

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060724.D
 Acq On : 27 Dec 2018 14:11
 Operator : VA/AP
 Sample : J6446-01RE
 Misc : 3.75g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0612-02RE

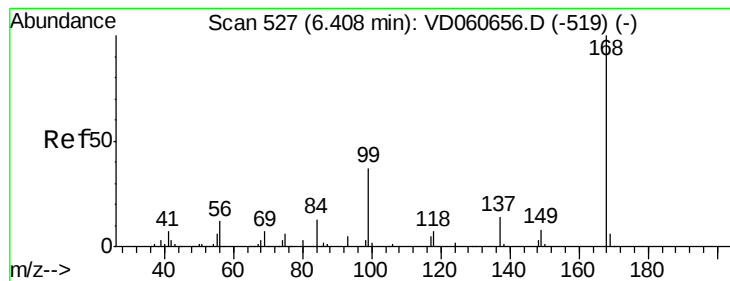
Quant Time: Dec 28 01:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	318360	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	503592	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	277526	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.35	152	68487	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	259053	117.75	ug/l	-0.04
Spiked Amount			Recovery	=	235.50%	
35) Dibromofluoromethane	6.29	113	271343	73.62	ug/l	-0.04
Spiked Amount			Recovery	=	147.24%	
50) Toluene-d8	9.42	98	431421	39.23	ug/l	-0.04
Spiked Amount			Recovery	=	78.46%	
62) 4-Bromofluorobenzene	12.41	95	87593	22.74	ug/l	-0.01
Spiked Amount			Recovery	=	45.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1240	1.862	ug/l #	2
11) Tert butyl alcohol	3.85	59	2282	24.819	ug/l #	74
16) Acetone	3.13	43	17528	45.620	ug/l	99
18) Methyl Acetate	3.52	43	1002	1.052	ug/l #	63
20) Methylene Chloride	3.69	84	23771	5.957	ug/l	92
25) 2-Butanone	5.61	43	6470	8.800	ug/l #	61
29) Tetrahydrofuran	5.92	42	951	2.282	ug/l #	40
36) 1,1-Dichloropropene	6.37	75	22531	4.345	ug/l #	45
37) Ethyl Acetate	5.61	43	6470	2.983	ug/l #	61
38) Carbon Tetrachloride	6.37	117	24280	5.307	ug/l #	16
81) trans-1,4-Dichloro-2-buten	12.41	75	36474	169.289	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.77	180	2423	1.606	ug/l	77
95) Naphthalene	14.95	128	4193	2.339	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.09	180	2734	2.318	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 522

Delta R.T. -0.04 min

Lab File: VD060724.D

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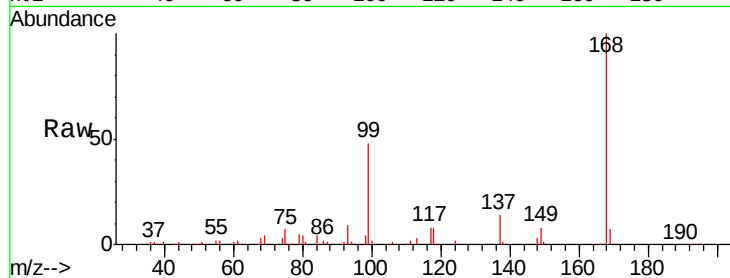
P001-SS022-0612-02RE

Tgt Ion: 168 Resp: 318360

Ion Ratio Lower Upper

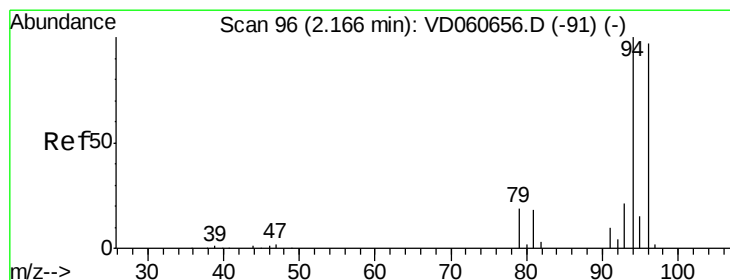
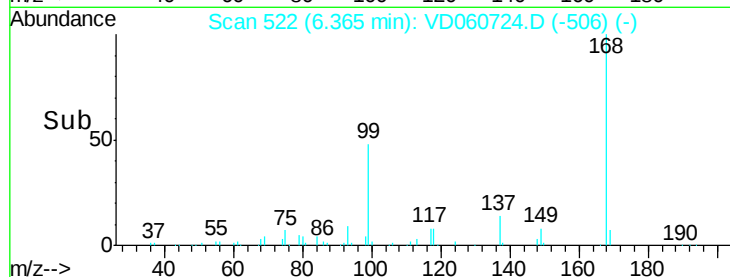
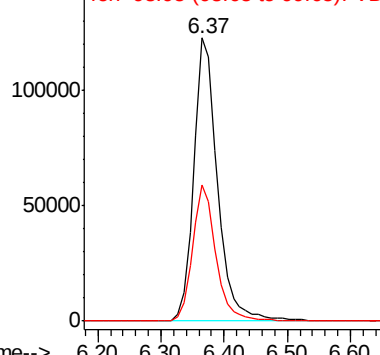
168 100

99 47.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.862 ug/l

RT: 2.17 min Scan# 96

Delta R.T. 0.01 min

Lab File: VD060724.D

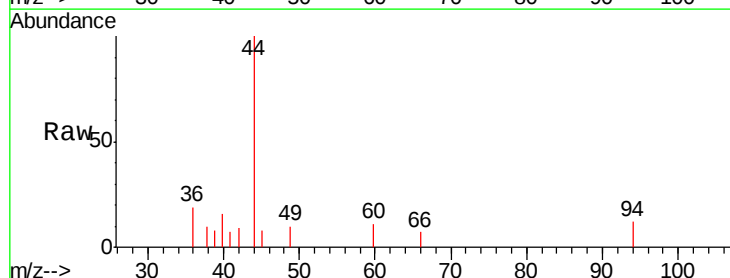
Acq: 27 Dec 2018 14:11

Tgt Ion: 94 Resp: 1240

Ion Ratio Lower Upper

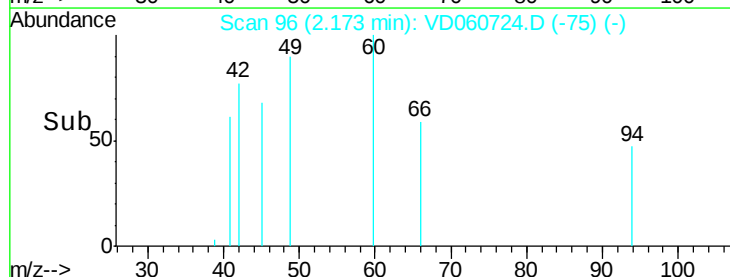
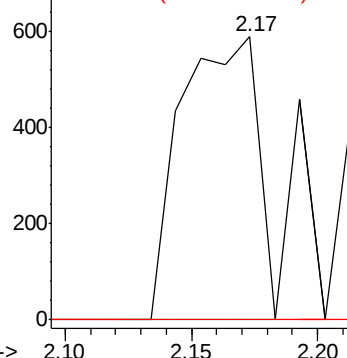
94 100

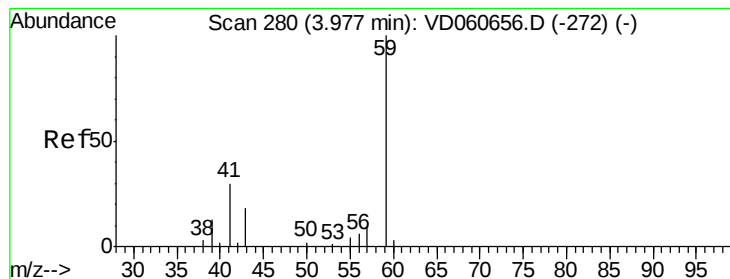
96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



