

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061456.D
 Acq On : 31 Mar 2019 19:32
 Operator : VA/AP
 Sample : K2130-02RE
 Misc : 6.42g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:55:47 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	7.07	168	523018	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	891581	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	684127	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	274350	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	212601	47.58	ug/l	0.04
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	6.94	113	323610	47.50	ug/l	0.04
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	10.43	98	721756	44.17	ug/l	0.04
Spiked Amount			Recovery	=	88.34%	
62) 4-Bromofluorobenzene	13.57	95	258712	41.29	ug/l	0.02
Spiked Amount			Recovery	=	82.58%	

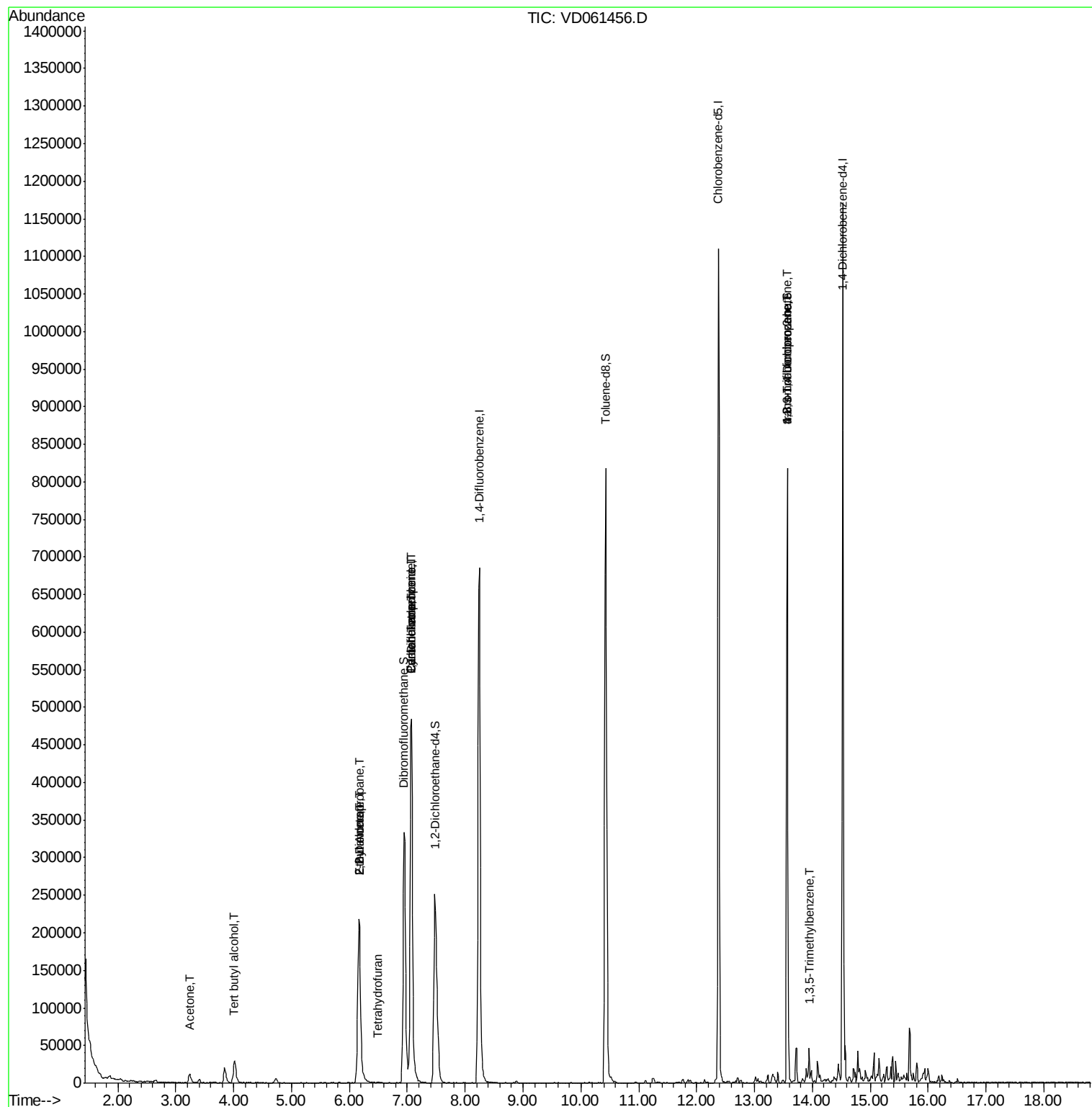
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.01	59	31158	111.982	ug/l #	76
16) Acetone	3.24	43	24790	21.584	ug/l	92
25) 2-Butanone	6.16	43	13518	9.357	ug/l #	54
26) 2,2-Dichloropropane	6.17	77	17162	2.217	ug/l #	50
29) Tetrahydrofuran	6.49	42	1083	1.547	ug/l #	30
31) Cyclohexane	7.07	56	9114	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	38669	4.969	ug/l #	47
37) Ethyl Acetate	6.16	43	13517	4.062	ug/l #	1
38) Carbon Tetrachloride	7.07	117	50270	5.622	ug/l #	14
76) 1,2,3-Trichloropropane	13.57	75	96705	24.402	ug/l #	45
80) 1,3,5-Trimethylbenzene	13.94	105	19152	1.293	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.57	75	97217	80.455	ug/l #	18

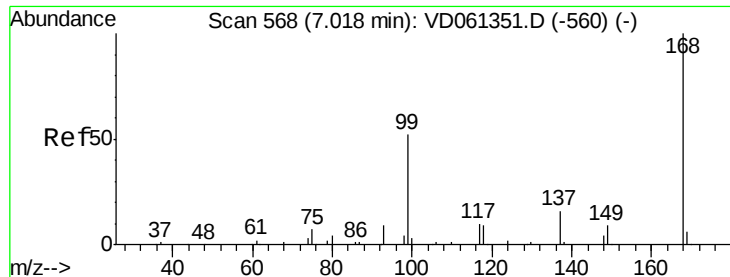
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061456.D

Acq: 31 Mar 2019 19:32

Instrument :

MSVOA_D

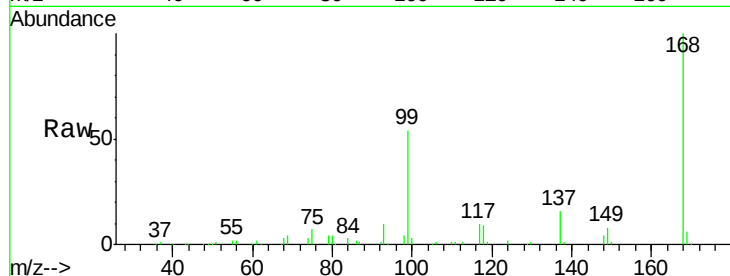
ClientSampleId :

