

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061436.D
 Acq On : 29 Mar 2019 18:14
 Operator : VA/AP
 Sample : K2112-04RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 23:46:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	78362	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	149072	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	124621	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	57396	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	61547	91.94	ug/l	0.02
Spiked Amount			Recovery	=	183.88%	
35) Dibromofluoromethane	6.93	113	65793	57.75	ug/l	0.03
Spiked Amount			Recovery	=	115.50%	
50) Toluene-d8	10.41	98	135055	49.43	ug/l	0.02
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	13.61	95	9896	9.44	ug/l	0.06
Spiked Amount			Recovery	=	18.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	4.24	53	189	1.306	ug/l #	18
16) Acetone	3.22	43	10018	58.217	ug/l	94
17) Carbon Disulfide	3.39	76	9645	3.529	ug/l	98
20) Methylene Chloride	3.83	84	12333	11.308	ug/l	87
24) 1,1-Dichloroethane	5.01	63	2479	1.699	ug/l #	86
25) 2-Butanone	6.08	43	221	1.021	ug/l #	54
31) Cyclohexane	6.97	56	5697	4.941	ug/l #	65
32) 1,1,1-Trichloroethane	6.87	97	2805	2.109	ug/l	91
36) 1,1-Dichloropropene	7.05	75	5092	3.914	ug/l #	38
38) Carbon Tetrachloride	7.05	117	7200	4.816	ug/l #	10
39) Methylcyclohexane	8.86	83	21187	15.636	ug/l #	71
42) 1,2-Dichloroethane	7.57	62	3393	3.474	ug/l	73
43) Isopropyl Acetate	9.29	43	8739	10.794	ug/l #	42
44) Trichloroethene	8.55	130	3061	2.519	ug/l	86
47) Bromodichloromethane	9.33	83	1630	1.303	ug/l #	24
48) Methyl methacrylate	9.15	41	3006	6.728	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	821	1.667	ug/l #	35
52) Toluene	10.52	92	32802	16.466	ug/l	93
55) 1,1,2-Trichloroethane	11.25	97	2055	2.950	ug/l #	41
56) Ethyl methacrylate	11.10	69	9752	13.030	ug/l #	1
59) 2-Hexanone	11.49	43	67012	187.777	ug/l #	30
64) Tetrachloroethene	11.26	164	1287	1.316	ug/l #	91
67) Ethyl Benzene	12.53	91	52232	13.436	ug/l	96
68) m/p-Xylenes	12.66	106	81047	55.038	ug/l	86
69) o-Xylene	13.05	106	67494	47.231	ug/l	93
70) Styrene	13.06	104	3049	1.224	ug/l #	1
73) Isopropylbenzene	13.40	105	14375	3.599	ug/l	100
74) N-amyl acetate	13.22	43	58975	52.997	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	13.67	83	3818	4.531	ug/l #	51
78) n-propylbenzene	13.78	91	30614	6.262	ug/l	94
79) 2-Chlorotoluene	13.84	91	26507	9.986	ug/l #	36
80) 1,3,5-Trimethylbenzene	13.93	105	87638	28.275	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.55	75	21201	83.867	ug/l #	31
82) 4-Chlorotoluene	13.93	91	9257	3.207	ug/l #	47

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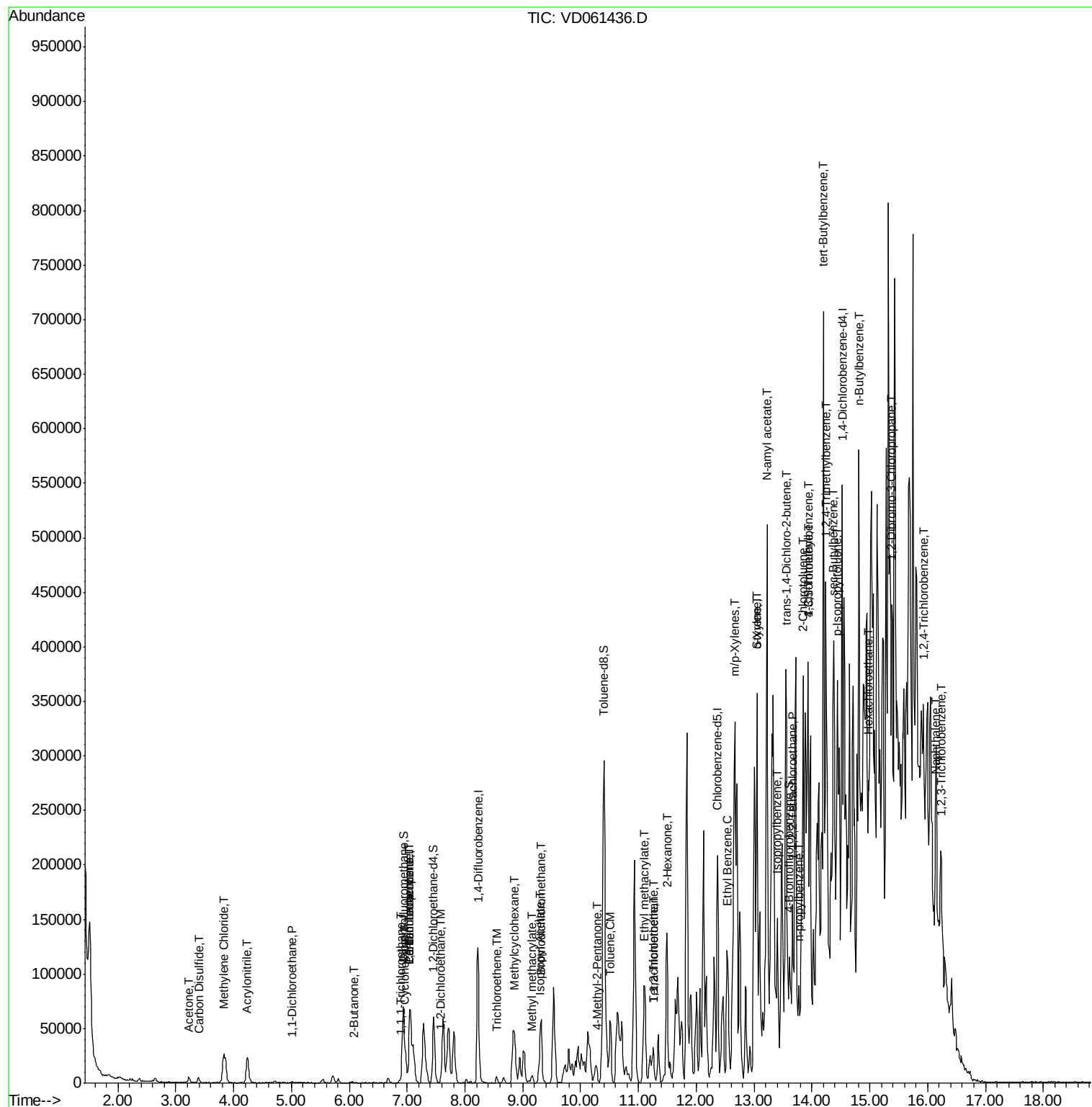
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	14.19	119	5757	1.486	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	119347	35.567	ug/l	100
85) sec-Butylbenzene	14.37	105	20402	4.958	ug/l	97
86) p-Isopropyltoluene	14.44	119	13744	3.950	ug/l	90
89) n-Butylbenzene	14.80	91	21454	6.718	ug/l	91
90) Hexachloroethane	14.98	117	4583	4.662	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	15.38	75	243	2.459	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	1524	2.034	ug/l #	1
95) Naphthalene	16.13	128	4242	3.714	ug/l #	62
96) 1,2,3-Trichlorobenzene	16.25	180	1946	5.902	ug/l #	1

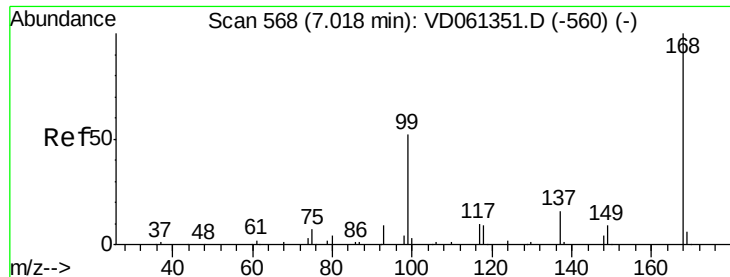
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

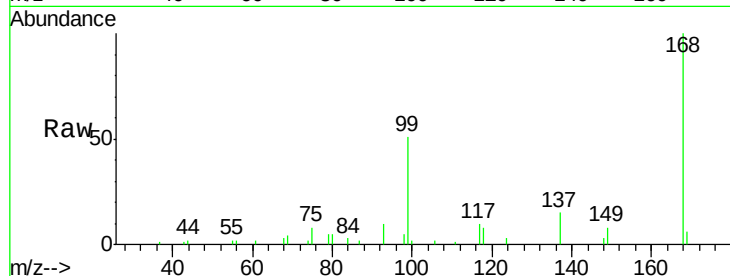
ClientSampleId :

Tot Ion:168 Resp: 78362

Ion Ratio Lower Upper

168 100

99 51.4 43.1 64.7

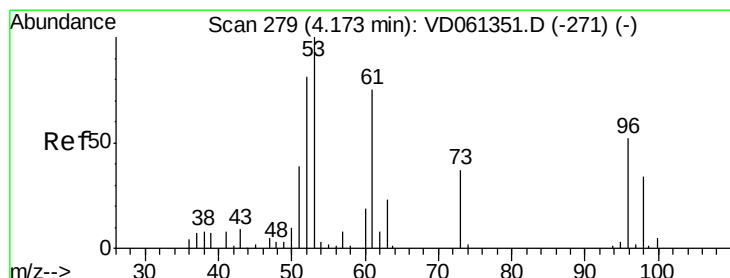
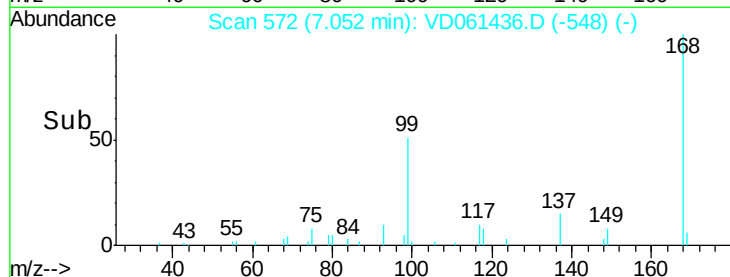


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

Time--> 6.90 7.00 7.10 7.20



#15

Acrylonitrile

Concen: 1.306 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.06 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

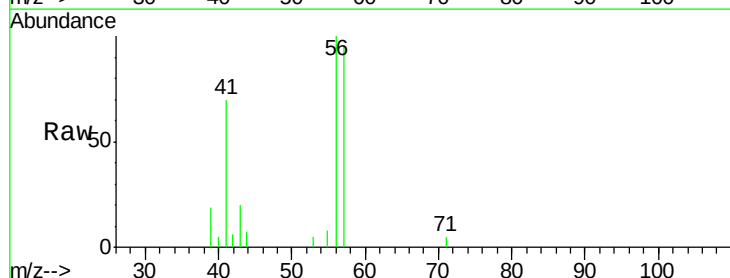
Tgt Ion: 53 Resp: 189

Ion Ratio Lower Upper

53 100

52 0.0 64.8 97.2#

51 0.0 31.4 47.2#



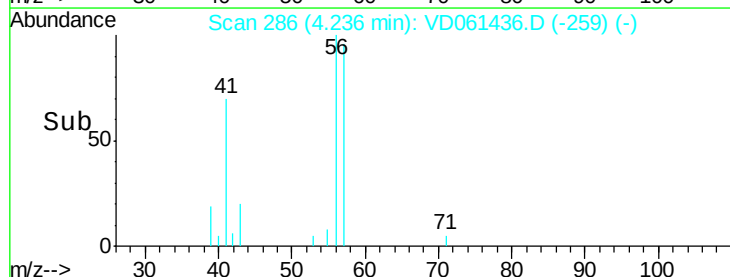
Abundance Ion 53.00 (52.70 to 53.70): VDC

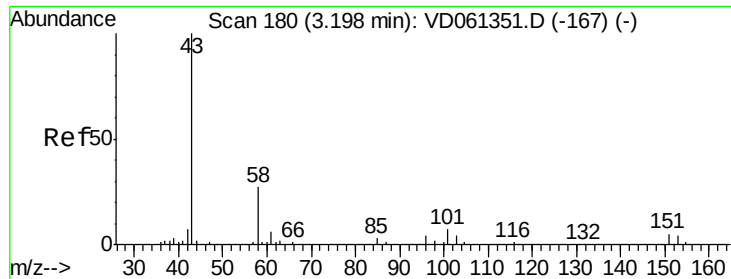
Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

4.24

Time--> 4.20 4.22 4.24 4.26





#16

Acetone

Concen: 58.217 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

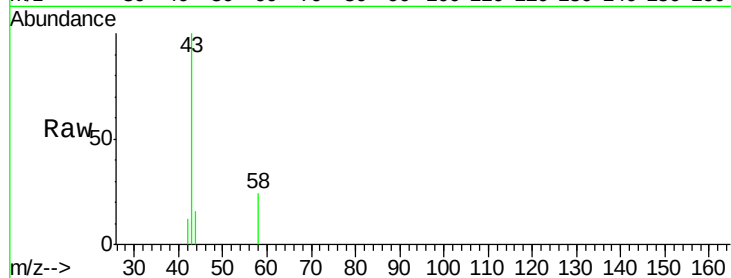
ClientSampleId :

Tot Ion: 43 Resp: 10018

Ion Ratio Lower Upper

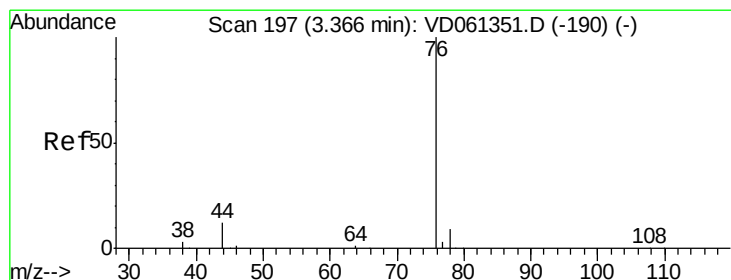
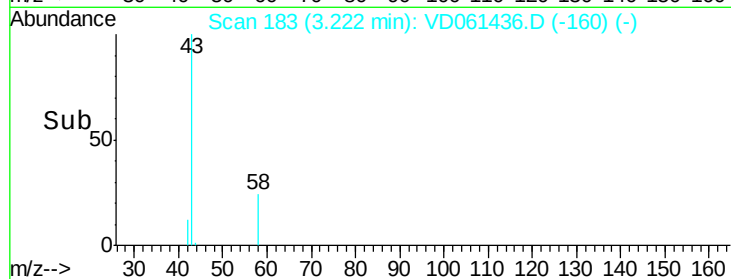
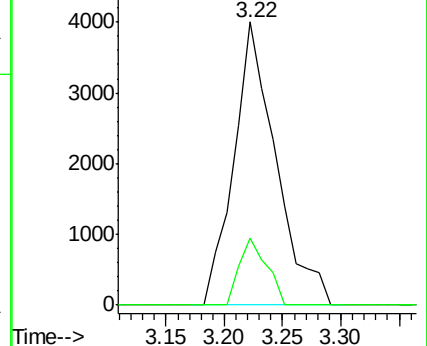
43 100

58 23.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 3.529 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD061436.D

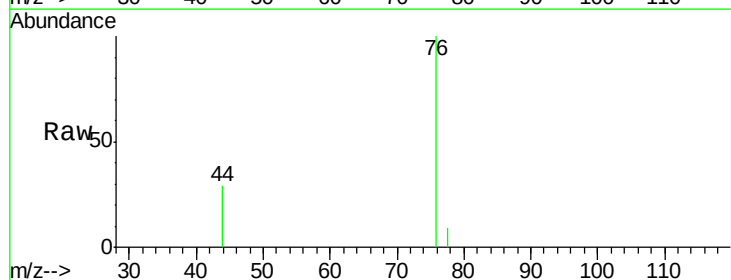
Acq: 29 Mar 2019 18:14

Tgt Ion: 76 Resp: 9645

Ion Ratio Lower Upper

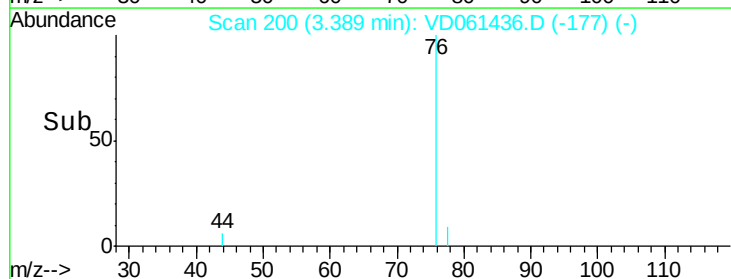
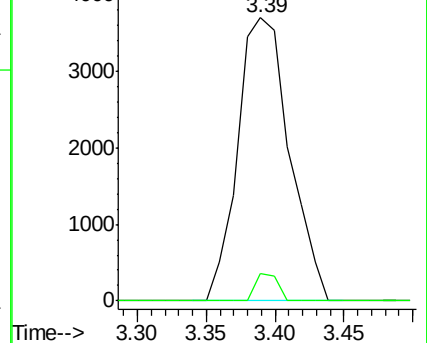
76 100

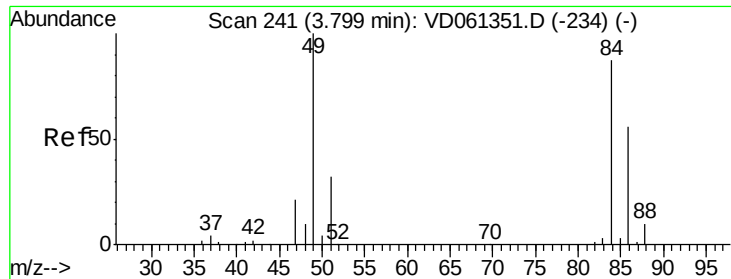
78 9.5 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