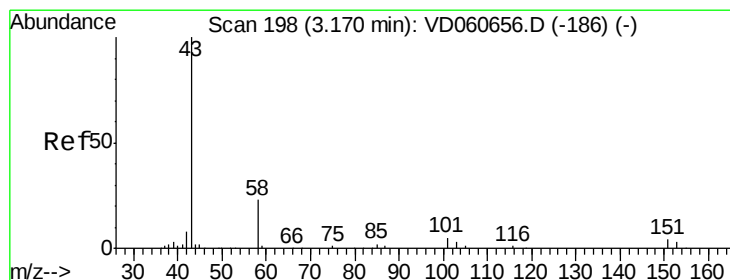
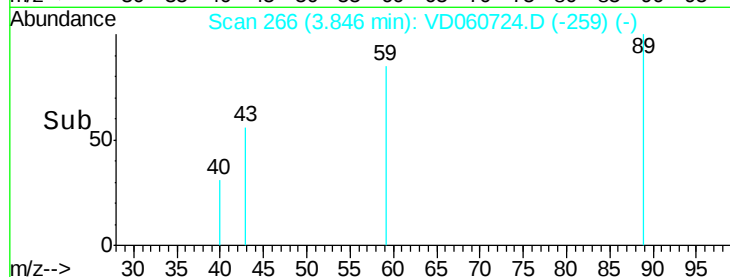
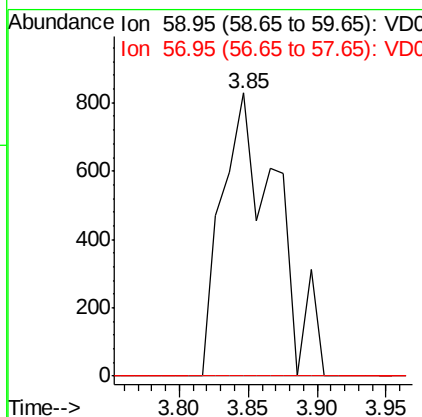
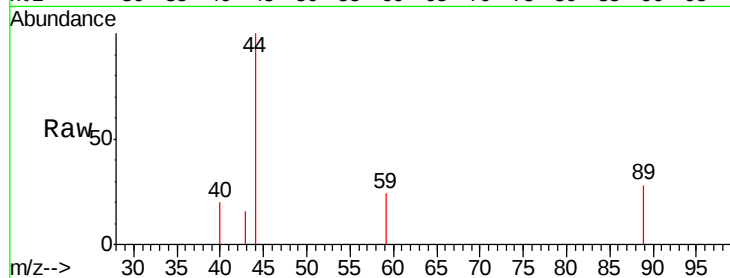


#11

Tert butyl alcohol
 Concen: 24.819 ug/l
 RT: 3.85 min Scan# 266
 Delta R.T. -0.13 min
 Lab File: VD060724.D
 Acq: 27 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0612-02RE

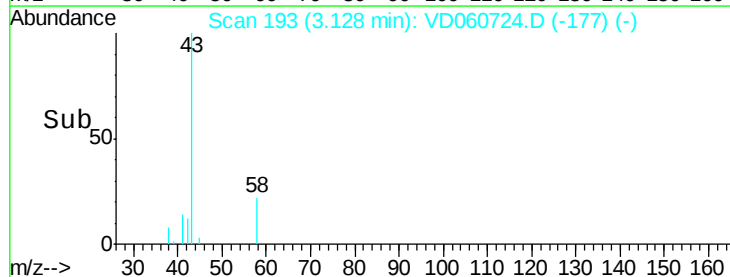
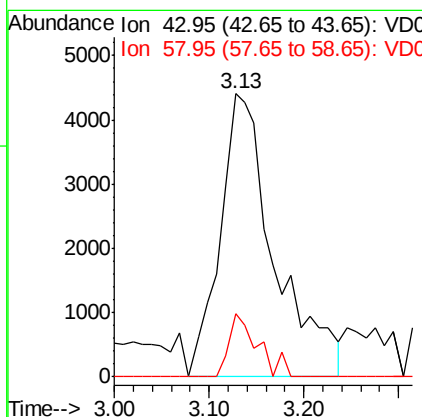
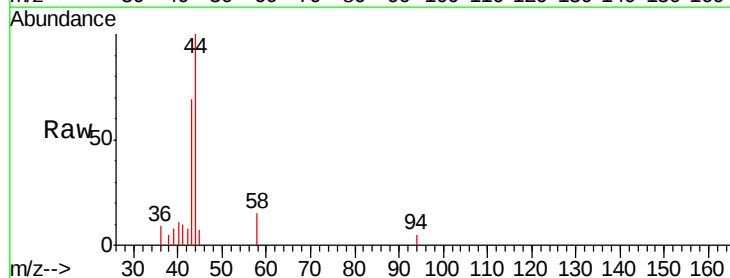
Tgt Ion: 59 Resp: 2282
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

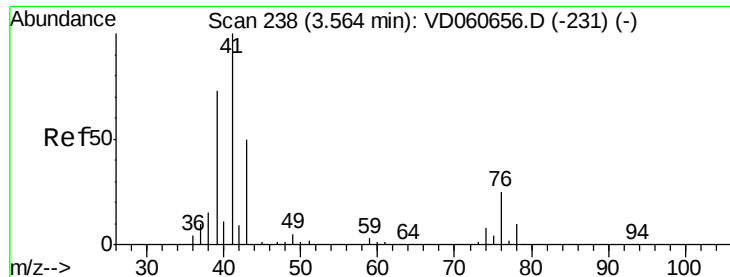


#16

Acetone
 Concen: 45.620 ug/l
 RT: 3.13 min Scan# 193
 Delta R.T. -0.04 min
 Lab File: VD060724.D
 Acq: 27 Dec 2018 14:11

Tgt Ion: 43 Resp: 17528
 Ion Ratio Lower Upper
 43 100
 58 22.4 18.2 27.2

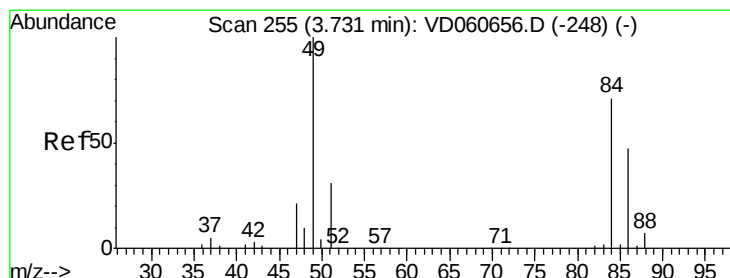
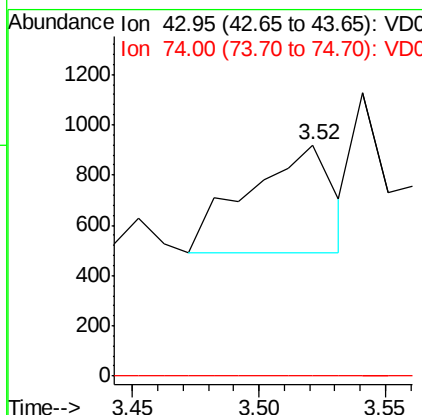
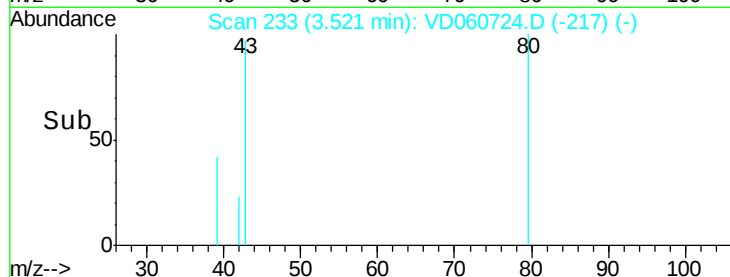
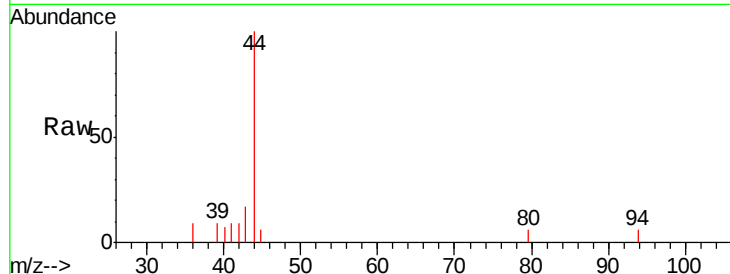




