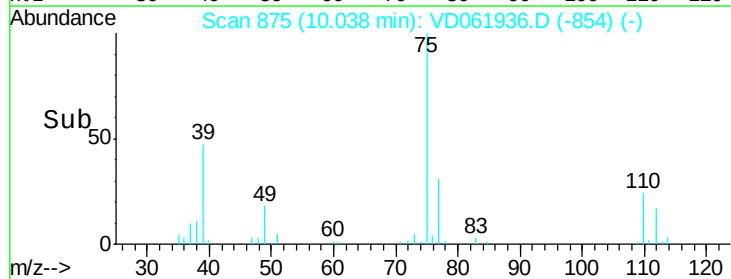
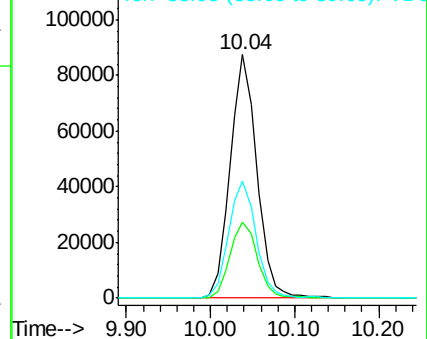
39 48.0 39.4 59.2

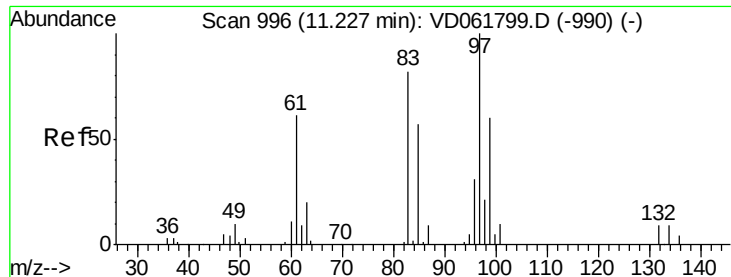


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

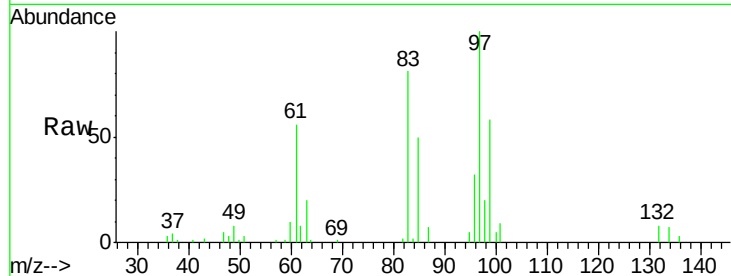




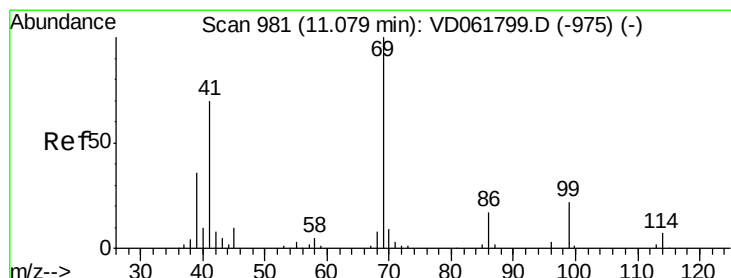
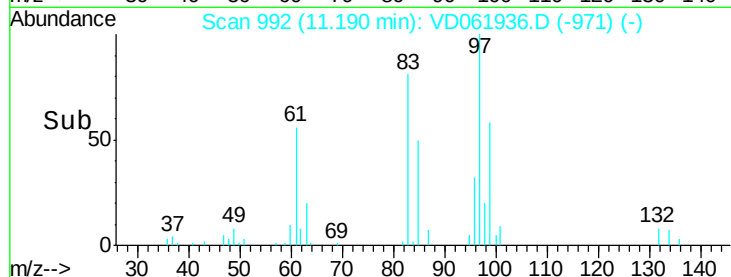
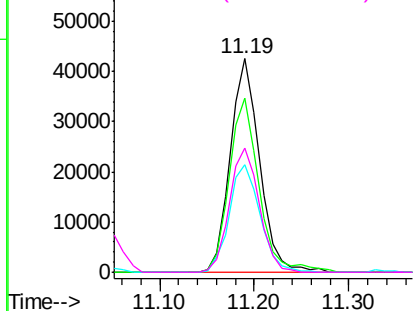
#55
 1,1,2-Trichloroethane
 Concen: 20.639 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

Tot Ion:	97	Resp:	91110
Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.7	98.5
85	50.3	45.6	68.4
99	58.4	48.4	72.6

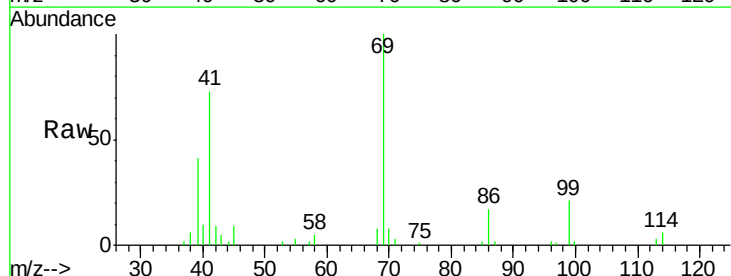


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

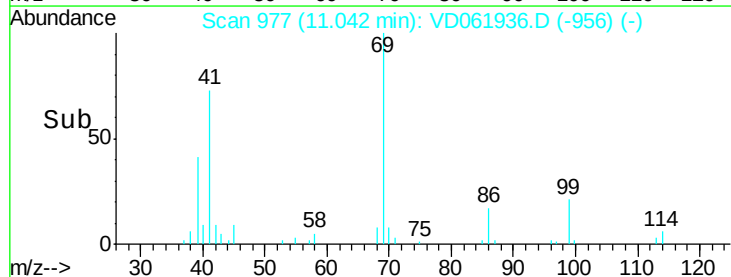
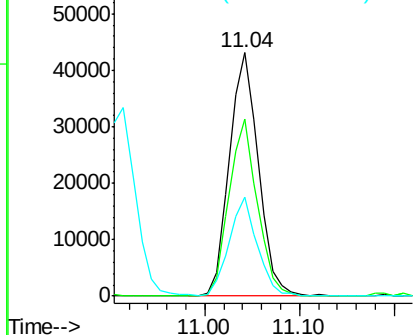


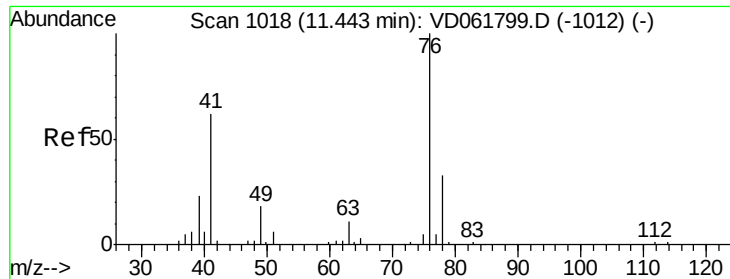
#56
 Ethyl methacrylate
 Concen: 18.871 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion:	69	Resp:	91430
Ion	Ratio	Lower	Upper
69	100		
41	72.9	56.3	84.5
39	40.7	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

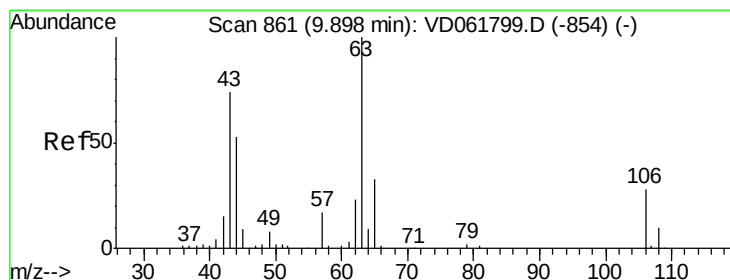
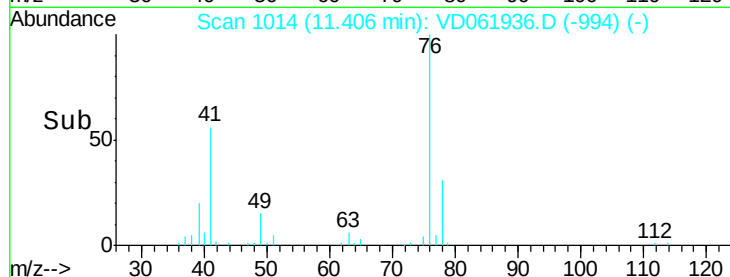
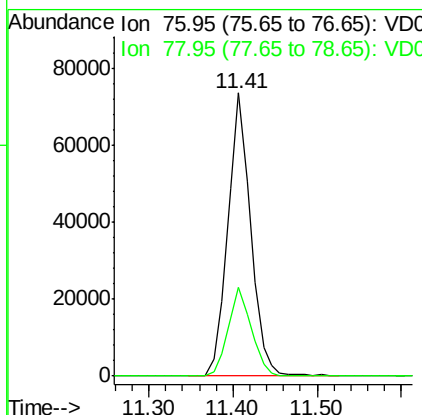
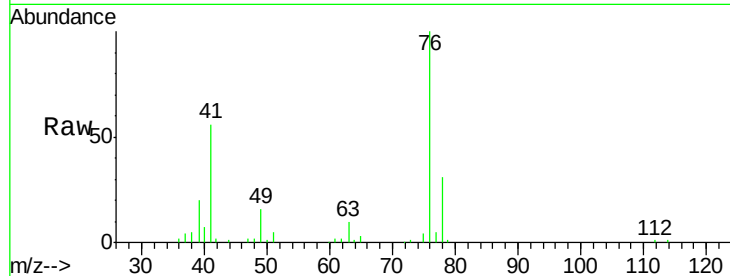




#57
 1,3-Dichloropropane
 Concen: 20.920 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

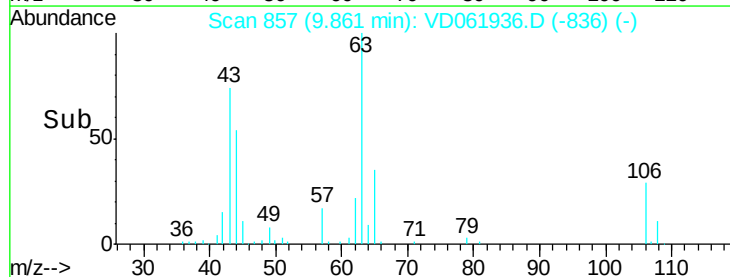
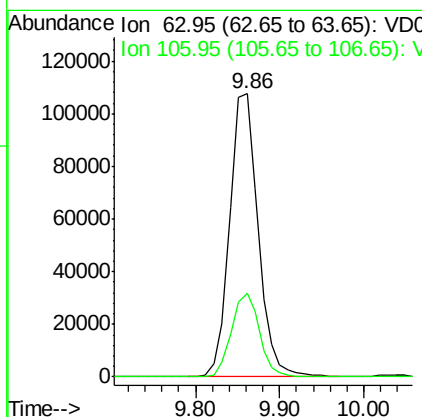
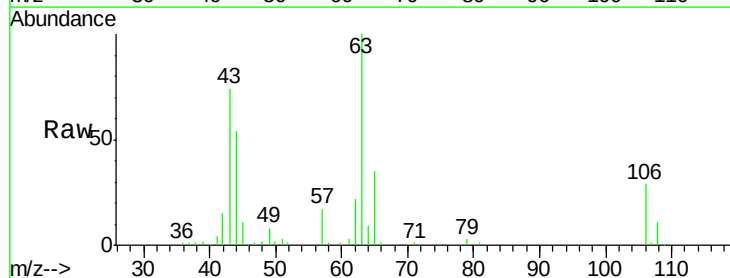
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

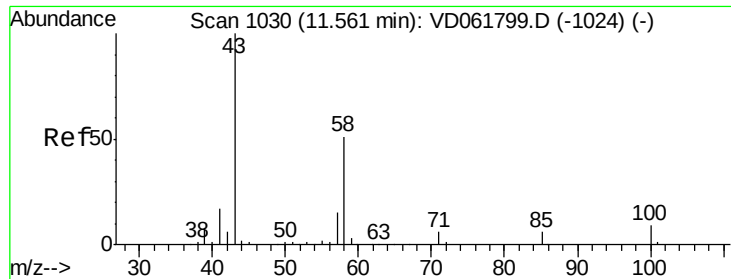
Tot Ion: 76 Resp: 138836
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.826 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 63 Resp: 253093
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.6 34.0

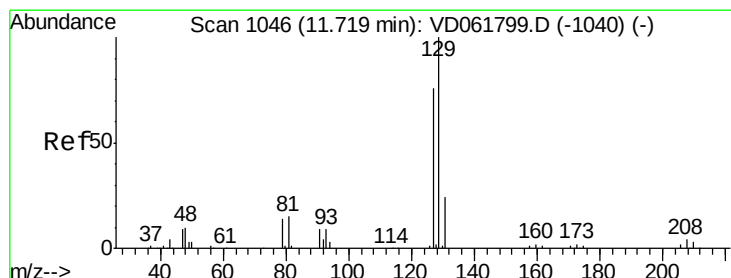
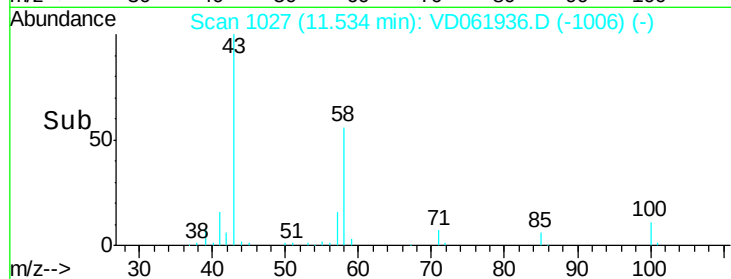
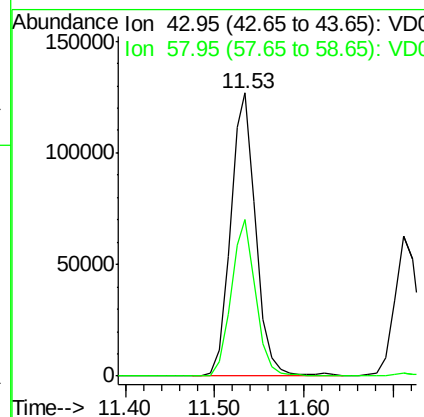
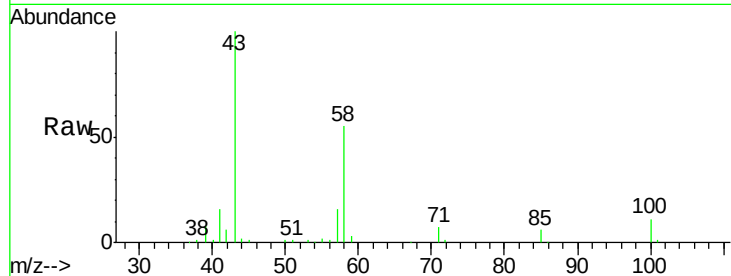