Tot Ion:168 Resp: 523018

Ion Ratio Lower Upper

168 100

99 53.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

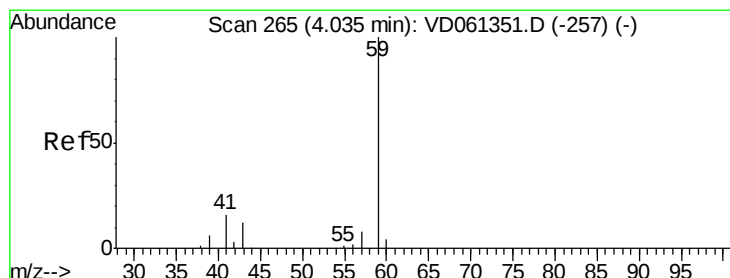
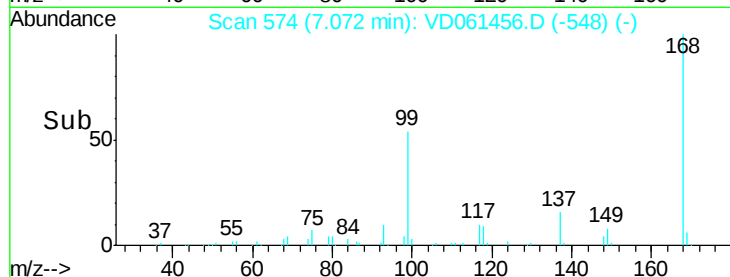
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 111.982 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD061456.D

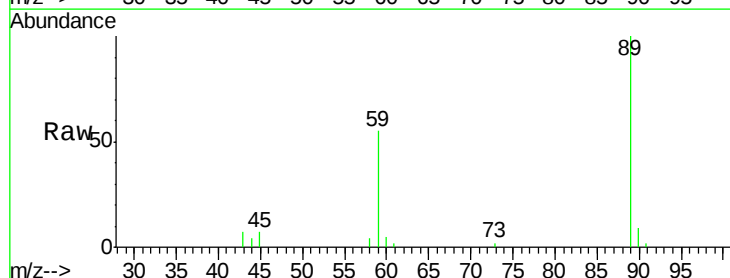
Acq: 31 Mar 2019 19:32

Tgt Ion: 59 Resp: 31158

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.01

8000

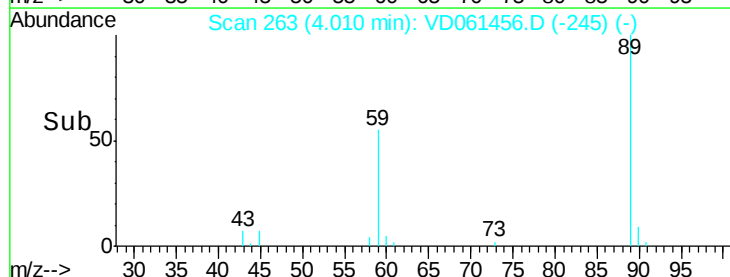
6000

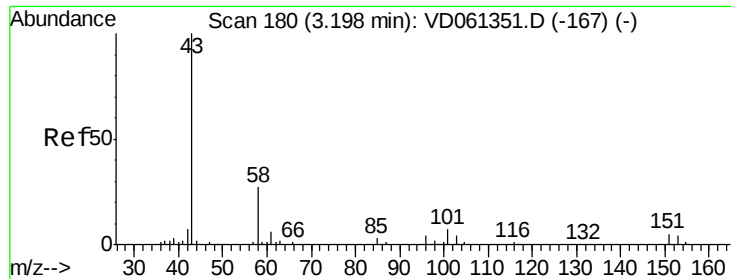
4000

2000

0

Time--> 3.90 4.00 4.10 4.20

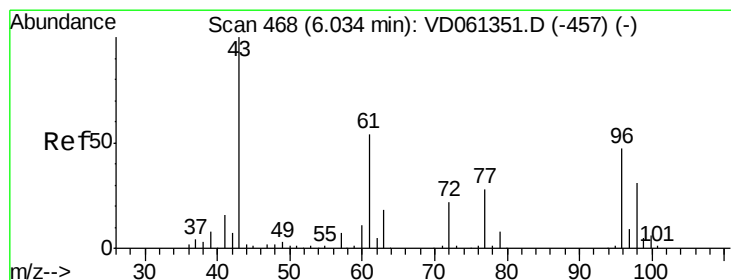
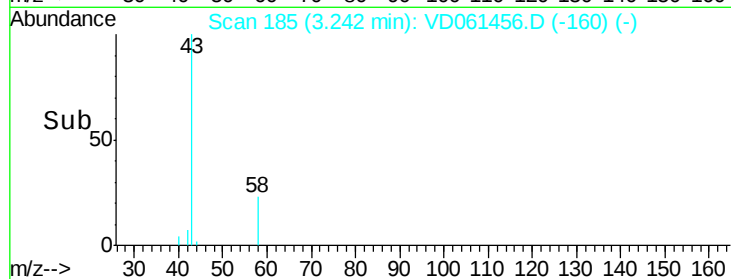
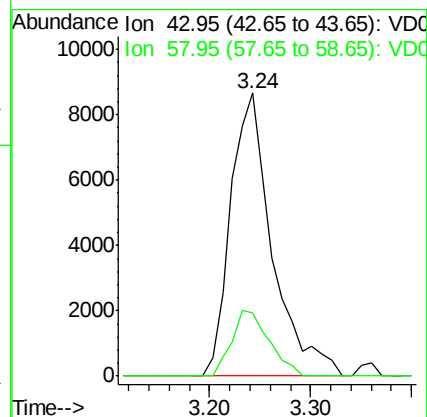
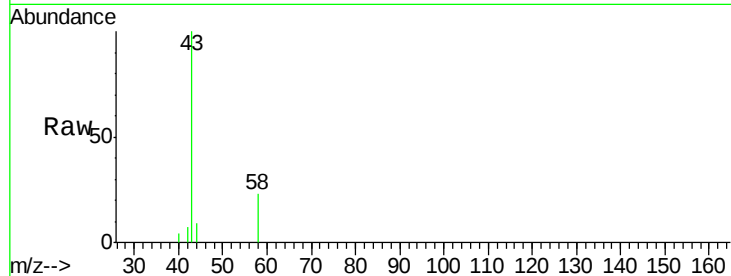




#16
Acetone
Concen: 21.584 ug/l
RT: 3.24 min Scan# 185
Delta R.T. 0.04 min
Lab File: VD061456.D
Acq: 31 Mar 2019 19:32

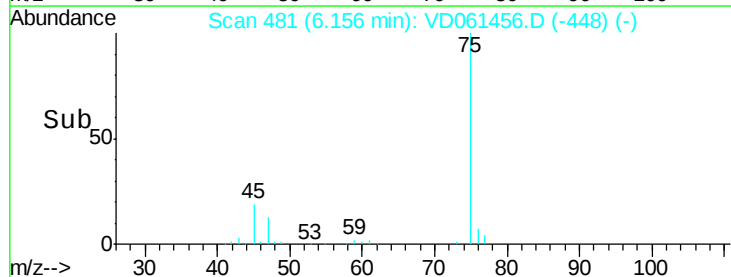
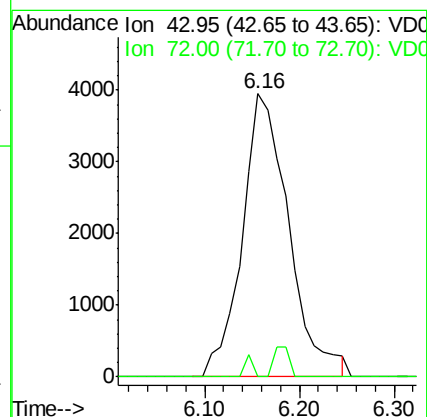
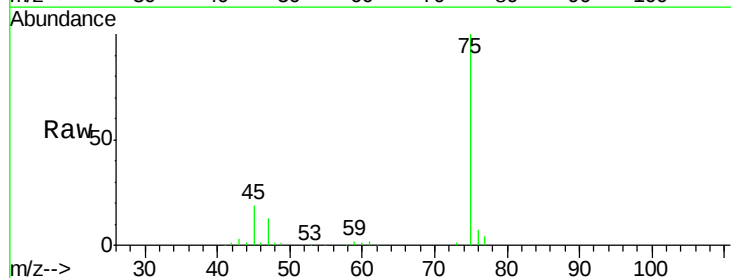
Instrument :
MSVOA_D
ClientSampleId :