#18
Methyl Acetate
Concen: 1.052 ug/l
RT: 3.52 min Scan# 233
Delta R.T. -0.04 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

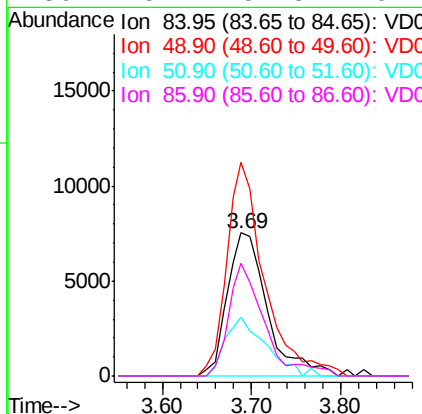
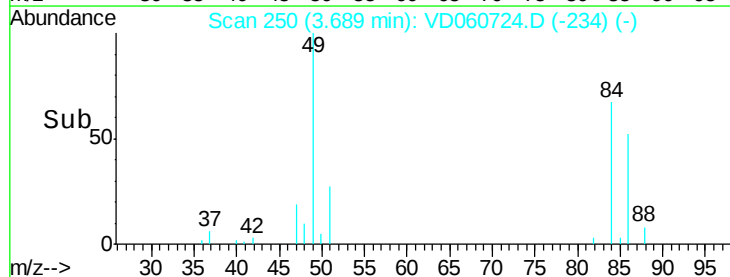
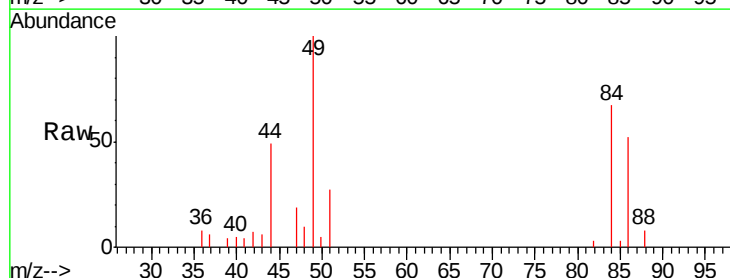
Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0612-02RE

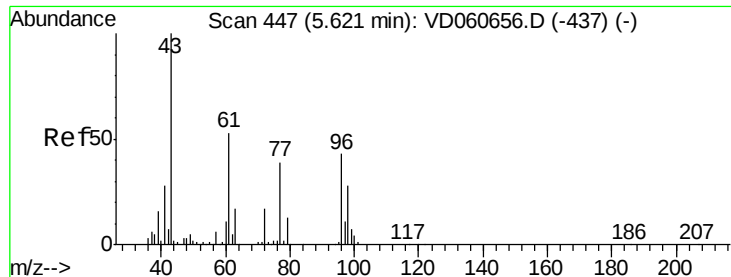
Tgt Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 5.957 ug/l
RT: 3.69 min Scan# 250
Delta R.T. -0.04 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Tgt Ion: 84 Resp: 23771
Ion Ratio Lower Upper
84 100
49 149.1 113.6 170.4
51 40.8 34.7 52.1
86 78.2 52.8 79.2





#25

2-Butanone

Concen: 8.800 ug/l

RT: 5.61 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060724.D

Acq: 27 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

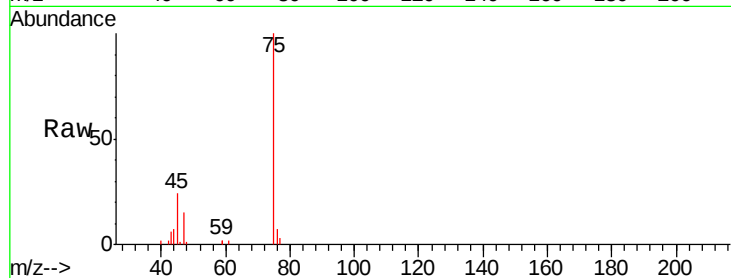
P001-SS022-0612-02RE

Tgt Ion: 43 Resp: 6470

Ion Ratio Lower Upper

43 100

72 0.0 13.7 20.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

2000

1500

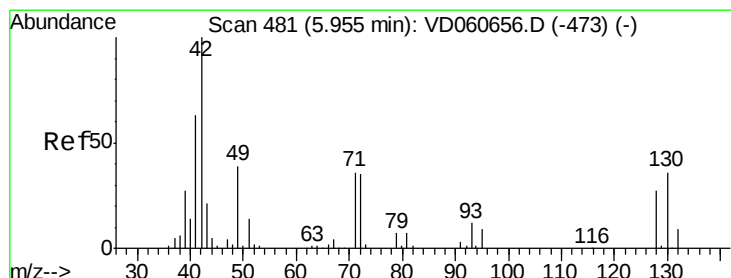
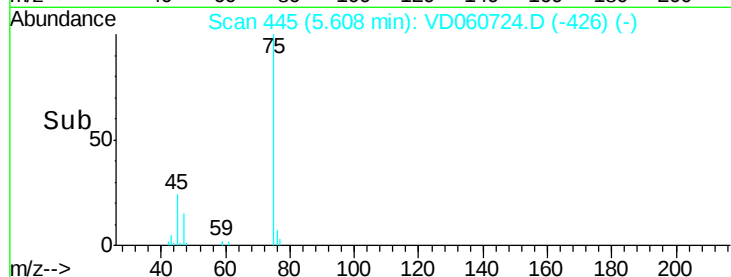
1000