#59
2-Hexanone
Concen: 107.885 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

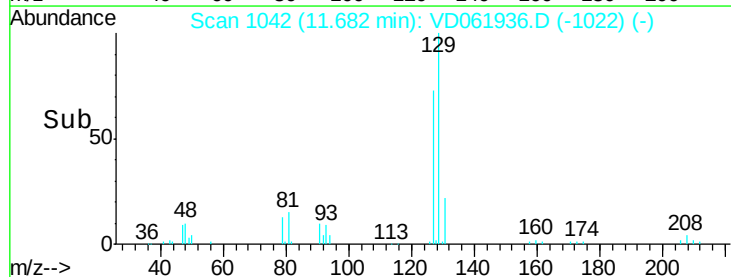
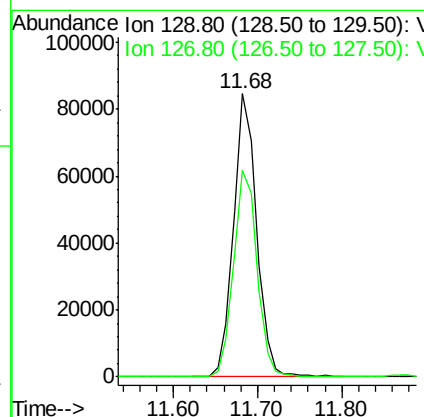
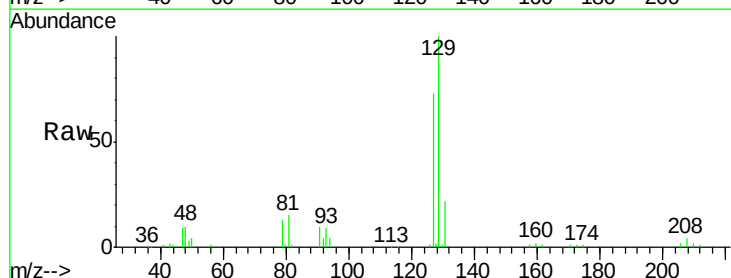
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

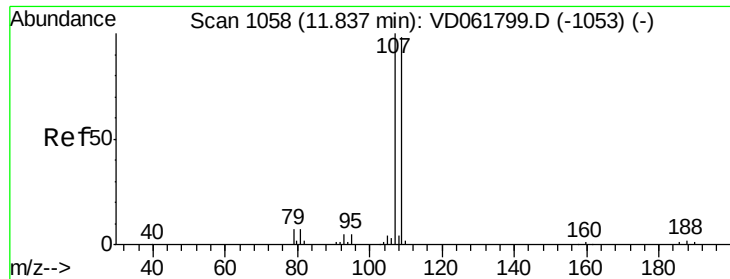
Tot Ion: 43 Resp: 251309
Ion Ratio Lower Upper
43 100
58 55.2 25.4 76.4



#60
Dibromochloromethane
Concen: 22.296 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 129 Resp: 161048
Ion Ratio Lower Upper
129 100
127 73.1 38.0 113.9

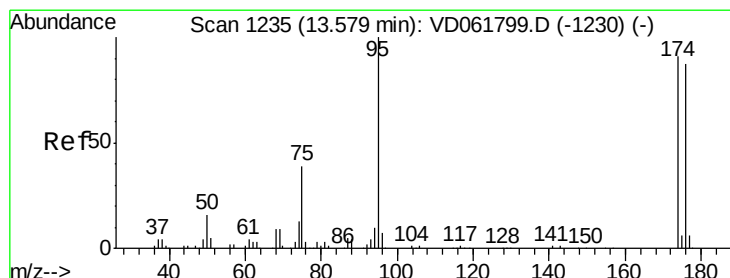
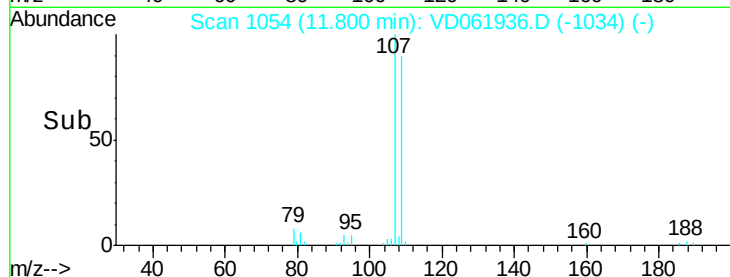
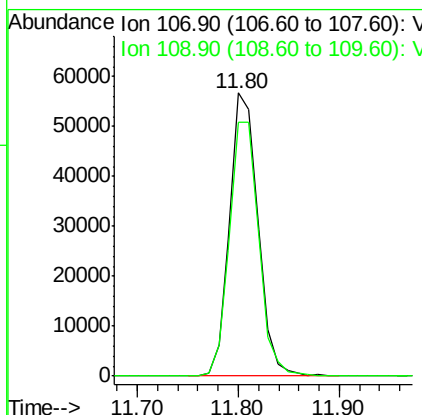
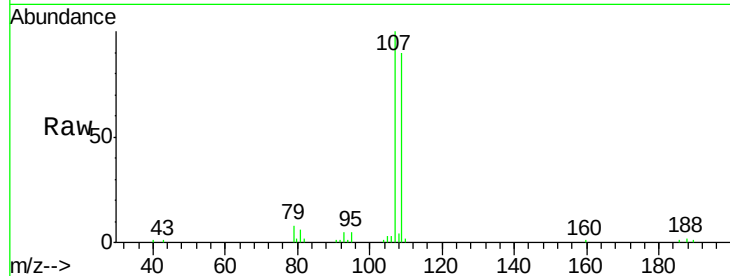




#61
 1,2-Dibromoethane
 Concen: 20.366 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

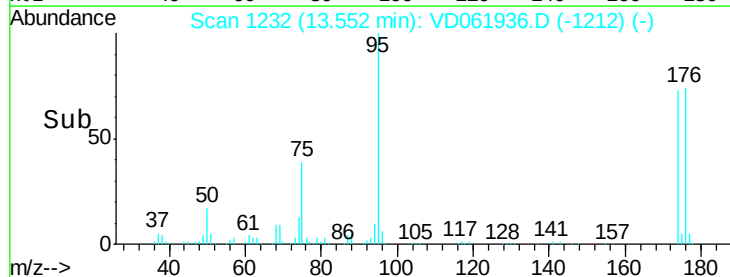
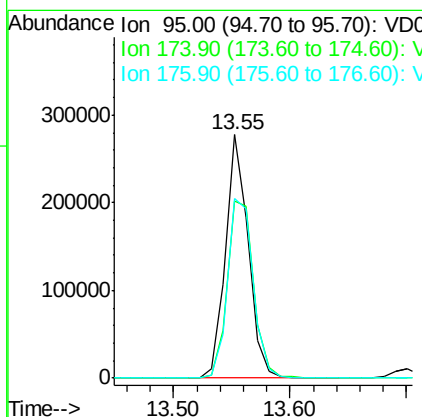
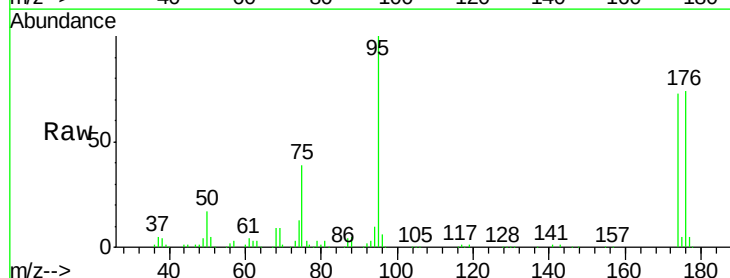
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

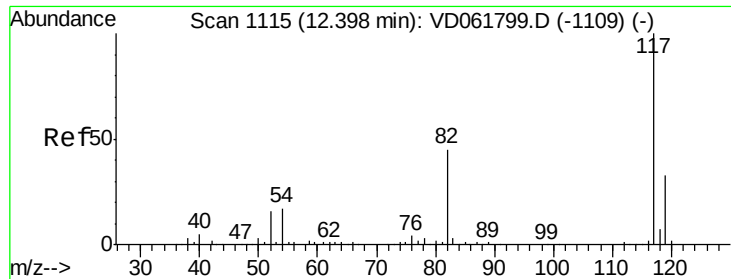
Tot Ion:107 Resp: 110544
 Ion Ratio Lower Upper
 107 100
 109 89.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 20.366 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 95 Resp: 373441
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 181.8
 176 73.5 0.0 174.4

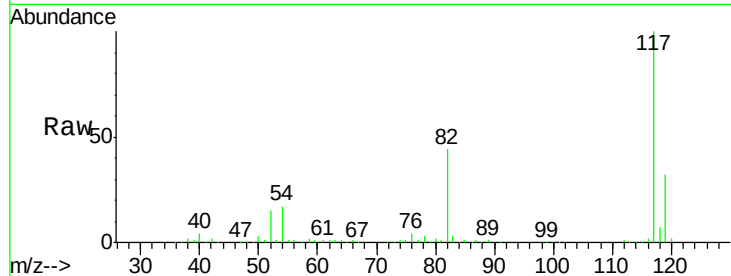




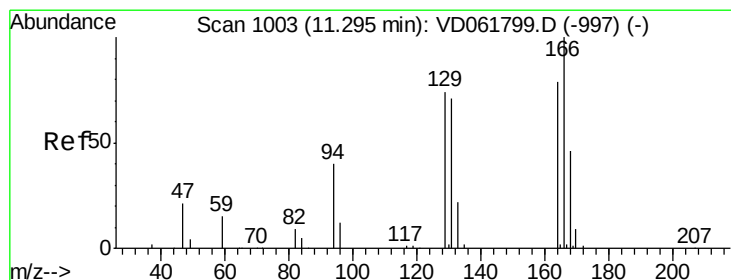
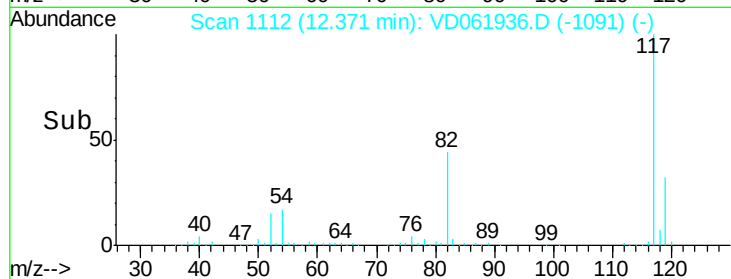
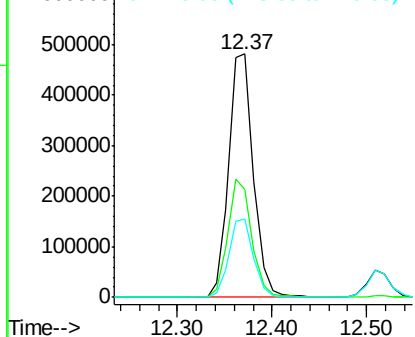
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:117 Resp: 871878
Ion Ratio Lower Upper
117 100
82 44.4 36.2 54.2
119 32.3 26.2 39.4

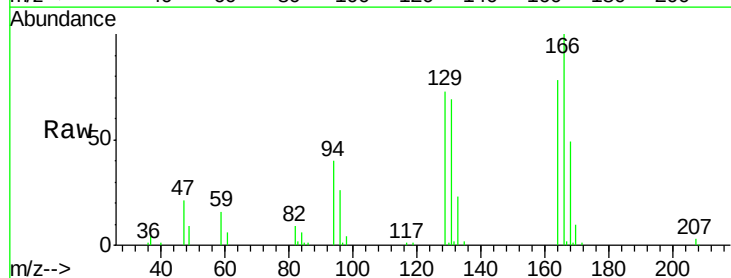


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

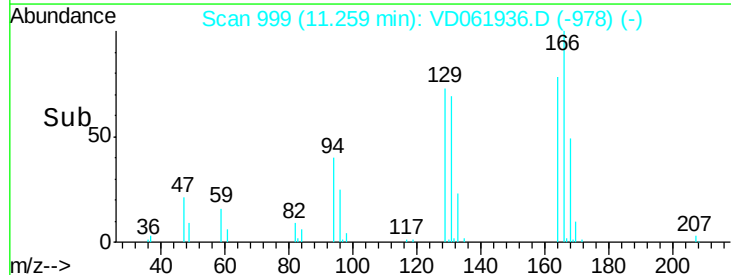
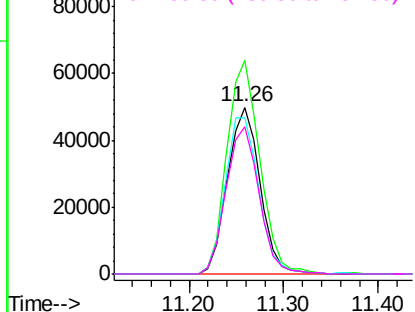


