

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
 Data File : VD060747.D
 Acq On : 28 Dec 2018 15:36
 Operator : VA/AP
 Sample : J6193-15
 Misc : 6.22g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-122718-C

Quant Time: Dec 28 22:02:06 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	6.41	168	1424101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1943130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1521626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	629379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	543932	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	6.33	113	750204	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
50) Toluene-d8	9.46	98	2114975	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.43	95	638530	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	

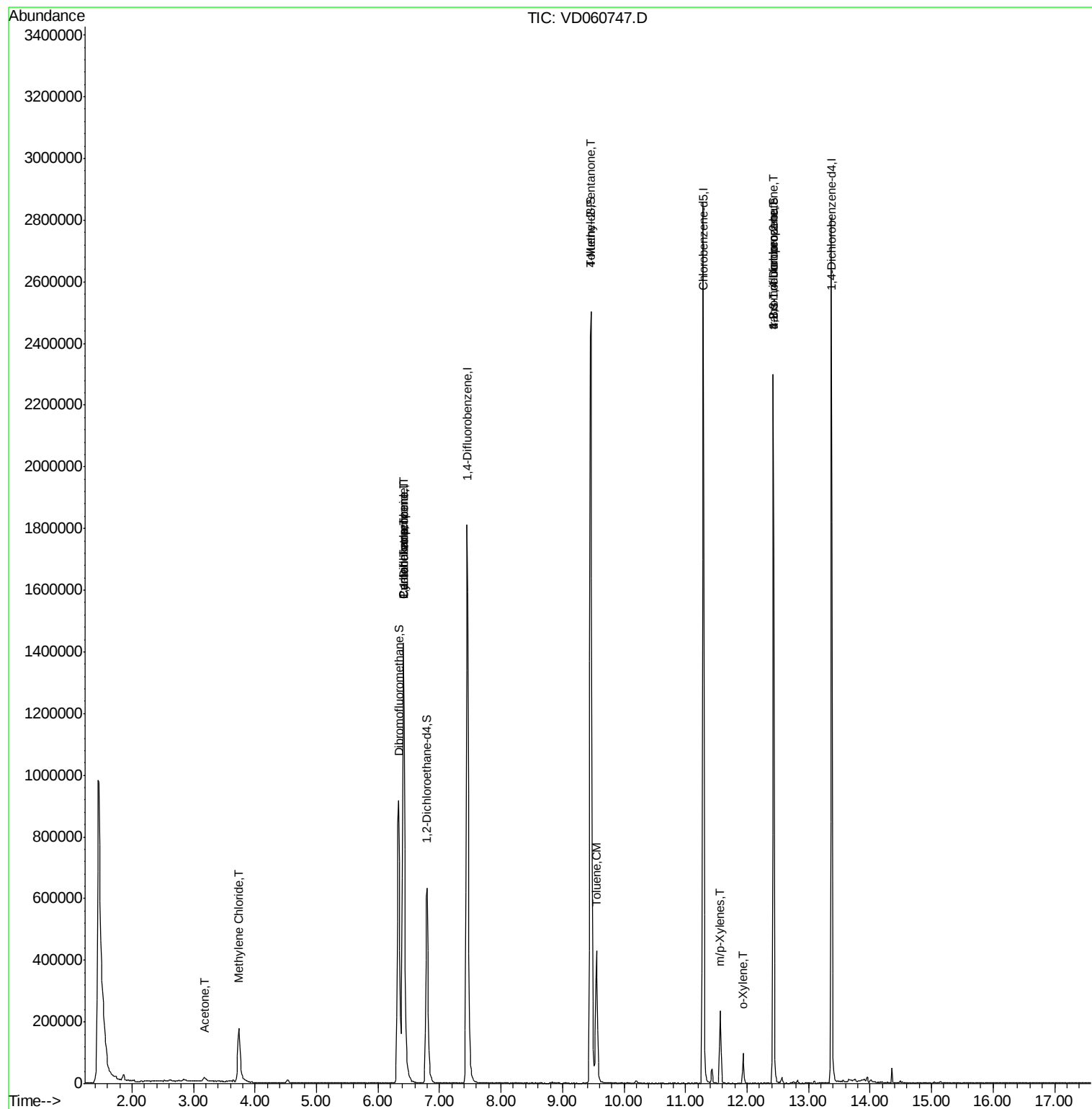
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.18	43	29384	17.097	ug/l #	90
20) Methylene Chloride	3.74	84	126964	7.113	ug/l	96
31) Cyclohexane	6.41	56	25220	1.015	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	101286	5.062	ug/l #	44
38) Carbon Tetrachloride	6.41	117	108643	6.155	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	11890	1.807	ug/l #	1
52) Toluene	9.55	92	215132	6.640	ug/l	94
68) m/p-Xylenes	11.56	106	72664	3.453	ug/l	99
69) o-Xylene	11.93	106	21550	1.080	ug/l	90
76) 1,2,3-Trichloropropane	12.43	75	201649	28.142	ug/l #	43
81) trans-1,4-Dichloro-2-buten	12.43	75	255256	128.919	ug/l #	13

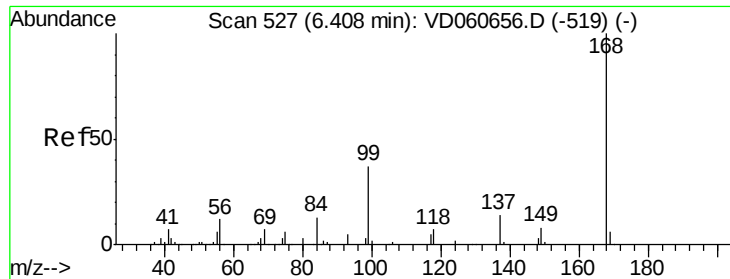
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122818\
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Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.01 min

Lab File: VD060747.D

Acq: 28 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

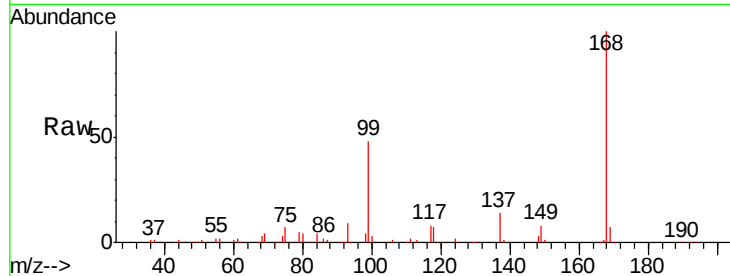
CL-02-122718-C

Tgt Ion:168 Resp: 1424101

Ion Ratio Lower Upper

168 100

99 48.0 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

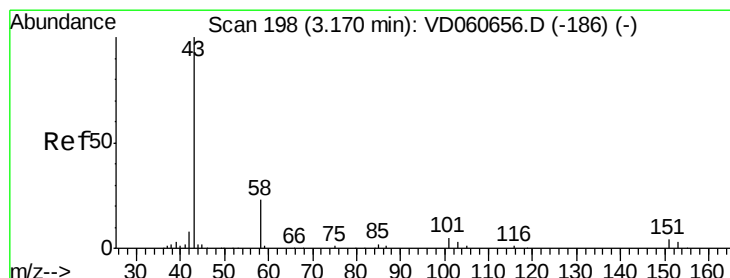
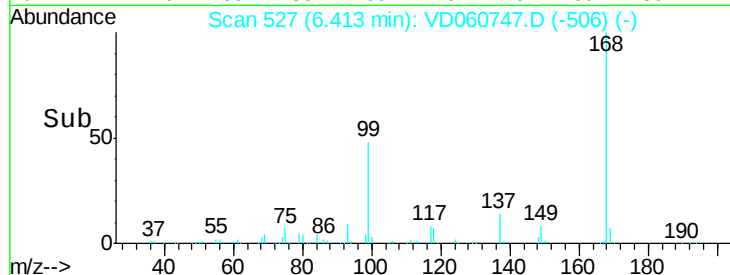
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 17.097 ug/l