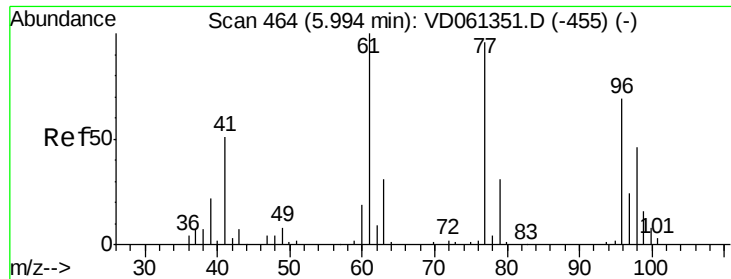
Tot Ion: 43 Resp: 24790
Ion Ratio Lower Upper
43 100
58 22.5 21.5 32.3



#25
2-Butanone
Concen: 9.357 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.12 min
Lab File: VD061456.D
Acq: 31 Mar 2019 19:32

Tgt Ion: 43 Resp: 13518
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#





#26

2,2-Dichloropropane

Concen: 2.217 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.17 min

Lab File: VD061456.D

Acq: 31 Mar 2019 19:32

Instrument :

MSVOA_D

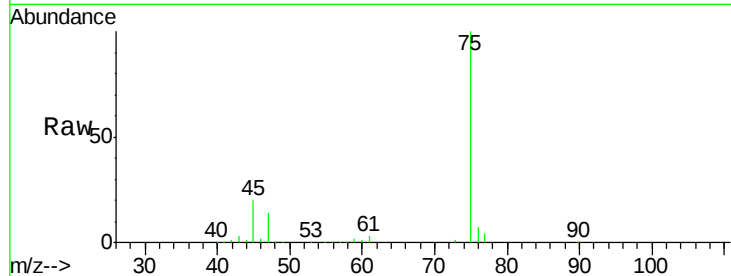
ClientSampleId :

Tot Ion: 77 Resp: 17162

Ion Ratio Lower Upper

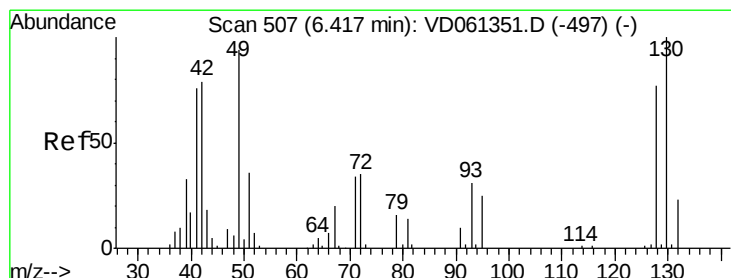
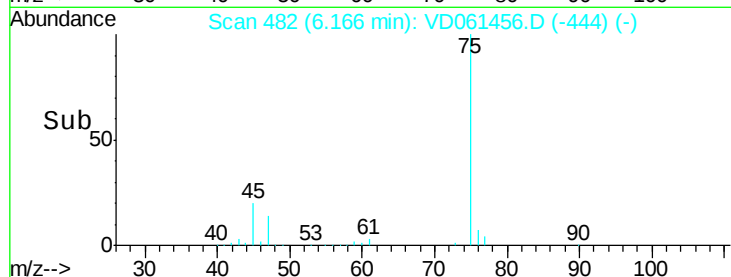
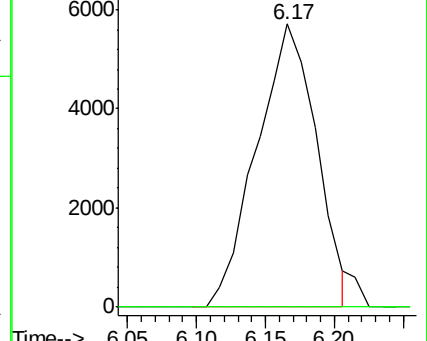
77 100

97 0.0 12.7 38.0#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#29

Tetrahydrofuran

Concen: 1.547 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.07 min

Lab File: VD061456.D

Acq: 31 Mar 2019 19:32

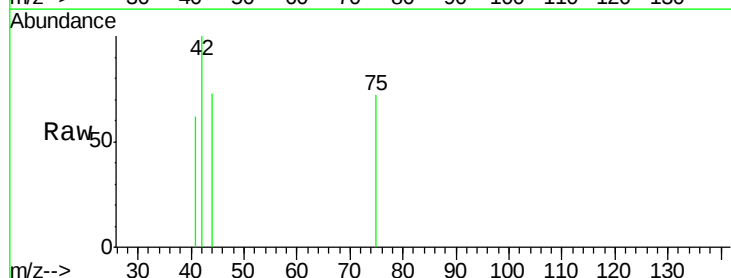
Tgt Ion: 42 Resp: 1083

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

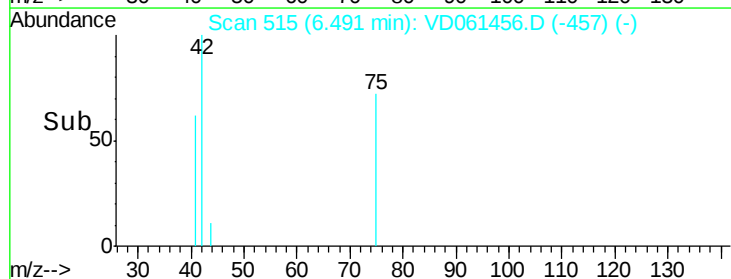
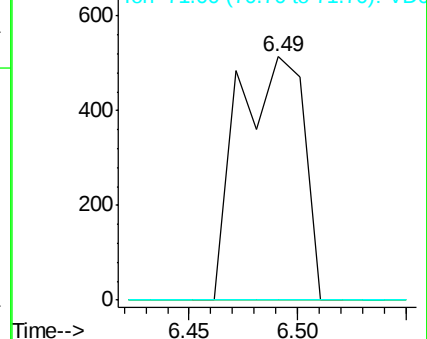
71 0.0 36.7 55.1#

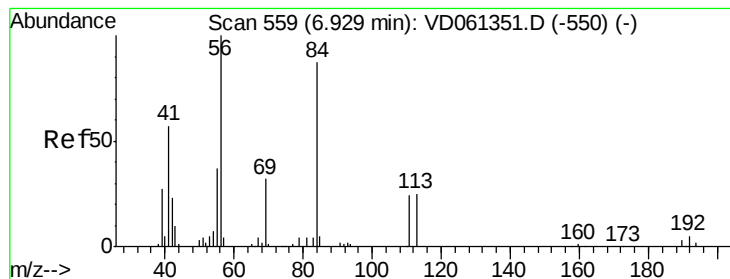


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.14 min

Lab File: VD061456.D

Acq: 31 Mar 2019 19:32

Instrument :
MSVOA_D
ClientSampled :