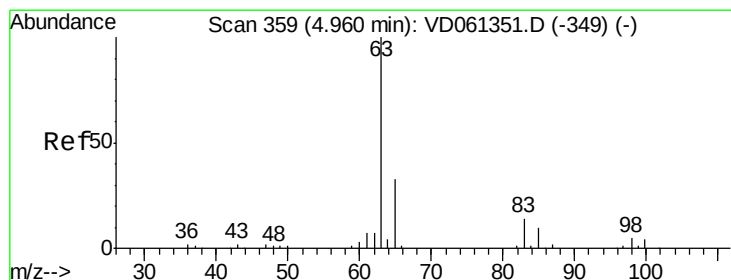
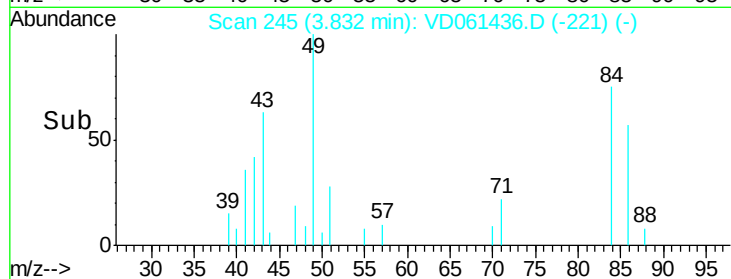
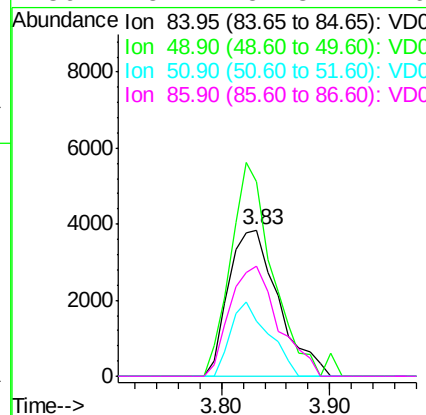
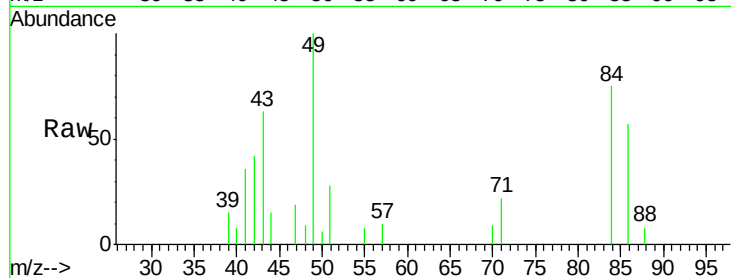




#20
Methylene Chloride
Concen: 11.308 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

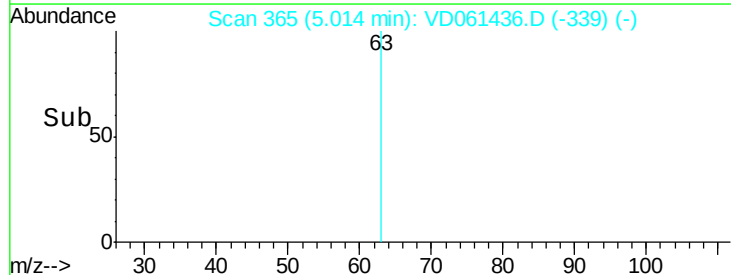
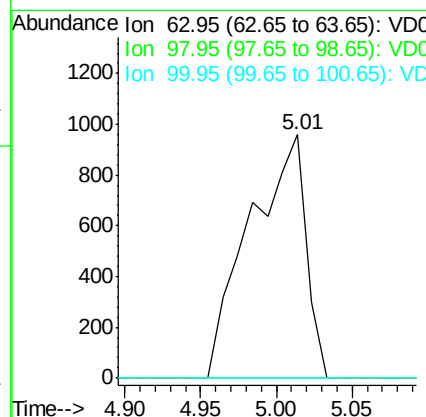
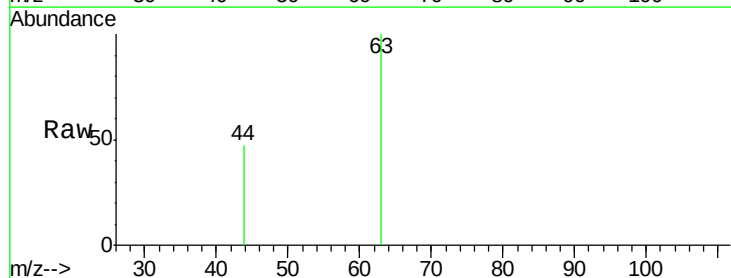
Instrument :
MSVOA_D
ClientSampleId :

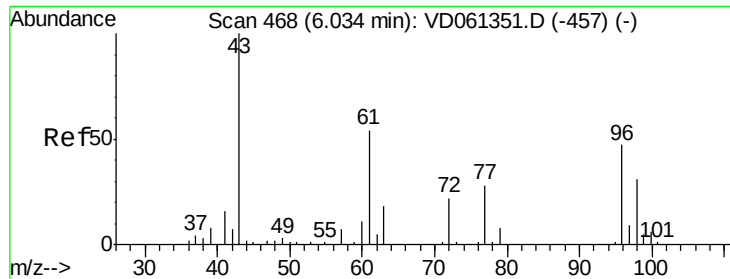
Tot Ion:	84	Resp:	12333
Ion	Ratio	Lower	Upper
84	100		
49	132.8	91.8	137.8
51	37.4	29.8	44.8
86	75.2	51.8	77.6



#24
1,1-Dichloroethane
Concen: 1.699 ug/l
RT: 5.01 min Scan# 365
Delta R.T. 0.05 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion:	63	Resp:	2479
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	8.0#
100	0.0	1.8	5.3#





#25

2-Butanone

Concen: 1.021 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

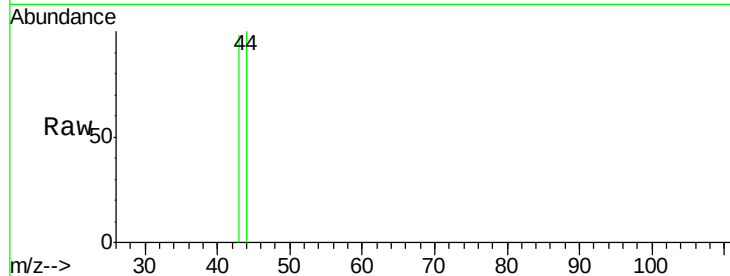
ClientSampleId :

Tot Ion: 43 Resp: 221

Ion Ratio Lower Upper

43 100

72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

400

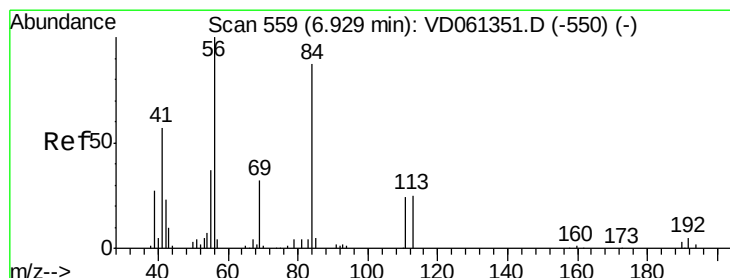
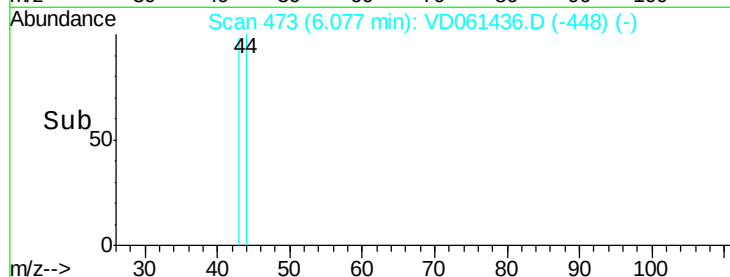
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 4.941 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

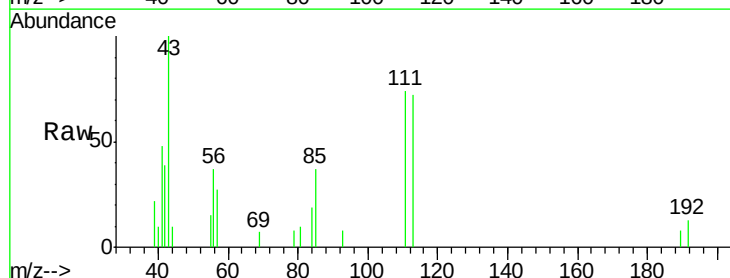
Tgt Ion: 56 Resp: 5697

Ion Ratio Lower Upper

56 100

69 18.2 25.7 38.5#

84 51.6 70.6 105.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

4000

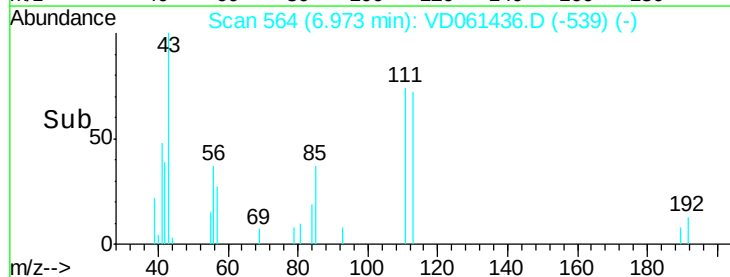
3000

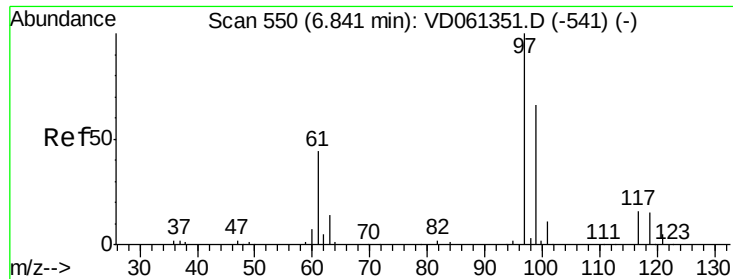
2000

1000

0

Time-->





#32

1,1,1-Trichloroethane

Concen: 2.109 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

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ClientSampleId :

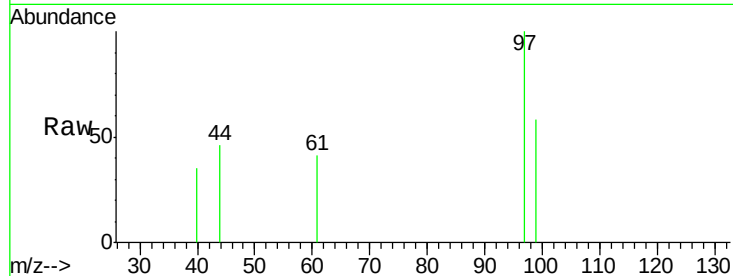
Tot Ion: 97 Resp: 2805

Ion Ratio Lower Upper

97 100

99 57.5 53.1 79.7

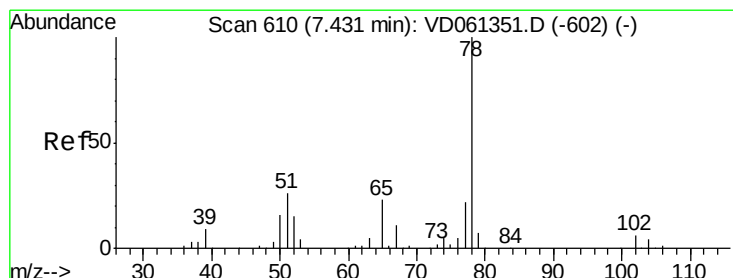
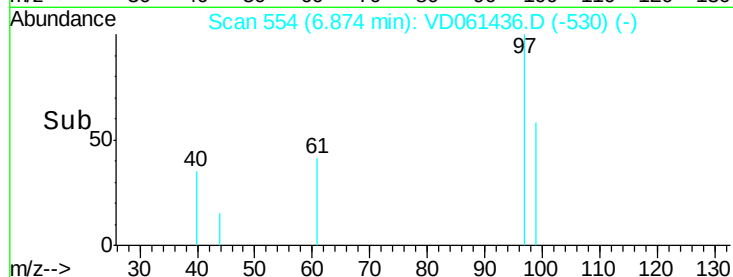
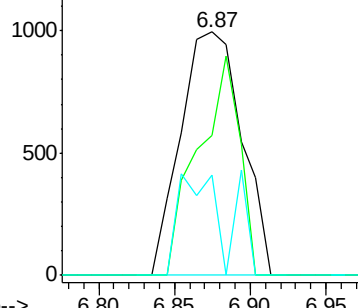
61 41.1 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 2.109 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061436.D

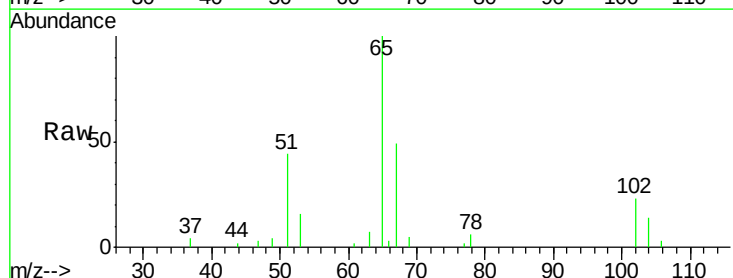
Acq: 29 Mar 2019 18:14

Tgt Ion: 65 Resp: 61547

Ion Ratio Lower Upper

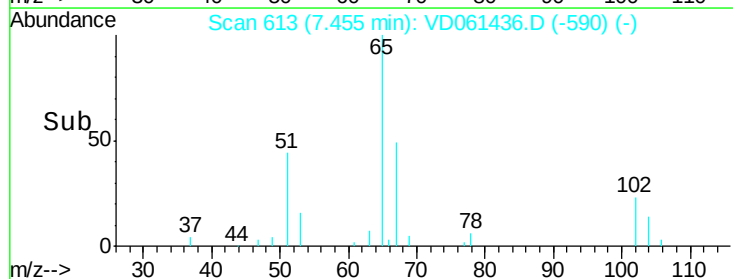
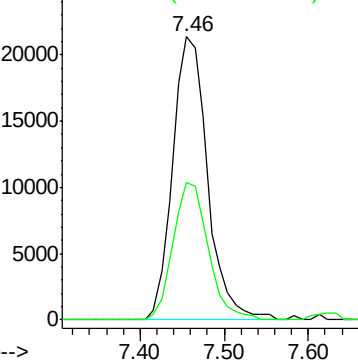
65 100

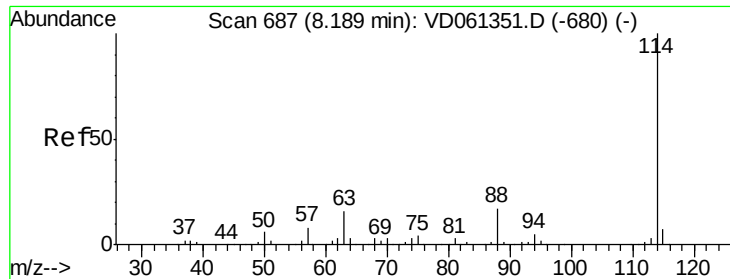
67 48.5 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

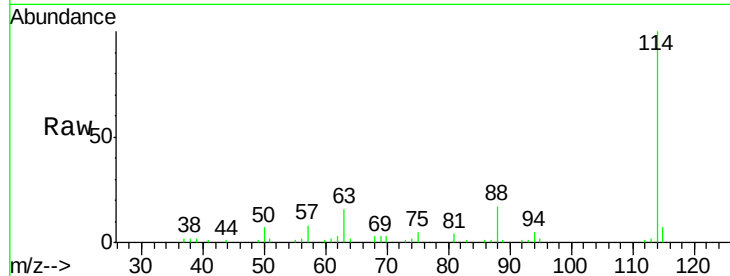
Delta R.T. 0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :

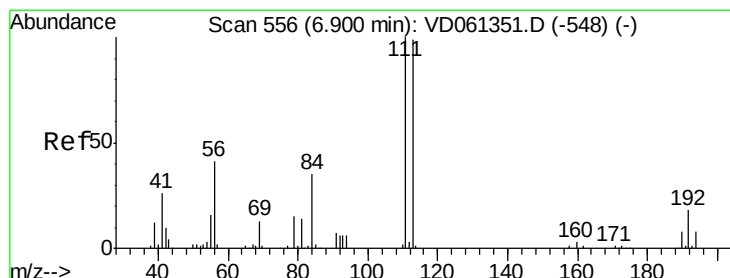
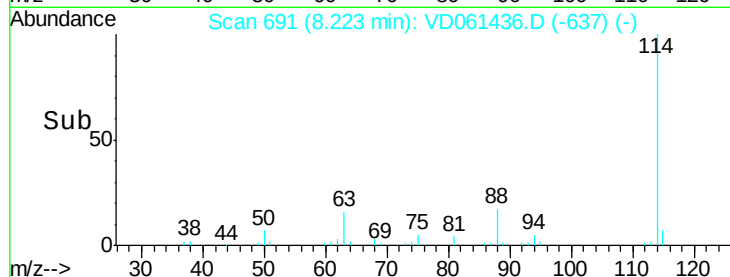
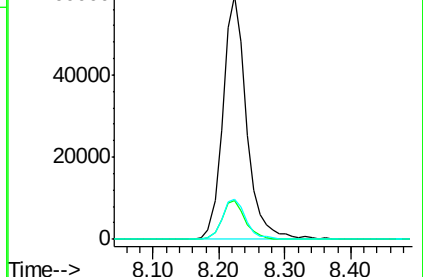
Tot Ion:114	Resp:	149072
Ion	Ratio	Lower Upper
114	100	
63	15.9	0.0 31.6
88	16.6	0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

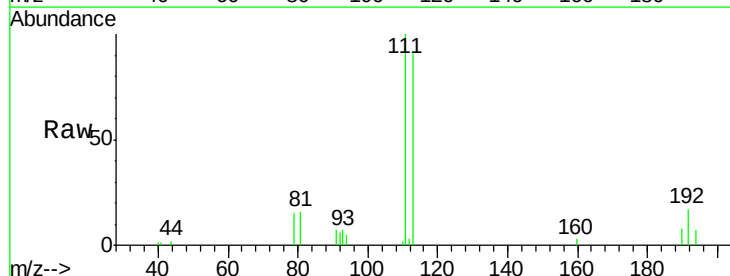
RT: 6.93 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