500

0

5.50 5.60 5.70

Time-->



#29

Tetrahydrofuran

Concen: 2.282 ug/l

RT: 5.92 min Scan# 477

Delta R.T. -0.03 min

Lab File: VD060724.D

Acq: 27 Dec 2018 14:11

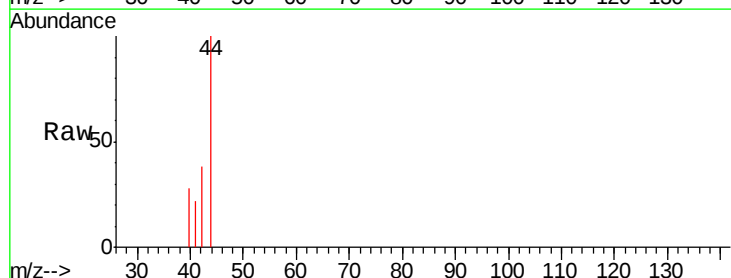
Tgt Ion: 42 Resp: 951

Ion Ratio Lower Upper

42 100

72 0.0 28.0 42.0#

71 0.0 27.0 40.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

600

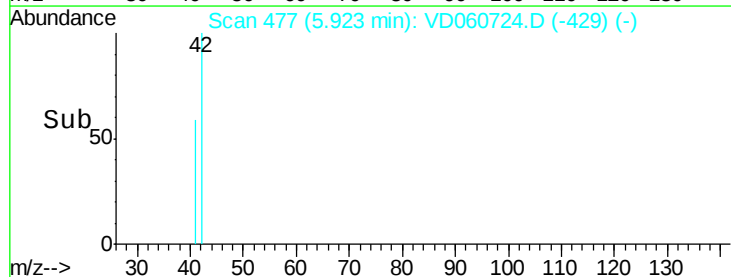
400

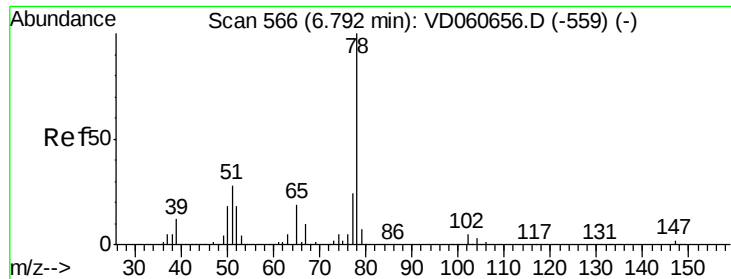
200

0

5.85 5.90 5.95

Time-->

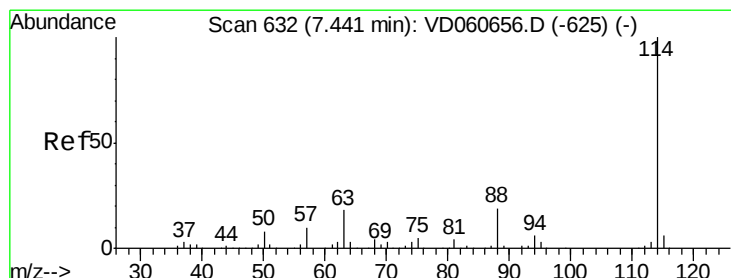
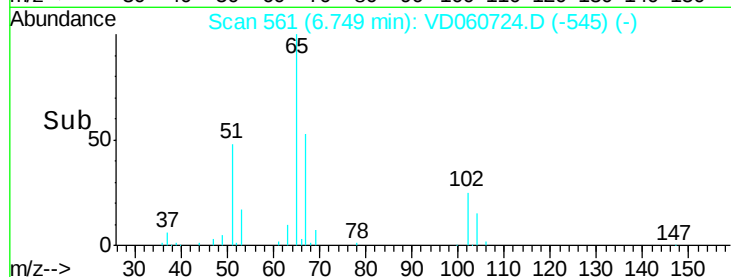
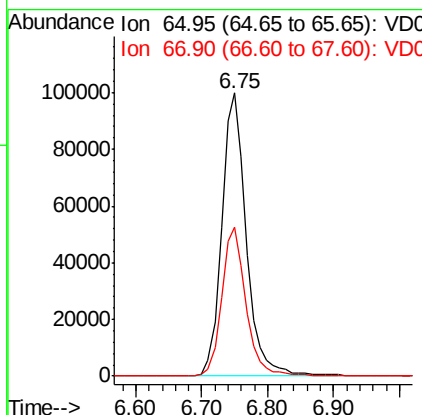
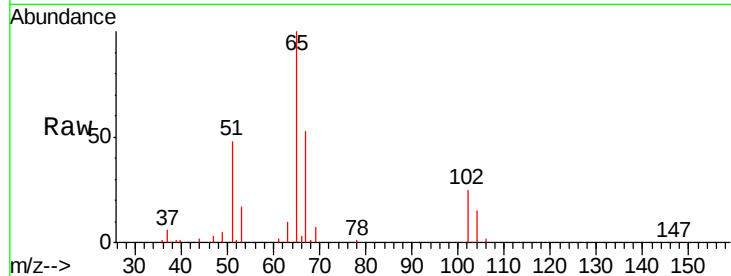




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.75 min Scan# 561
 Delta R.T. -0.04 min
 Lab File: VD060724.D
 Acq: 27 Dec 2018 14:11

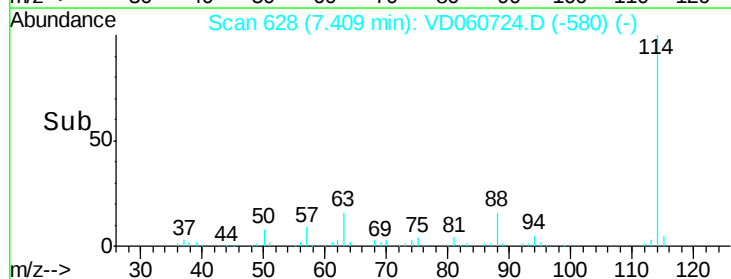
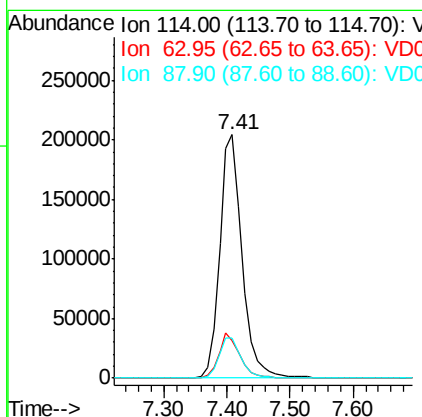
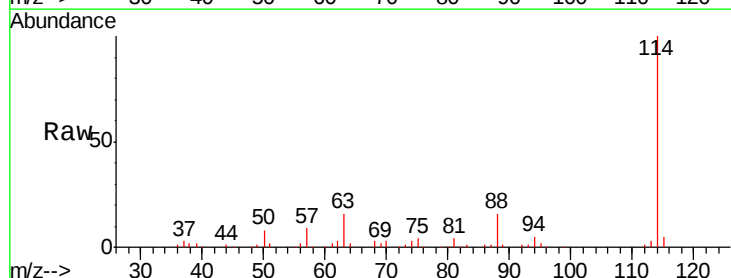
Instrument :
 MSVOA_D
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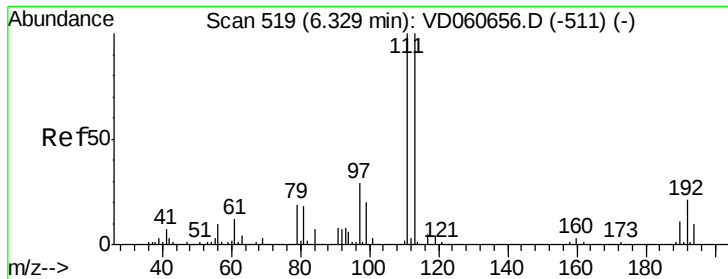
Tgt Ion: 65 Resp: 259053
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 628
 Delta R.T. -0.03 min
 Lab File: VD060724.D
 Acq: 27 Dec 2018 14:11

Tgt Ion: 114 Resp: 503592
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 36.2
 88 16.4 0.0 37.0