RT: 3.18 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD060747.D

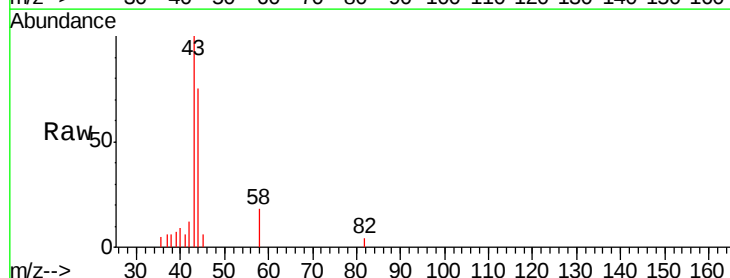
Acq: 28 Dec 2018 15:36

Tgt Ion: 43 Resp: 29384

Ion Ratio Lower Upper

43 100

58 17.7 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.18

8000

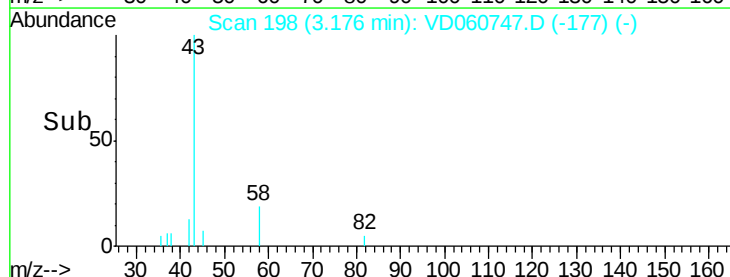
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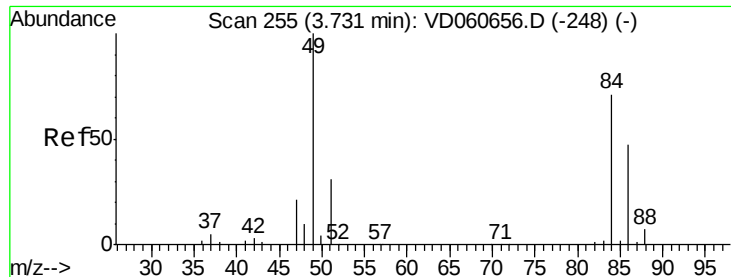
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2000

0

Time-->

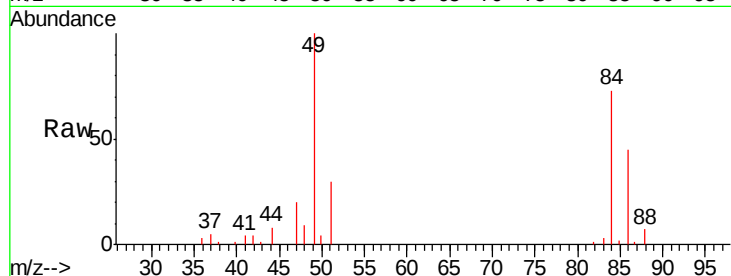




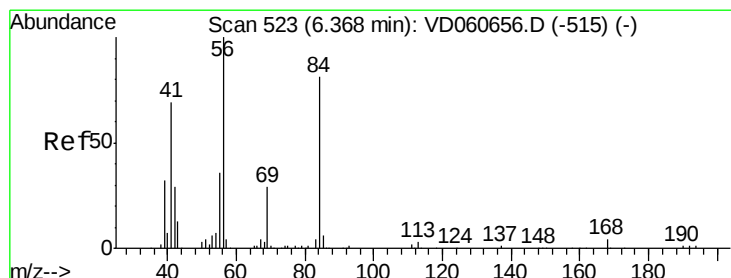
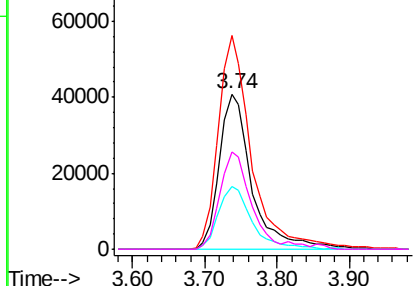
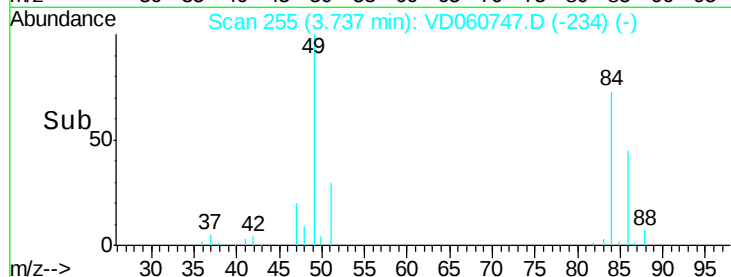
#20
Methylene Chloride
Concen: 7.113 ug/l
RT: 3.74 min Scan# 255
Delta R.T. 0.01 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

Instrument :
MSVOA_D
ClientSampleId :
CL-02-122718-C

Tgt Ion: 84 Resp: 126964
Ion Ratio Lower Upper
84 100
49 137.3 113.6 170.4
51 40.7 34.7 52.1
86 62.4 52.8 79.2