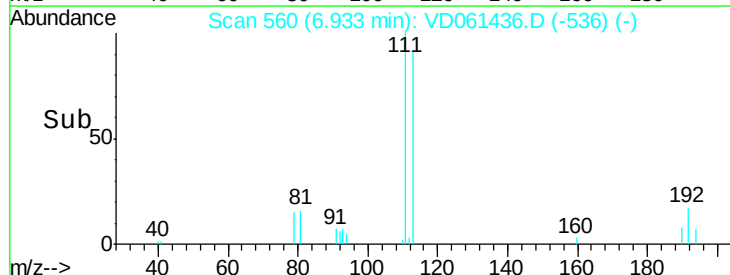
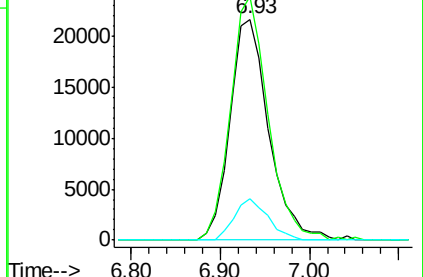
Tgt Ion:113	Resp:	65793
Ion	Ratio	Lower Upper
113	100	
111	110.2	81.0 121.6
192	19.0	14.4 21.6

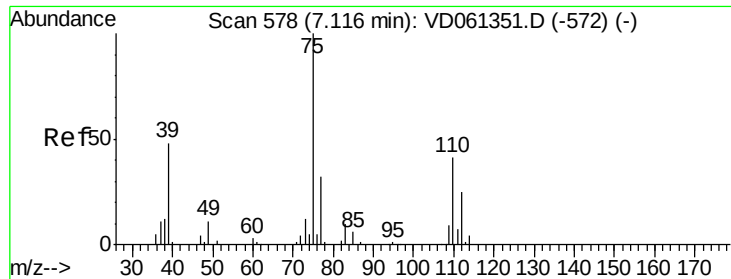


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

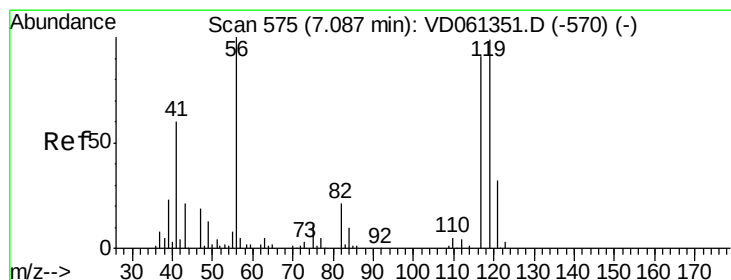
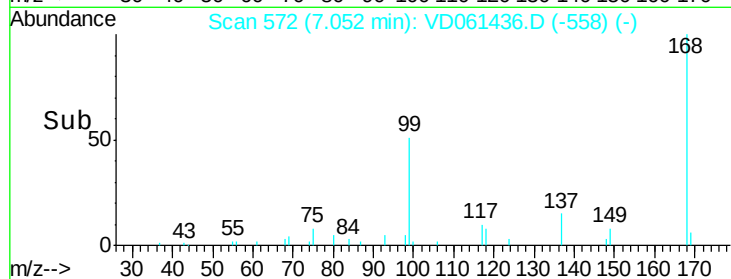
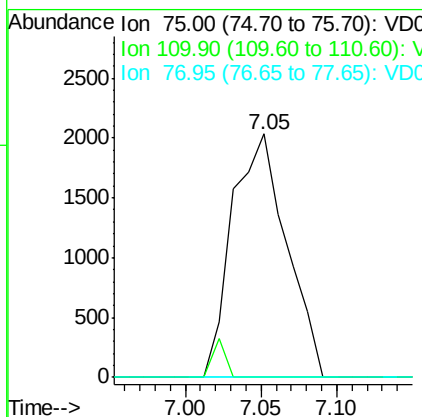
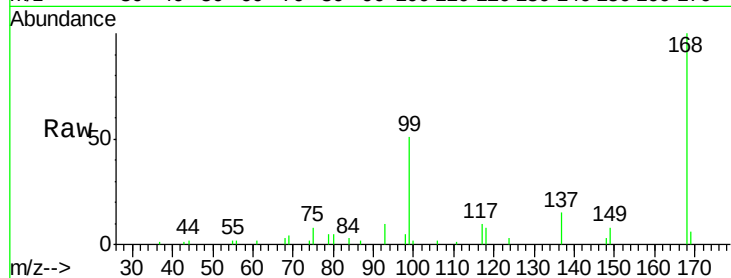




#36
 1,1-Dichloropropene
 Concen: 3.914 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

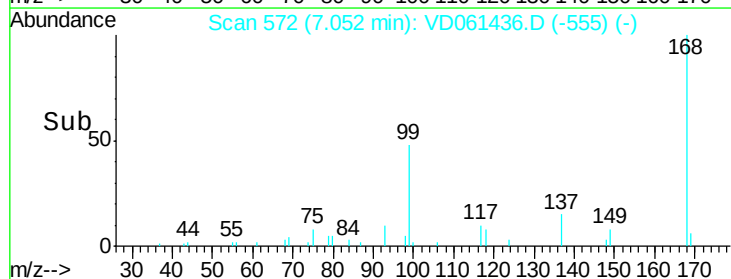
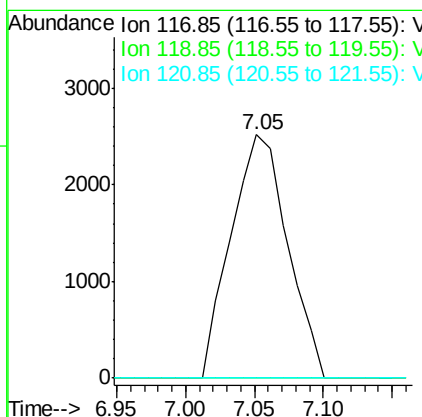
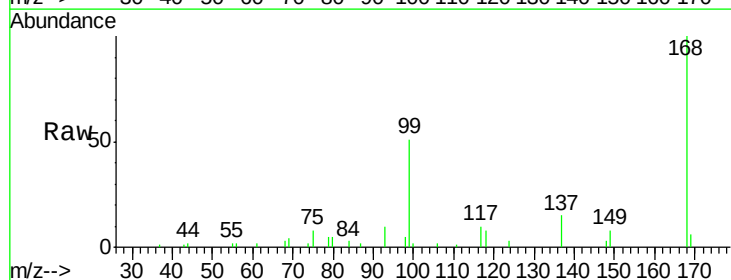
Instrument :
 MSVOA_D
 ClientSampleID :

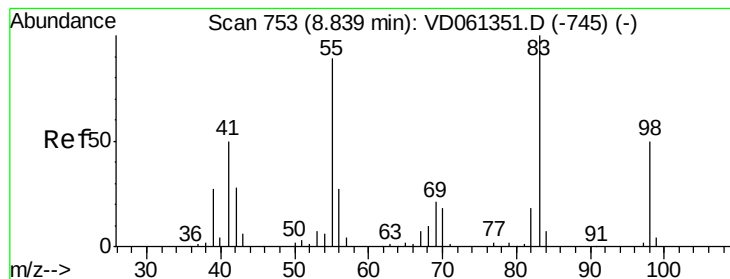
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.4	61.3#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.816 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	80.1	120.1#
121	0.0	25.6	38.4#





#39

Methylcyclohexane

Concen: 15.636 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.02 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

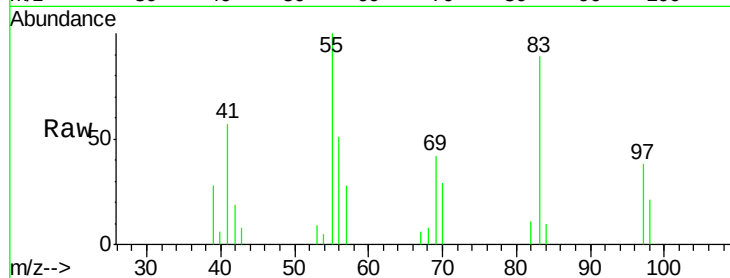
Tot Ion: 83 Resp: 21187

Ion Ratio Lower Upper

83 100

55 111.8 71.5 107.3#

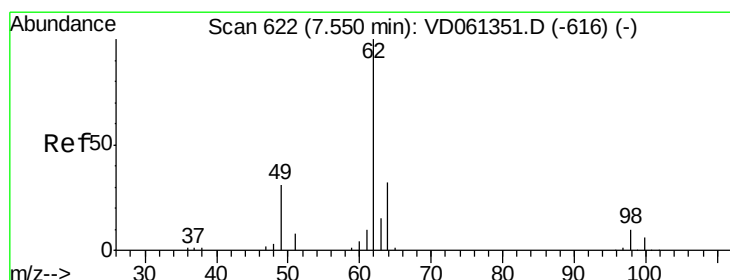
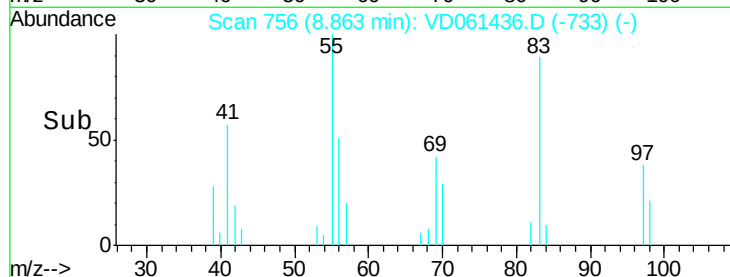
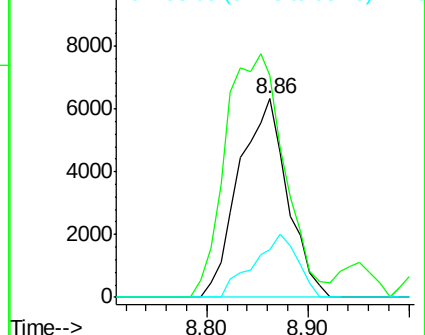
98 23.9 40.3 60.5#



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#42

1,2-Dichloroethane

Concen: 3.474 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD061436.D

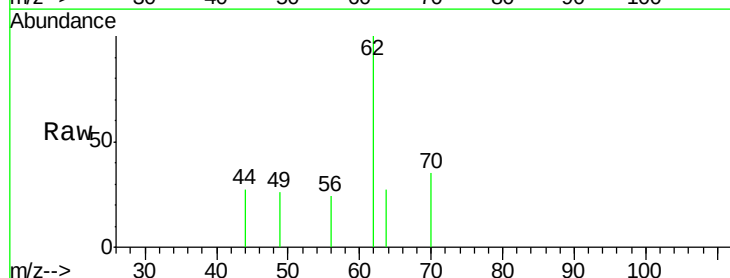
Acq: 29 Mar 2019 18:14

Tgt Ion: 62 Resp: 3393

Ion Ratio Lower Upper

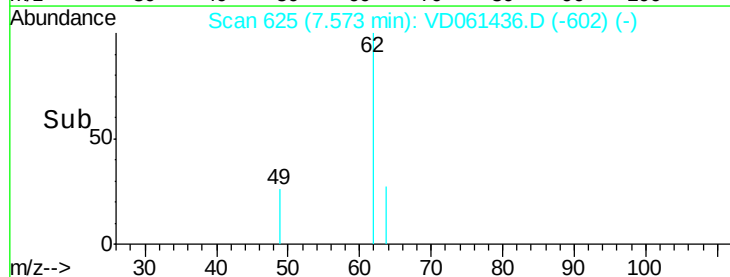
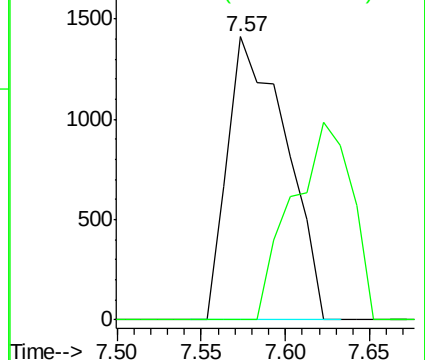
62 100

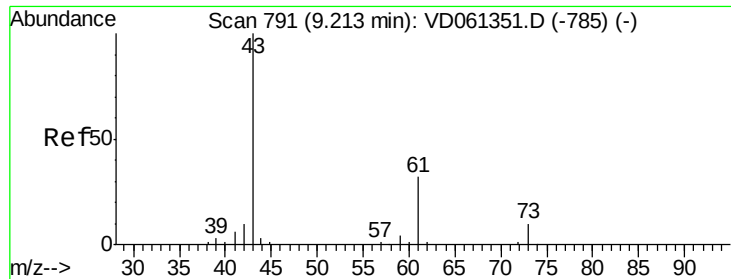
98 0.0 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 10.794 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.07 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

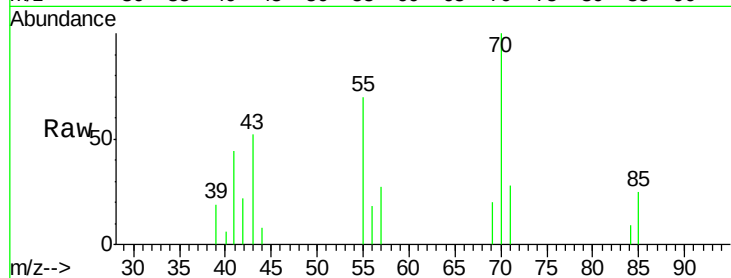
Tot Ion: 43 Resp: 8739

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

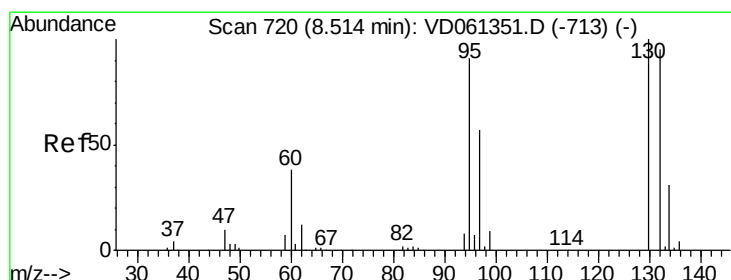
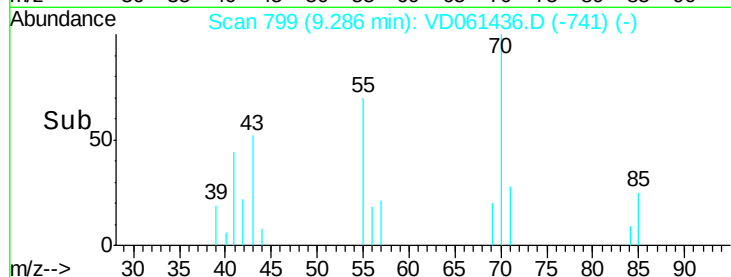
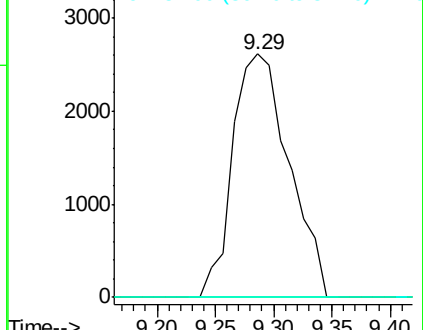
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 2.519 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD061436.D

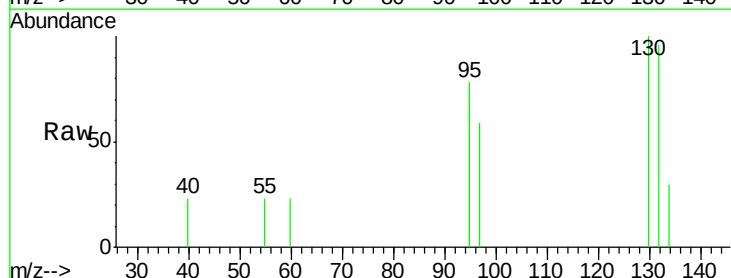
Acq: 29 Mar 2019 18:14

Tgt Ion:130 Resp: 3061

Ion Ratio Lower Upper

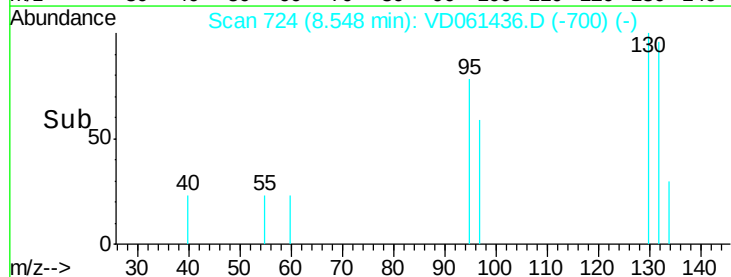
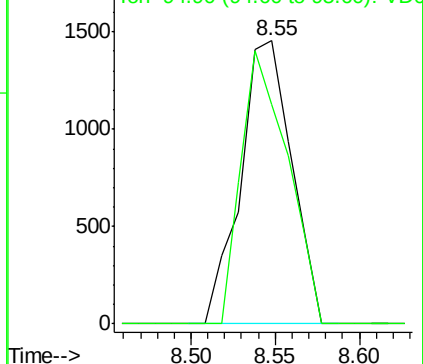
130 100

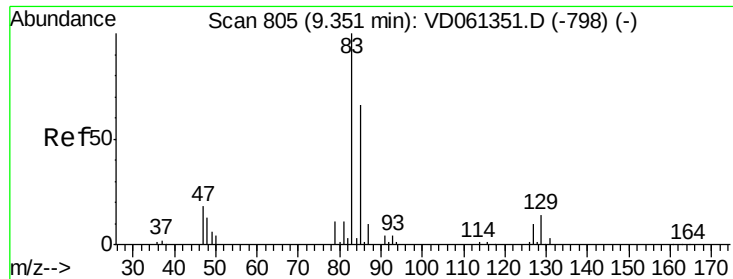
95 77.6 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#47