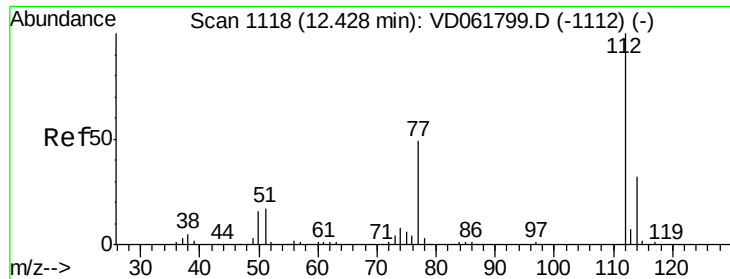
#64
Tetrachloroethene
Concen: 18.218 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion:164 Resp: 119123
Ion Ratio Lower Upper
164 100
166 128.0 101.5 152.3
129 93.7 74.6 112.0
131 88.3 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

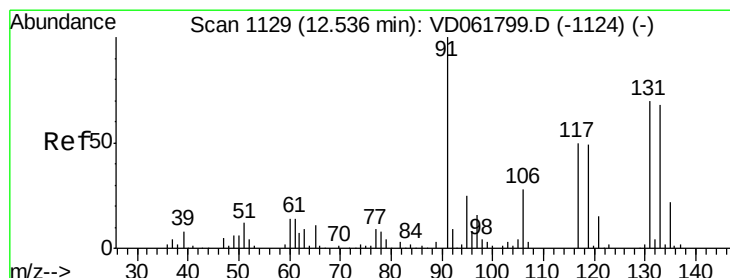
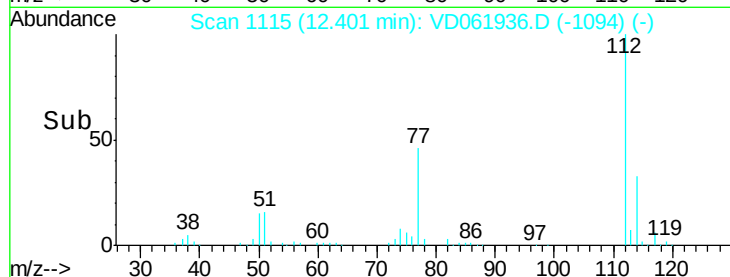
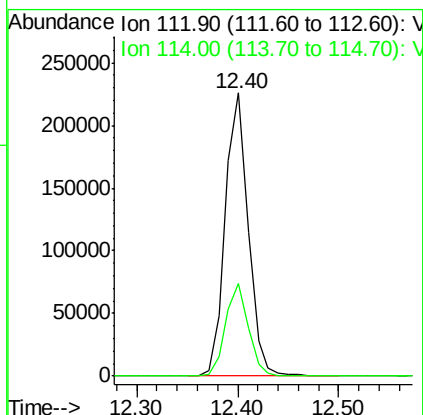
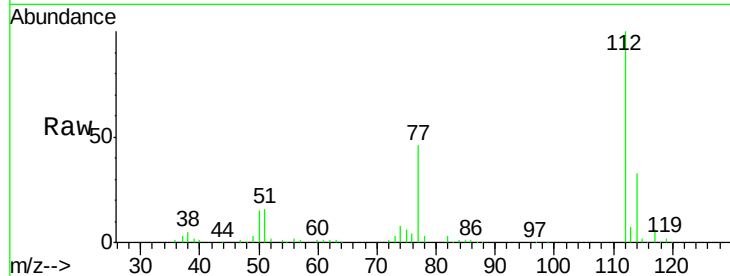




#65
Chlorobenzene
Concen: 22.031 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

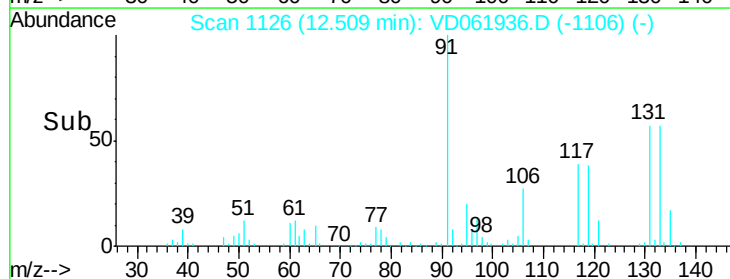
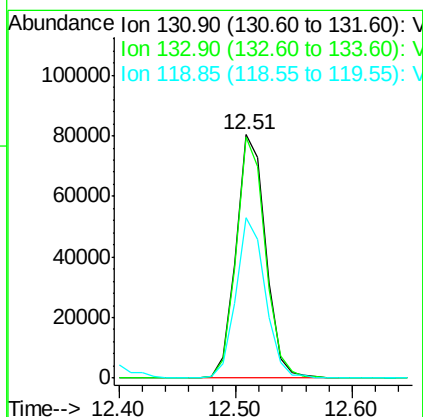
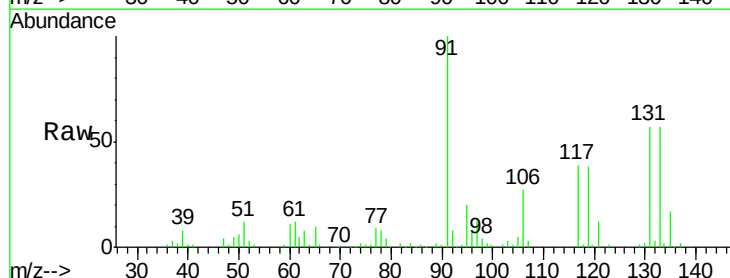
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

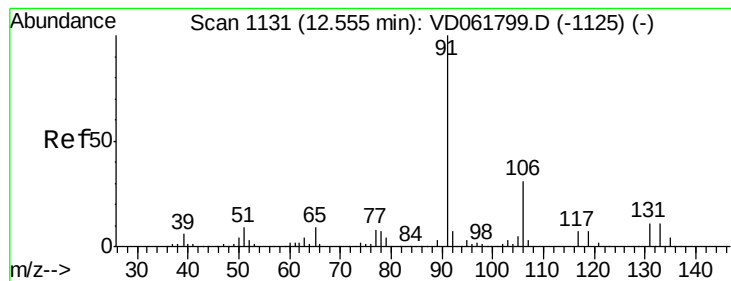
Tot Ion:112 Resp: 357717
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.732 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion:131 Resp: 141072
Ion Ratio Lower Upper
131 100
133 98.9 48.6 145.8
119 65.7 34.7 104.1





#67

Ethyl Benzene

Concen: 21.153 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

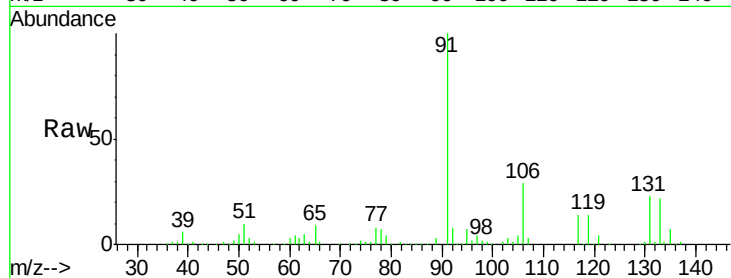
VD0422SBS01

Tot Ion: 91 Resp: 550053

Ion Ratio Lower Upper

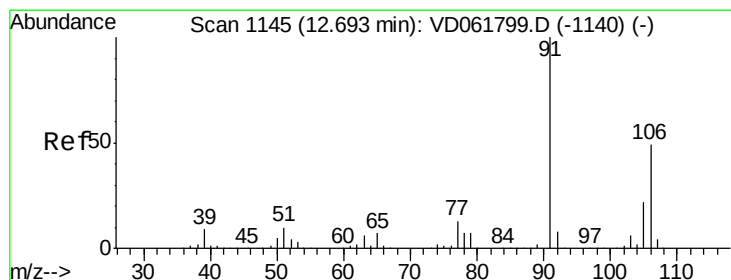
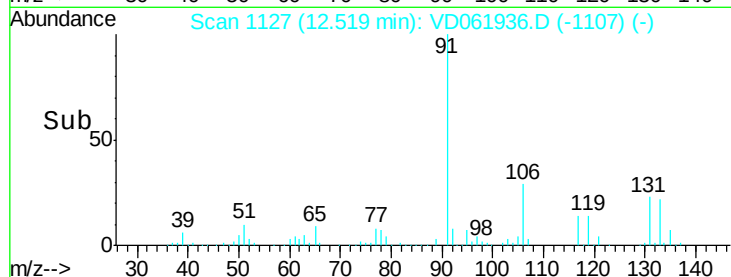
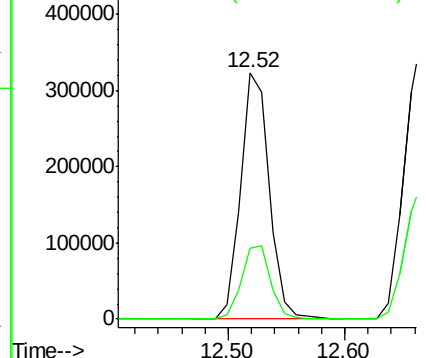
91 100

106 28.9 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 38.559 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VD061936.D

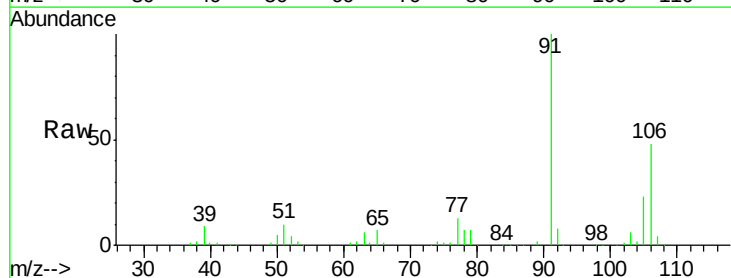
Acq: 22 Apr 2019 14:02

Tgt Ion: 106 Resp: 376627

Ion Ratio Lower Upper

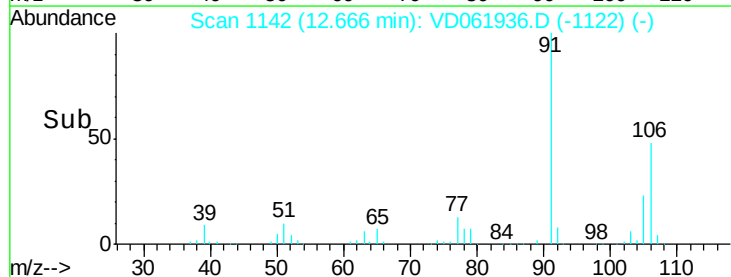
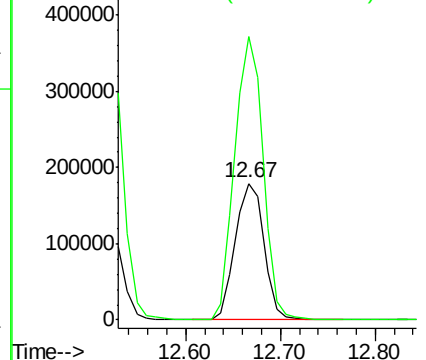
106 100

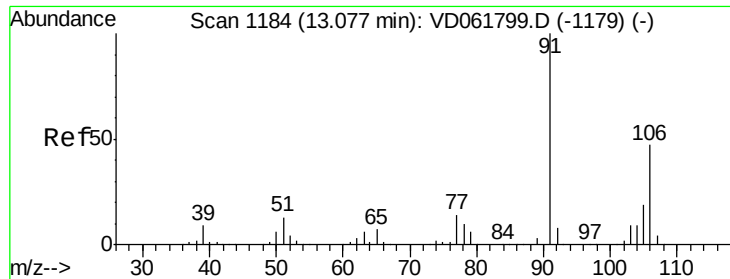
91 206.9 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

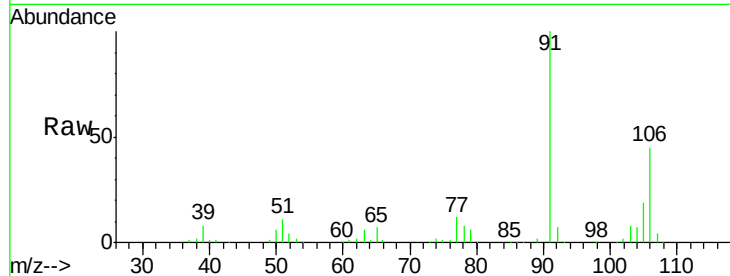




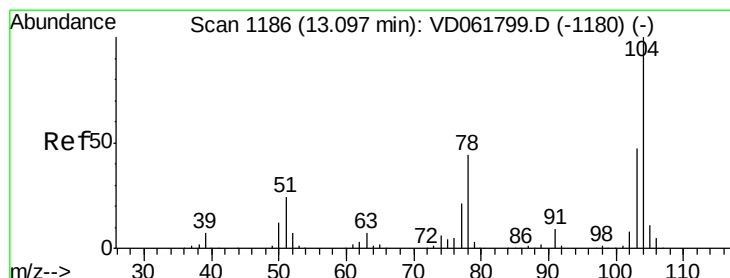
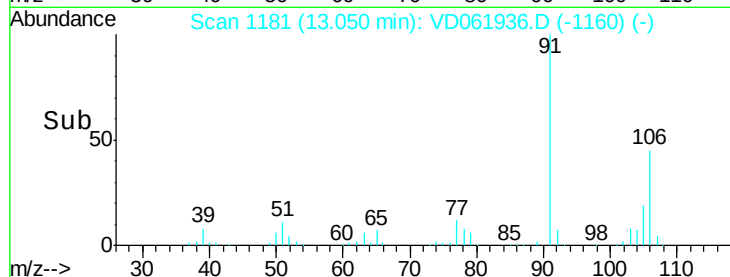
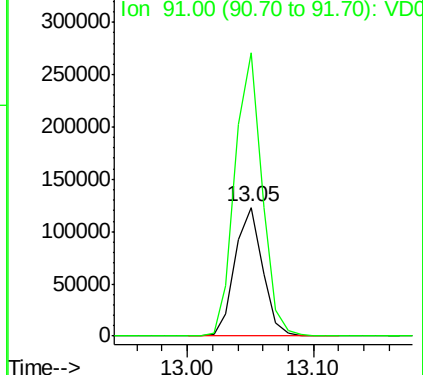
#69
o-Xylene
Concen: 20.145 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBS01