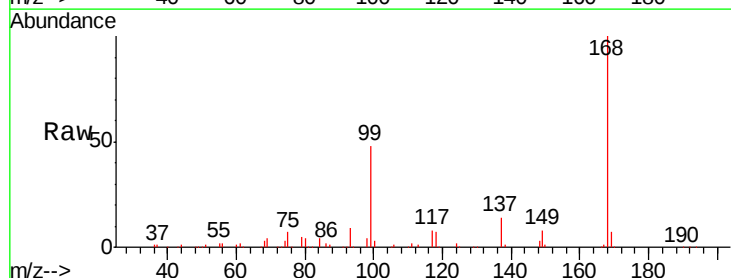


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

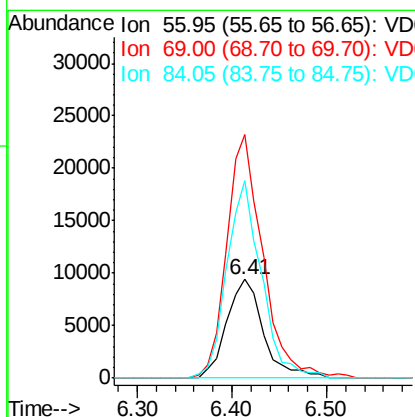
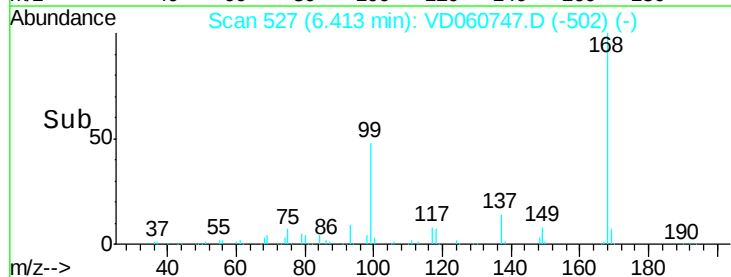


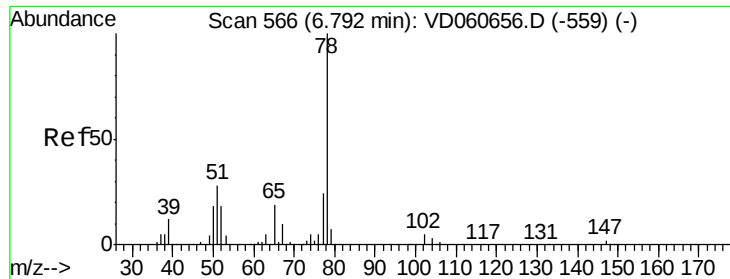
#31
Cyclohexane
Concen: 1.015 ug/l
RT: 6.41 min Scan# 527
Delta R.T. 0.05 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

Tgt Ion: 56 Resp: 25220
Ion Ratio Lower Upper
56 100
69 246.7 23.6 35.4#
84 200.0 65.8 98.6#



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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.80 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD060747.D

Acq: 28 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

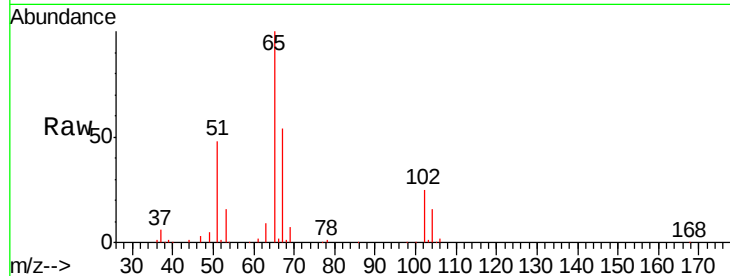
CL-02-122718-C

Tgt Ion: 65 Resp: 543932

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

200000

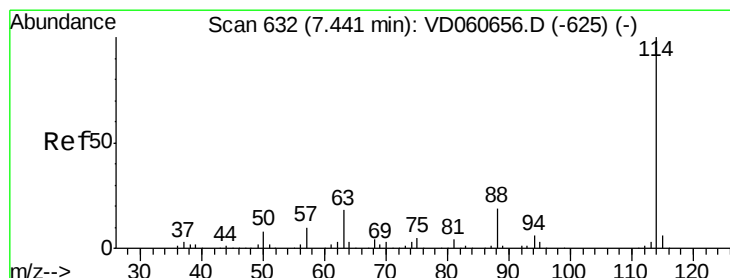
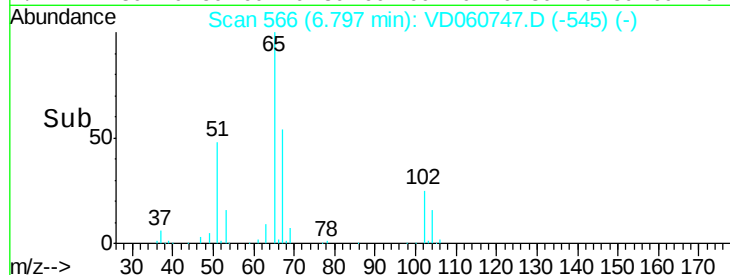
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 632