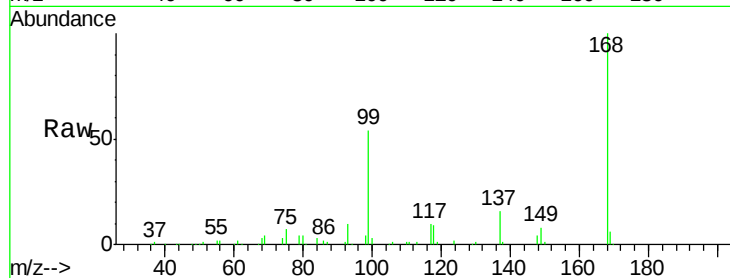
Tot Ion: 56 Resp: 9114

Ion Ratio Lower Upper

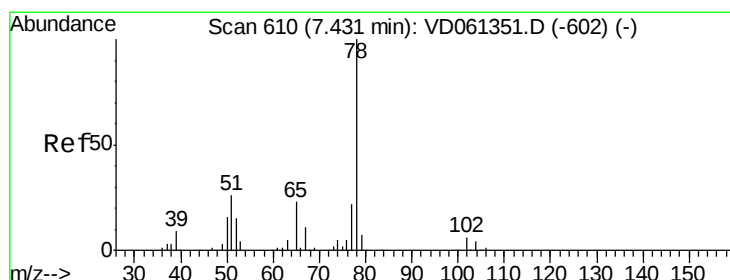
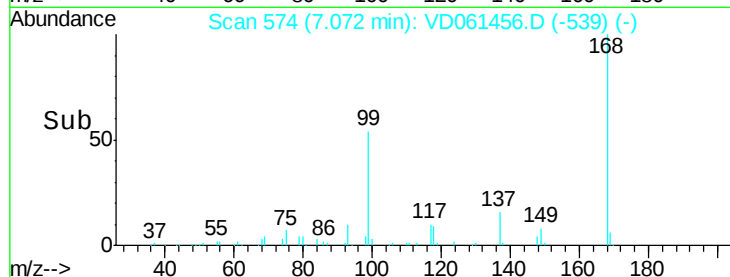
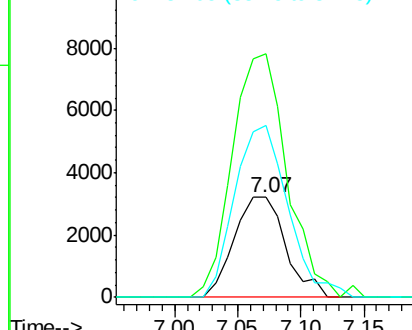
56 100

69 243.9 25.7 38.5#

84 171.9 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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD061456.D

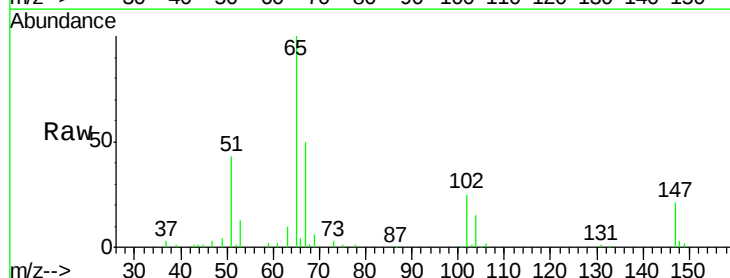
Acq: 31 Mar 2019 19:32

Tgt Ion: 65 Resp: 212601

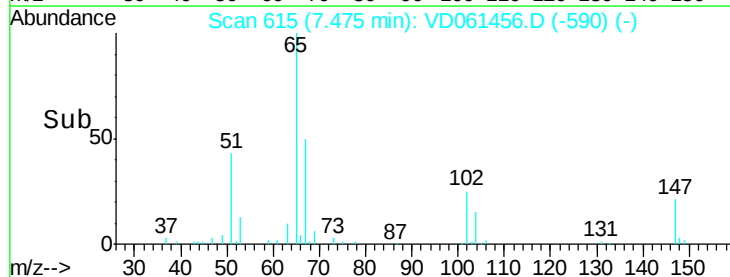
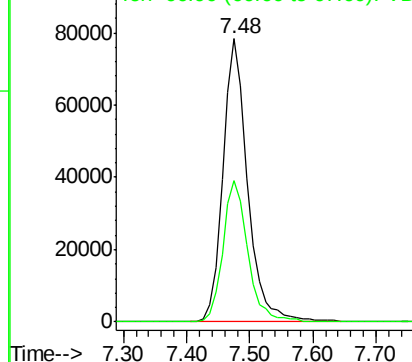
Ion Ratio Lower Upper

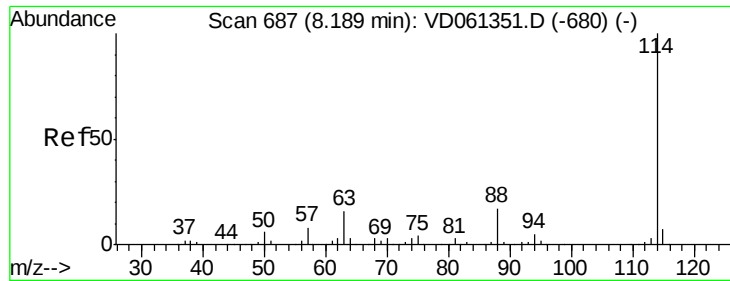
65 100

67 49.7 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: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD061456.D

Acq: 31 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

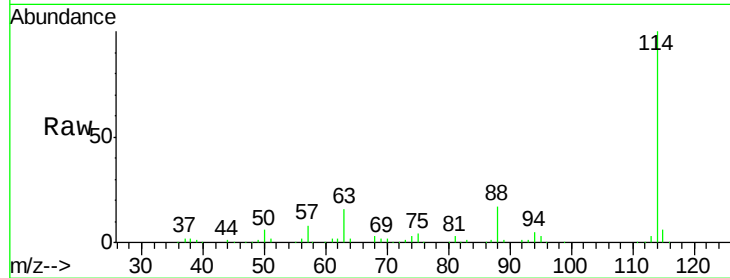
Tot Ion:114 Resp: 891581

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.6

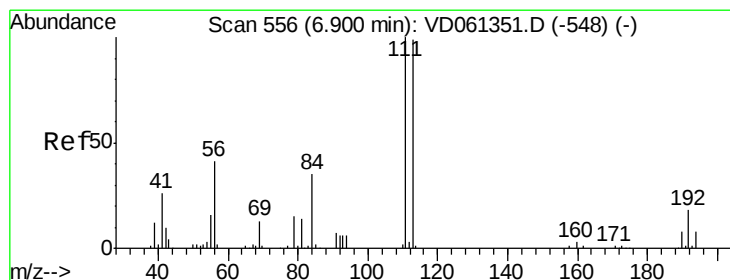
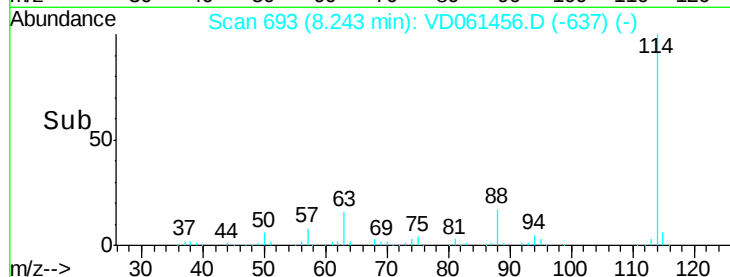
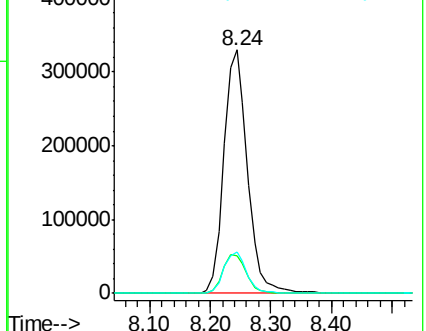
88 16.9 0.0 33.4