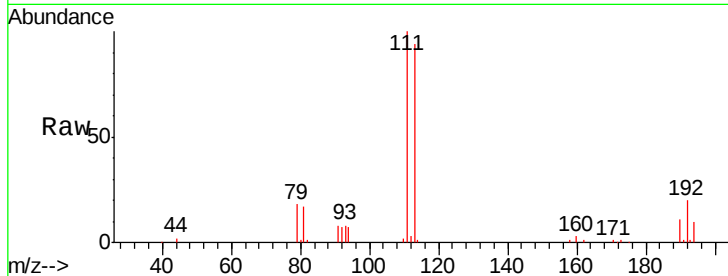




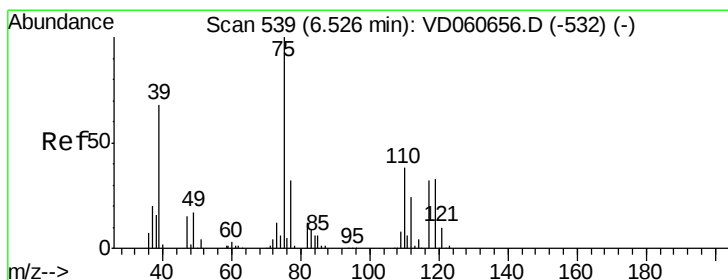
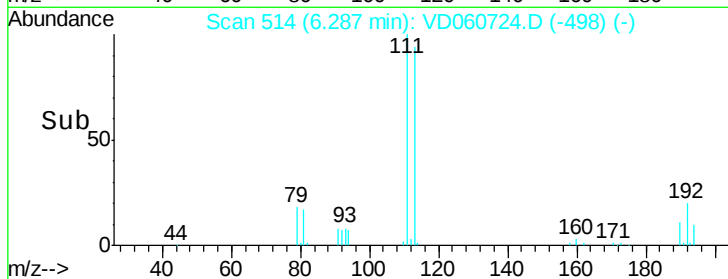
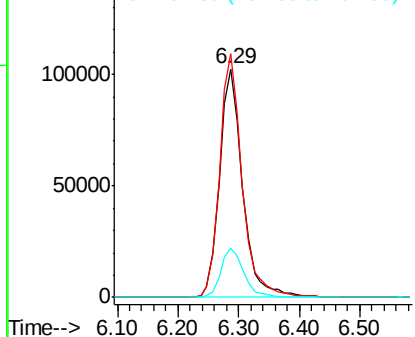
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 514
 Delta R.T. -0.04 min
 Lab File: VD060724.D
 Acq: 27 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS022-0612-02RE

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.6	80.0	120.0
192	21.3	16.6	25.0

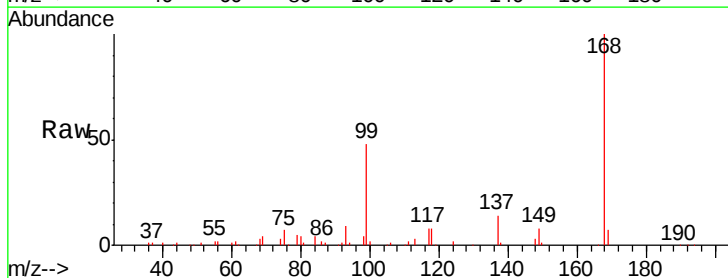


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

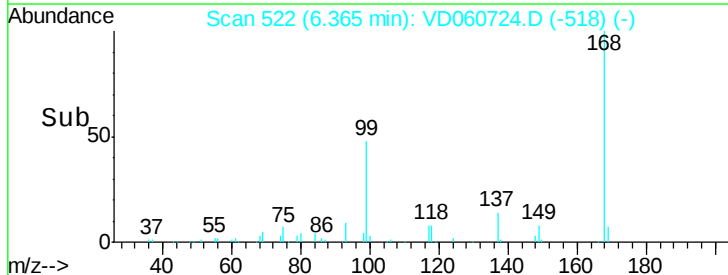
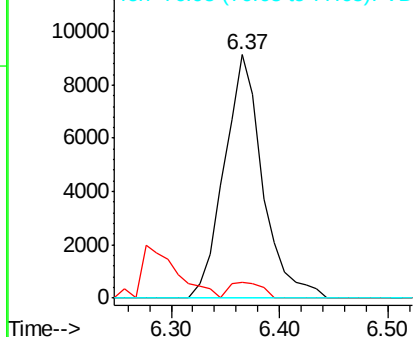


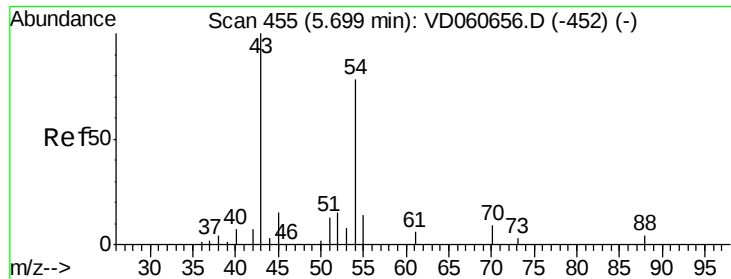
#36
 1,1-Dichloropropene
 Concen: 4.345 ug/l
 RT: 6.37 min Scan# 522
 Delta R.T. -0.16 min
 Lab File: VD060724.D
 Acq: 27 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	18.9	56.7#
77	0.0	25.4	38.0#



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

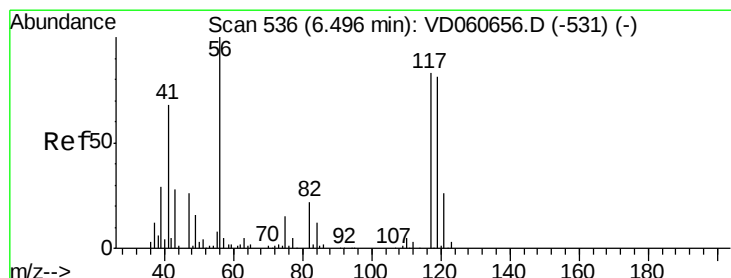
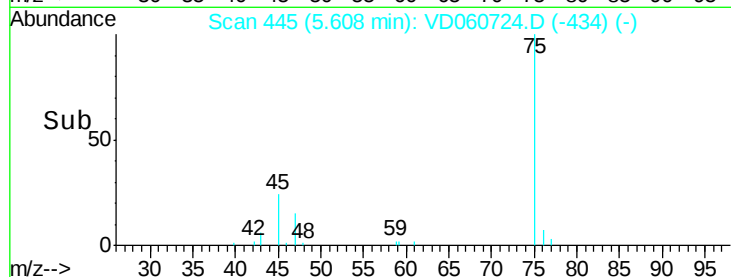
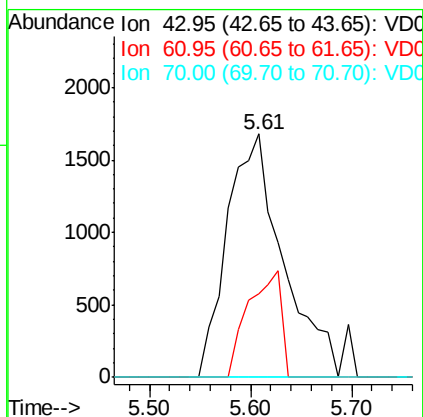
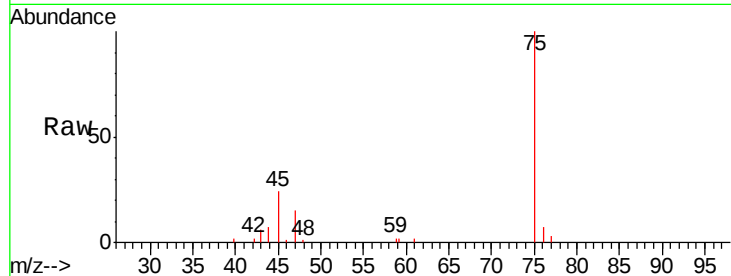