Delta R.T. 0.01 min

Lab File: VD060747.D

Acq: 28 Dec 2018 15:36

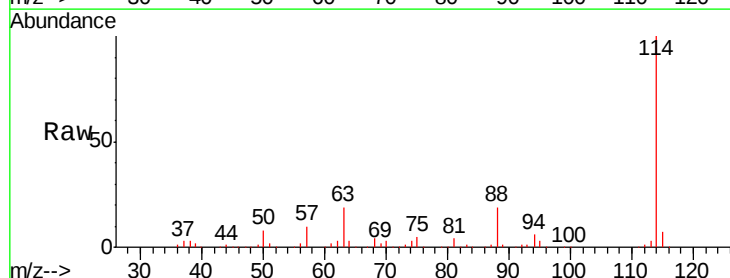
Tgt Ion: 114 Resp: 1943130

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

88 18.8 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.45

1000000

800000

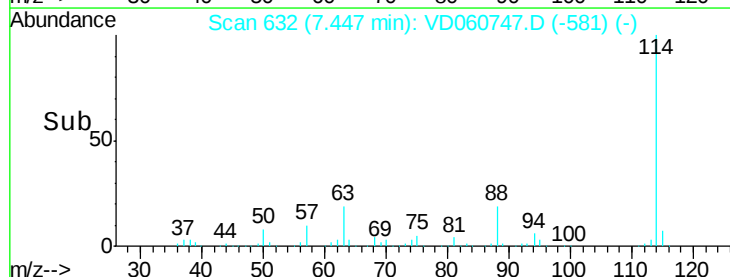
600000

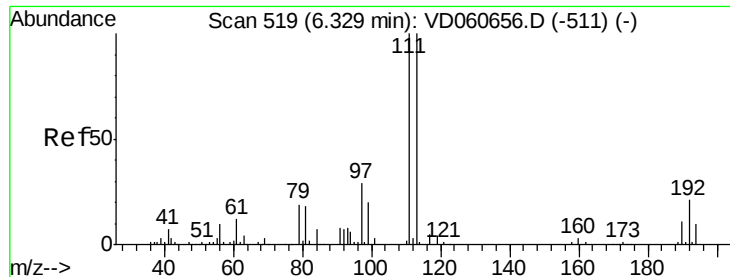
400000

200000

0

Time-->

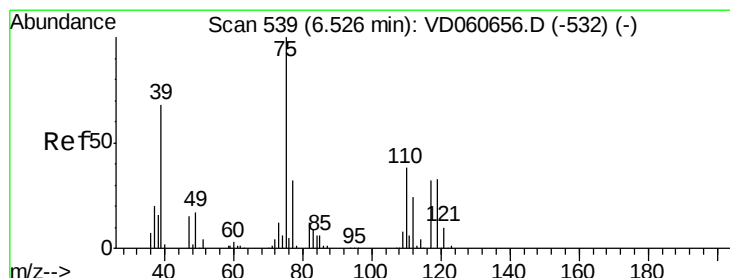
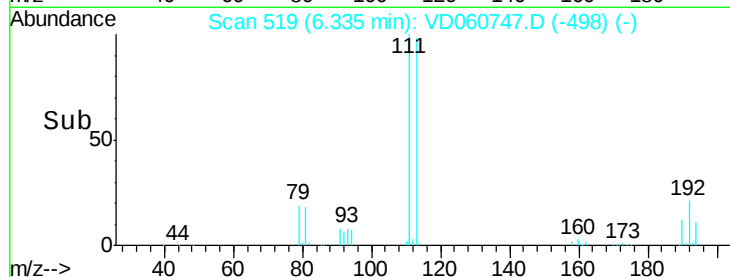
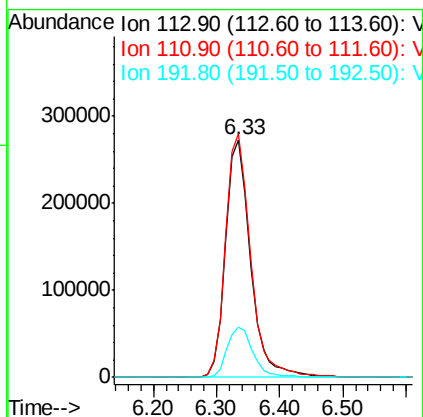
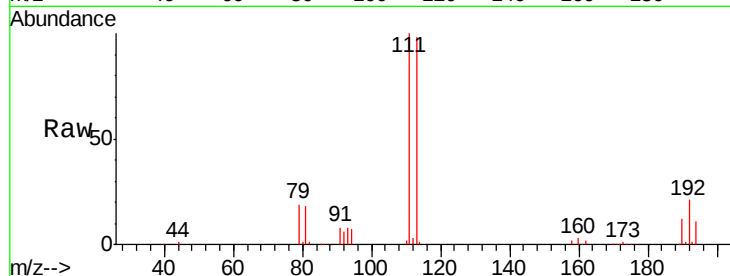




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

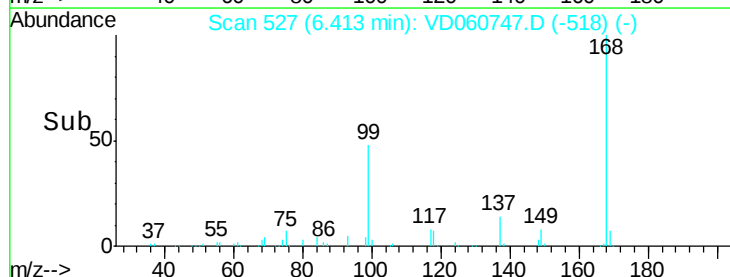
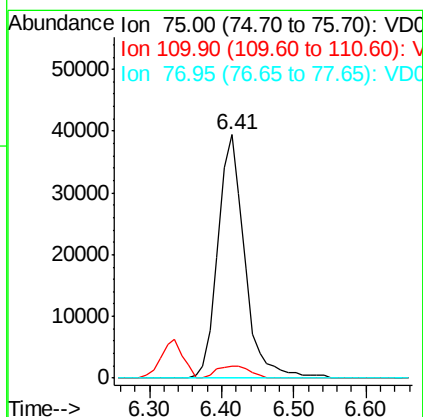
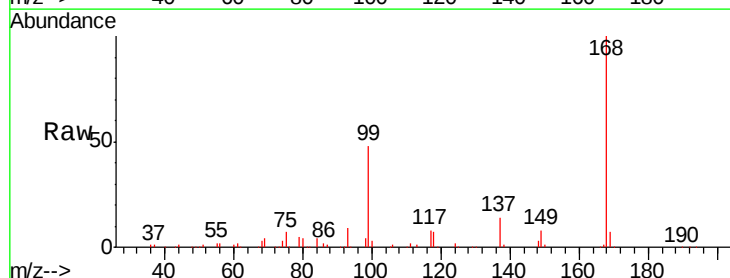
Instrument :
MSVOA_D
ClientSampleId :
CL-02-122718-C

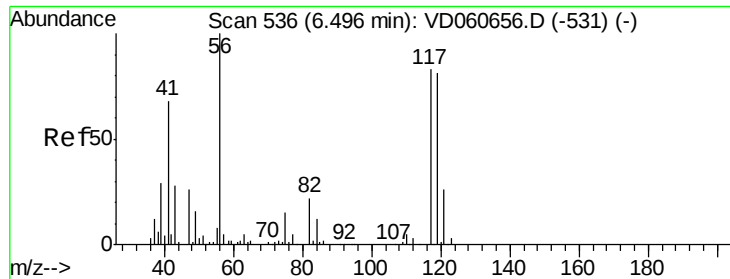
Tgt Ion:113 Resp: 750204
Ion Ratio Lower Upper
113 100
111 102.4 80.0 120.0
192 21.0 16.6 25.0



#36
1,1-Dichloropropene
Concen: 5.062 ug/l
RT: 6.41 min Scan# 527
Delta R.T. -0.11 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

Tgt Ion: 75 Resp: 101286
Ion Ratio Lower Upper
75 100
110 4.9 18.9 56.7#
77 0.0 25.4 38.0#

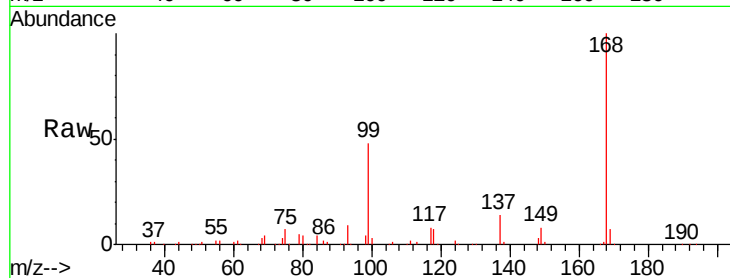




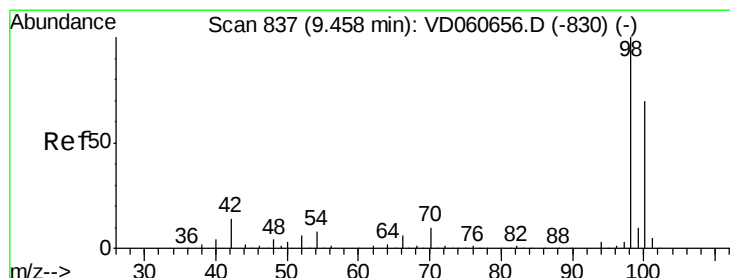
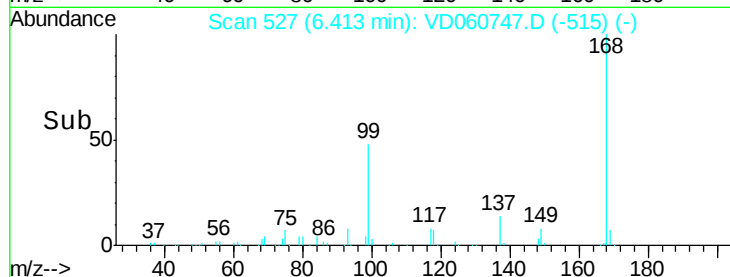
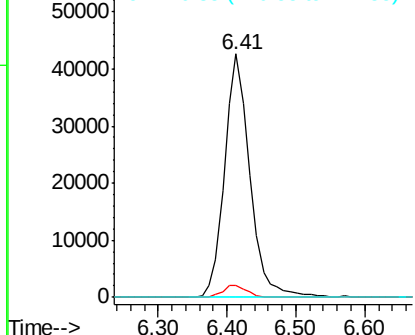
#38
Carbon Tetrachloride
Concen: 6.155 ug/l
RT: 6.41 min Scan# 527
Delta R.T. -0.08 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