Bromodichloromethane

Concen: 1.303 ug/l

RT: 9.33 min Scan# 803

Delta R.T. -0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

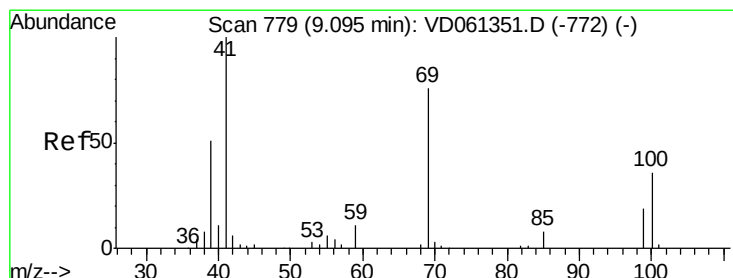
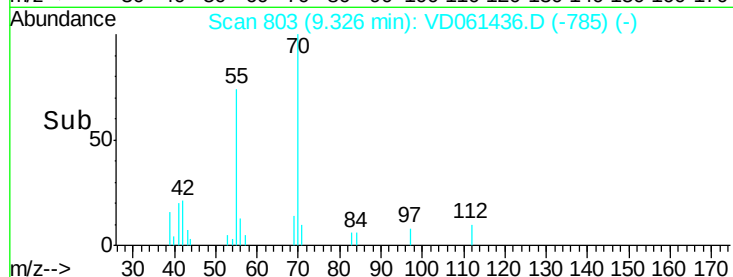
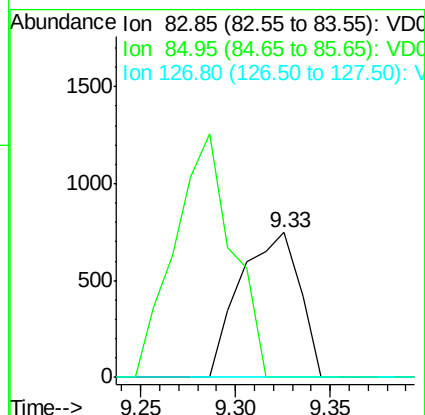
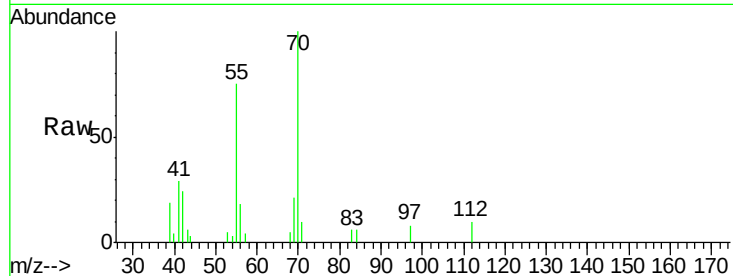
Tot Ion: 83 Resp: 1630

Ion Ratio Lower Upper

83 100

85 0.0 53.0 79.4#

127 0.0 8.4 12.6#



#48

Methyl methacrylate

Concen: 6.728 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.05 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

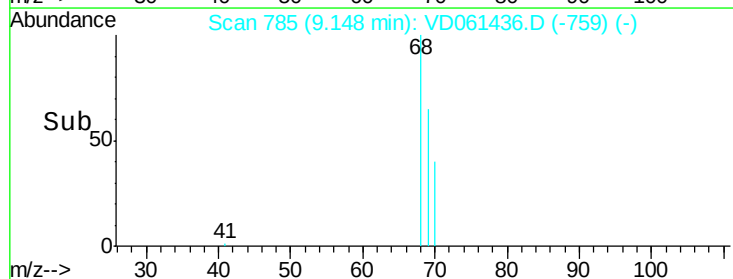
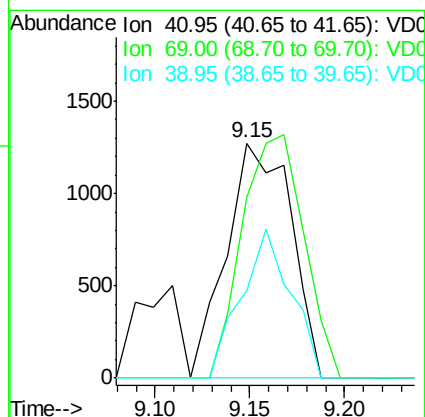
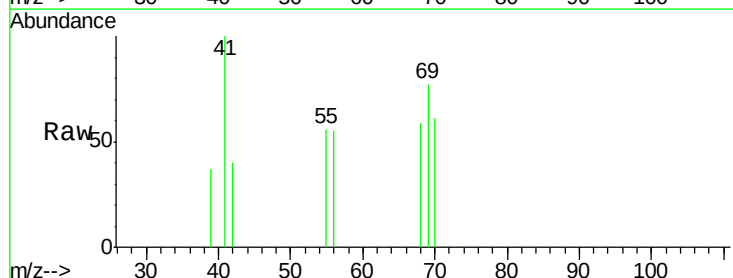
Tgt Ion: 41 Resp: 3006

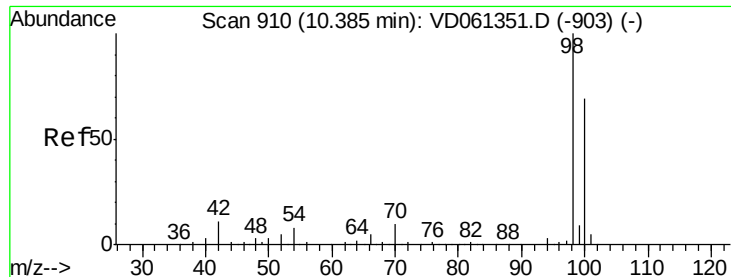
Ion Ratio Lower Upper

41 100

69 77.1 60.2 90.4

39 37.4 41.4 62.2#

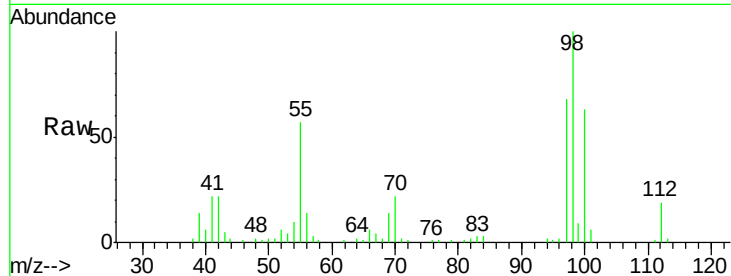




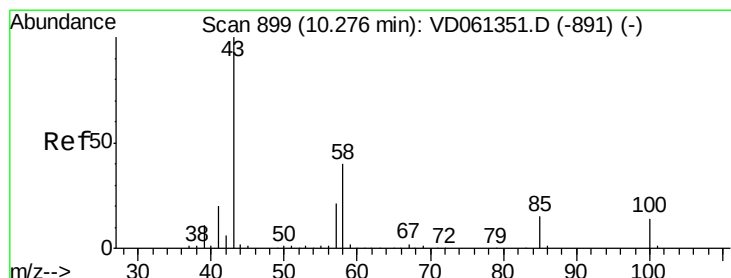
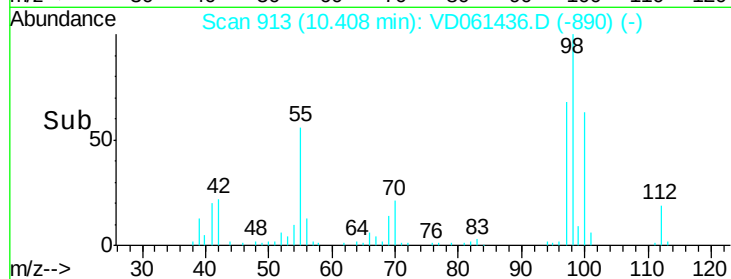
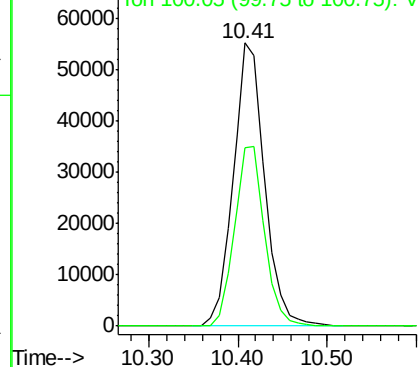
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 135055
Ion Ratio Lower Upper
98 100
100 63.1 56.2 84.2

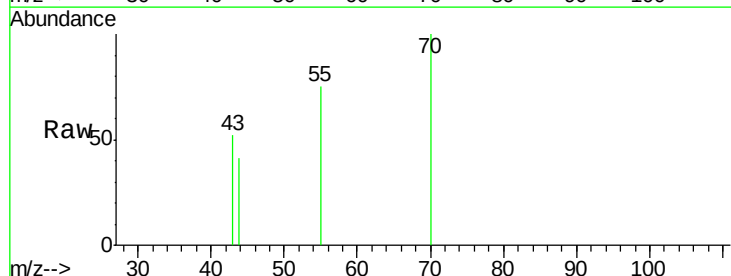


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

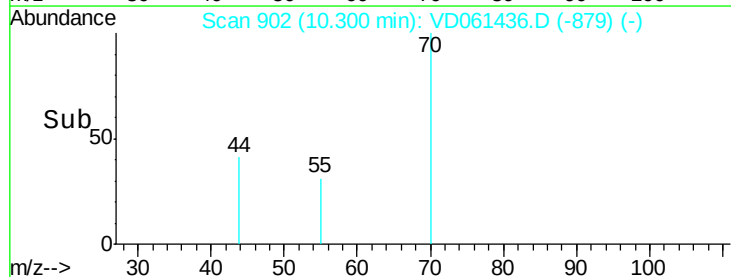
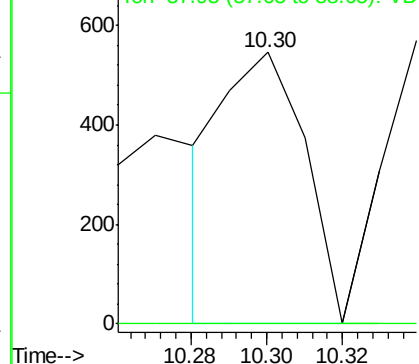


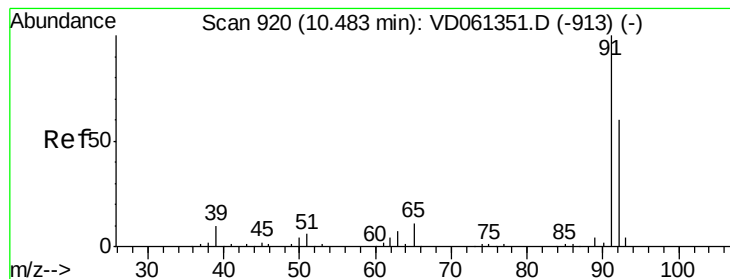
#51
4-Methyl-2-Pentanone
Concen: 1.667 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#



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





#52

Toluene

Concen: 16.466 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

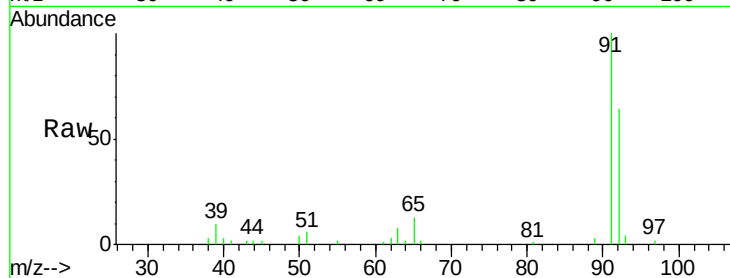
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 32802

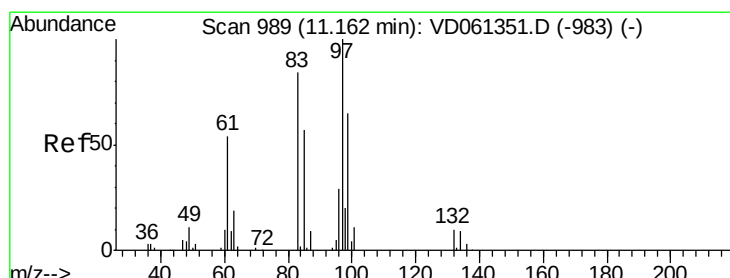
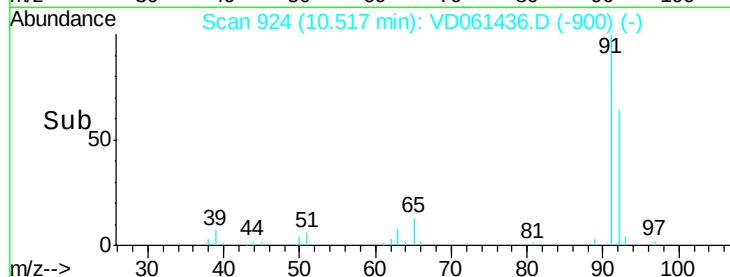
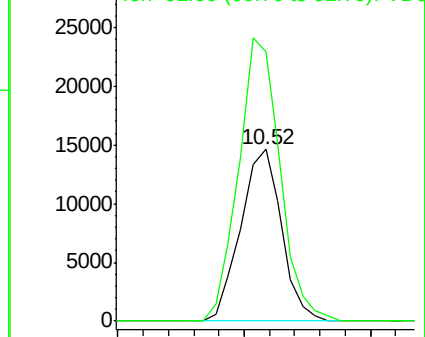
Ion Ratio Lower Upper

92 100

91 156.7 133.3 199.9



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



#55

1,1,2-Trichloroethane

Concen: 2.950 ug/l

RT: 11.25 min Scan# 998

Delta R.T. 0.08 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Tgt Ion: 97 Resp: 2055

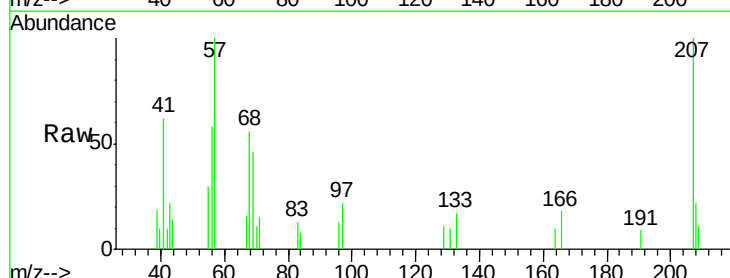
Ion Ratio Lower Upper

97 100

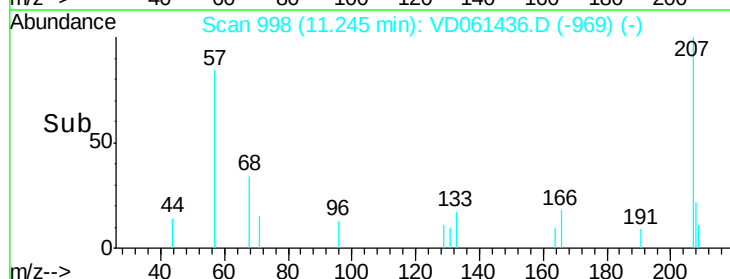
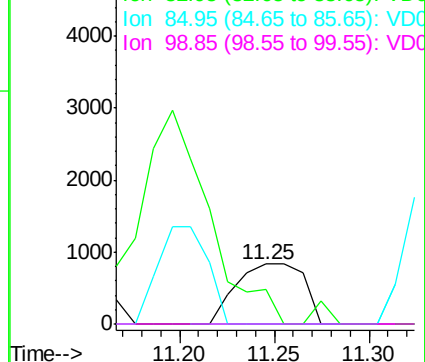
83 57.9 67.0 100.6#

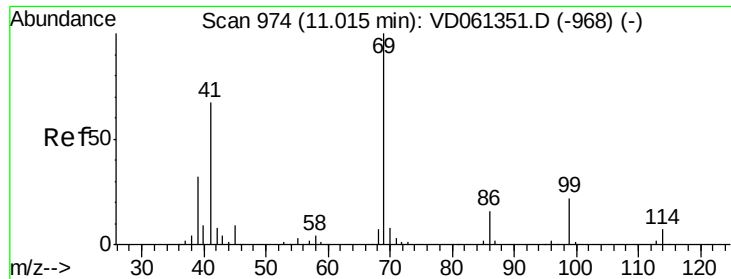
85 0.0 45.4 68.2#

99 0.0 51.9 77.9#



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





#56

Ethyl methacrylate

Concen: 13.030 ug/l

RT: 11.10 min Scan# 983

Delta R.T. 0.08 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleID :

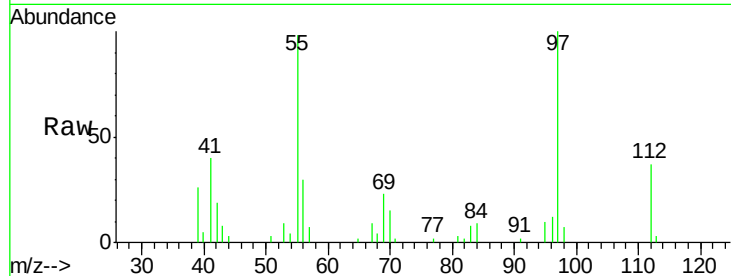
Tot Ion: 69 Resp: 9752

Ion Ratio Lower Upper

69 100

41 178.6 53.8 80.6#

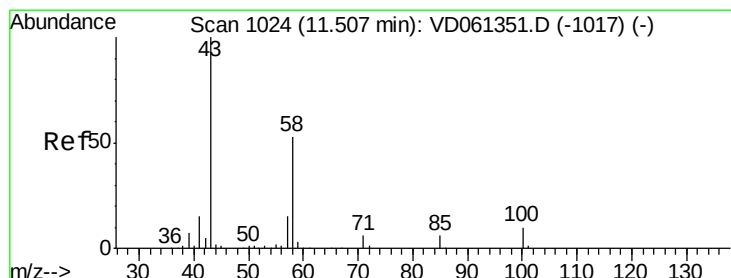
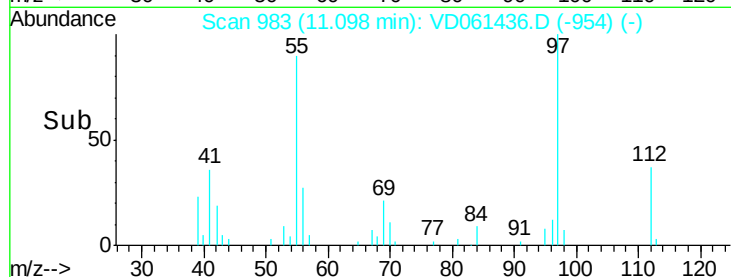
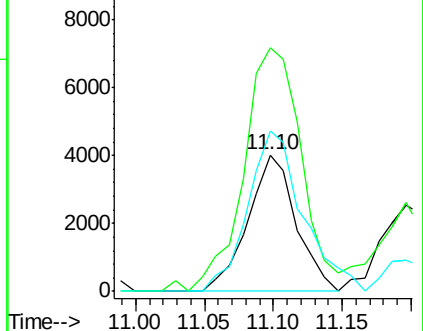
39 117.2 26.4 39.6#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 187.777 ug/l