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: 6.94 min Scan# 561

Delta R.T. 0.04 min

Lab File: VD061456.D

Acq: 31 Mar 2019 19:32

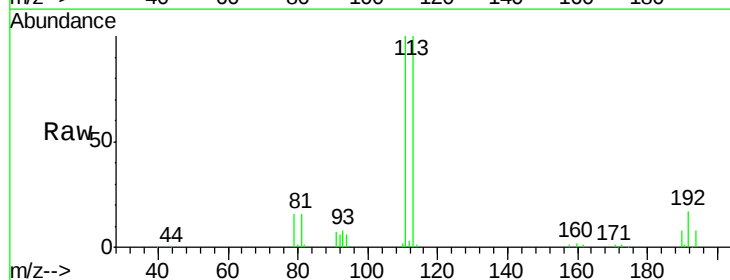
Tgt Ion:113 Resp: 323610

Ion Ratio Lower Upper

113 100

111 100.0 81.0 121.6

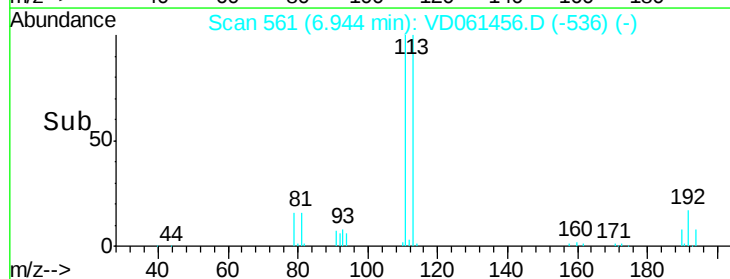
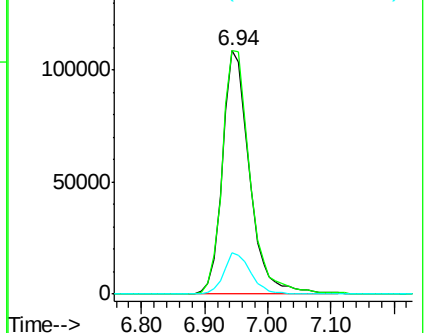
192 16.8 14.4 21.6

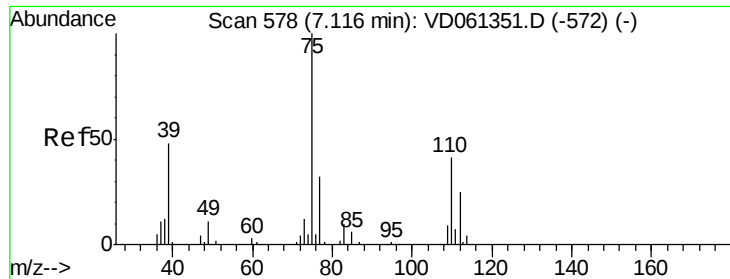


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

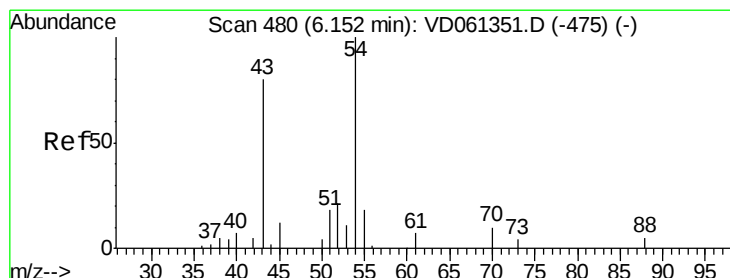
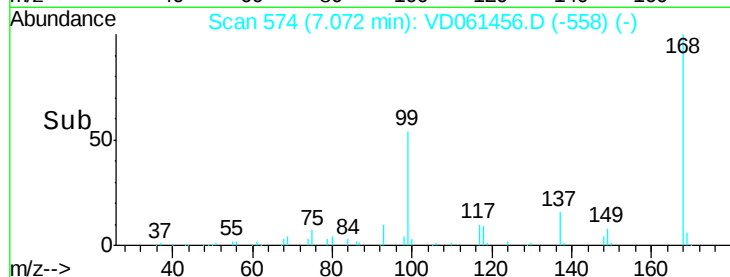
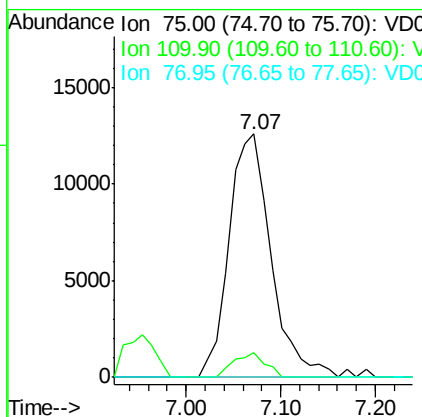
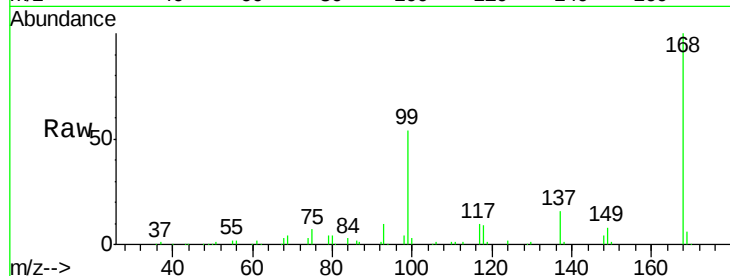




#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. -0.04 min
 Lab File: VD061456.D
 Acq: 31 Mar 2019 19:32