Instrument :
MSVOA_D
ClientSampleId :
CL-02-122718-C

Tgt Ion:117 Resp: 108643
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.4#
121 0.0 24.7 37.1#

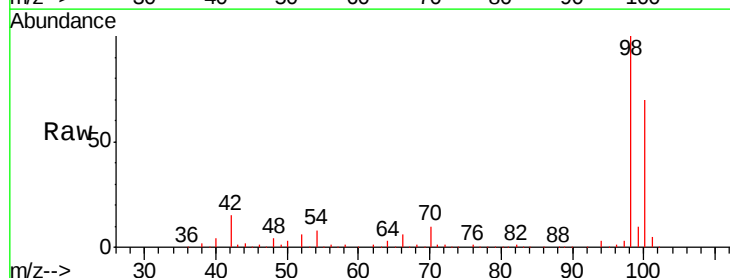


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

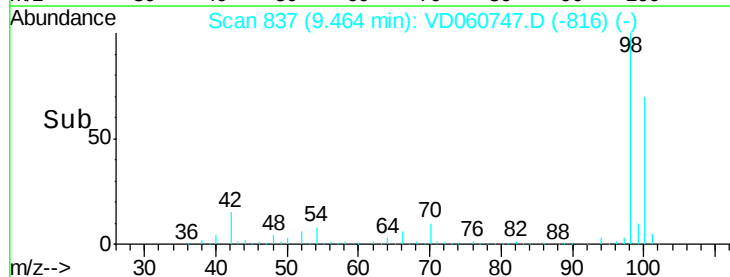
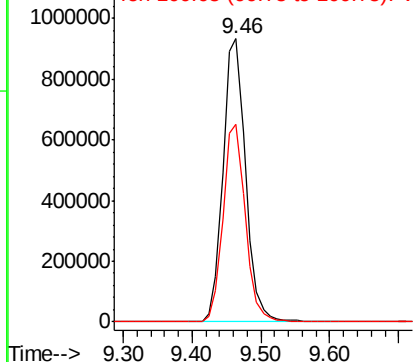


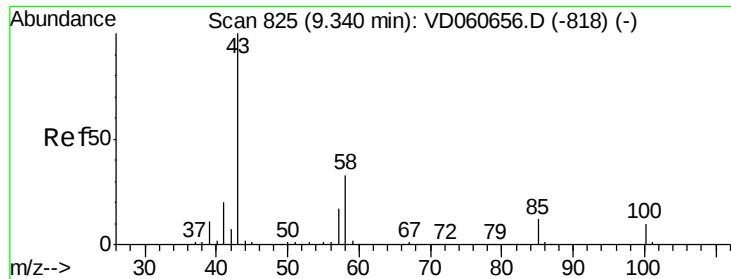
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 837
Delta R.T. 0.01 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

Tgt Ion: 98 Resp: 2114975
Ion Ratio Lower Upper
98 100
100 69.6 55.8 83.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.807 ug/l

RT: 9.46 min Scan# 837

Delta R.T. 0.12 min

Lab File: VD060747.D

Acq: 28 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

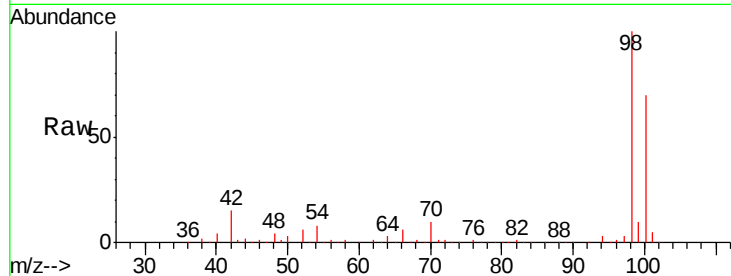
CL-02-122718-C

Tgt Ion: 43 Resp: 11890

Ion Ratio Lower Upper

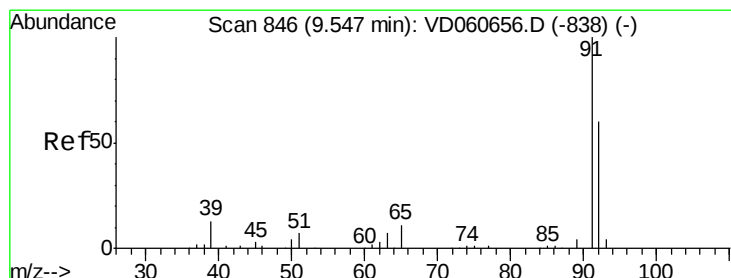
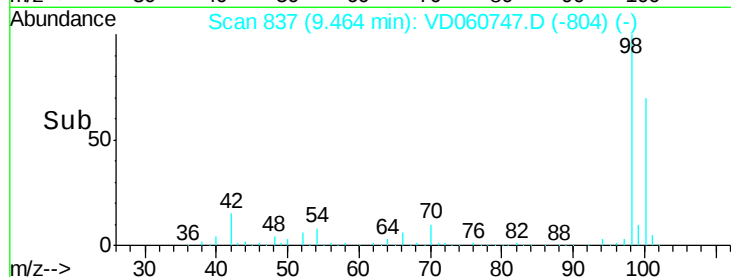
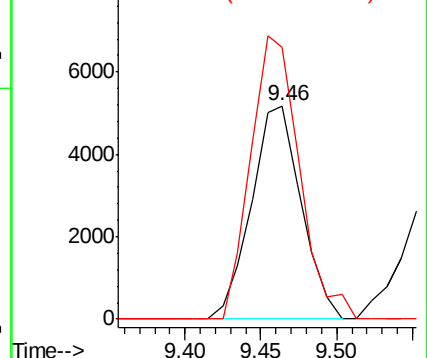
43 100

58 127.2 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 6.640 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.01 min