#37
Ethyl Acetate
Concen: 2.983 ug/l
RT: 5.61 min Scan# 445
Delta R.T. -0.09 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

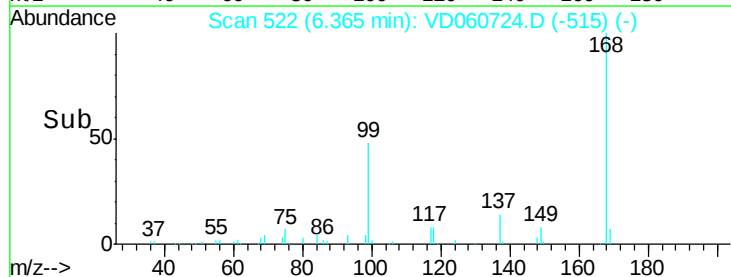
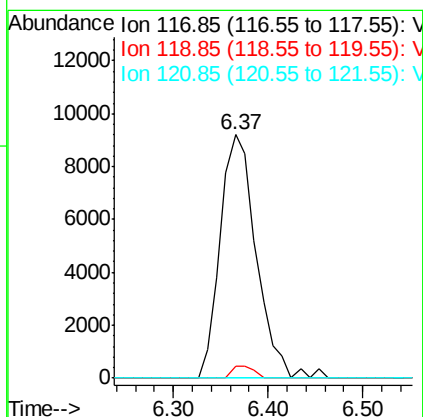
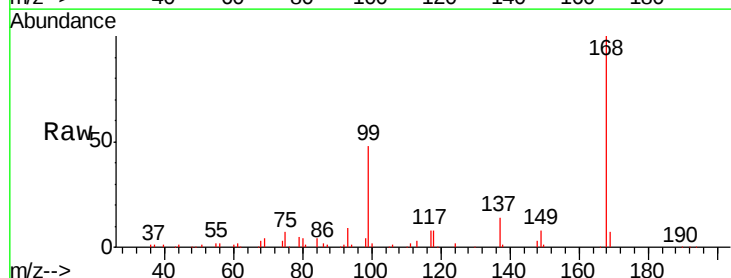
Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0612-02RE

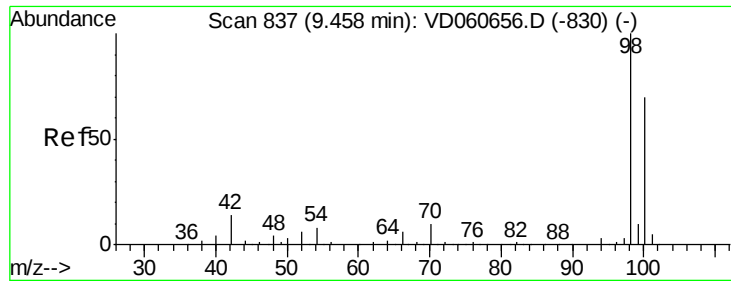
Tgt Ion: 43 Resp: 6470
Ion Ratio Lower Upper
43 100
61 34.5 11.8 17.6#
70 0.0 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 5.307 ug/l
RT: 6.37 min Scan# 522
Delta R.T. -0.13 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Tgt Ion: 117 Resp: 24280
Ion Ratio Lower Upper
117 100
119 4.8 77.0 115.4#
121 0.0 24.7 37.1#

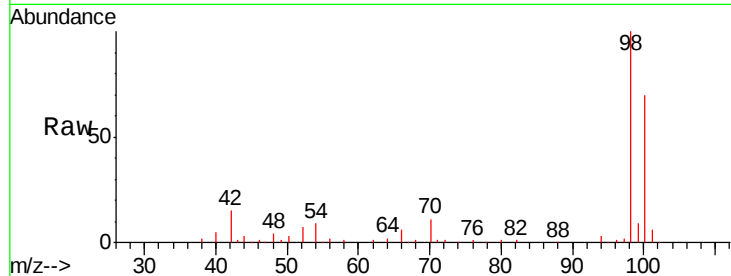




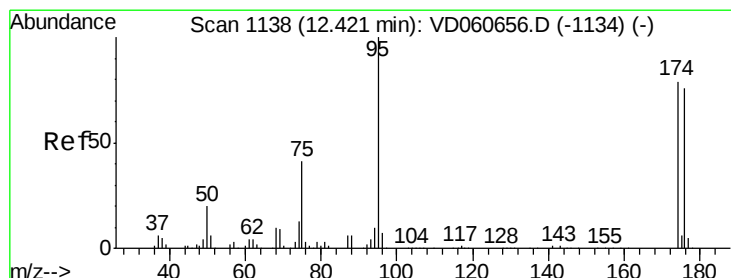
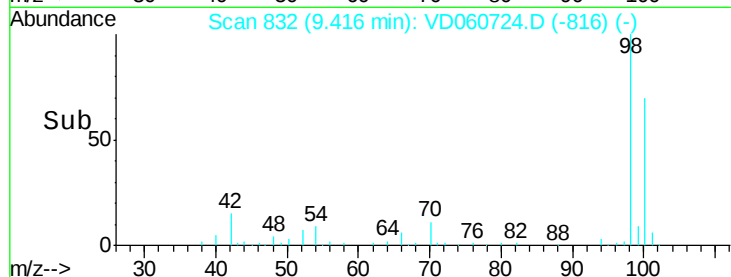
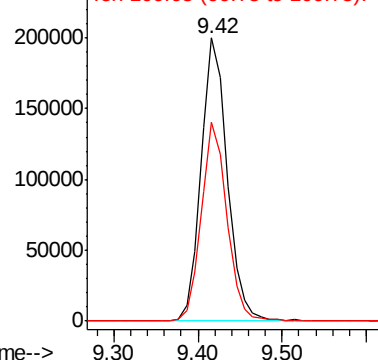
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.42 min Scan# 832
Delta R.T. -0.04 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0612-02RE

Tgt Ion: 98 Resp: 431421
Ion Ratio Lower Upper
98 100
100 70.1 55.8 83.8

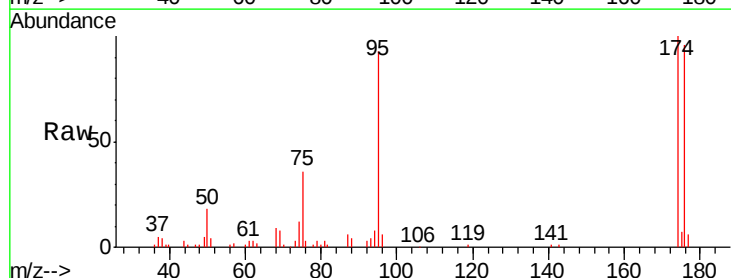


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

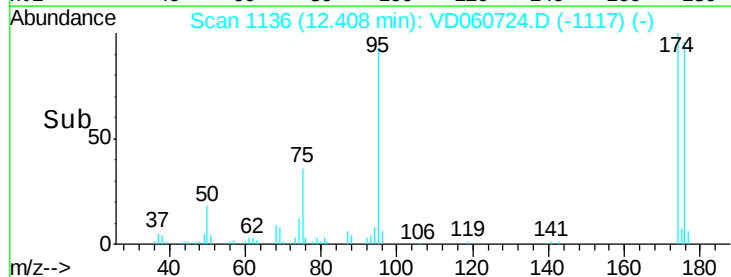
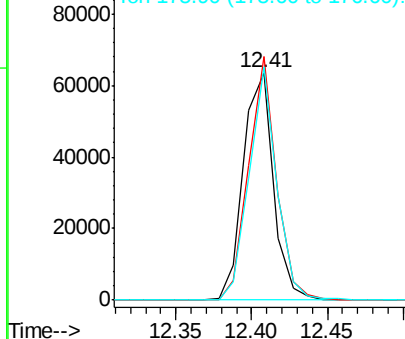