Tot Ion:106 Resp: 184943
Ion Ratio Lower Upper
106 100
91 220.3 106.7 319.9

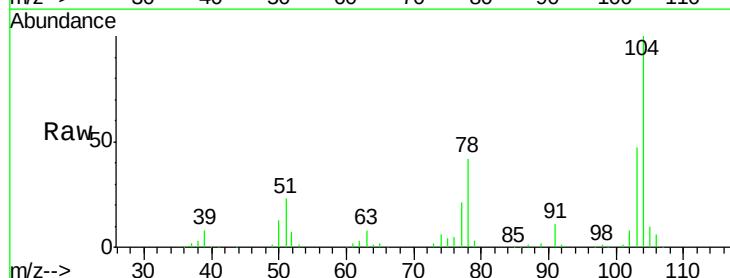


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

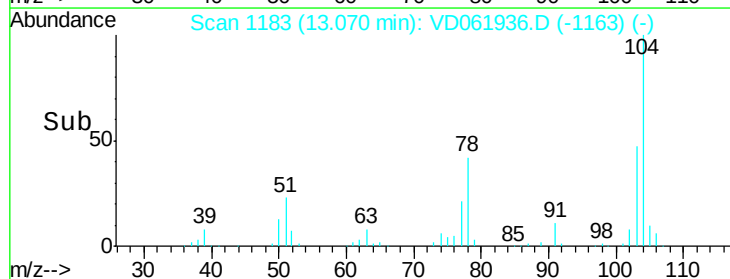
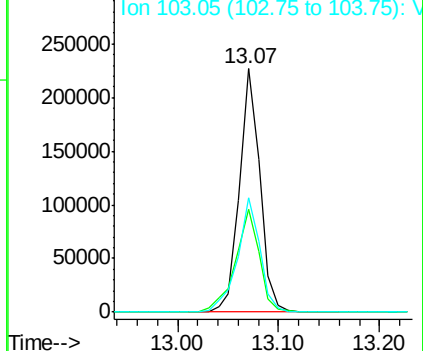


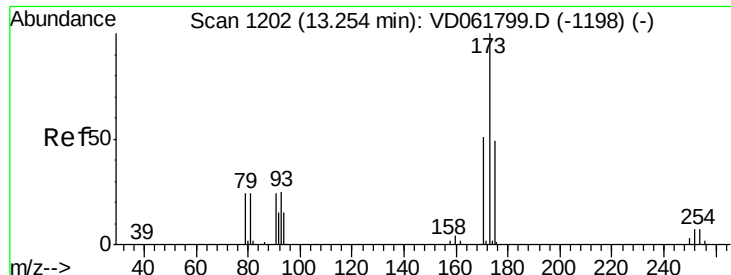
#70
Styrene
Concen: 20.227 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion:104 Resp: 319555
Ion Ratio Lower Upper
104 100
78 42.2 35.4 53.2
103 47.2 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: 18.938 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBS01

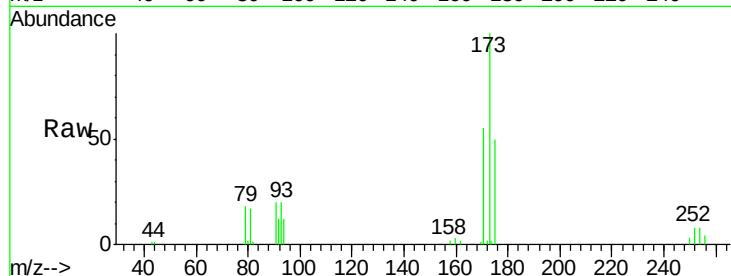
Tot Ion:173 Resp: 76493

Ion Ratio Lower Upper

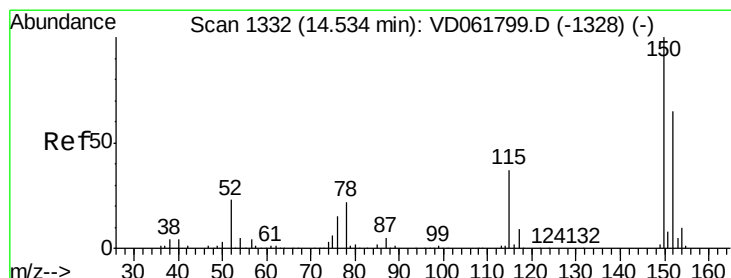
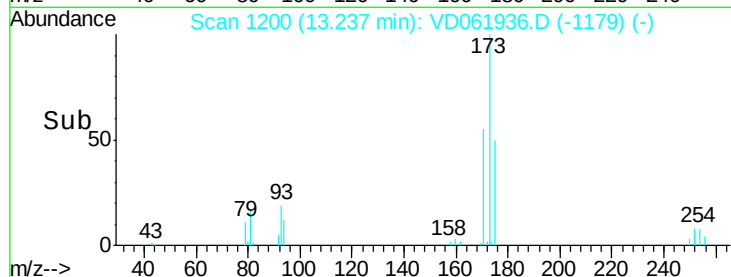
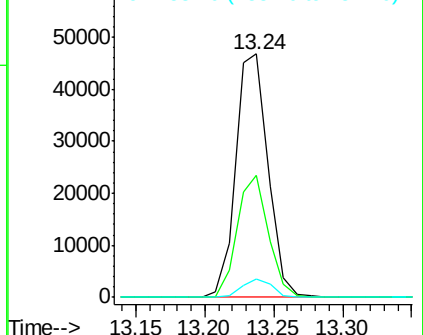
173 100

175 50.3 24.4 73.4

254 7.8 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: VD061936.D

Acq: 22 Apr 2019 14:02

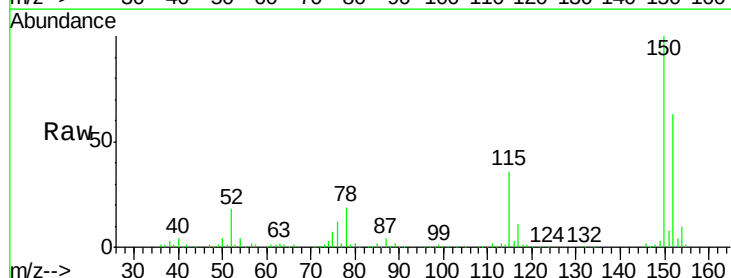
Tgt Ion:152 Resp: 388516

Ion Ratio Lower Upper

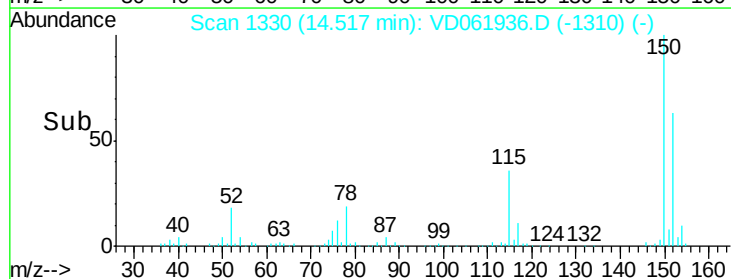
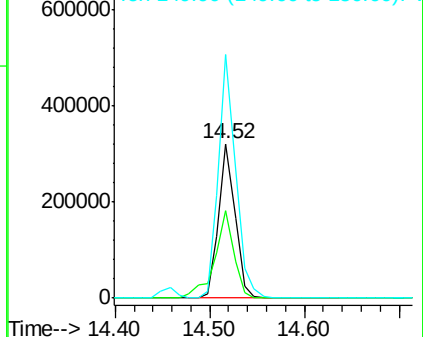
152 100

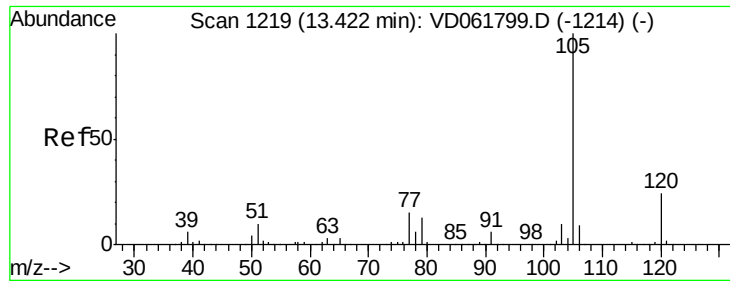
115 56.7 30.9 92.7

150 158.1 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: 21.242 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

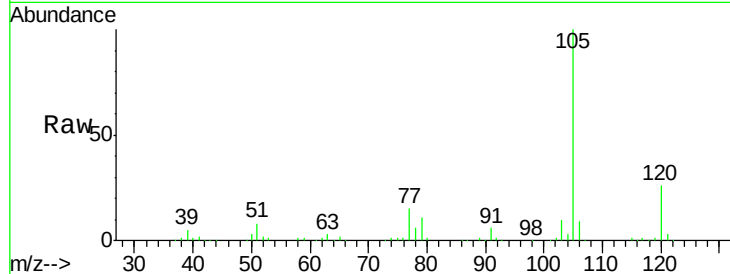
VD0422SBS01

Tot Ion:105 Resp: 535237

Ion Ratio Lower Upper

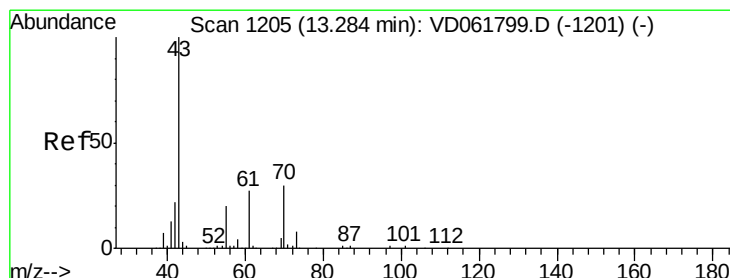
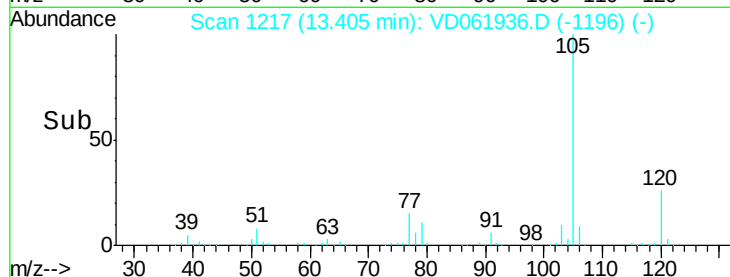
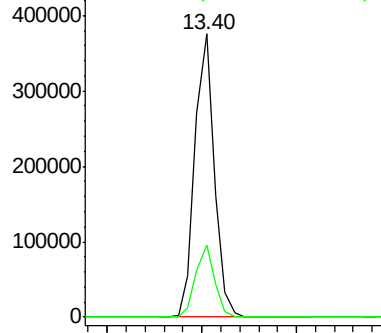
105 100

120 25.6 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: 20.353 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Tgt Ion: 43 Resp: 137898

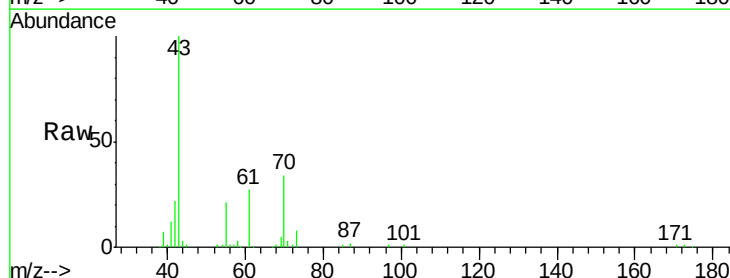
Ion Ratio Lower Upper

43 100

70 33.9 24.2 36.4

55 20.9 16.0 24.0

61 27.1 21.6 32.4

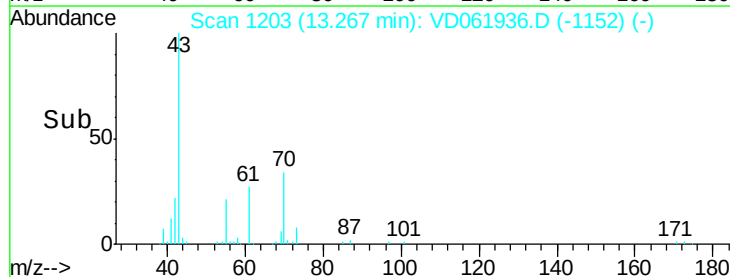
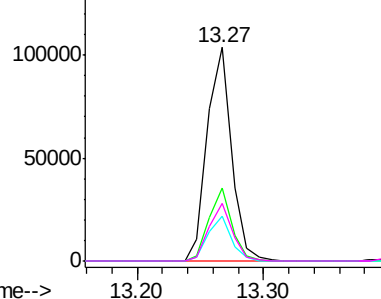


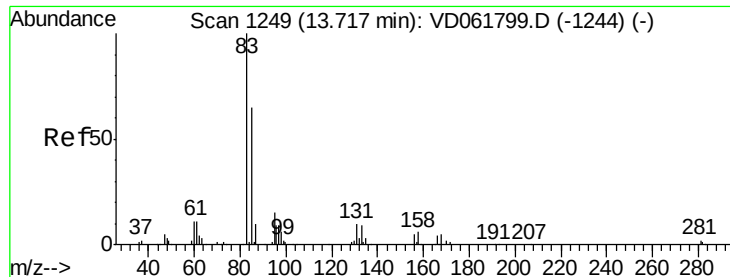
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.309 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBSD01