Lab File: VD060747.D

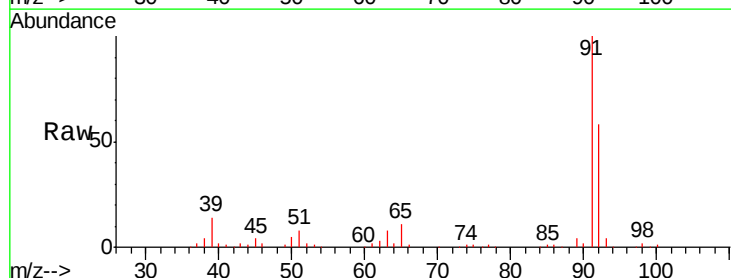
Acq: 28 Dec 2018 15:36

Tgt Ion: 92 Resp: 215132

Ion Ratio Lower Upper

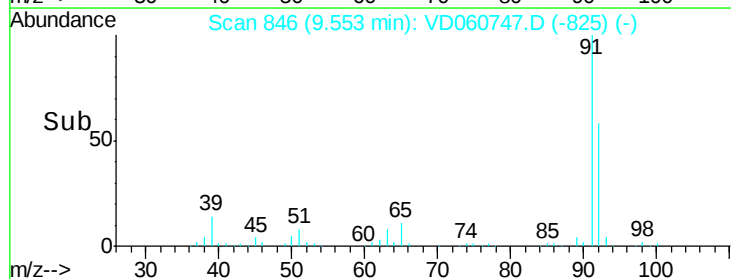
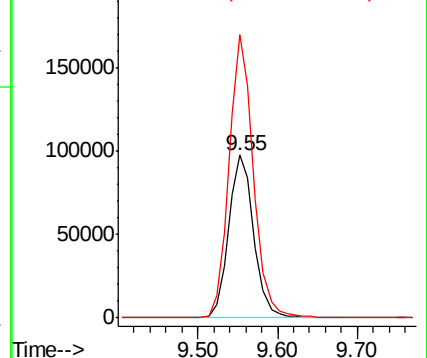
92 100

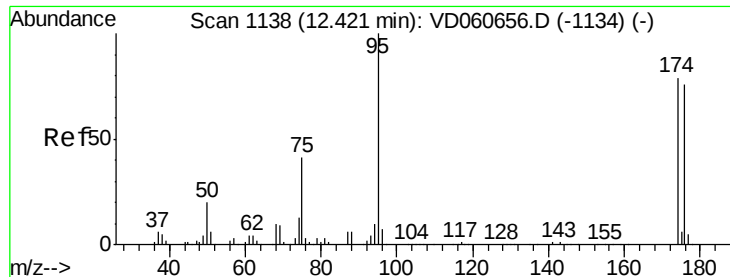
91 173.7 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

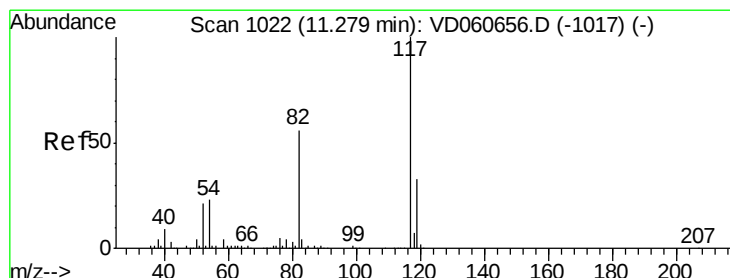
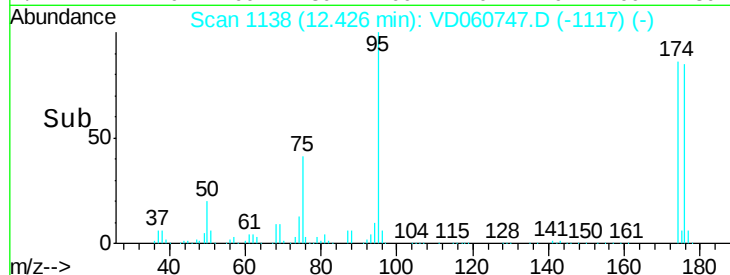
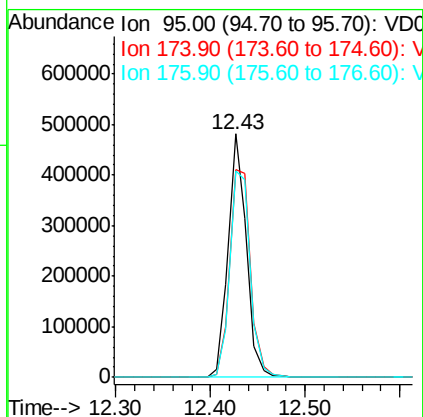
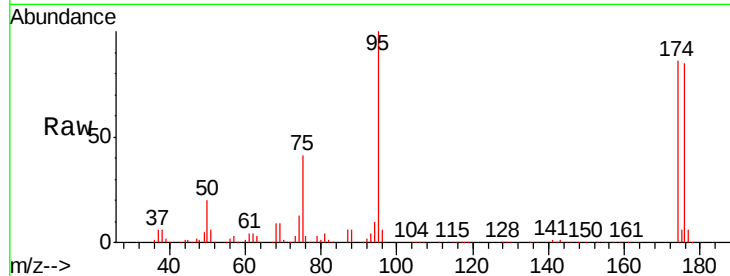




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

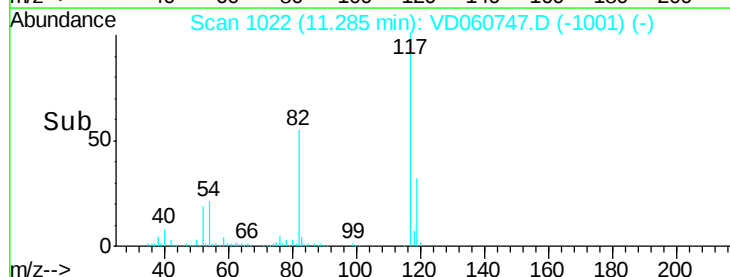
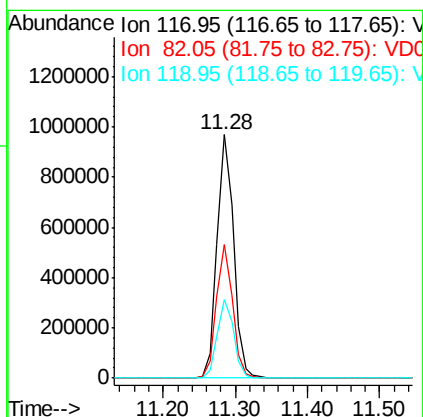
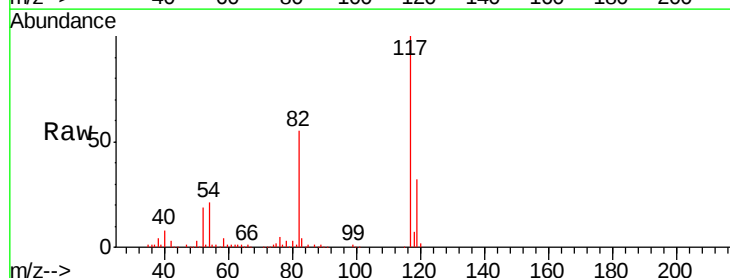
Instrument :
MSVOA_D
ClientSampleId :
CL-02-122718-C