RT: 11.49 min Scan# 1023

Delta R.T. -0.02 min

Lab File: VD061436.D

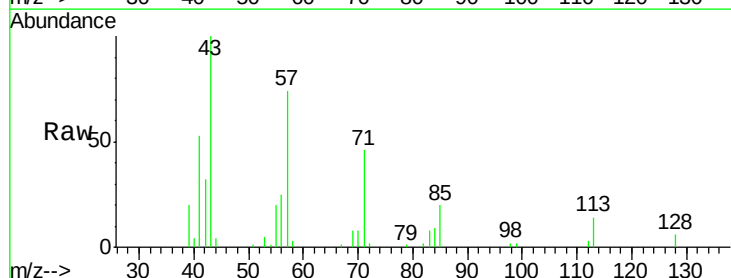
Acq: 29 Mar 2019 18:14

Tgt Ion: 43 Resp: 67012

Ion Ratio Lower Upper

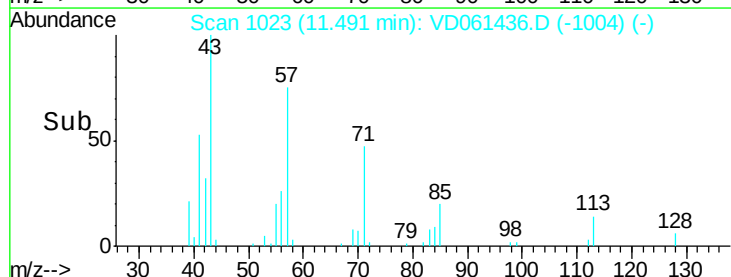
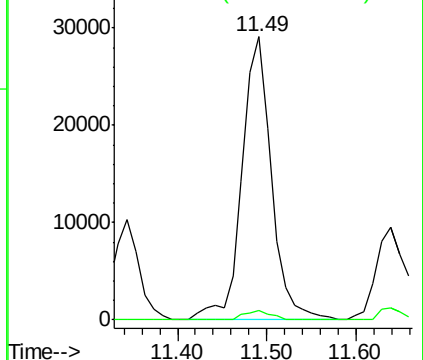
43 100

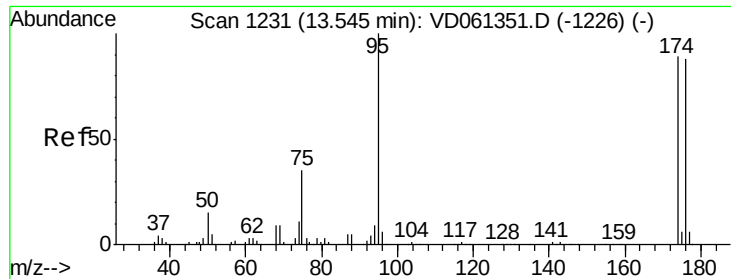
58 3.3 26.3 78.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

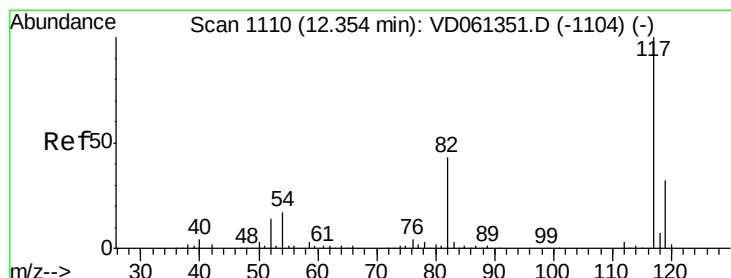
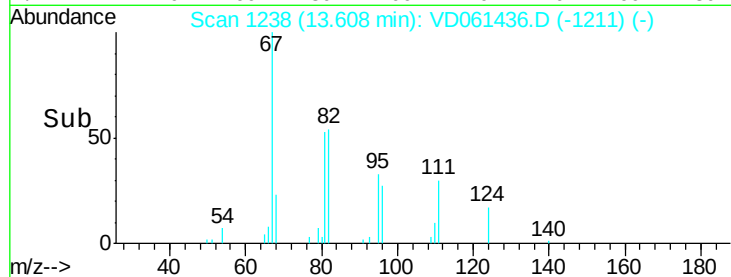
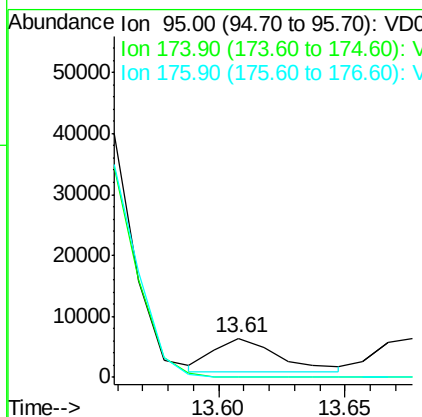
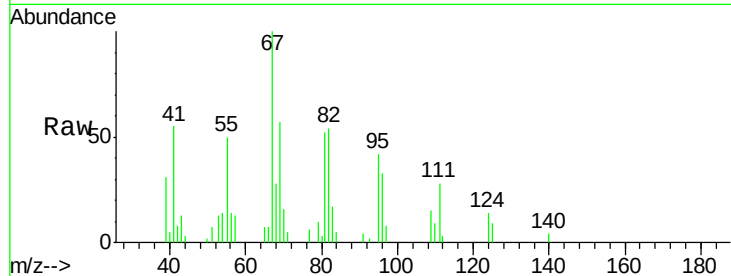




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.61 min Scan# 1238
Delta R.T. 0.06 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

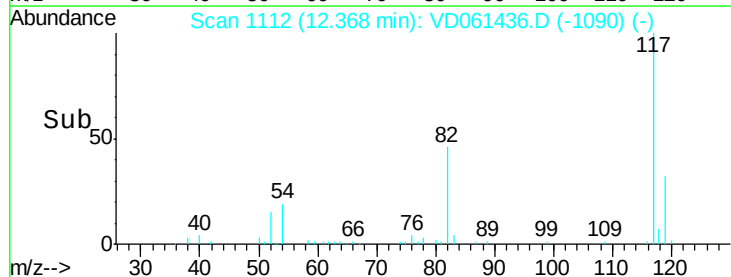
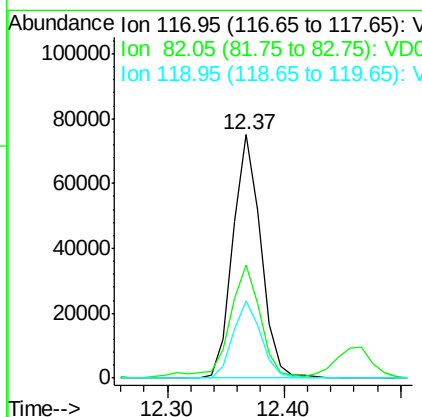
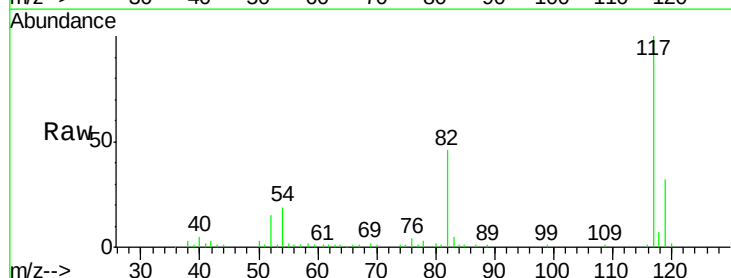
Instrument :
MSVOA_D
ClientSampled :

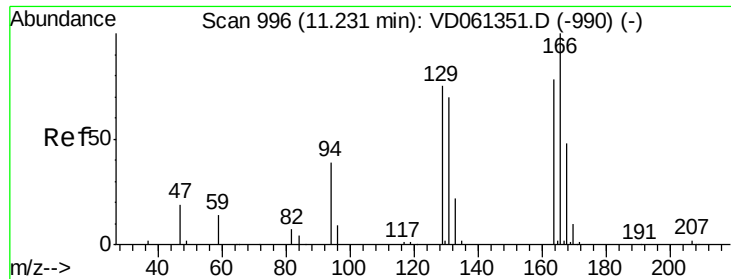
Tot Ion: 95 Resp: 9896
Ion Ratio Lower Upper
95 100
174 0.0 0.0 178.0
176 0.0 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 117 Resp: 124621
Ion Ratio Lower Upper
117 100
82 46.4 34.4 51.6
119 31.6 25.8 38.6





#64

Tetrachloroethene

Concen: 1.316 ug/l

RT: 11.26 min Scan# 999

Delta R.T. 0.02 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:164 Resp: 1287

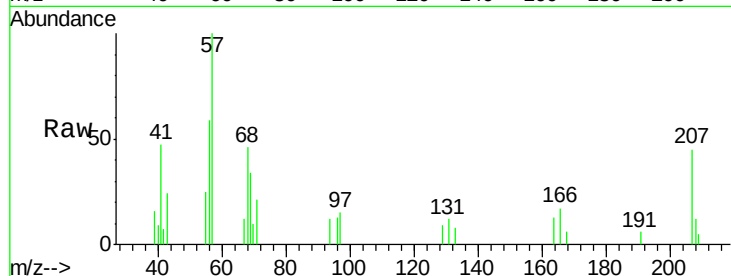
Ion Ratio Lower Upper

164 100

166 126.3 102.4 153.6

129 69.5 76.8 115.2#

131 89.7 71.8 107.6

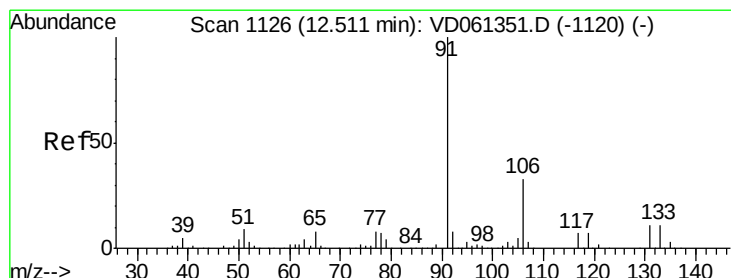
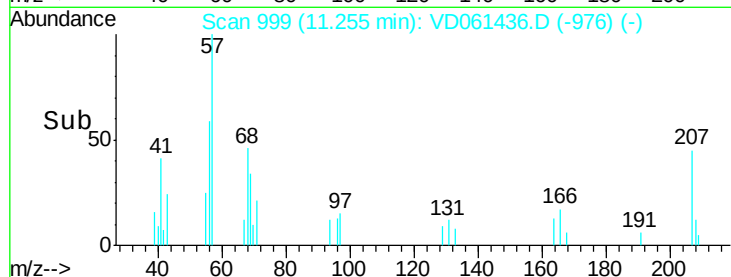
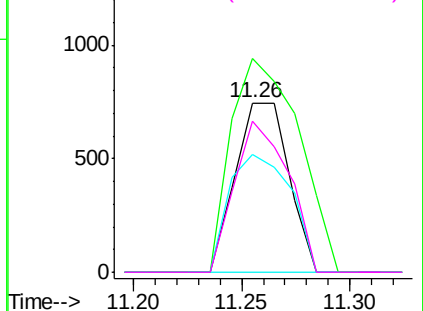


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 13.436 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD061436.D

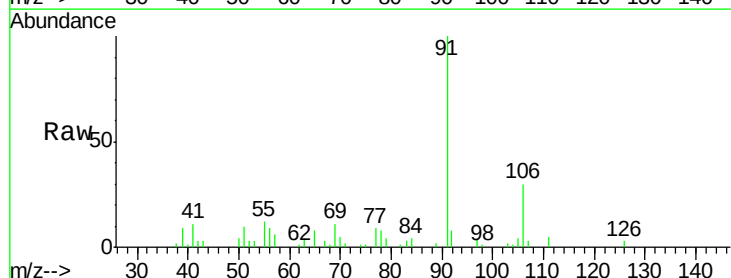
Acq: 29 Mar 2019 18:14

Tgt Ion: 91 Resp: 52232

Ion Ratio Lower Upper

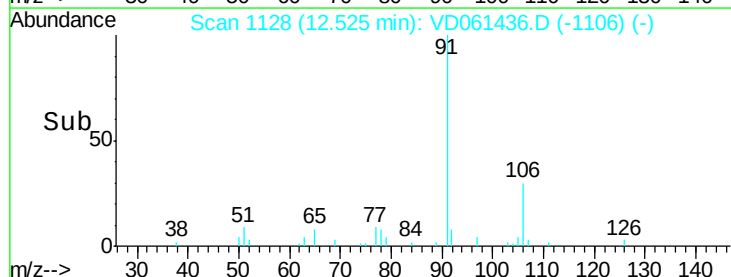
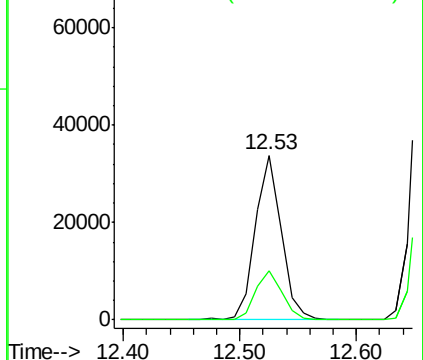
91 100

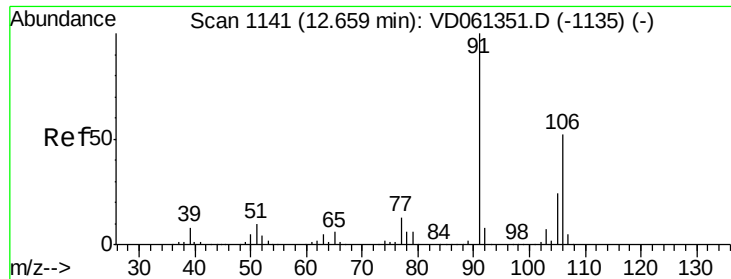
106 30.1 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

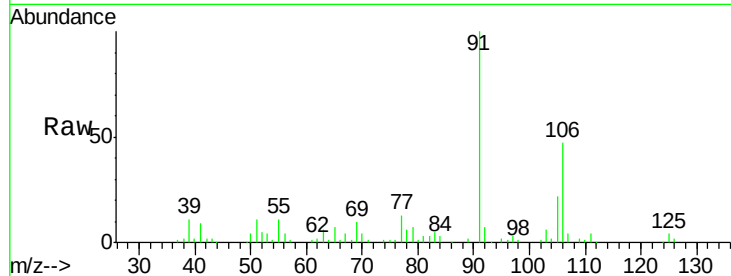




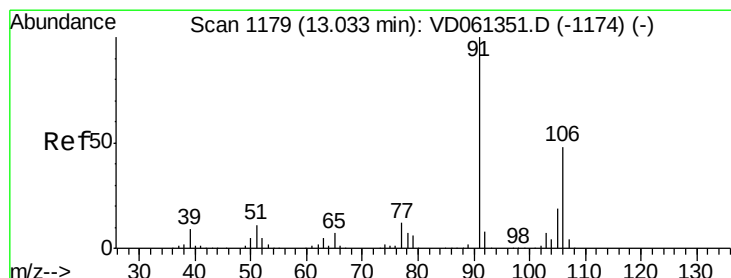
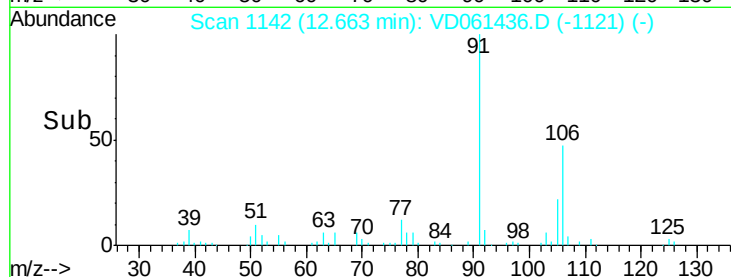
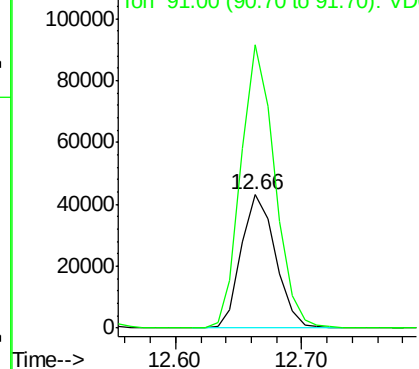
#68
m/p-Xylenes
Concen: 55.038 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 81047
Ion Ratio Lower Upper
106 100
91 211.9 153.1 229.7

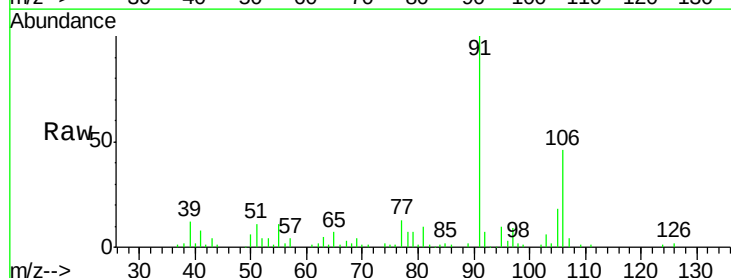


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

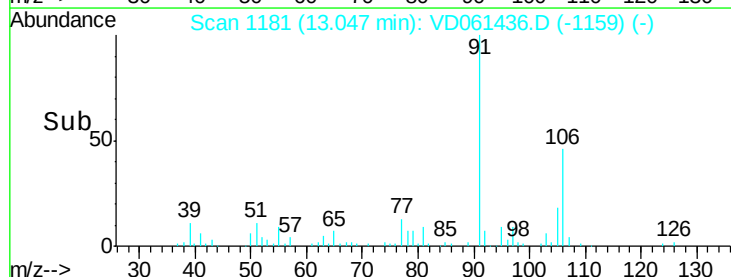
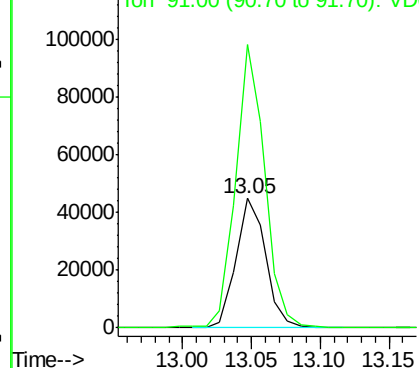