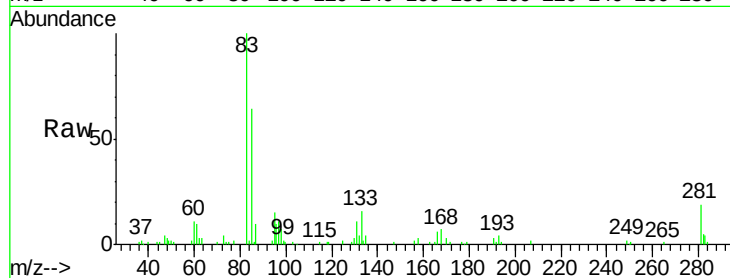
Tot Ion: 83 Resp: 101150

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

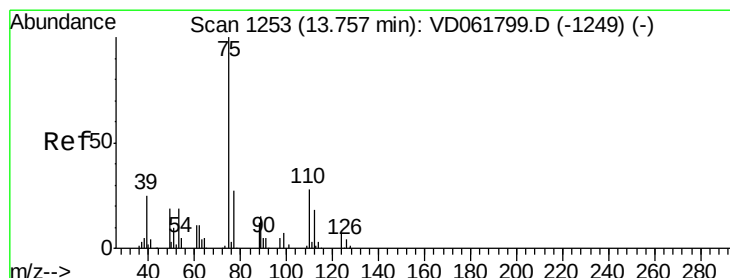
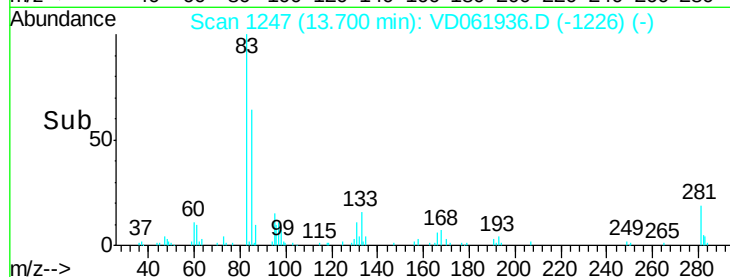
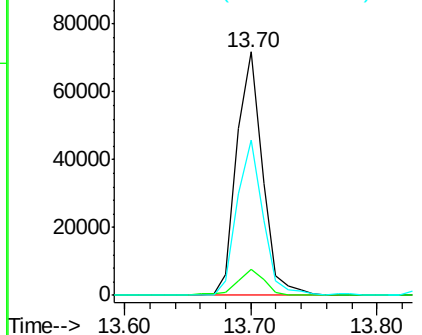
85 63.6 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.285 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061936.D

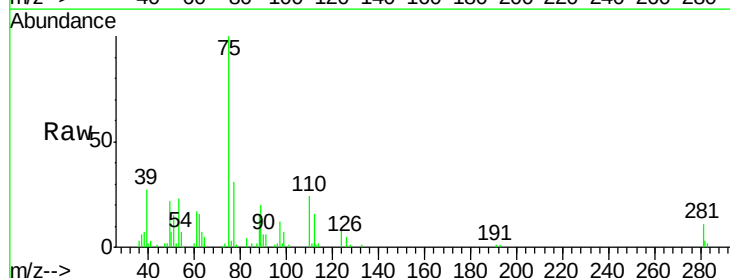
Acq: 22 Apr 2019 14:02

Tgt Ion: 75 Resp: 103501

Ion Ratio Lower Upper

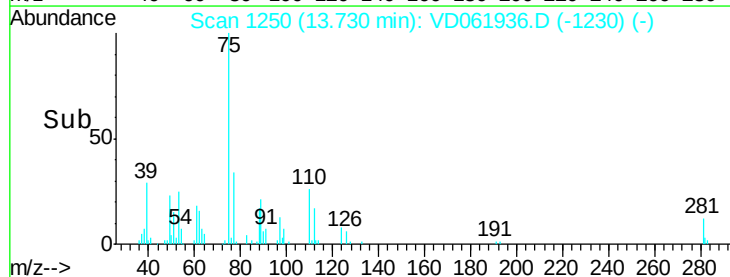
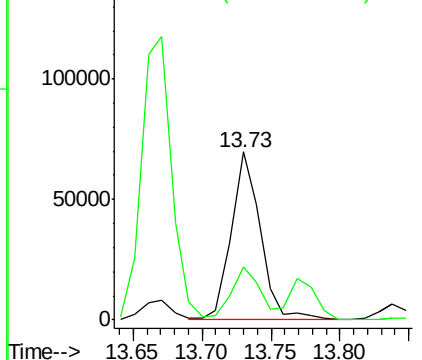
75 100

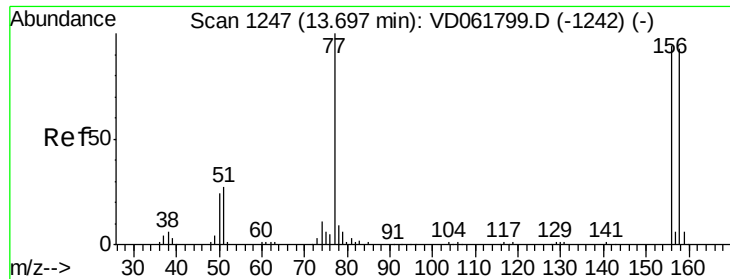
77 31.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.993 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

VD0422SBSD01

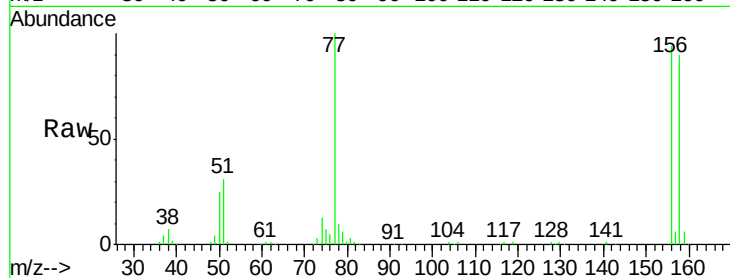
Tot Ion:156 Resp: 150257

Ion Ratio Lower Upper

156 100

77 106.5 53.1 159.4

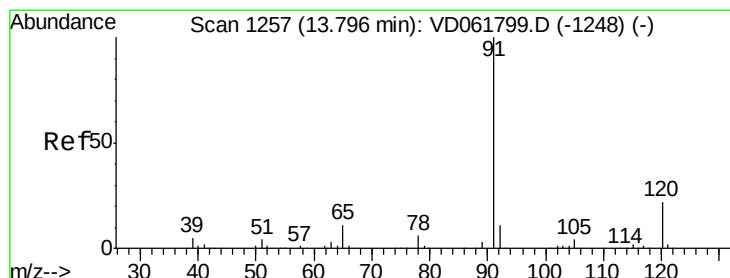
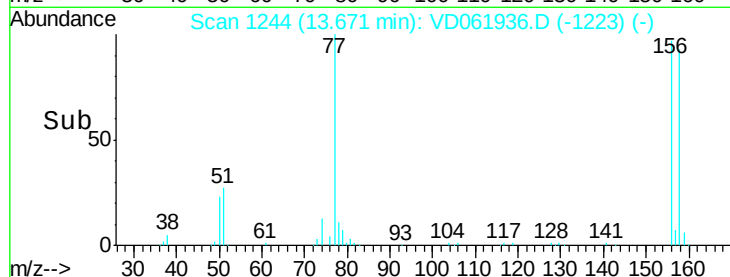
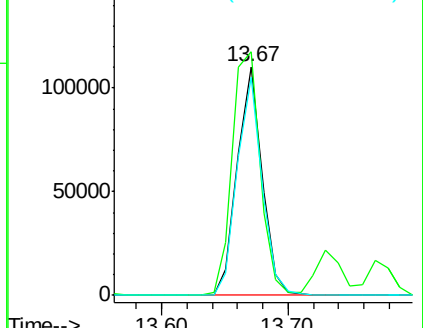
158 95.4 49.4 148.0



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: 21.694 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061936.D

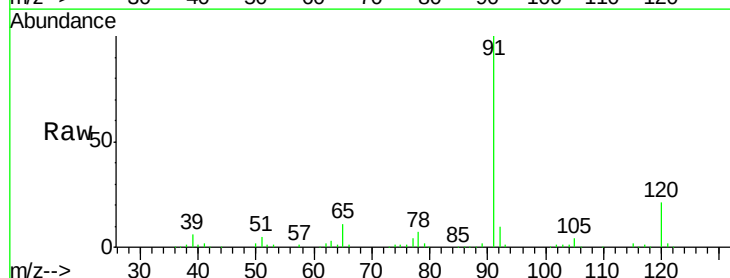
Acq: 22 Apr 2019 14:02

Tgt Ion: 91 Resp: 631527

Ion Ratio Lower Upper

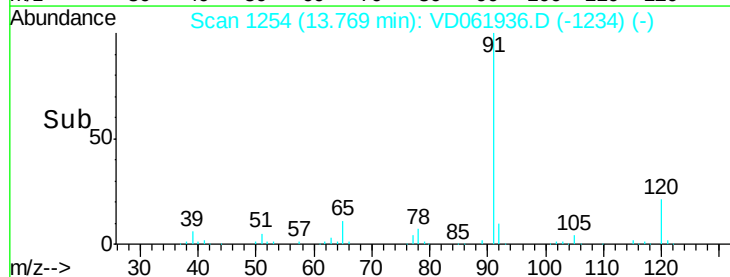
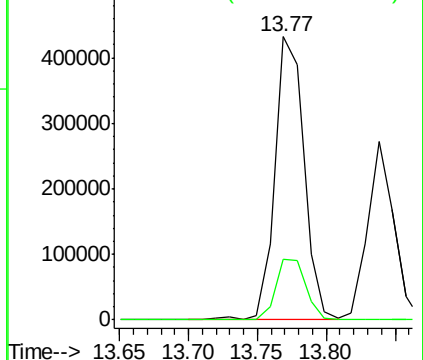
91 100

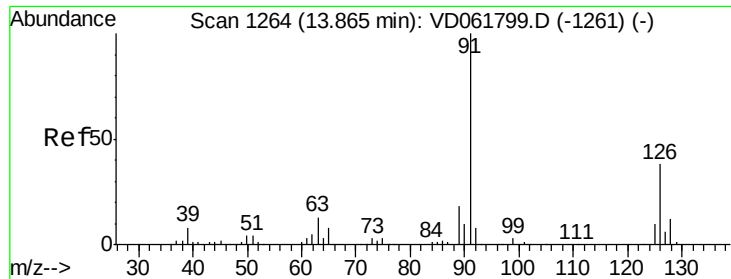
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.206 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD061936.D

Acq: 22 Apr 2019 14:02

Instrument :

MSVOA_D

ClientSampleId :

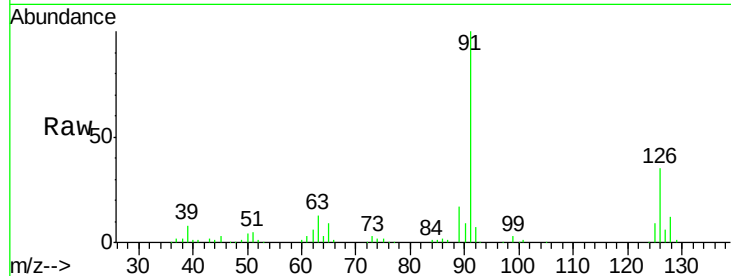
VD0422SBSD01

Tot Ion: 91 Resp: 360624

Ion Ratio Lower Upper

91 100

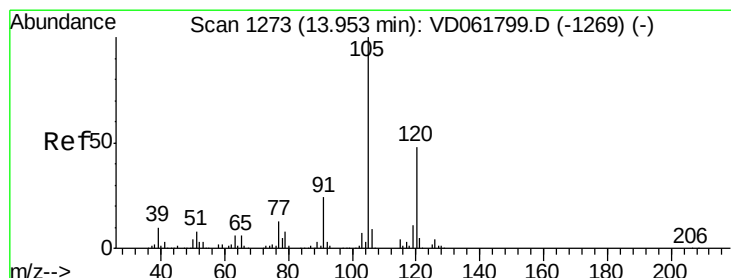
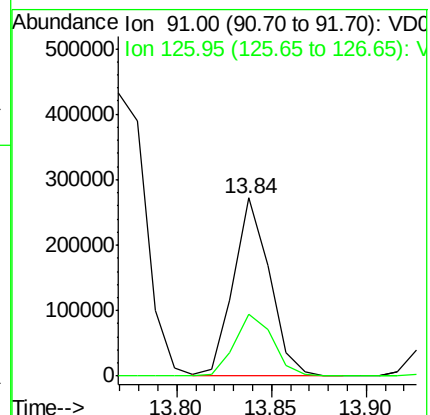
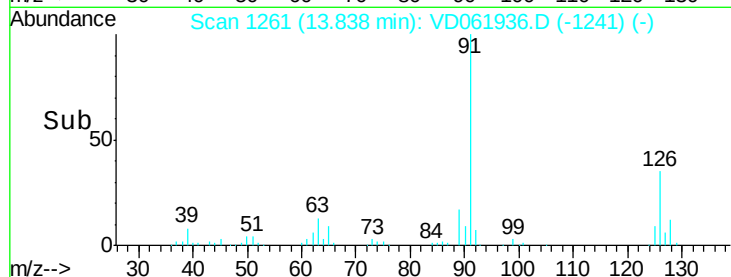
126 35.0 18.6 55.8



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

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.366 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061936.D

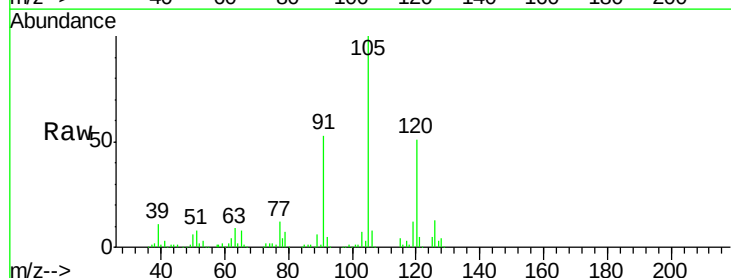
Acq: 22 Apr 2019 14:02

Tgt Ion: 105 Resp: 447143

Ion Ratio Lower Upper

105 100

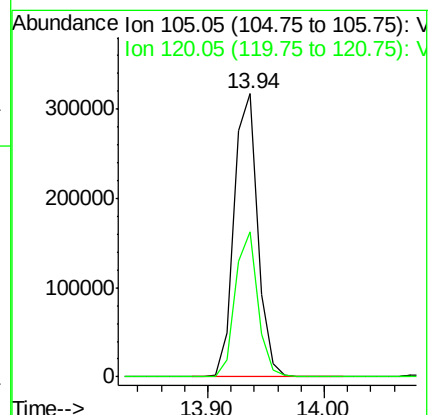
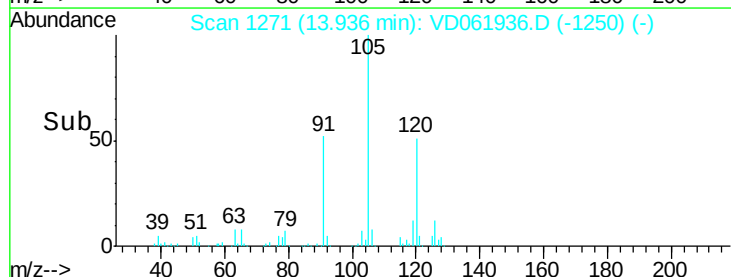
120 51.3 24.0 72.0