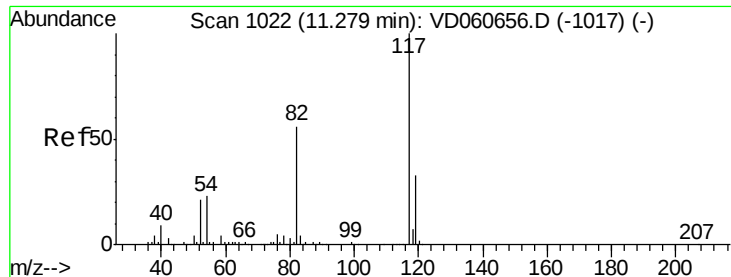
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Tgt Ion: 95 Resp: 87593
Ion Ratio Lower Upper
95 100
174 107.2 0.0 158.2
176 102.8 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

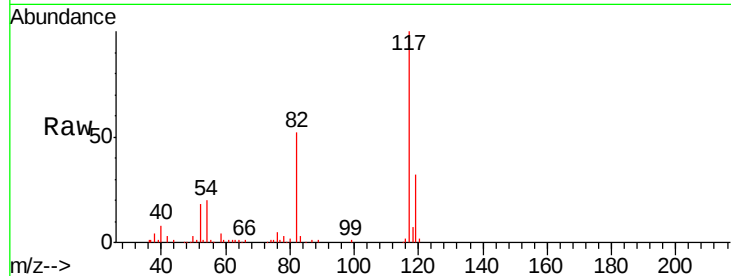




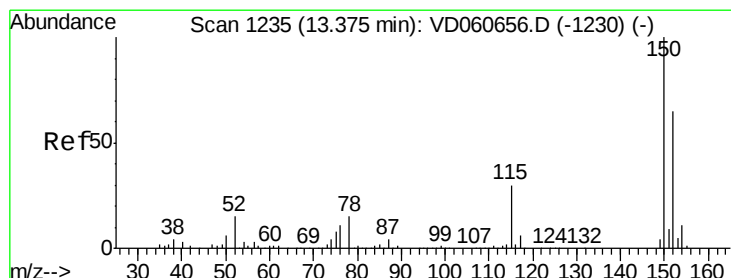
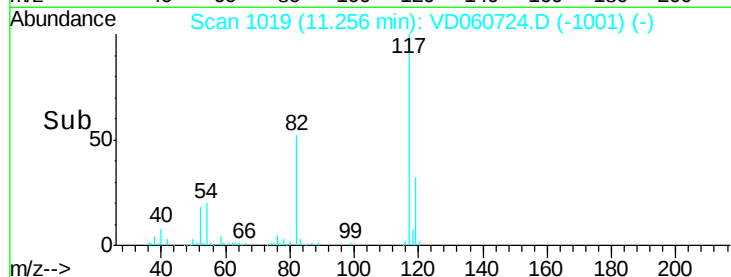
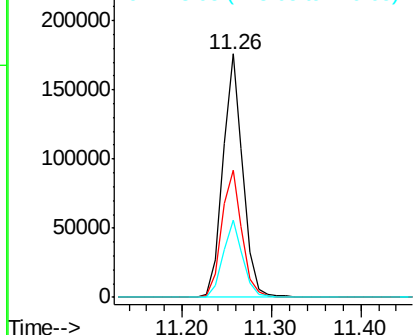
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0612-02RE

Tgt Ion:117 Resp: 277526
Ion Ratio Lower Upper
117 100
82 52.4 44.5 66.7
119 31.5 26.3 39.5

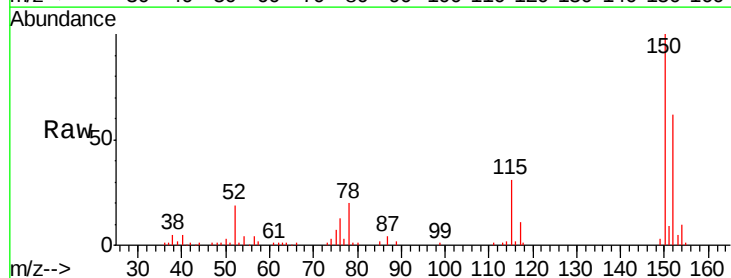


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

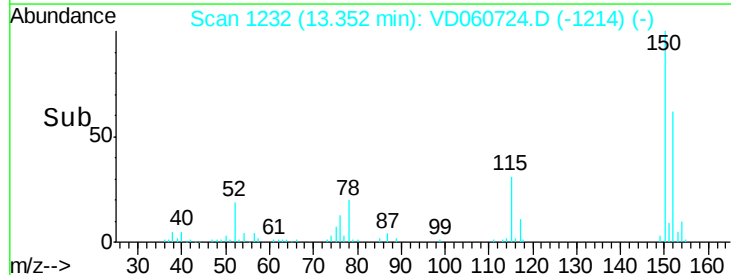
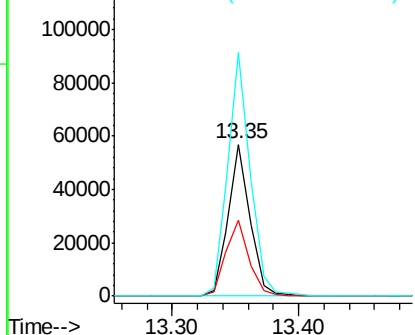


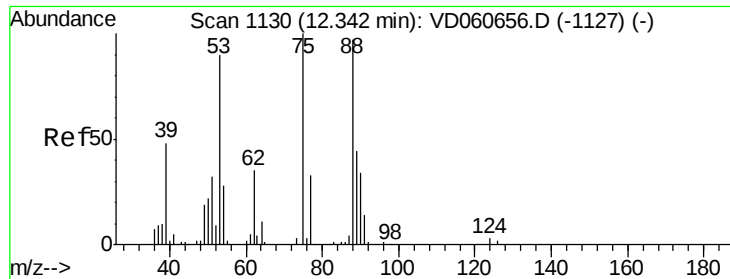
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Tgt Ion:152 Resp: 68487
Ion Ratio Lower Upper
152 100
115 50.3 24.1 72.3
150 160.5 0.0 315.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 169.289 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. 0.07 min