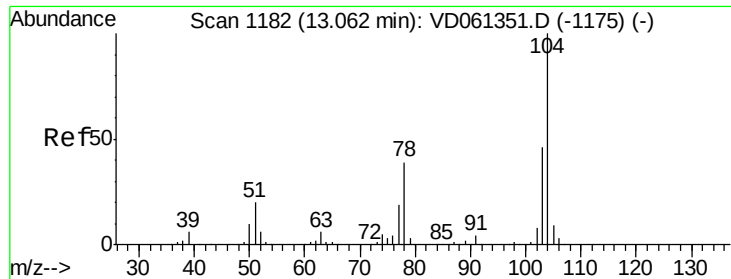
#69
o-Xylene
Concen: 47.231 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion:106 Resp: 67494
Ion Ratio Lower Upper
106 100
91 218.4 103.8 311.3



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

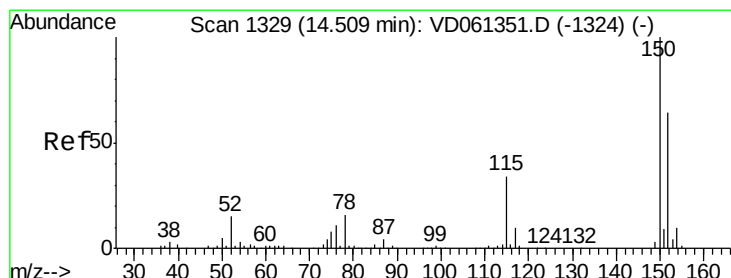
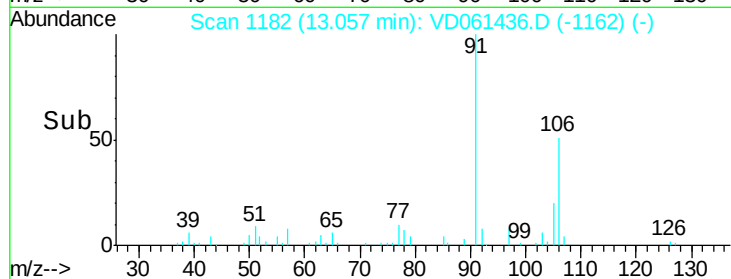
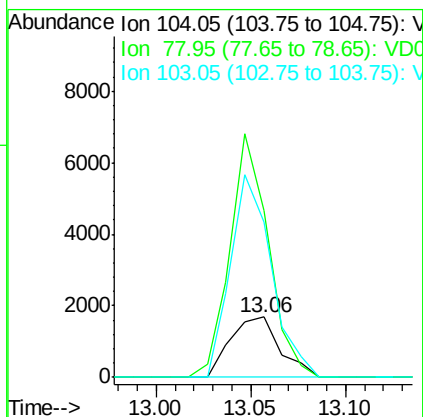
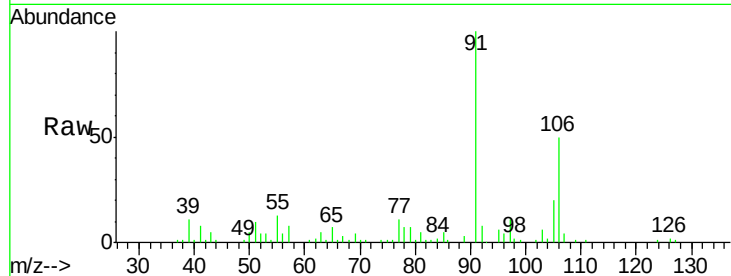




#70
Stvrene
Concen: 1.224 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

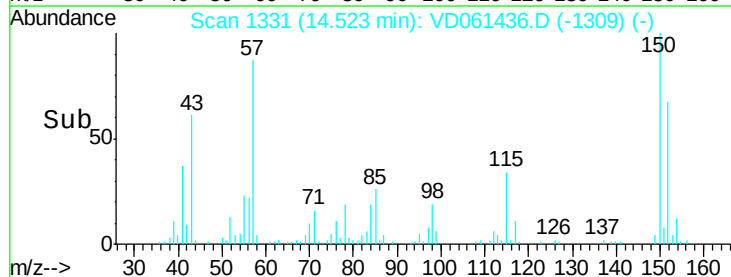
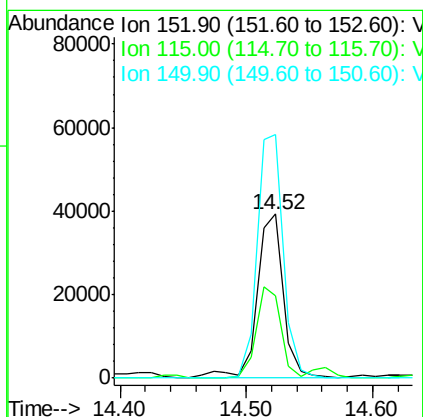
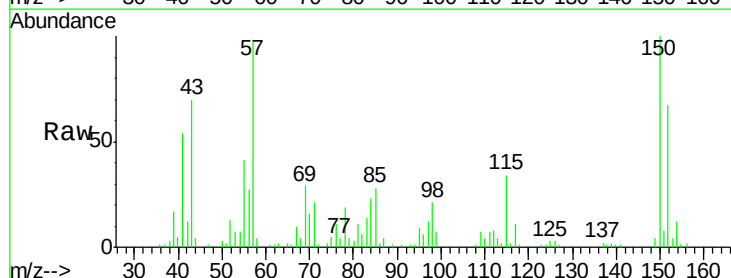
Instrument :
MSVOA_D
ClientSampled :

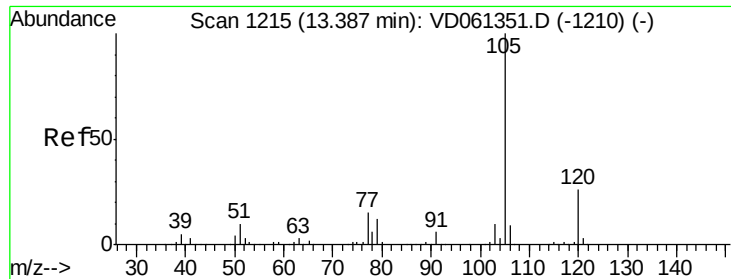
Tot Ion:104 Resp: 3049
Ion Ratio Lower Upper
104 100
78 275.4 31.0 46.6#
103 258.2 37.0 55.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion:152 Resp: 57396
Ion Ratio Lower Upper
152 100
115 50.5 26.9 80.6
150 148.6 0.0 318.0





#73

Isopropylbenzene

Concen: 3.599 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

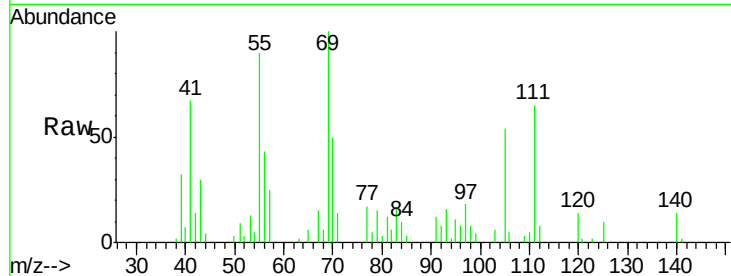
ClientSampled :

Tot Ion:105 Resp: 14375

Ion Ratio Lower Upper

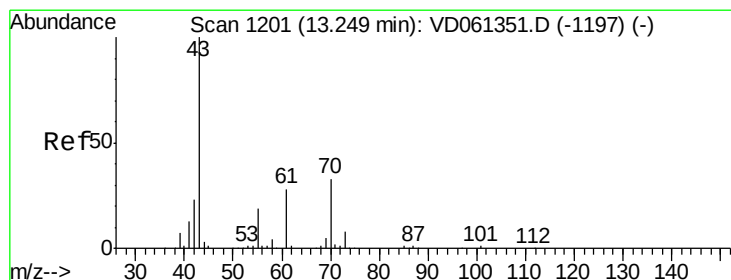
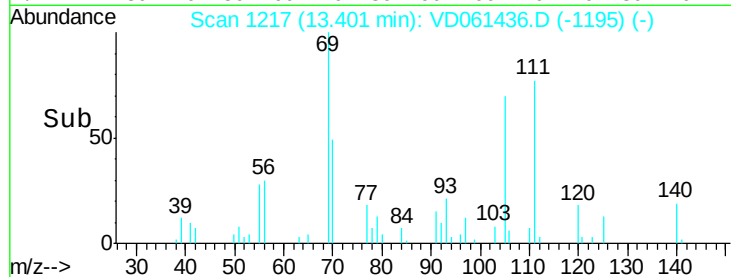
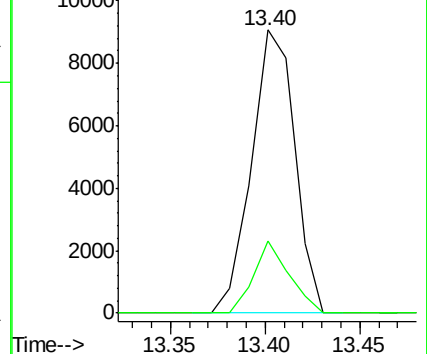
105 100

120 25.3 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.997 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Tgt Ion: 43 Resp: 58975

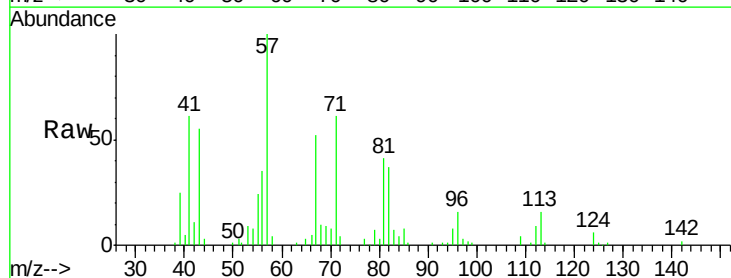
Ion Ratio Lower Upper

43 100

70 13.8 26.6 40.0#

55 43.0 15.4 23.2#

61 0.0 22.2 33.4#

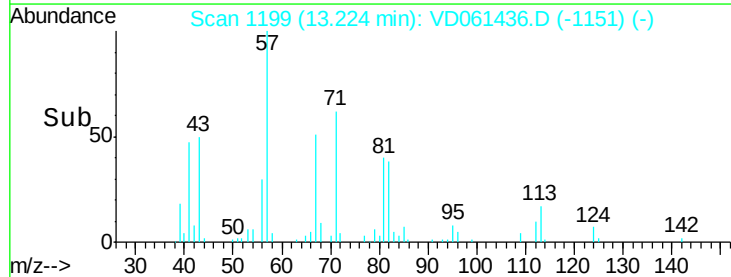
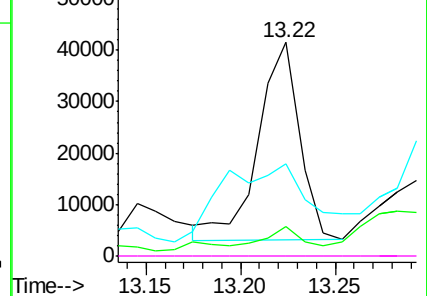


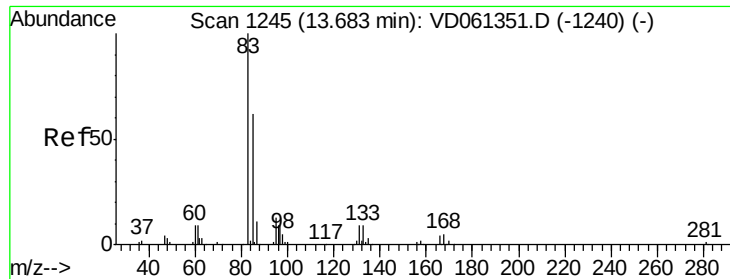
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 4.531 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.02 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampled :

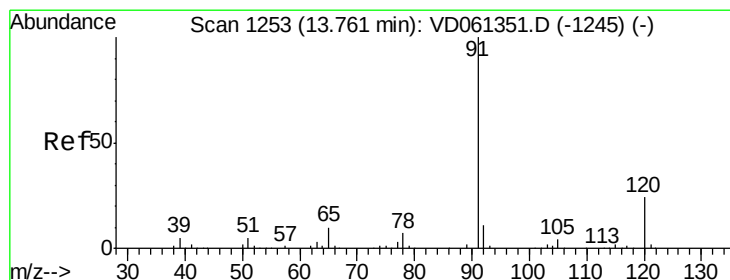
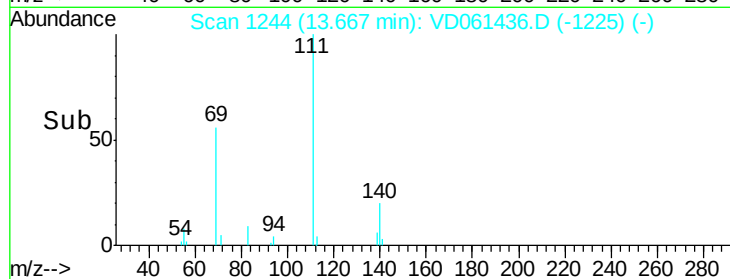
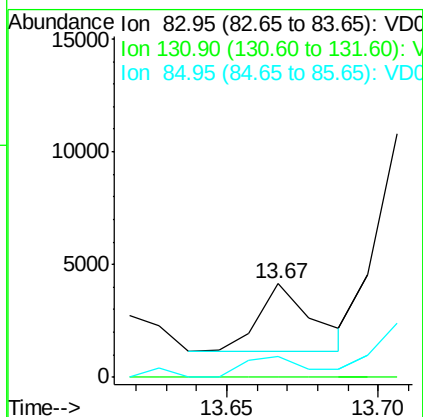
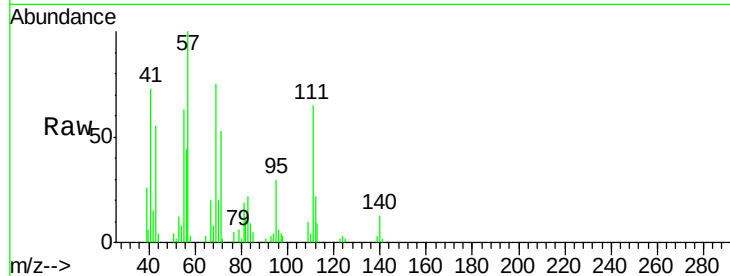
Tot Ion: 83 Resp: 3818

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

85 22.3 31.2 93.6#



#78

n-propylbenzene

Concen: 6.262 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061436.D

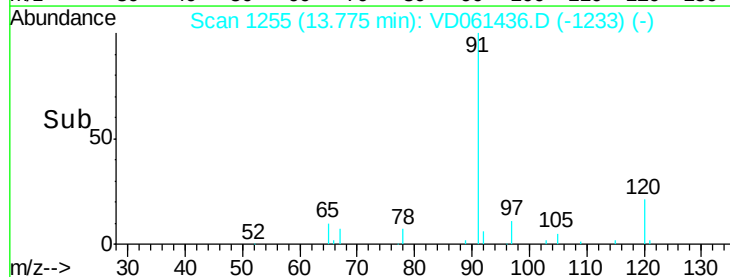
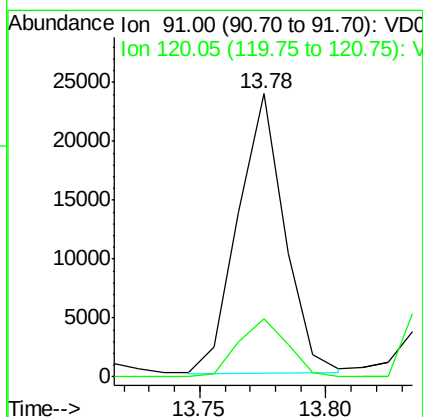
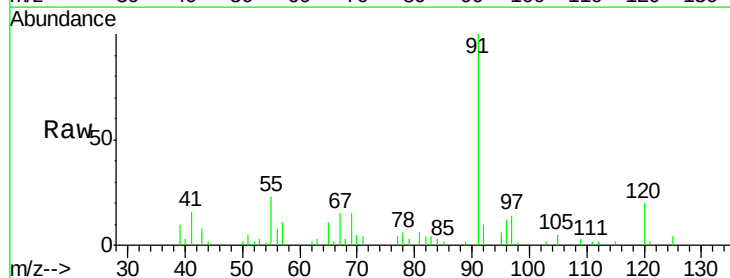
Acq: 29 Mar 2019 18:14

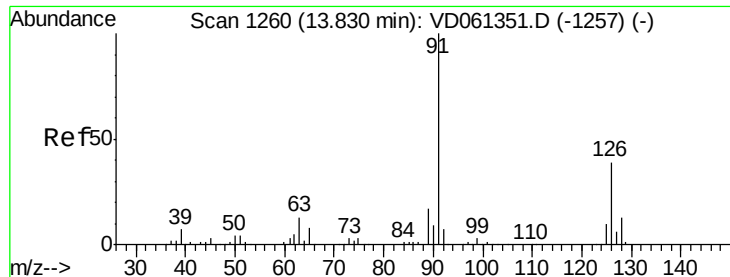
Tgt Ion: 91 Resp: 30614

Ion Ratio Lower Upper

91 100

120 20.3 11.8 35.3





#79

2-Chlorotoluene

Concen: 9.986 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

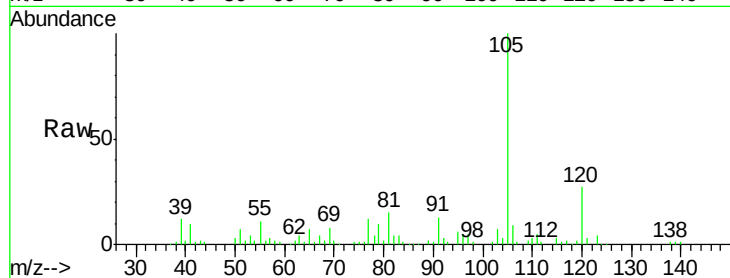
ClientSampleId :