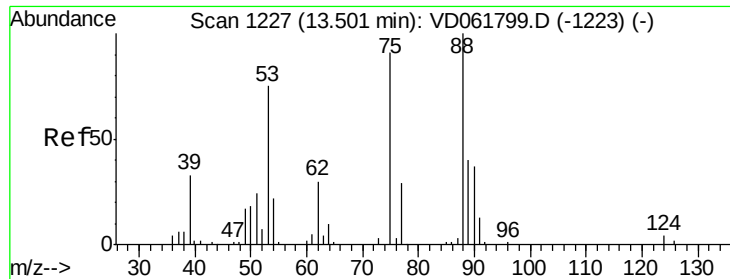


Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)

Time-->

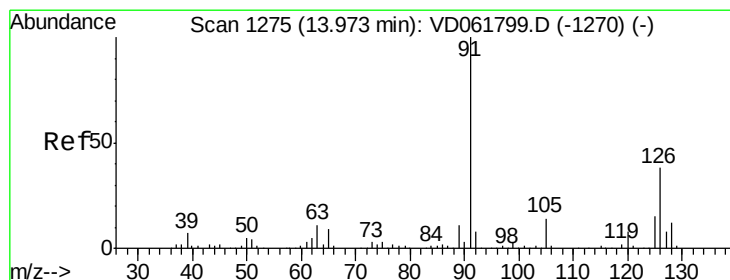
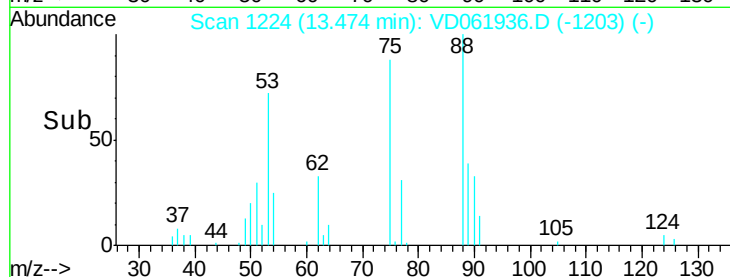
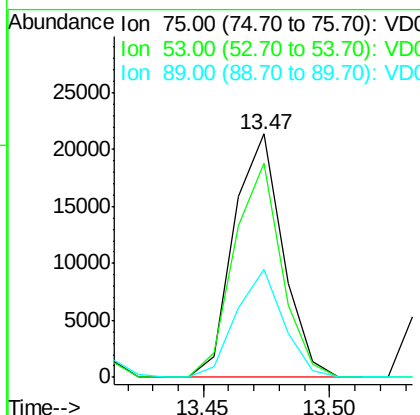
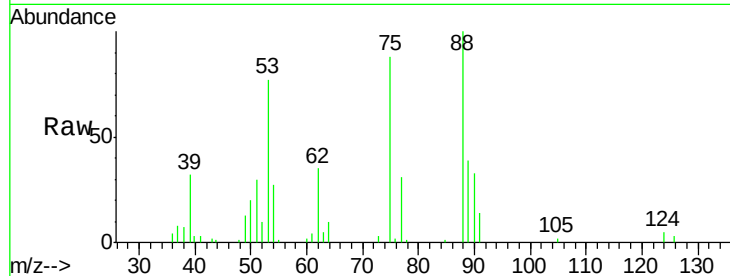




#81
trans-1,4-Dichloro-2-butene
Concen: 19.577 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

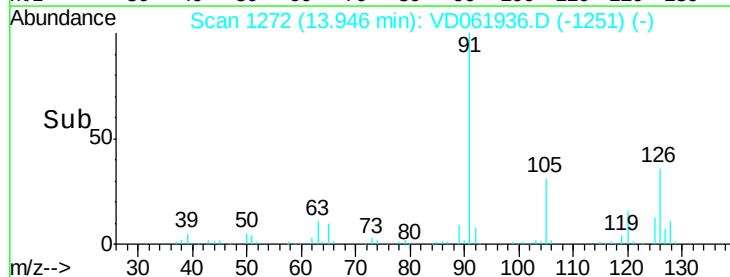
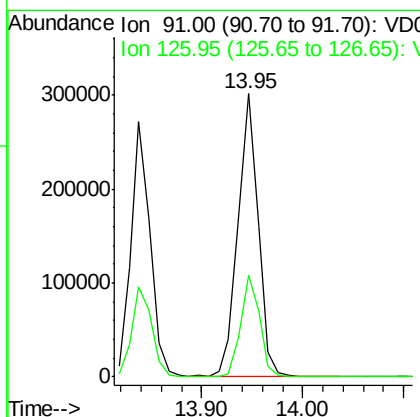
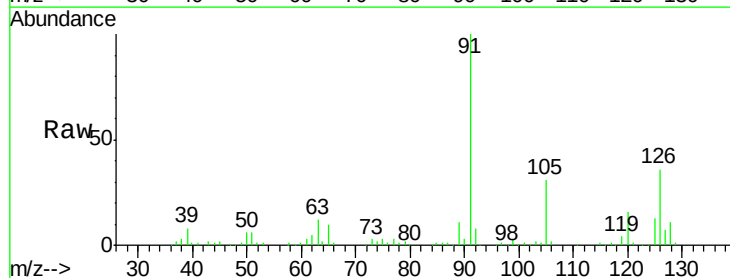
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

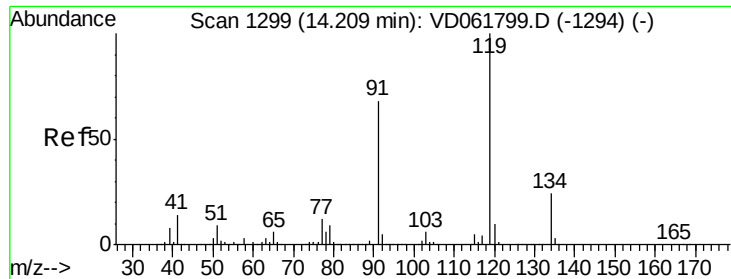
Tot Ion: 75 Resp: 28794
Ion Ratio Lower Upper
75 100
53 87.8 65.8 98.8
89 44.2 35.0 52.6



#82
4-Chlorotoluene
Concen: 21.544 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 91 Resp: 419363
Ion Ratio Lower Upper
91 100
126 36.0 19.1 57.5

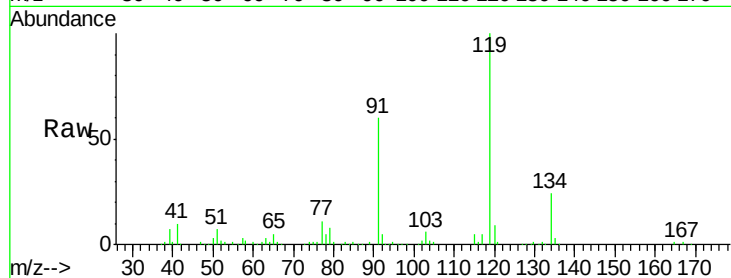




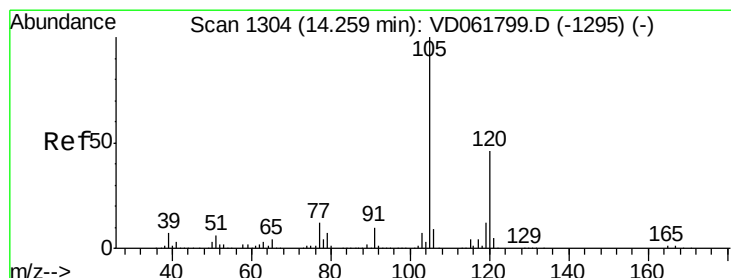
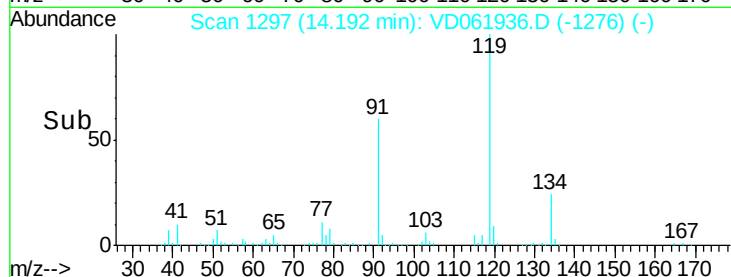
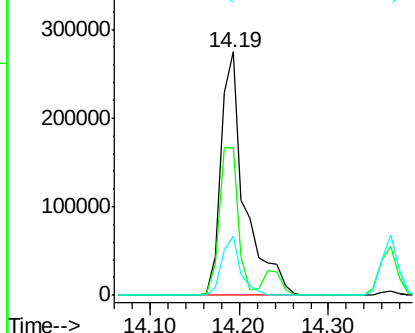
#83
 tert-Butylbenzene
 Concen: 21.871 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion:119 Resp: 513421
 Ion Ratio Lower Upper
 119 100
 91 60.4 34.2 102.6
 134 24.5 12.0 36.0

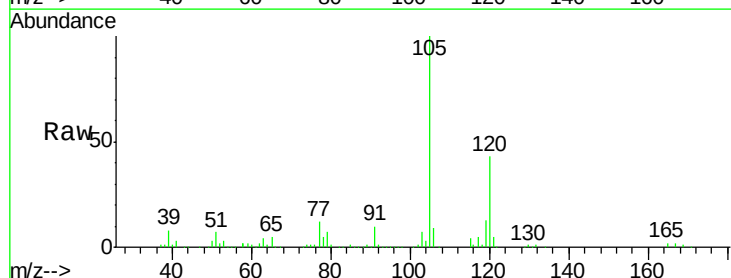


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

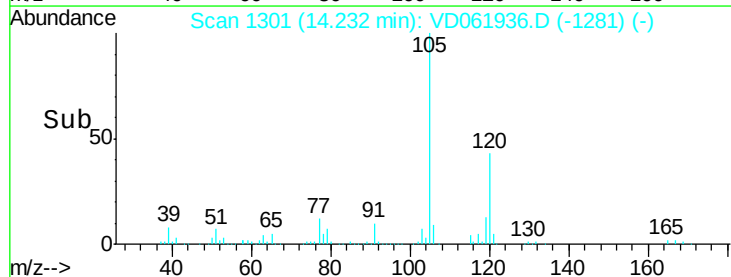
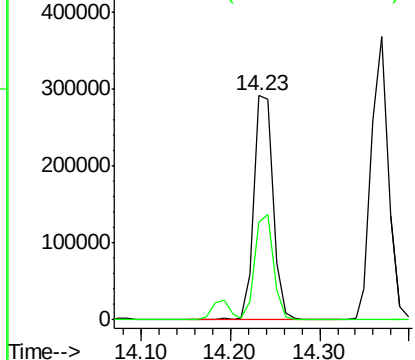


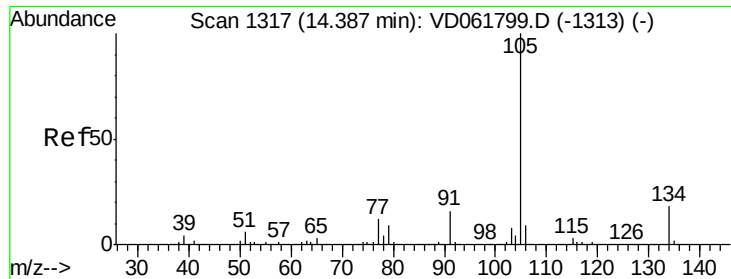
#84
 1,2,4-Trimethylbenzene
 Concen: 21.408 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion:105 Resp: 430218
 Ion Ratio Lower Upper
 105 100
 120 43.5 23.1 69.2



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

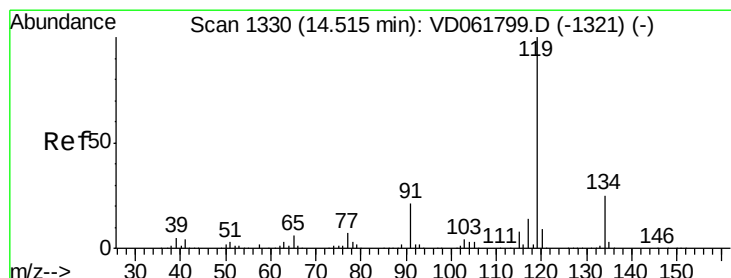
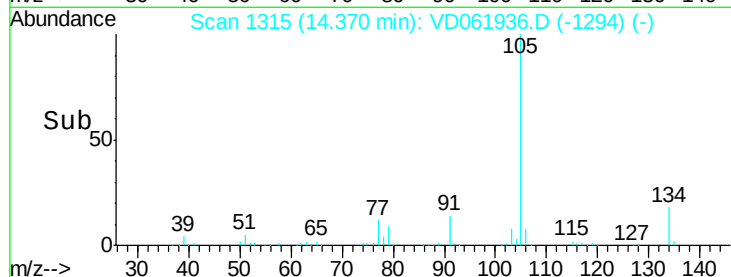
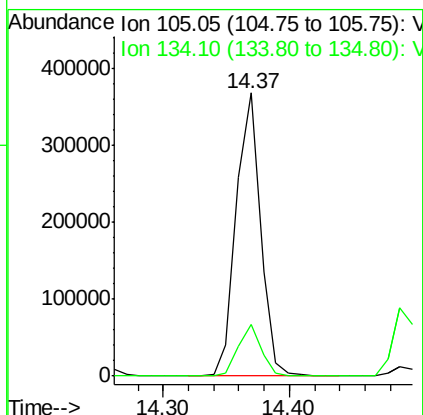
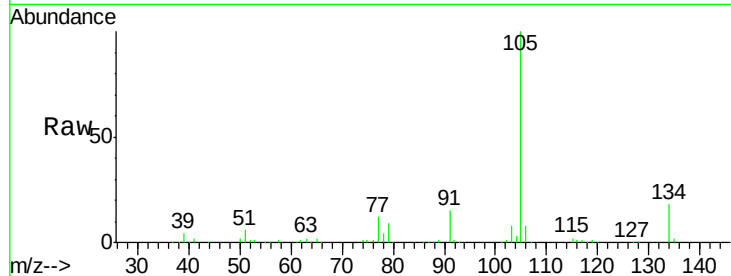




