

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063157.D
 Acq On : 19 Jul 2019 16:46
 Operator : VA/AP
 Sample : K3807-02
 Misc : 6.51a/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 05:01:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	609964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	793681	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	569786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	191312	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	466204	61.36	ug/l	0.00
Spiked Amount			Recovery	=	122.72%	
35) Dibromofluoromethane	6.92	113	463963	58.69	ug/l	0.00
Spiked Amount			Recovery	=	117.38%	
50) Toluene-d8	10.41	98	898932	52.94	ug/l	0.02
Spiked Amount			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	13.55	95	306629	39.03	ug/l	0.00
Spiked Amount			Recovery	=	78.06%	

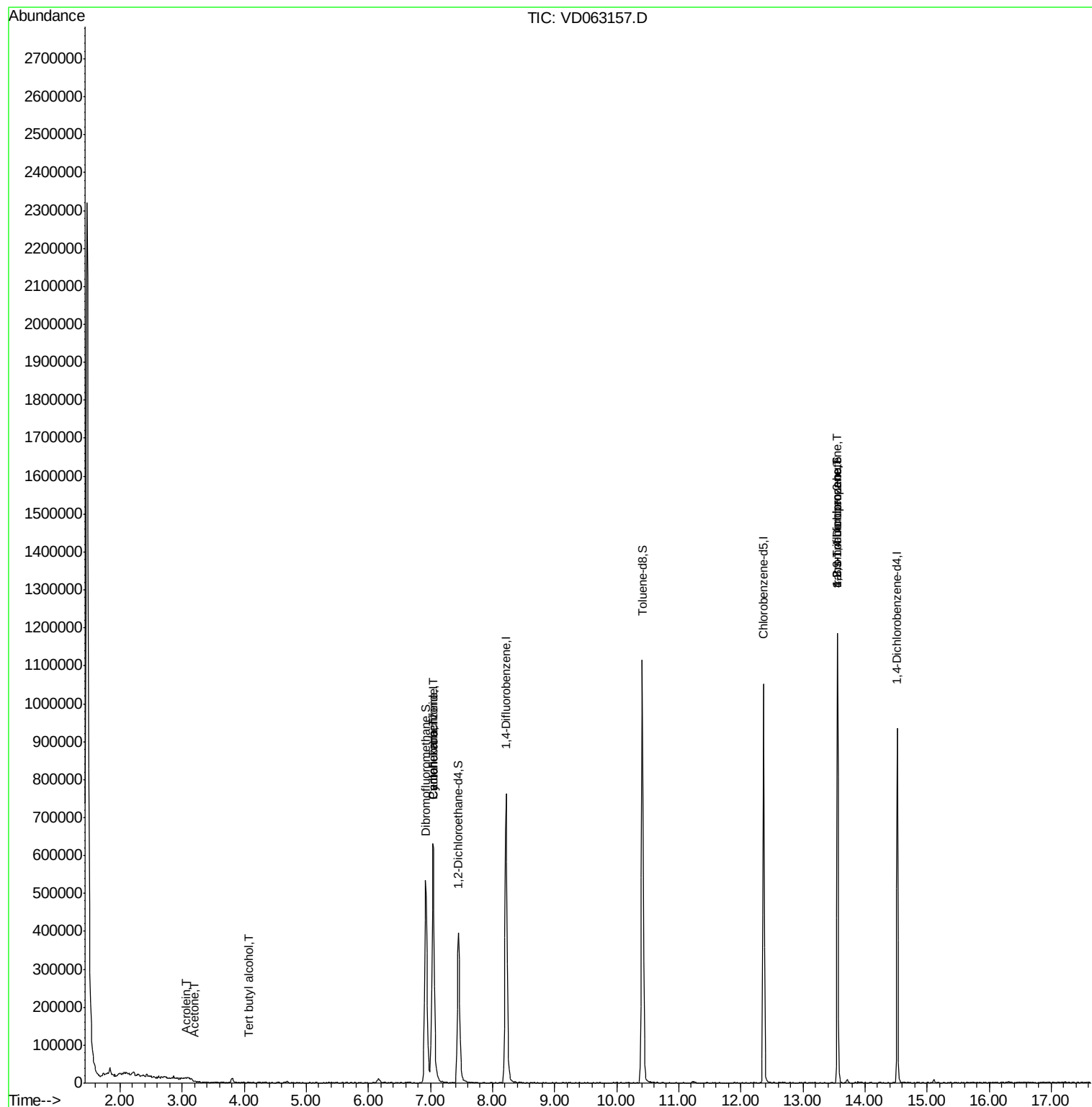
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	203	Below Cal	#	43
3) Chloromethane	1.74	50	810	Below Cal	#	48
5) Bromomethane	2.14	94	306	Below Cal	#	13
11) Tert butyl alcohol	4.06	59	773	1.763	ug/l #	77
13) Acrolein	3.06	56	333	2.516	ug/l	93
16) Acetone	3.20	43	2918	1.590	ug/l #	62
18) Methyl Acetate	3.64	43	617	Below Cal	#	63
31) Cyclohexane	7.05	56	14009	1.937	ug/l #	1
38) Carbon Tetrachloride	7.04	117	58992	4.349	ug/l #	14
76) 1,2,3-Trichloropropane	13.55	75	111373	37.844	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	142848	184.324	ug/l #	1