Tot Ion: 91 Resp: 26507

Ion Ratio Lower Upper

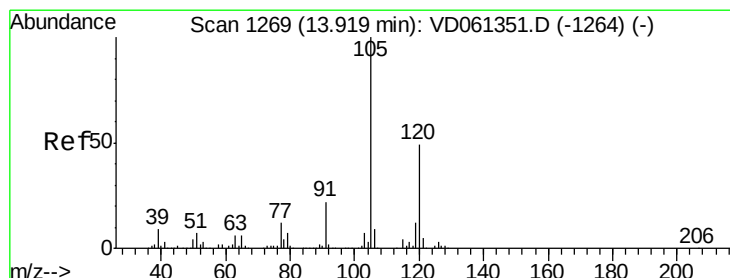
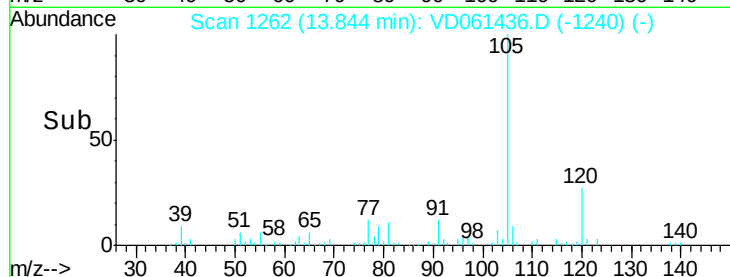
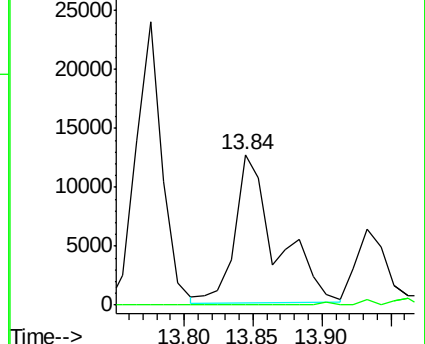
91 100

126 0.0 19.4 58.2#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 28.275 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061436.D

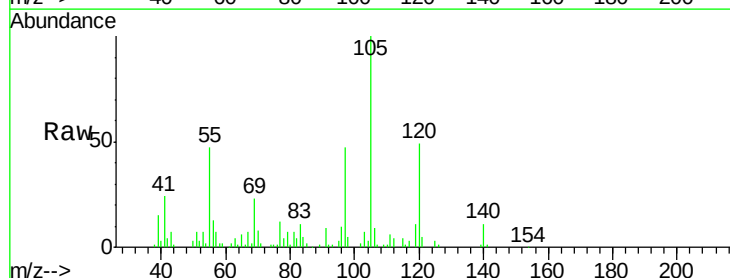
Acq: 29 Mar 2019 18:14

Tgt Ion:105 Resp: 87638

Ion Ratio Lower Upper

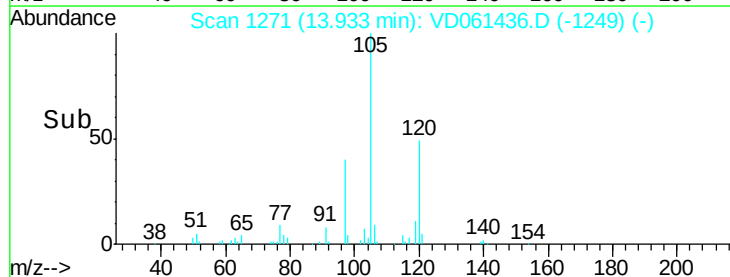
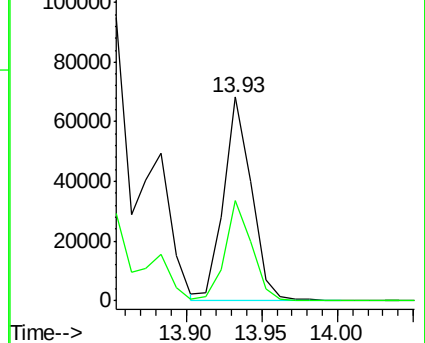
105 100

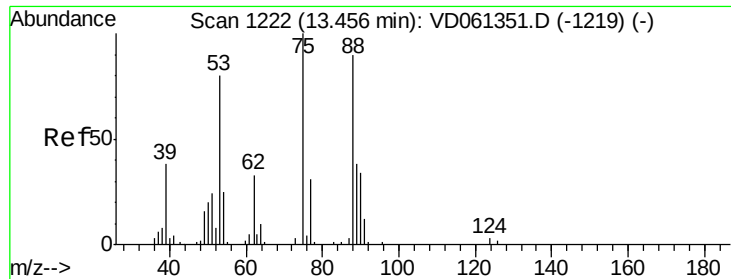
120 49.0 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

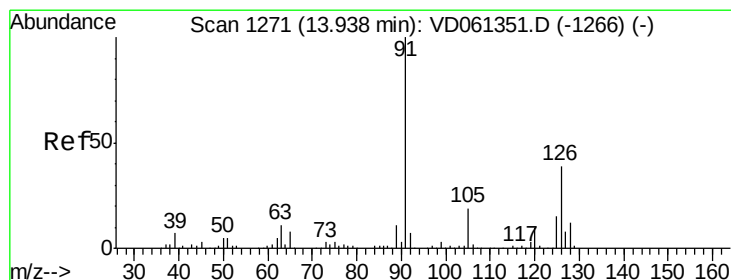
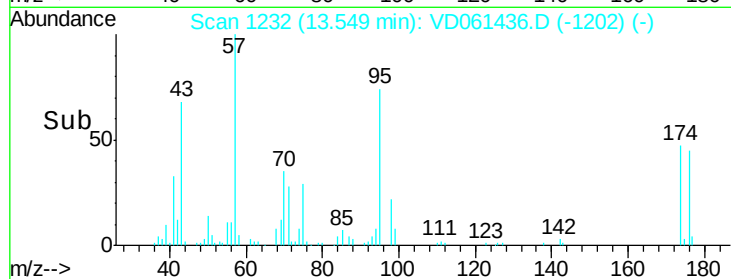
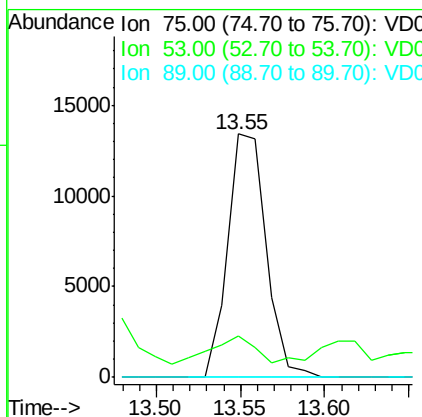
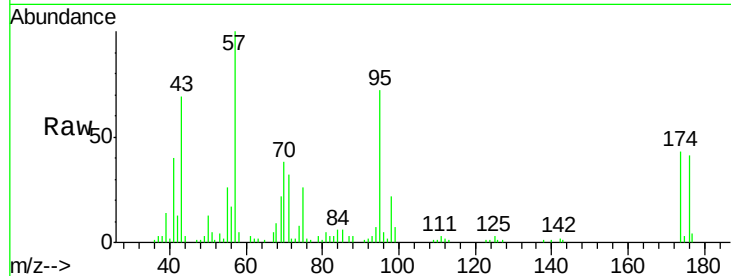




#81
trans-1,4-Dichloro-2-butene
Concen: 83.867 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

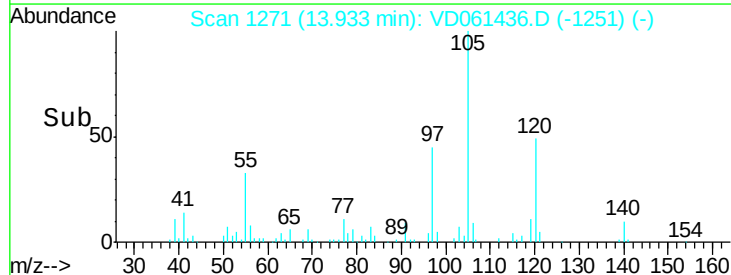
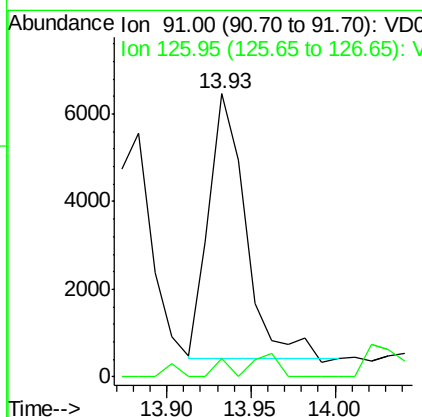
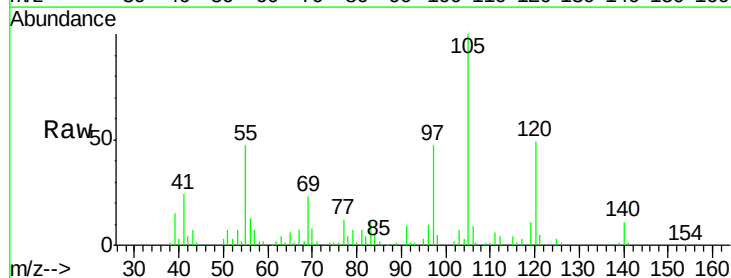
Instrument :
MSVOA_D
ClientSampleId :

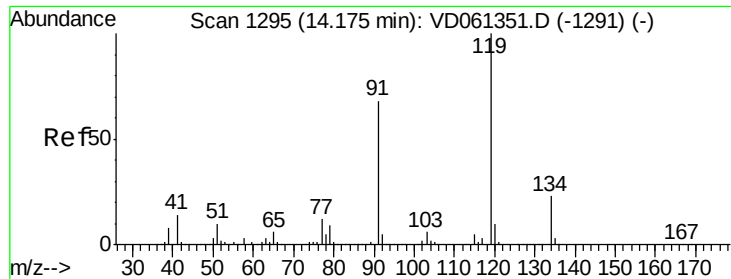
Tot Ion: 75 Resp: 21201
Ion Ratio Lower Upper
75 100
53 17.0 63.8 95.8#
89 0.0 30.5 45.7#



#82
4-Chlorotoluene
Concen: 3.207 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061436.D
Acq: 29 Mar 2019 18:14

Tgt Ion: 91 Resp: 9257
Ion Ratio Lower Upper
91 100
126 6.6 19.6 58.8#





#83

tert-Butylbenzene

Concen: 1.486 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

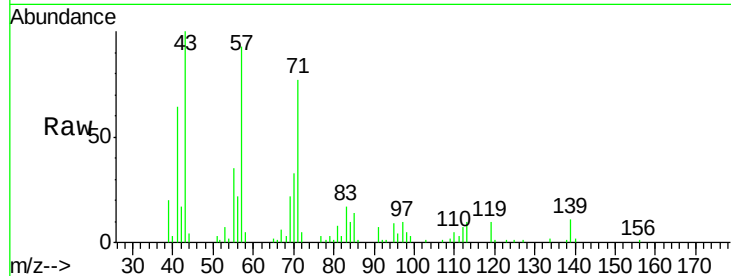
Tot Ion:119 Resp: 5757

Ion Ratio Lower Upper

119 100

91 67.8 34.1 102.3

134 19.8 11.6 34.8

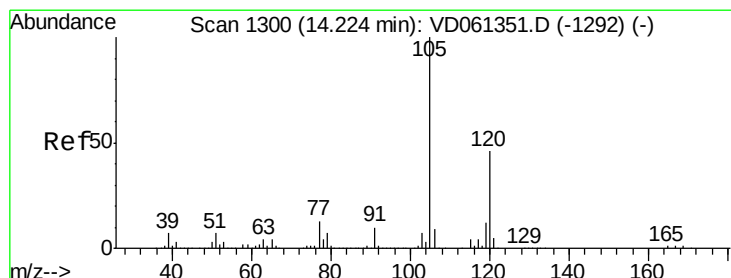
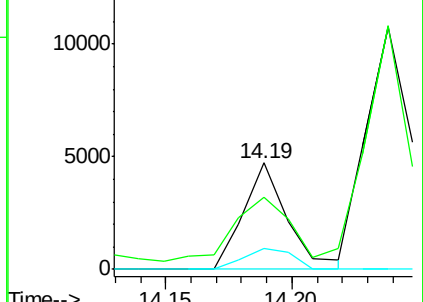
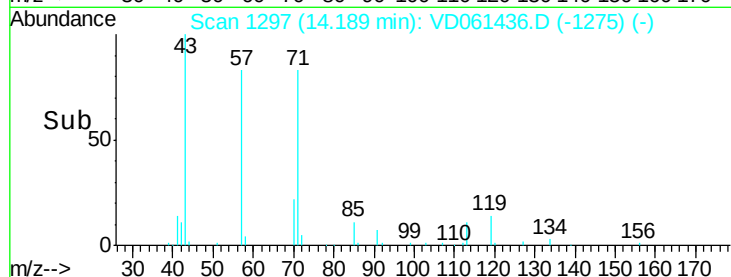


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 35.567 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061436.D

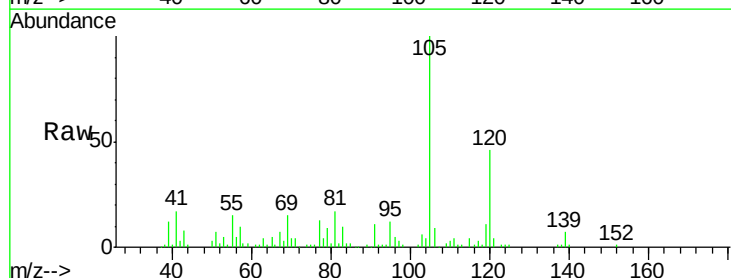
Acq: 29 Mar 2019 18:14

Tgt Ion:105 Resp: 119347

Ion Ratio Lower Upper

105 100

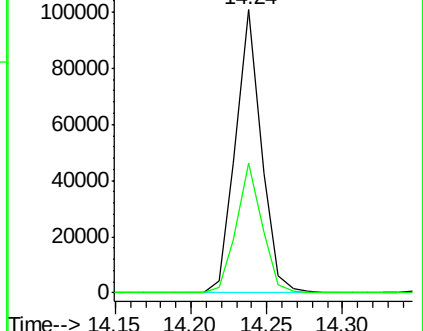
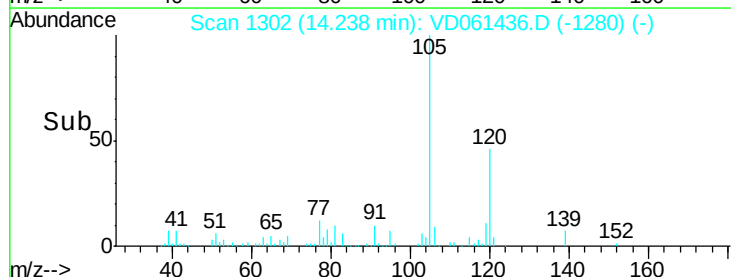
120 45.8 22.8 68.4

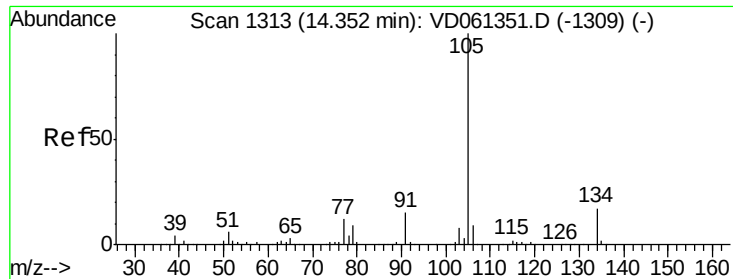


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->

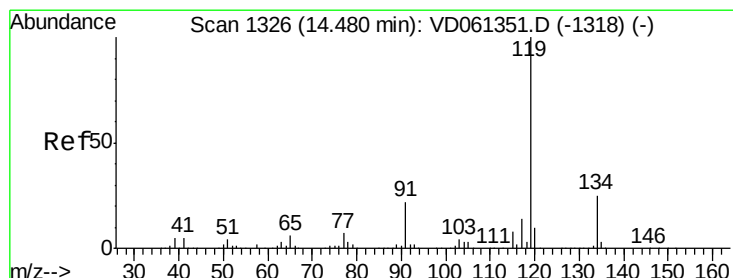
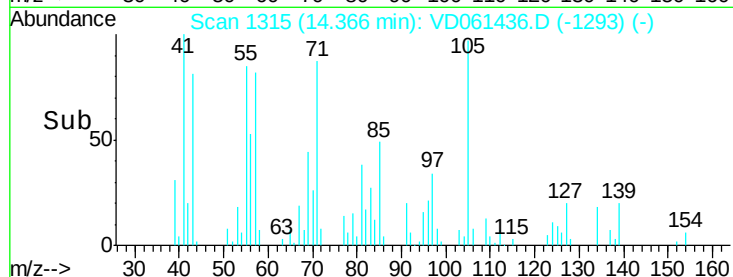
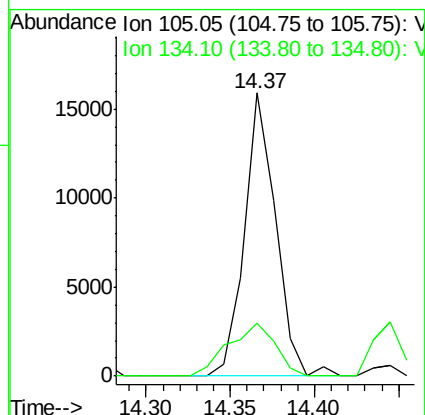
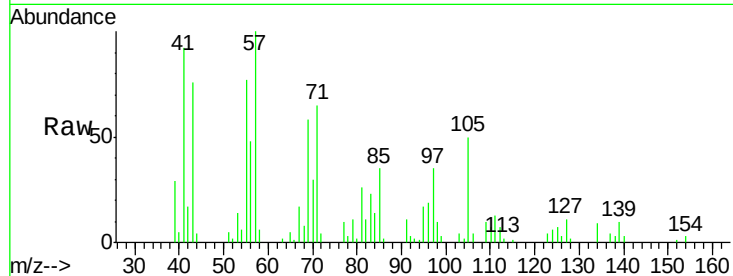