#85
 sec-Butylbenzene
 Concen: 20.156 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

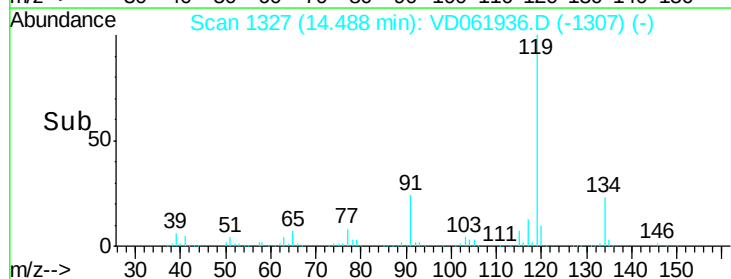
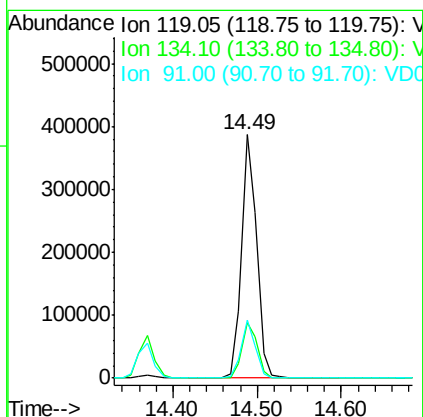
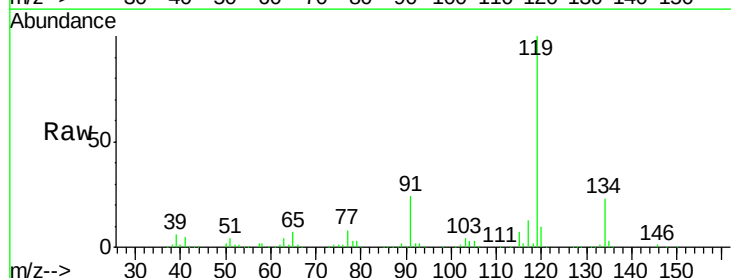
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

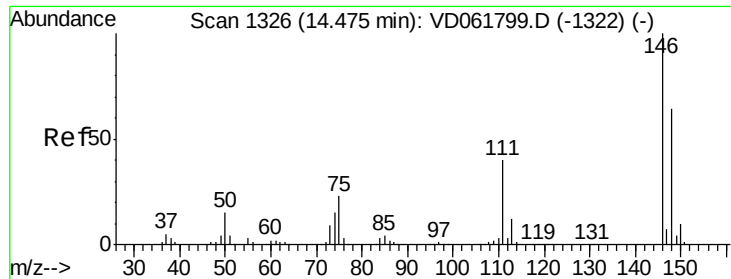
Tot Ion:105 Resp: 489144
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 21.193 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion:119 Resp: 481207
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.8 38.3
 91 24.1 10.7 32.1

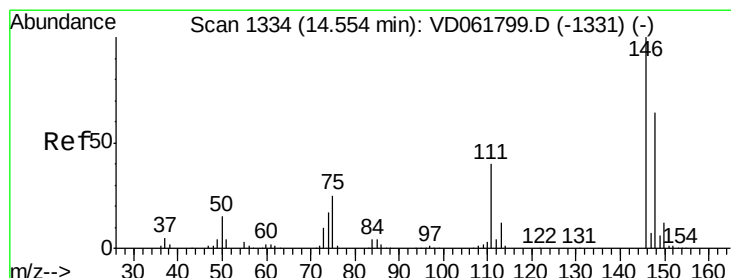
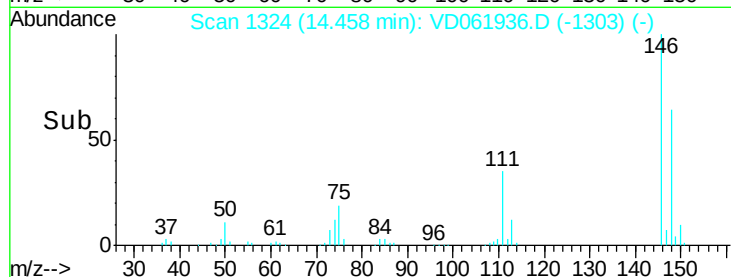
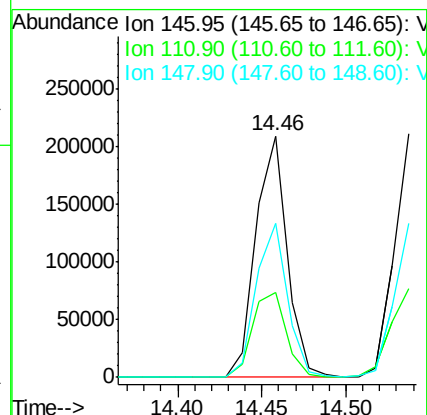
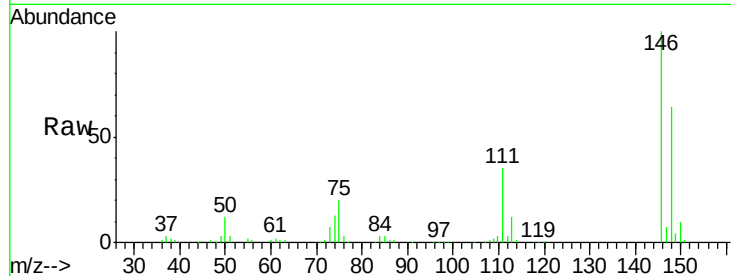




#87
 1,3-Dichlorobenzene
 Concen: 21.662 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

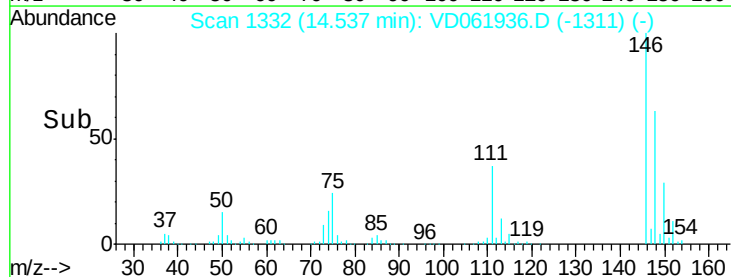
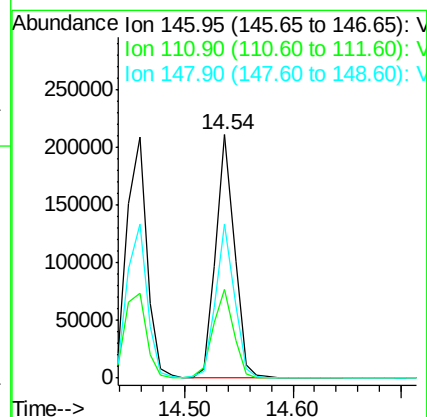
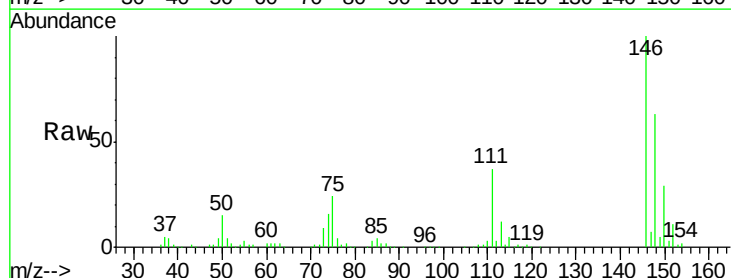
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

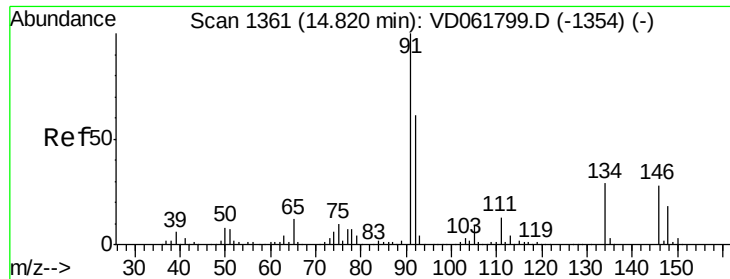
Tot Ion:146 Resp: 270674
 Ion Ratio Lower Upper
 146 100
 111 35.2 20.0 60.0
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.879 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion:146 Resp: 257892
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.2 60.5
 148 63.5 32.0 96.2

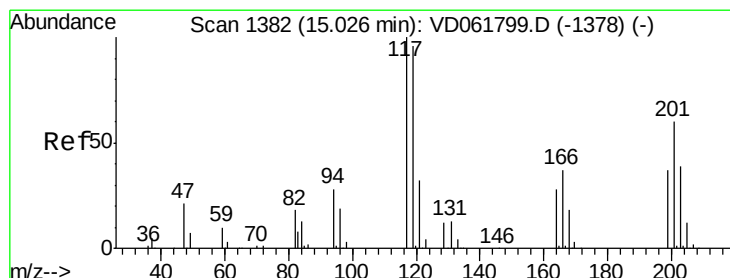
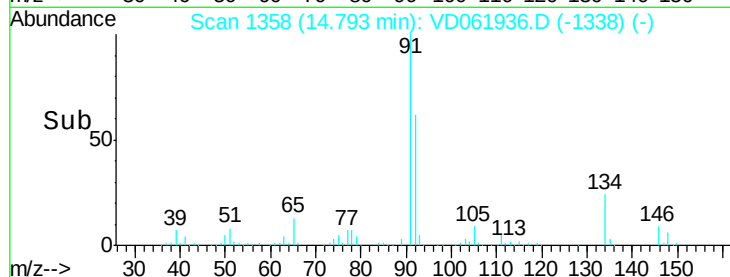
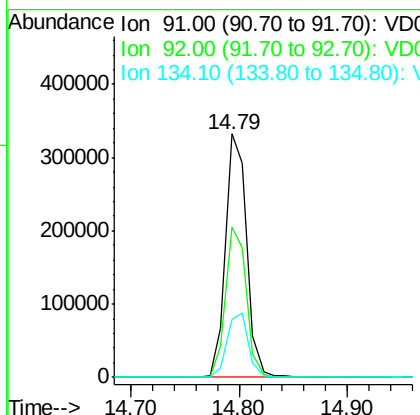
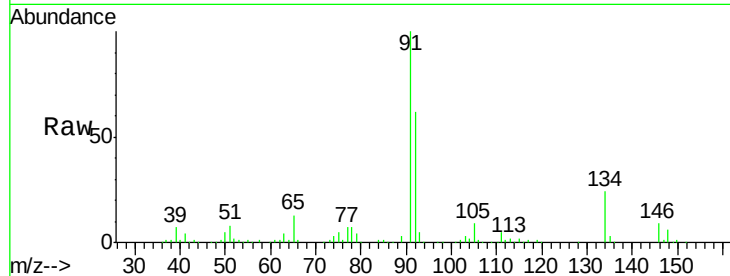




#89
n-Butylbenzene
Concen: 22.451 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

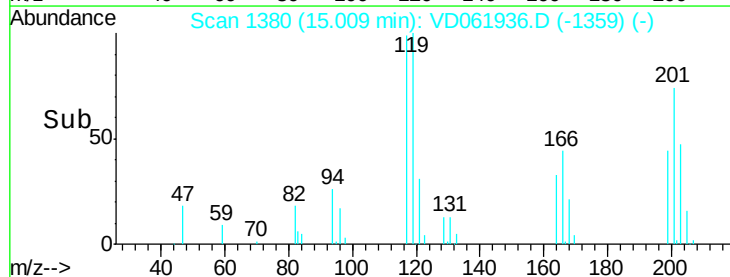
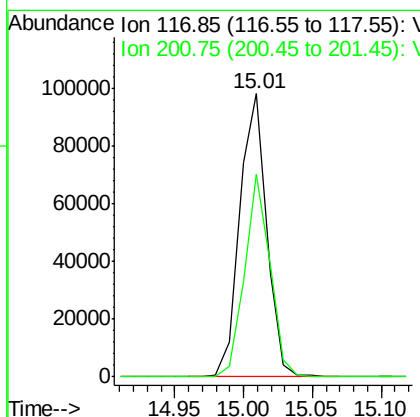
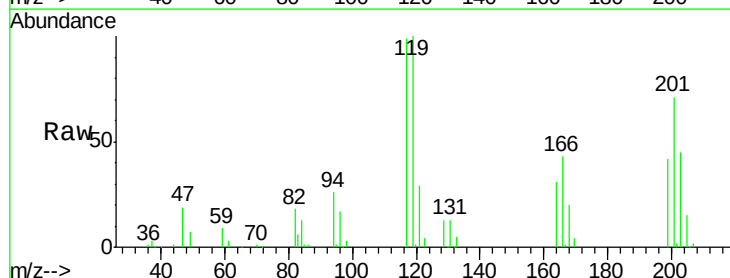
Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

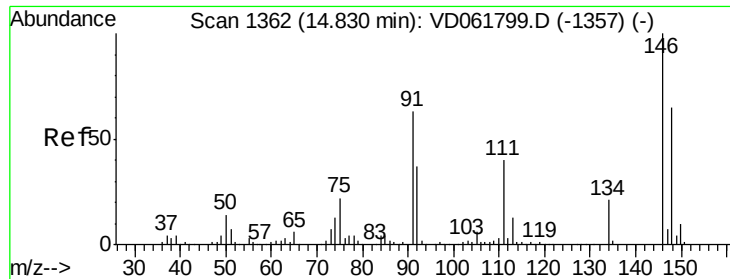
Tot Ion: 91 Resp: 451231
Ion Ratio Lower Upper
91 100
92 61.6 30.3 91.0
134 24.0 14.5 43.6