Lab File: VD060724.D

Acq: 27 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

P001-SS022-0612-02RE

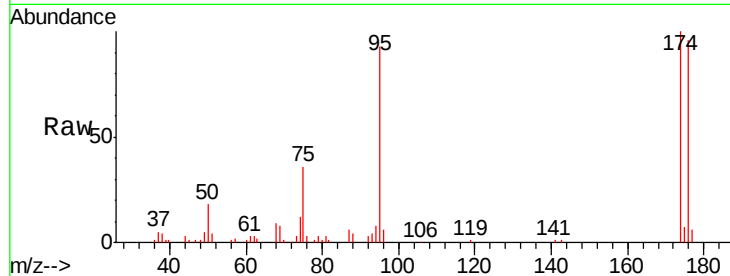
Tgt Ion: 75 Resp: 36474

Ion Ratio Lower Upper

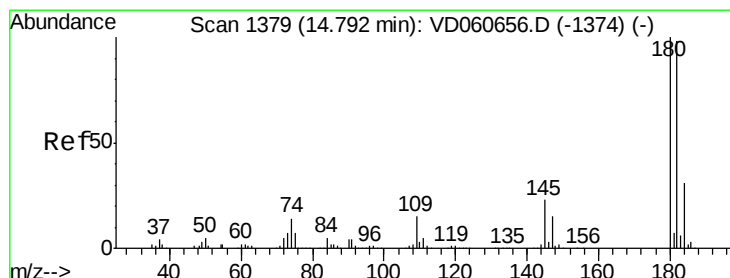
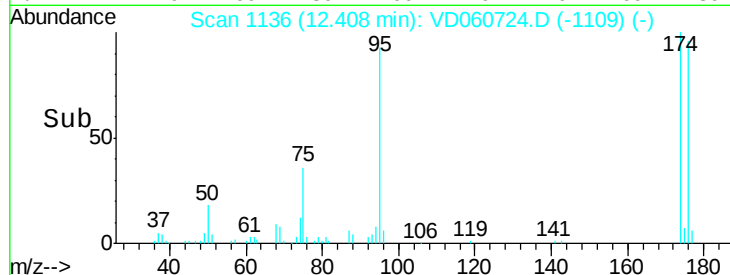
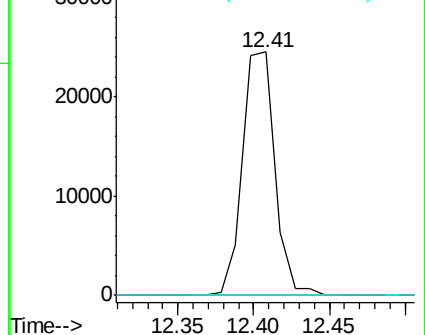
75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#93

1,2,4-Trichlorobenzene

Concen: 1.606 ug/l

RT: 14.77 min Scan# 1376

Delta R.T. -0.02 min

Lab File: VD060724.D

Acq: 27 Dec 2018 14:11

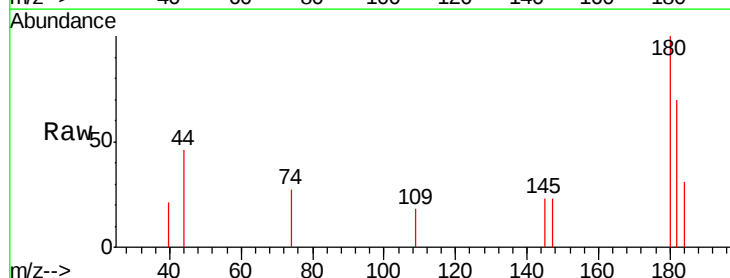
Tgt Ion: 180 Resp: 2423

Ion Ratio Lower Upper

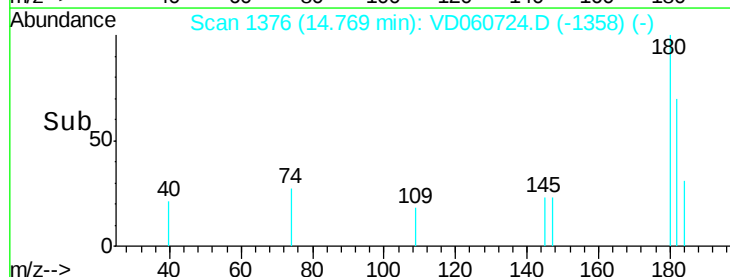
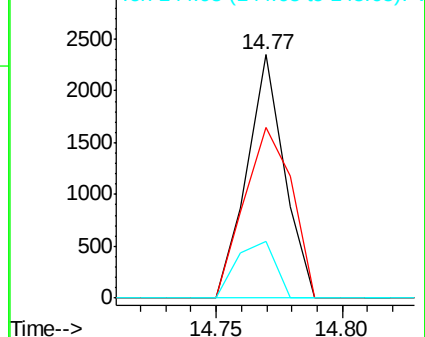
180 100

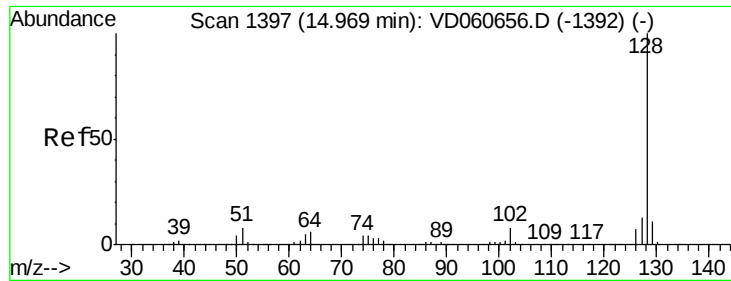
182 70.1 48.8 146.4

145 23.1 11.8 35.3



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

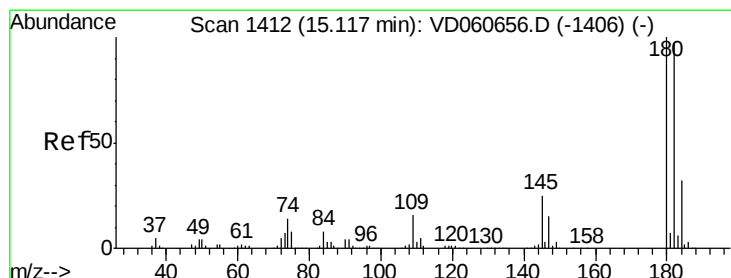
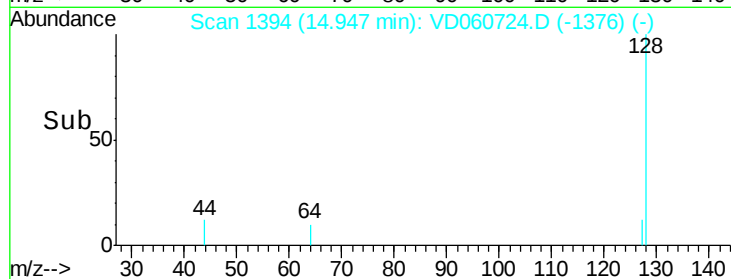
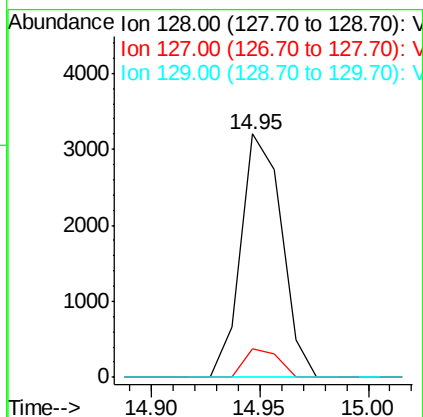
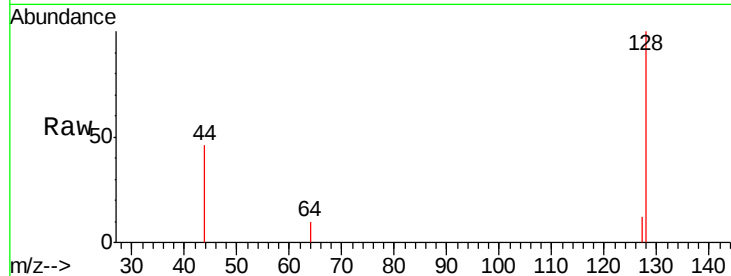




#95
Naphthalene
Concen: 2.339 ug/l
RT: 14.95 min Scan# 1394
Delta R.T. -0.02 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
P001-SS022-0612-02RE

Tgt Ion:128 Resp: 4193
Ion Ratio Lower Upper
128 100
127 11.6 10.1 15.1
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.318 ug/l
RT: 15.09 min Scan# 1409
Delta R.T. -0.02 min
Lab File: VD060724.D
Acq: 27 Dec 2018 14:11

Tgt Ion:180 Resp: 2734
Ion Ratio Lower Upper
180 100
182 84.3 48.6 145.9
145 30.8 12.6 37.8