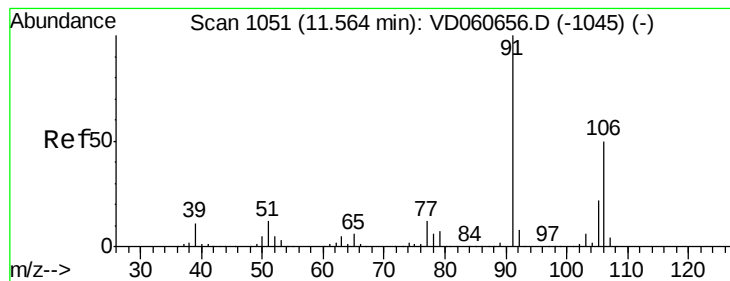
Tgt Ion: 95 Resp: 638530
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.2
176 84.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060747.D
Acq: 28 Dec 2018 15:36

Tgt Ion: 117 Resp: 1521626
Ion Ratio Lower Upper
117 100
82 54.8 44.5 66.7
119 32.5 26.3 39.5





#68

m/p-Xylenes

Concen: 3.453 ug/l

RT: 11.56 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD060747.D

Acq: 28 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

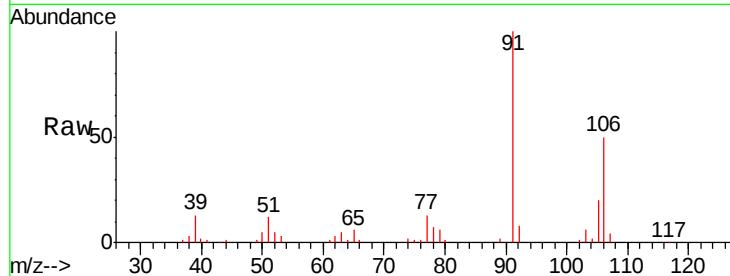
CL-02-122718-C

Tgt Ion:106 Resp: 72664

Ion Ratio Lower Upper

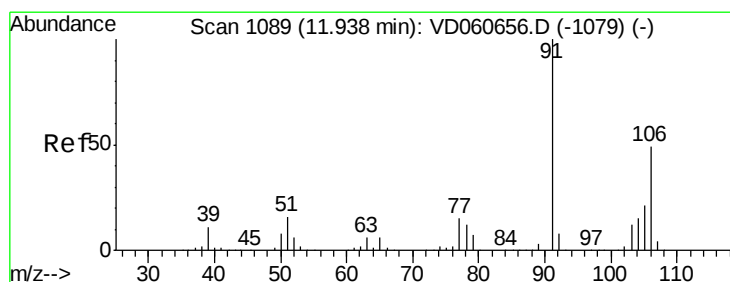
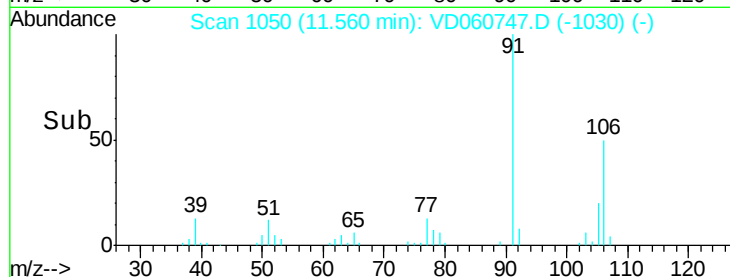
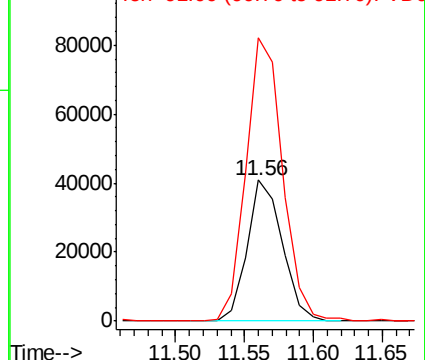
106 100

91 200.8 158.9 238.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 1.080 ug/l

RT: 11.93 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VD060747.D

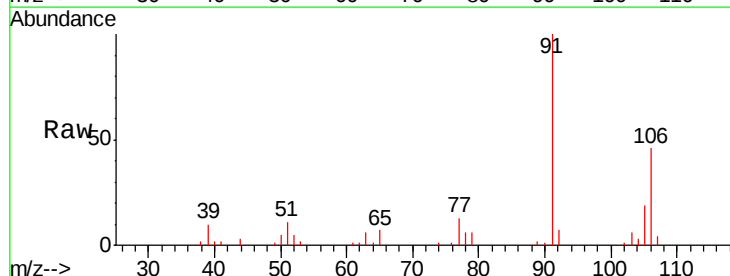
Acq: 28 Dec 2018 15:36

Tgt Ion:106 Resp: 21550

Ion Ratio Lower Upper

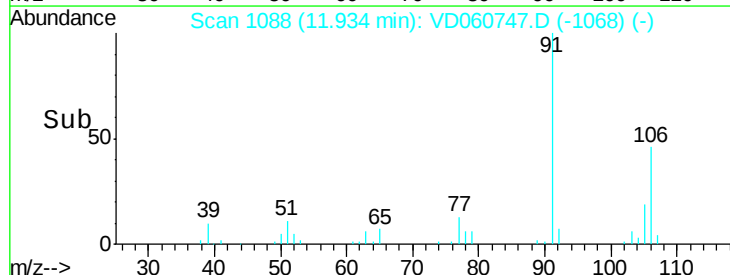
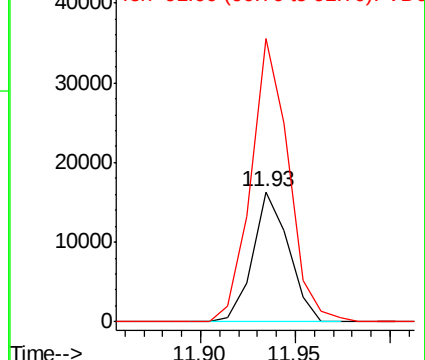
106 100

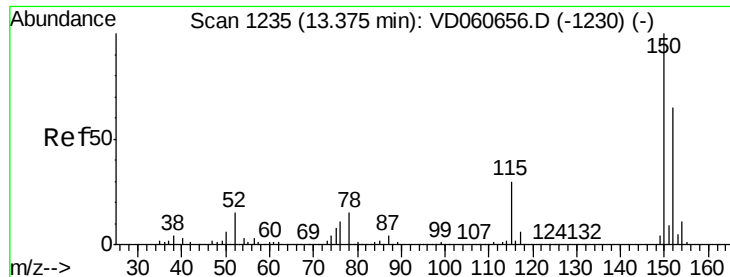
91 217.7 101.5 304.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VD060747.D