#90
Hexachloroethane
Concen: 21.558 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion: 117 Resp: 133416
Ion Ratio Lower Upper
117 100
201 71.7 30.2 90.6

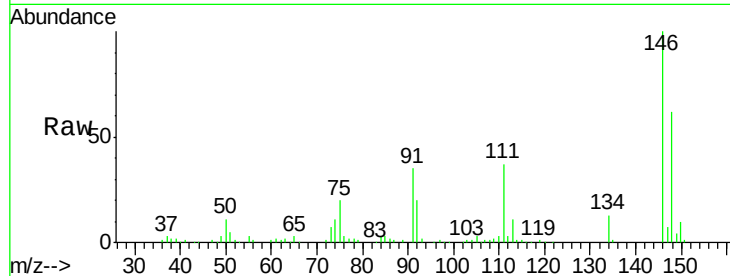




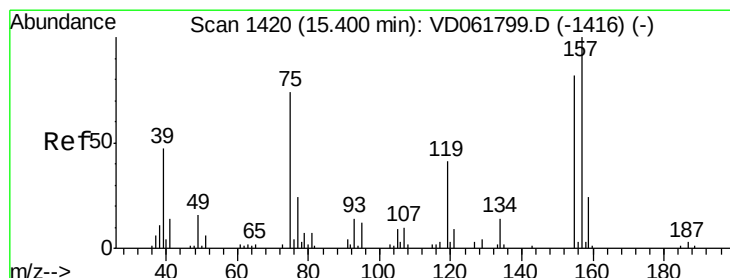
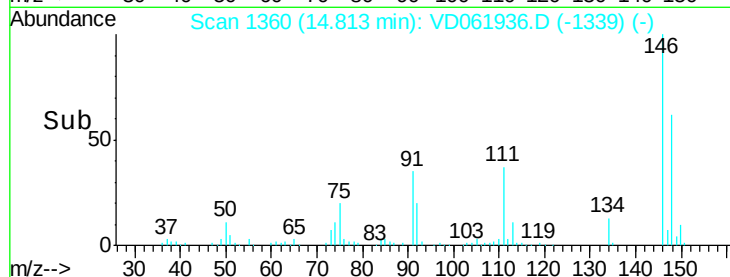
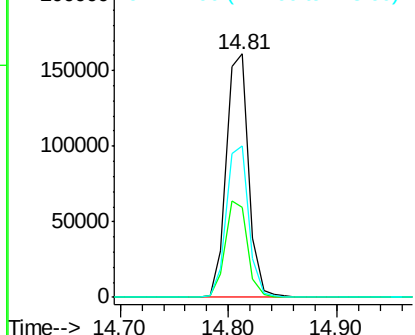
#91
 1,2-Dichlorobenzene
 Concen: 22.316 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBSD01

Tot Ion:146 Resp: 233566
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.0 59.9
 148 62.4 32.3 96.8

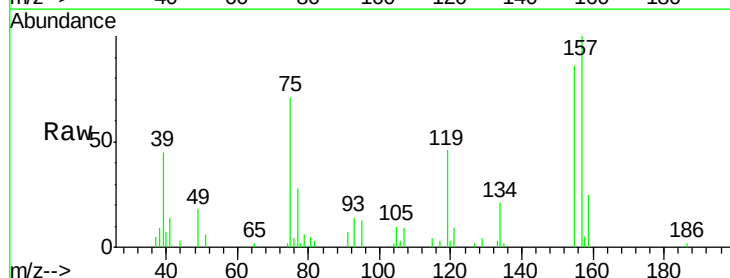


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

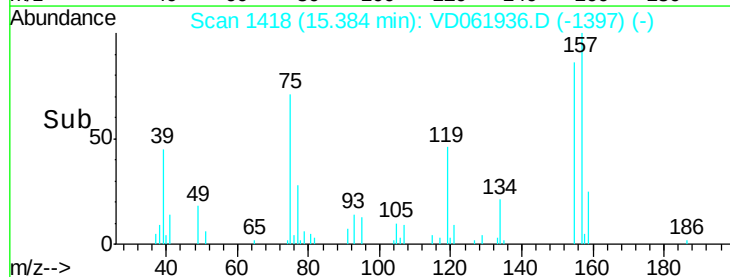
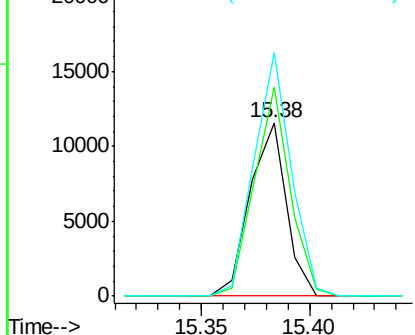


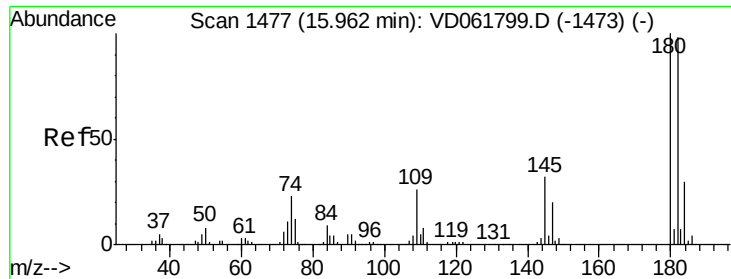
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.513 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion: 75 Resp: 13593
 Ion Ratio Lower Upper
 75 100
 155 120.1 55.3 165.8
 157 140.2 67.8 203.2



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

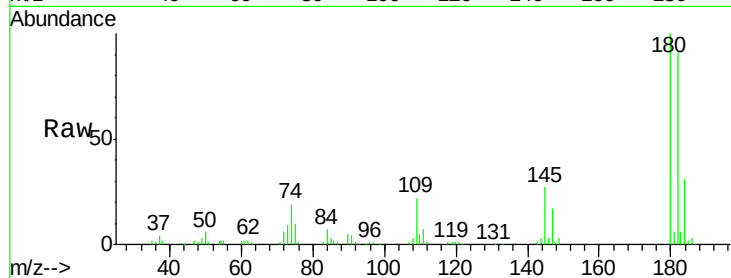




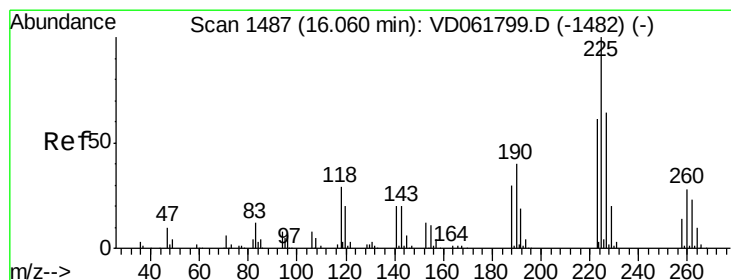
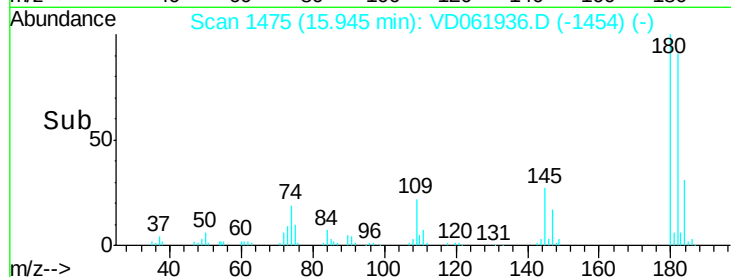
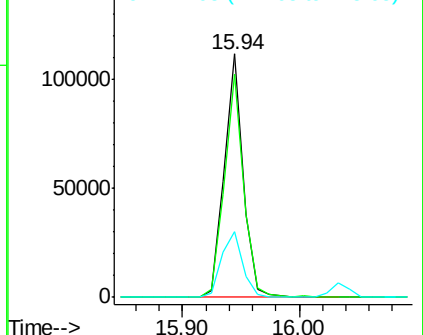
#93
 1,2,4-Trichlorobenzene
 Concen: 21.817 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0422SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	49.3	147.8
145	26.8	16.2	48.6

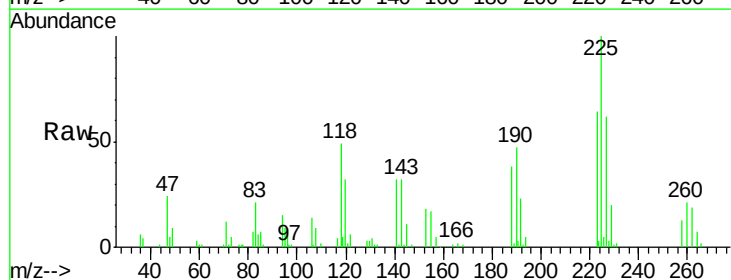


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

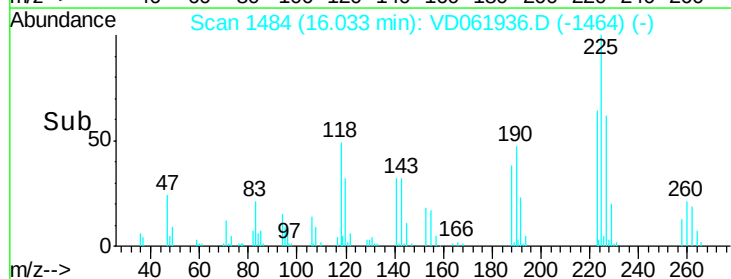
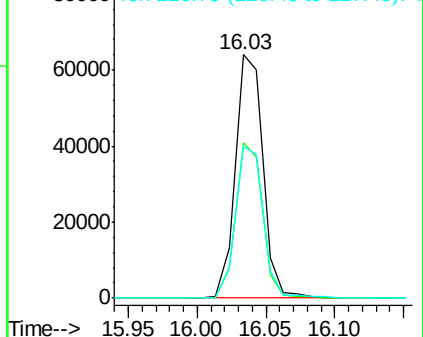


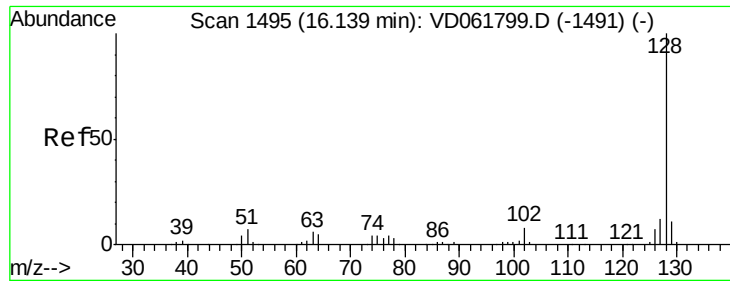
#94
 Hexachlorobutadiene
 Concen: 21.394 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061936.D
 Acq: 22 Apr 2019 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.6	92.0
227	62.3	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

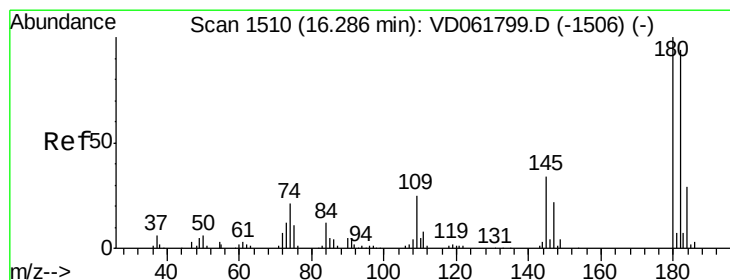
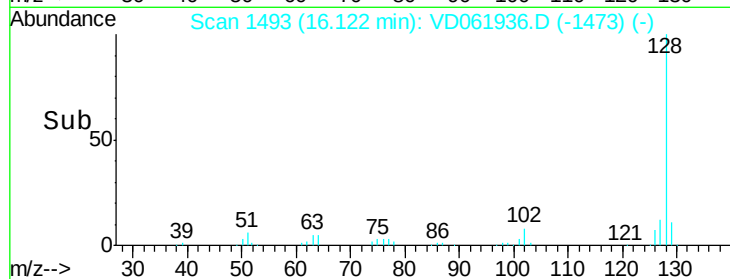
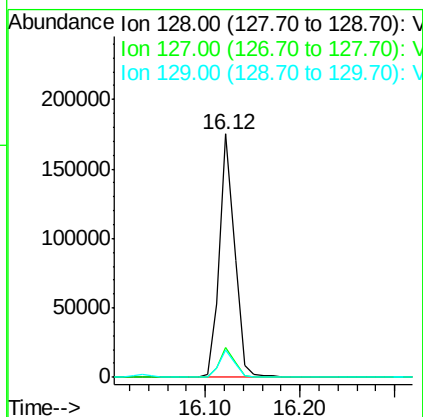
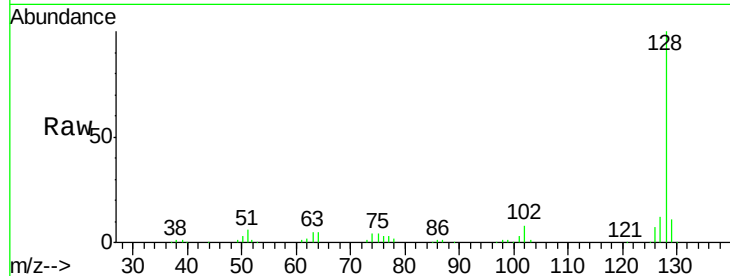




#95
Naphthalene
Concen: 22.110 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Instrument :
MSVOA_D
ClientSampleId :
VD0422SBSD01

Tot Ion:128 Resp: 194810
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.714 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061936.D
Acq: 22 Apr 2019 14:02

Tgt Ion:180 Resp: 71134
Ion Ratio Lower Upper
180 100
182 89.5 47.0 141.0
145 31.3 17.0 51.0