#85
 sec-Butylbenzene
 Concen: 4.958 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

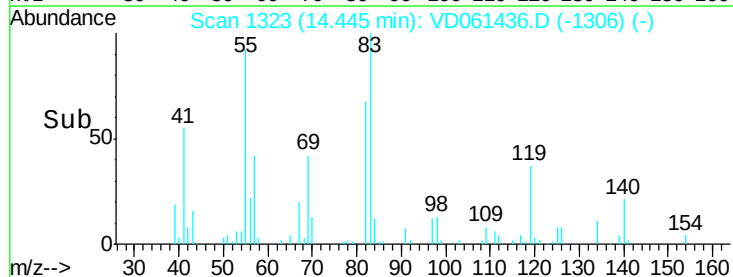
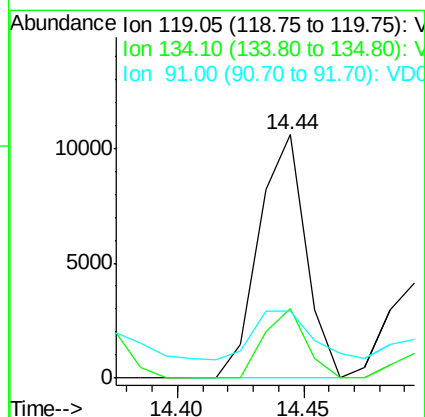
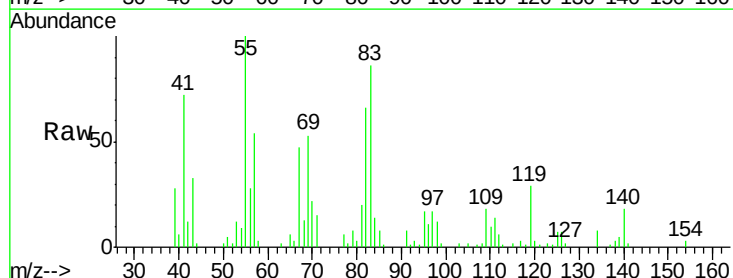
Instrument :
 MSVOA_D
 ClientSampleId :

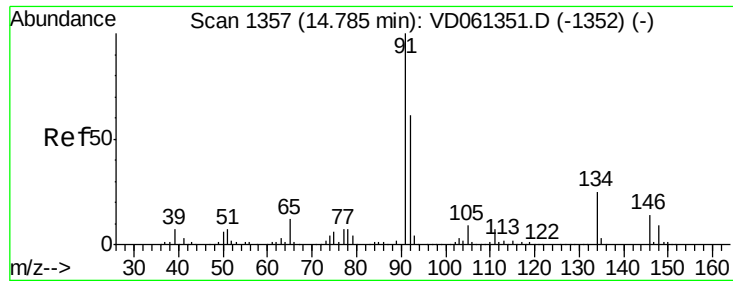
Tot Ion:105 Resp: 20402
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 3.950 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.04 min
 Lab File: VD061436.D
 Acq: 29 Mar 2019 18:14

Tgt Ion:119 Resp: 13744
 Ion Ratio Lower Upper
 119 100
 134 28.8 12.3 36.8
 91 27.6 11.1 33.1





#89

n-Butylbenzene

Concen: 6.718 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

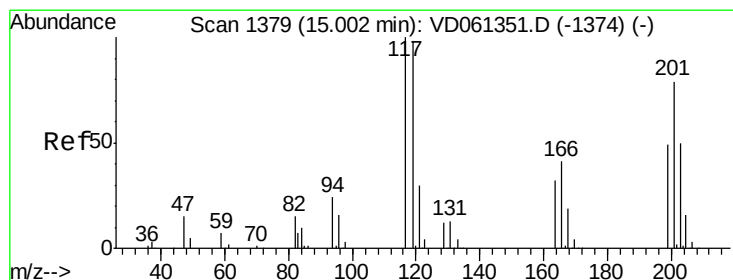
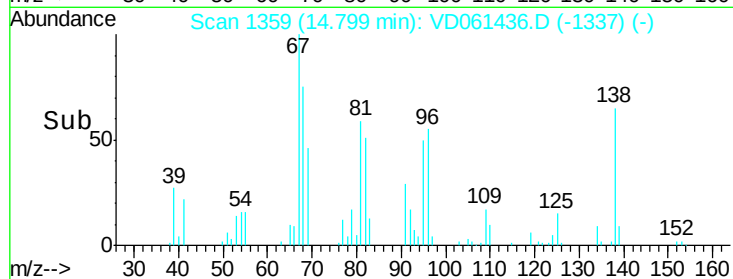
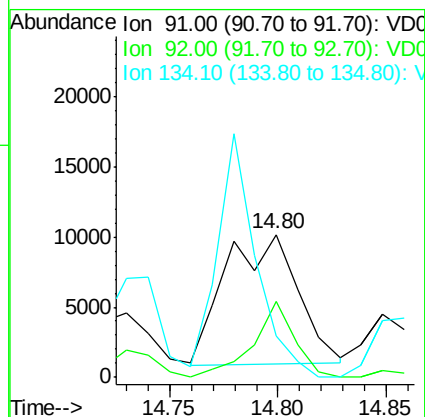
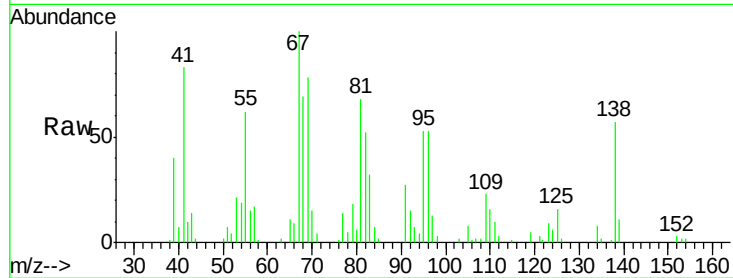
Tot Ion: 91 Resp: 21454

Ion Ratio Lower Upper

91 100

92 53.2 30.3 91.0

134 28.7 12.4 37.0



#90

Hexachloroethane

Concen: 4.662 ug/l

RT: 14.98 min Scan# 1377

Delta R.T. -0.03 min

Lab File: VD061436.D

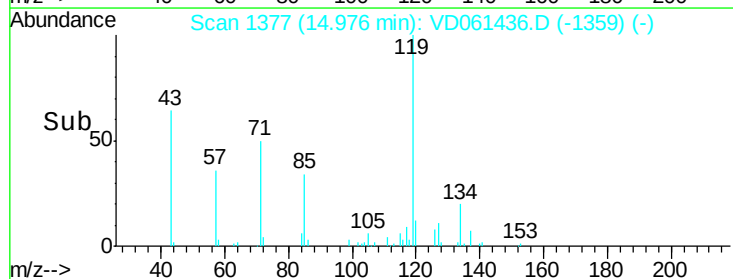
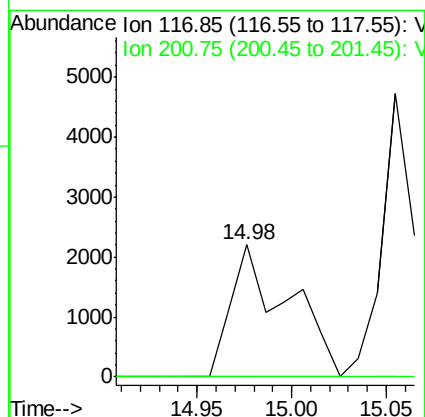
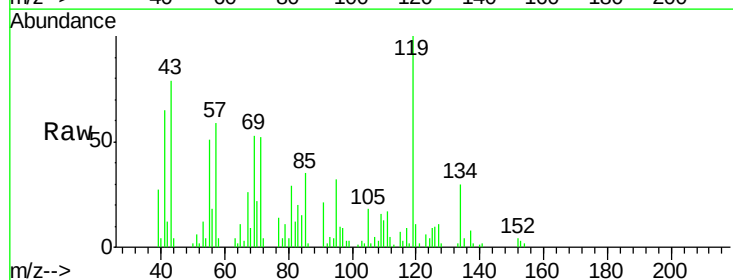
Acq: 29 Mar 2019 18:14

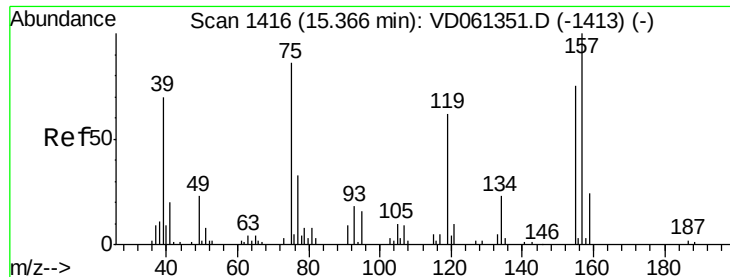
Tgt Ion: 117 Resp: 4583

Ion Ratio Lower Upper

117 100

201 0.0 39.6 119.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.459 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampled :

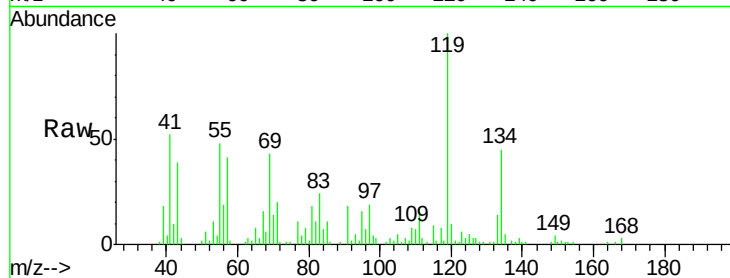
Tot Ion: 75 Resp: 243

Ion Ratio Lower Upper

75 100

155 0.0 43.6 130.9#

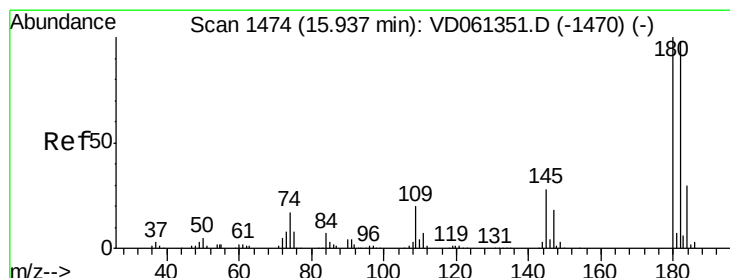
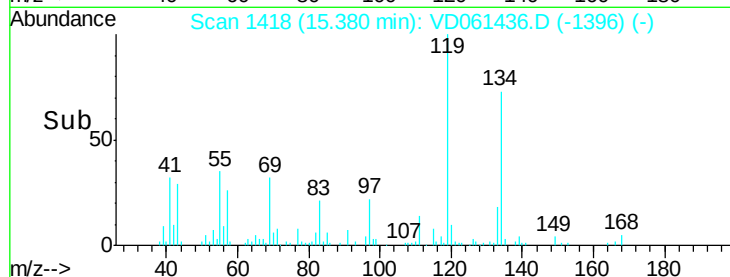
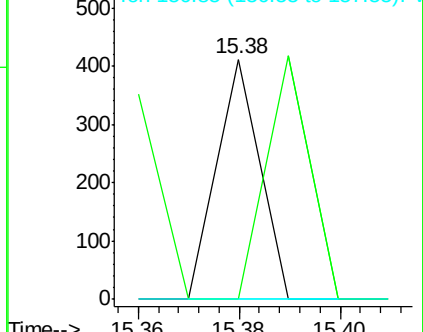
157 0.0 58.5 175.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 2.034 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

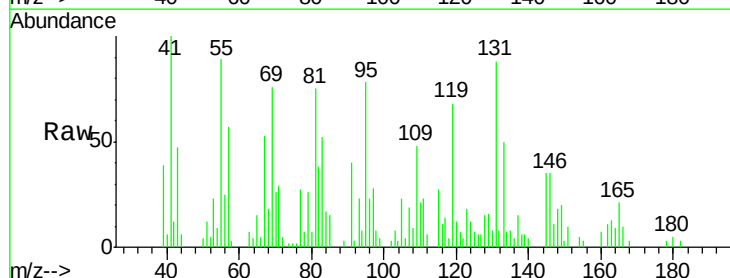
Tgt Ion: 180 Resp: 1524

Ion Ratio Lower Upper

180 100

182 50.8 48.9 146.8

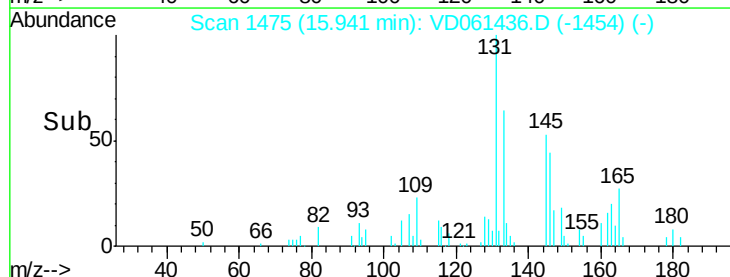
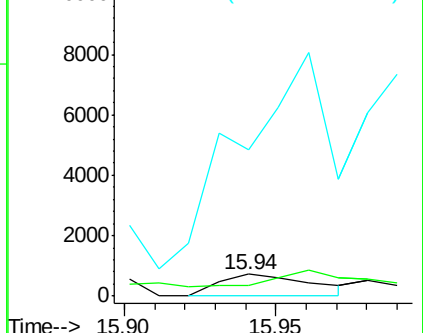
145 666.7 14.1 42.3#

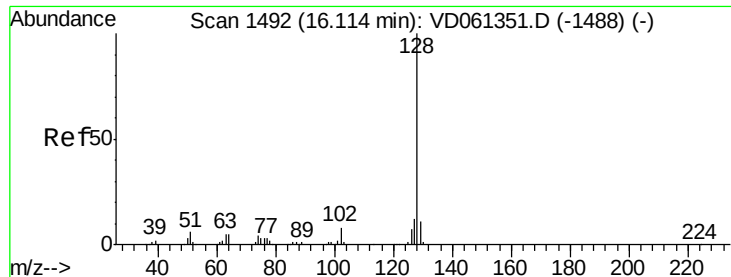


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 3.714 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

Instrument :

MSVOA_D

ClientSampleId :

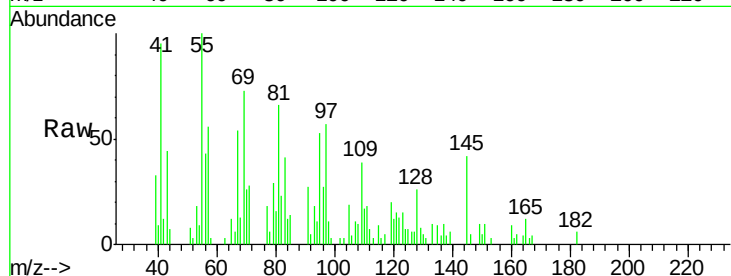
Tot Ion:128 Resp: 4242

Ion Ratio Lower Upper

128 100

127 21.8 9.9 14.9#

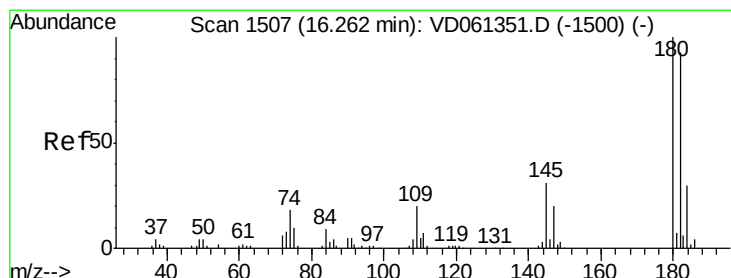
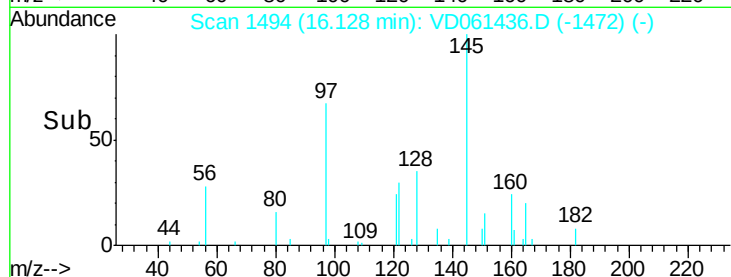
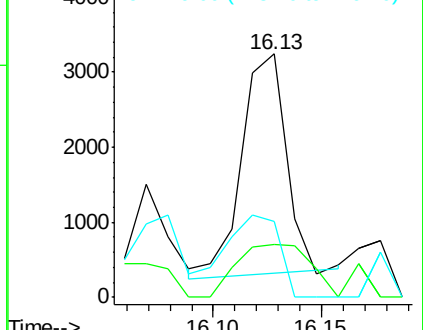
129 31.3 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.902 ug/l

RT: 16.25 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VD061436.D

Acq: 29 Mar 2019 18:14

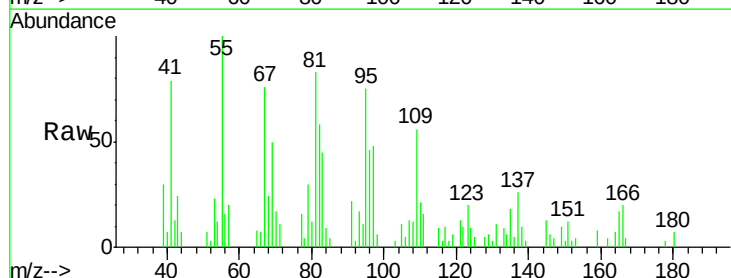
Tgt Ion:180 Resp: 1946

Ion Ratio Lower Upper

180 100

182 0.0 46.4 139.1#

145 186.0 15.3 45.9#



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