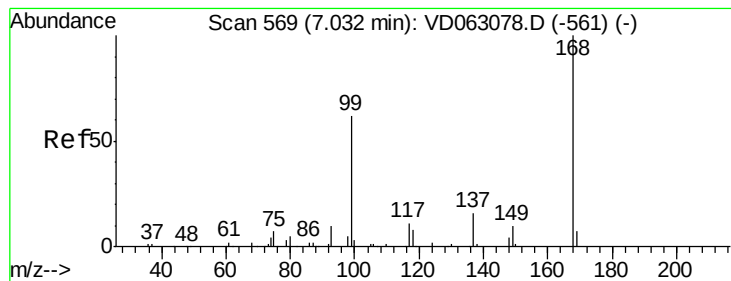
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063157.D

Acq: 19 Jul 2019 16:46

Instrument :

MSVOA_D

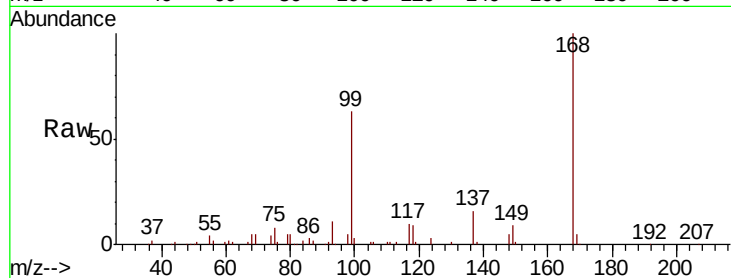
ClientSampleId :

Tot Ion:168 Resp: 609964

Ion Ratio Lower Upper

168 100

99 62.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

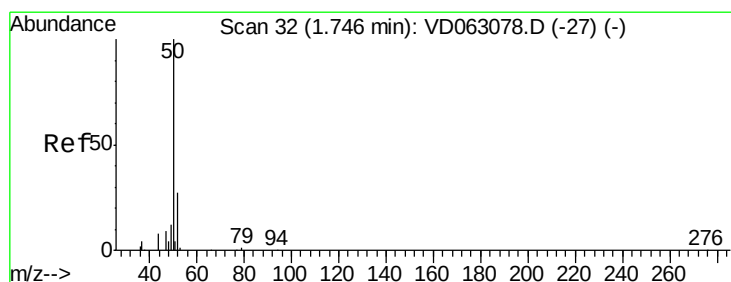
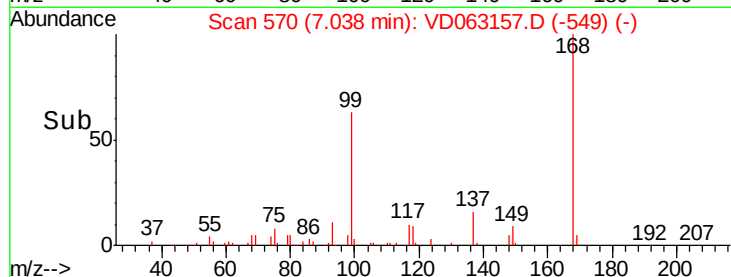
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063157.D