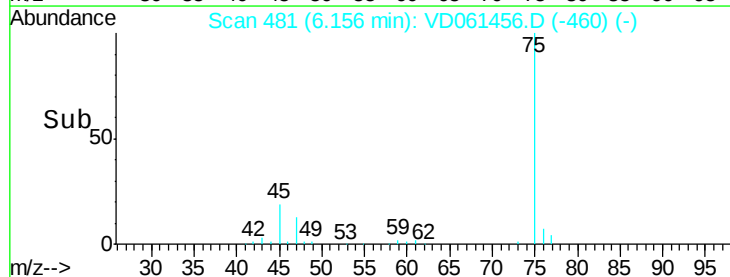
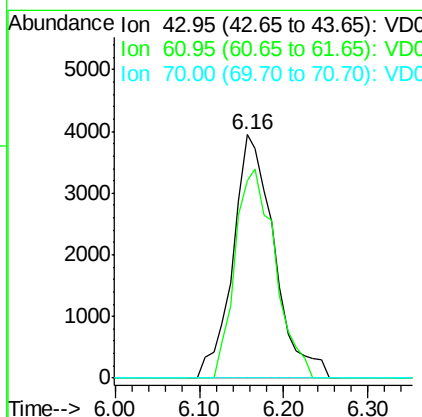
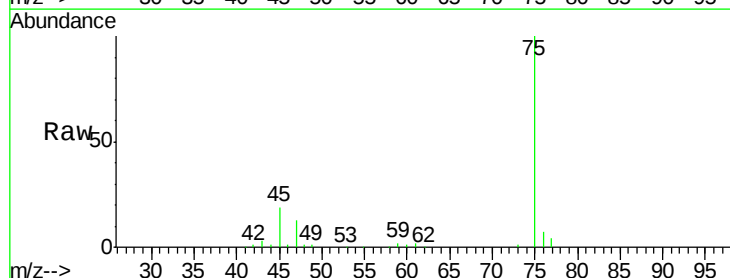
Instrument :
 MSVOA_D
 ClientSampleId :

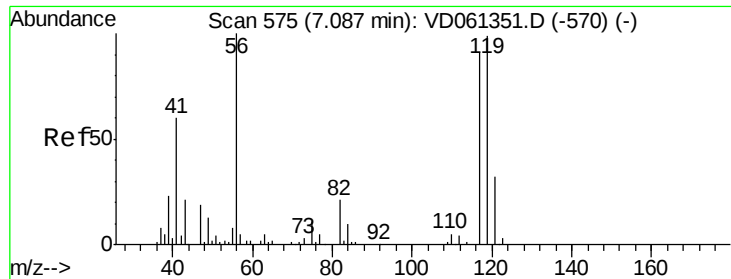
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	20.4	61.3#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 4.062 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: VD061456.D
 Acq: 31 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
61	81.2	13.8	20.8#
70	0.0	7.8	11.8#

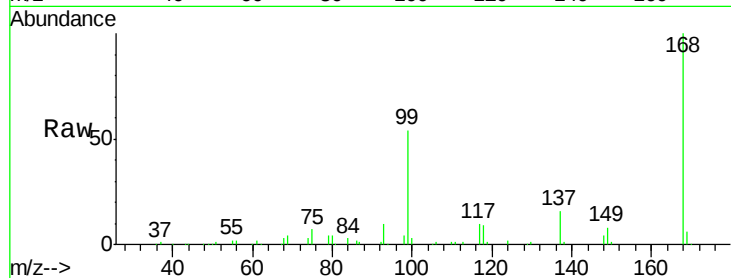




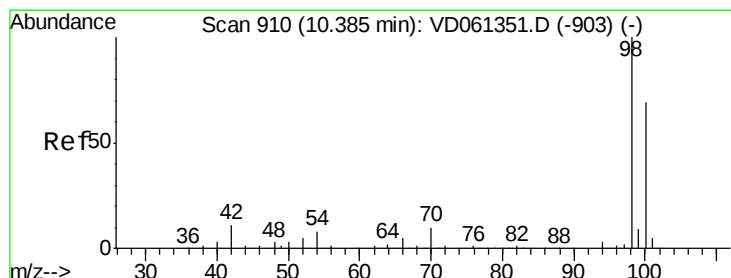
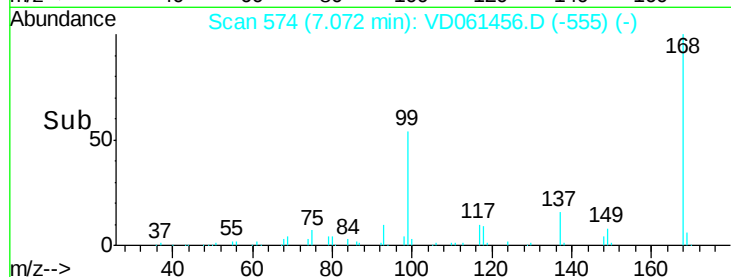
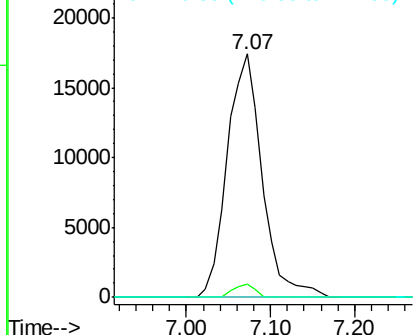
#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.07 min Scan# 574
Delta R.T. -0.02 min
Lab File: VD061456.D
Acq: 31 Mar 2019 19:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 50270
Ion Ratio Lower Upper
117 100
119 5.5 80.1 120.1#
121 0.0 25.6 38.4#

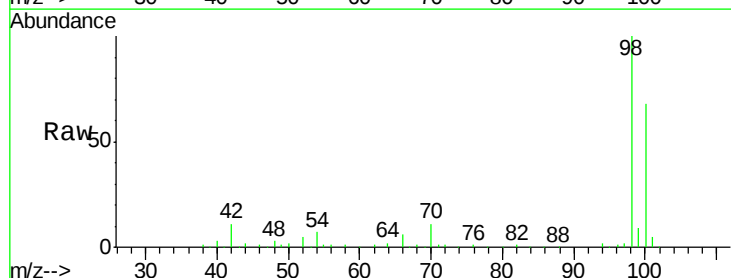


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

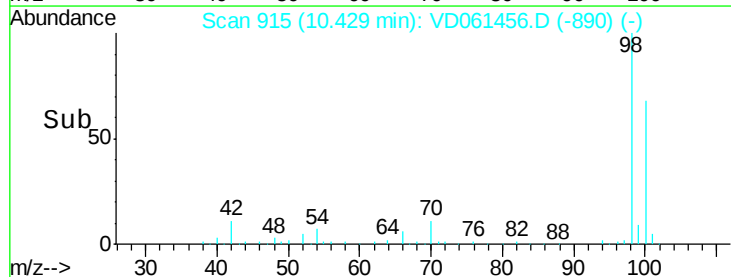
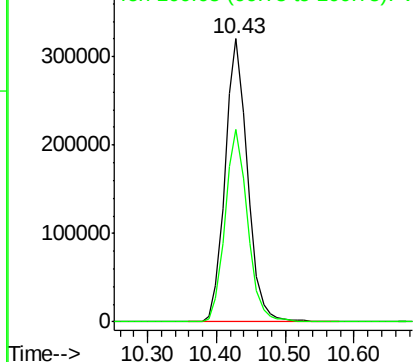


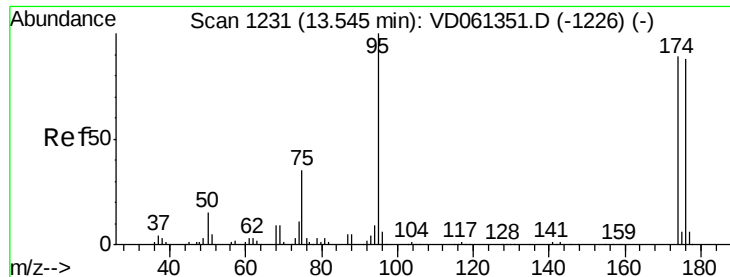
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.04 min
Lab File: VD061456.D
Acq: 31 Mar 2019 19:32