Acq: 28 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

CL-02-122718-C

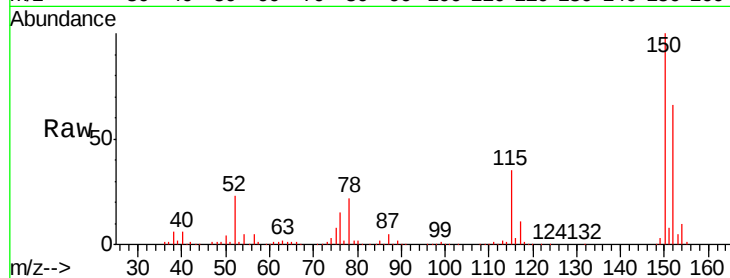
Tgt Ion:152 Resp: 629379

Ion Ratio Lower Upper

152 100

115 53.5 24.1 72.3

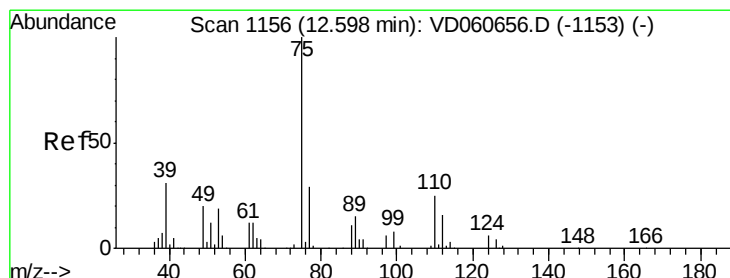
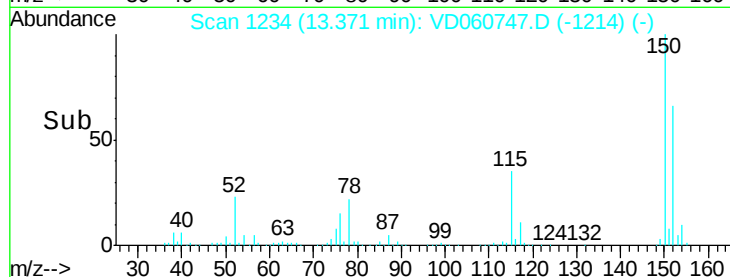
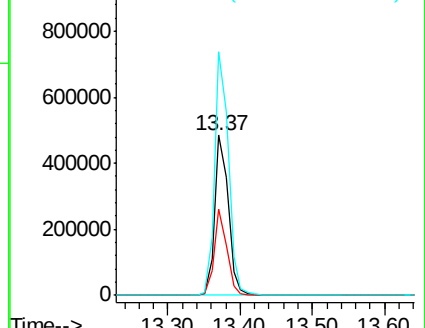
150 152.1 0.0 315.0



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



#76

1,2,3-Trichloropropane

Concen: 28.142 ug/l

RT: 12.43 min Scan# 1138

Delta R.T. -0.17 min

Lab File: VD060747.D

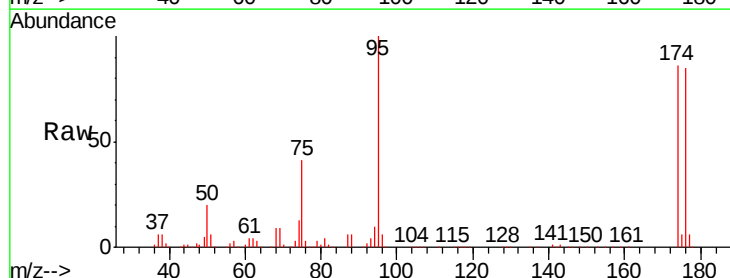
Acq: 28 Dec 2018 15:36

Tgt Ion: 75 Resp: 201649

Ion Ratio Lower Upper

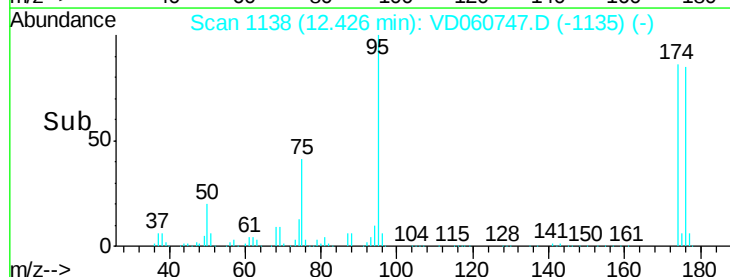
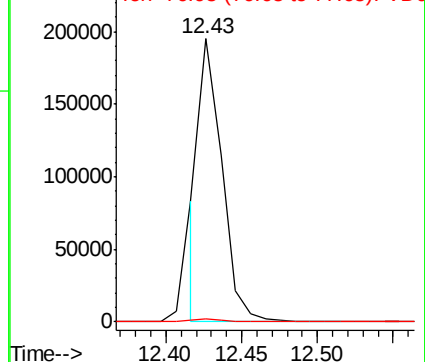
75 100

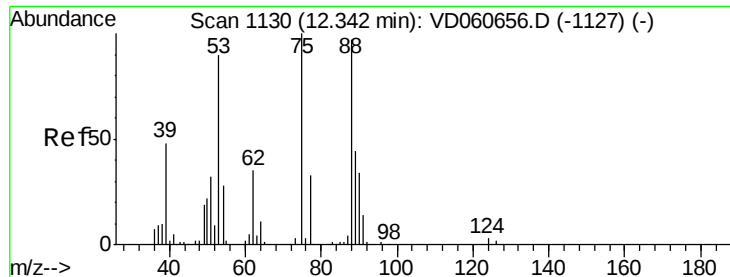
77 1.2 16.7 50.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 128.919 ug/l

RT: 12.43 min Scan# 1138

Delta R.T. 0.08 min

Lab File: VD060747.D

Acq: 28 Dec 2018 15:36

Instrument :

MSVOA_D

ClientSampleId :

CL-02-122718-C

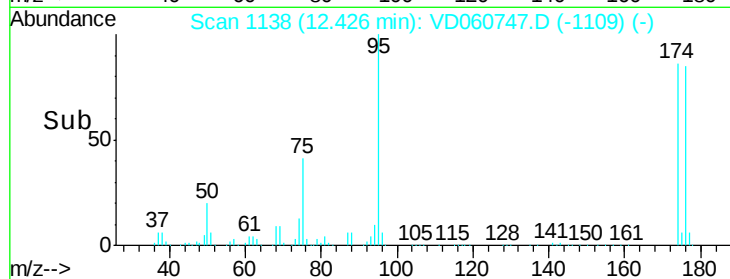
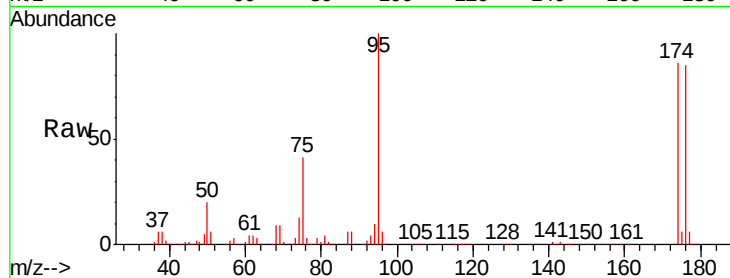
Tgt Ion: 75 Resp: 255256

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