Tgt Ion: 98 Resp: 721756
Ion Ratio Lower Upper
98 100
100 68.1 56.2 84.2



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

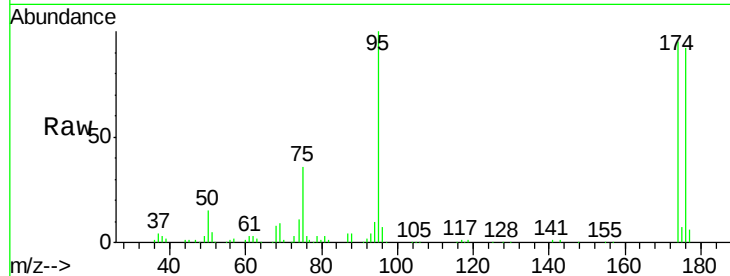




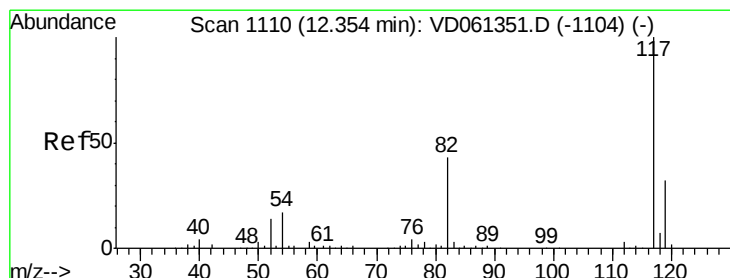
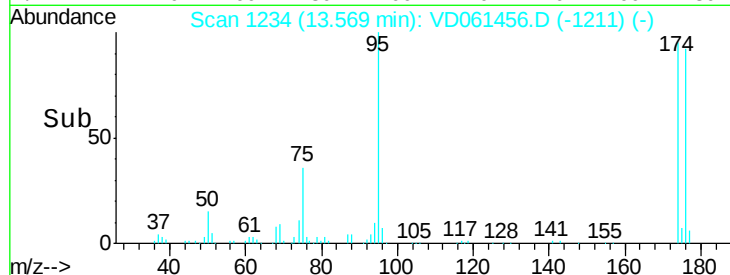
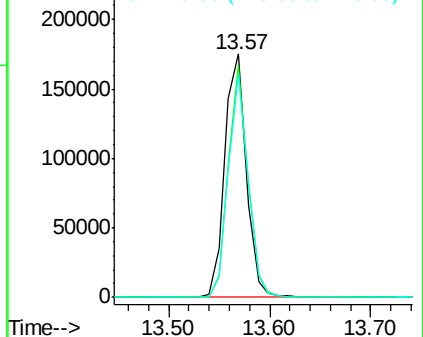
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061456.D
Acq: 31 Mar 2019 19:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 258712
Ion Ratio Lower Upper
95 100
174 95.3 0.0 178.0
176 91.5 0.0 175.0

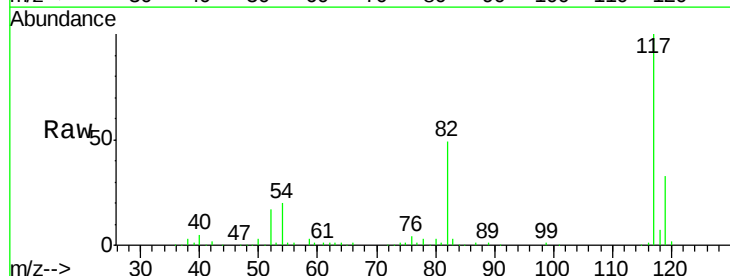


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

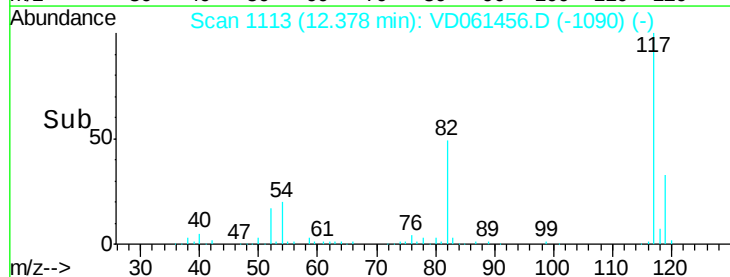
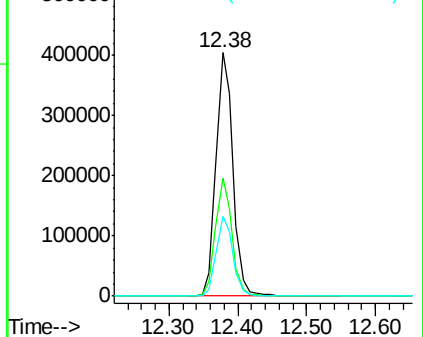


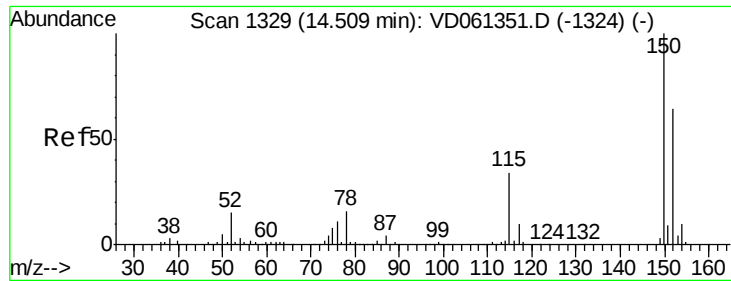
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061456.D
Acq: 31 Mar 2019 19:32

Tgt Ion: 117 Resp: 684127
Ion Ratio Lower Upper
117 100
82 48.6 34.4 51.6
119 32.9 25.8 38.6



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061456.D

Acq: 31 Mar 2019 19:32

Instrument :

MSVOA_D

ClientSampleId :

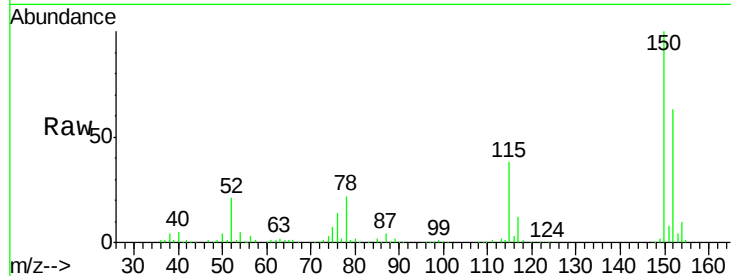
Tot Ion:152 Resp: 274350

Ion Ratio Lower Upper

152 100

115 60.6 26.9 80.6

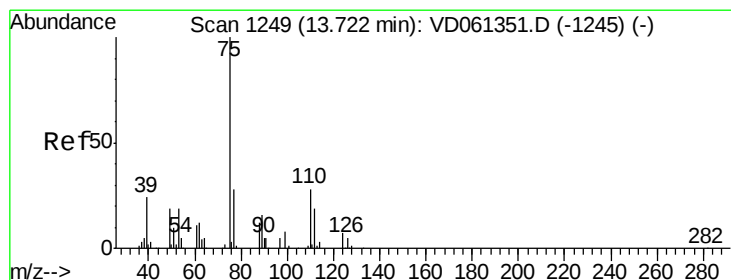
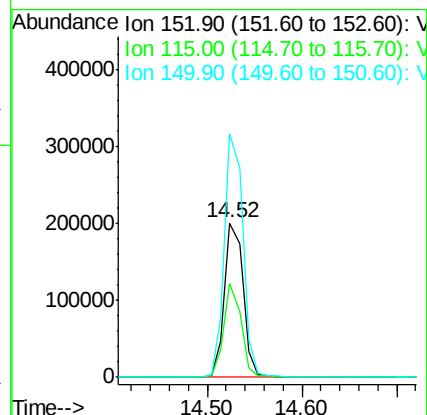
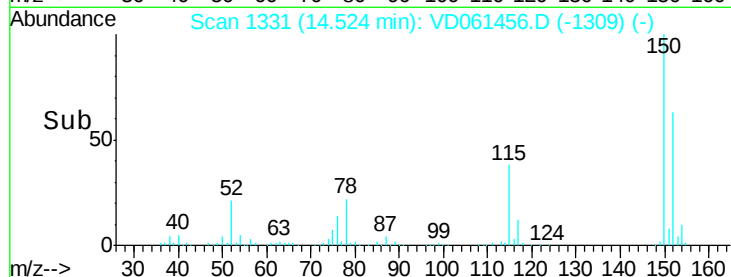
150 158.0 0.0 318.0



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: 24.402 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.15 min

Lab File: VD061456.D

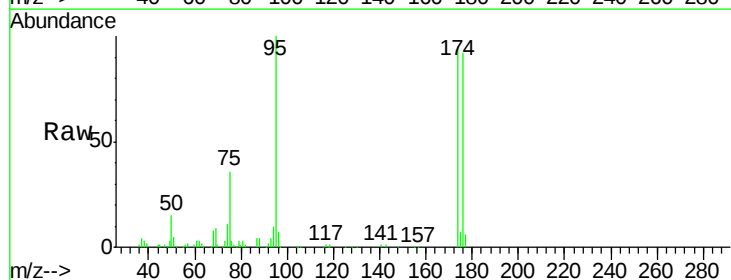
Acq: 31 Mar 2019 19:32

Tgt Ion: 75 Resp: 96705

Ion Ratio Lower Upper

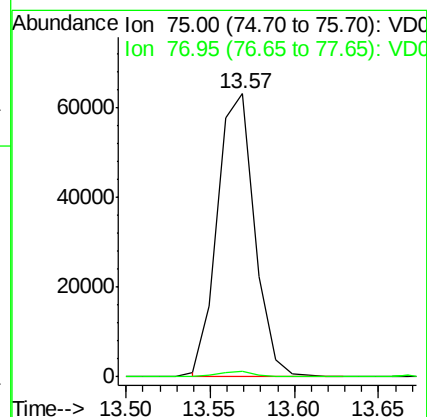
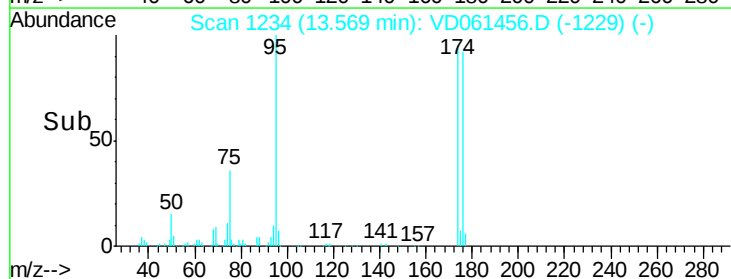
75 100

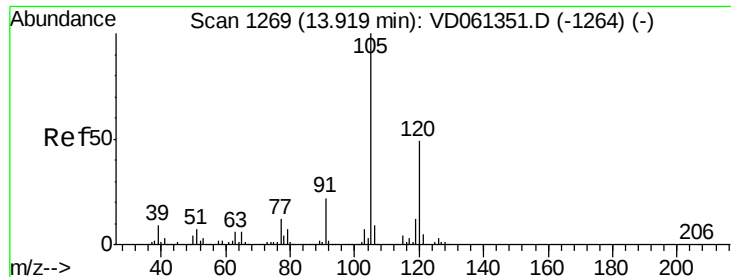
77 1.8 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

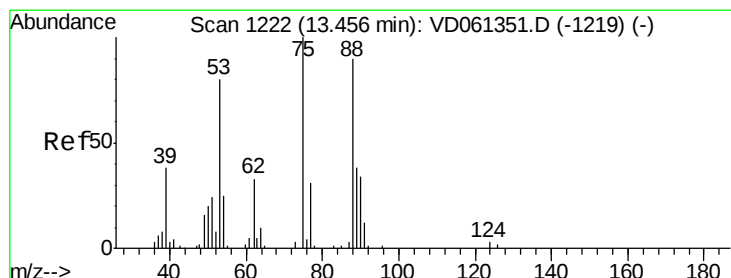
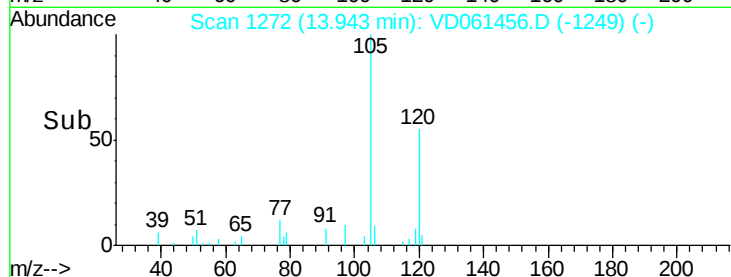
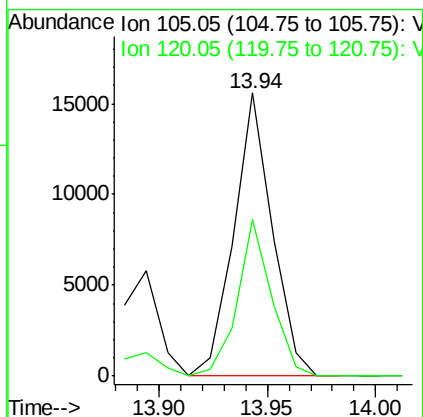
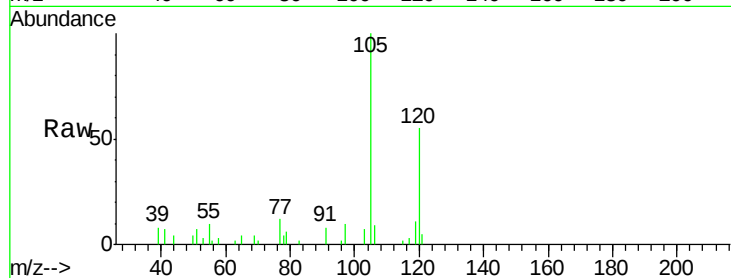




#80
 1,3,5-Trimethylbenzene
 Concen: 1.293 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.02 min
 Lab File: VD061456.D
 Acq: 31 Mar 2019 19:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 19152
 Ion Ratio Lower Upper
 105 100
 120 55.3 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.455 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.11 min
 Lab File: VD061456.D
 Acq: 31 Mar 2019 19:32

Tgt Ion: 75 Resp: 97217
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