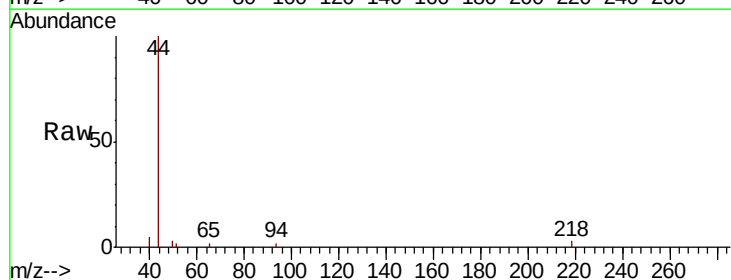
Acq: 19 Jul 2019 16:46

Tgt Ion: 50 Resp: 810

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

500

400

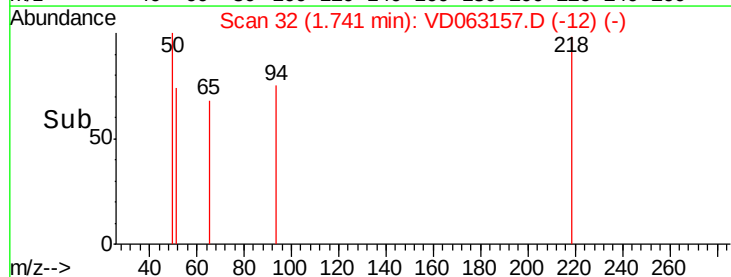
300

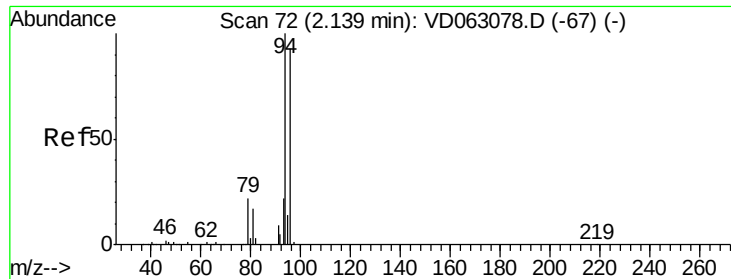
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063157.D

Acq: 19 Jul 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

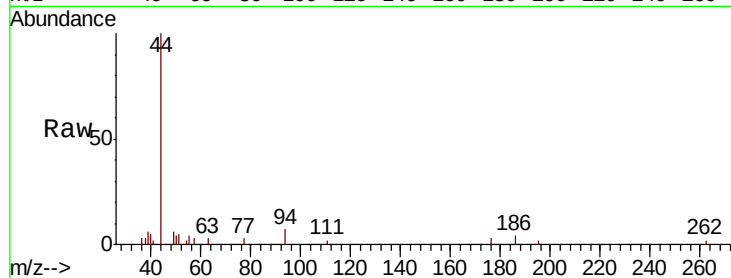
Tot Ion: 94 Resp: 306

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

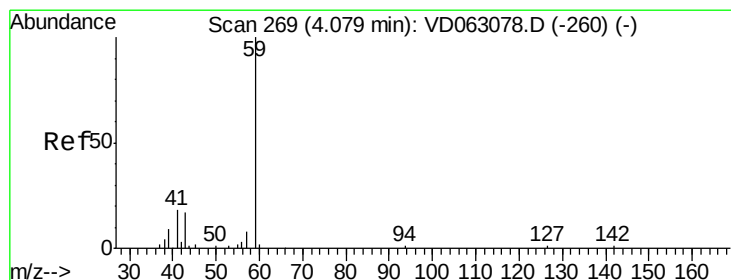
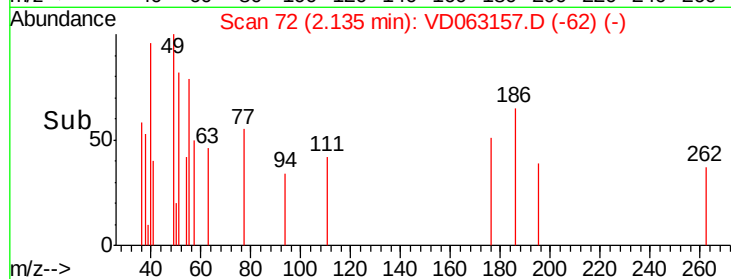
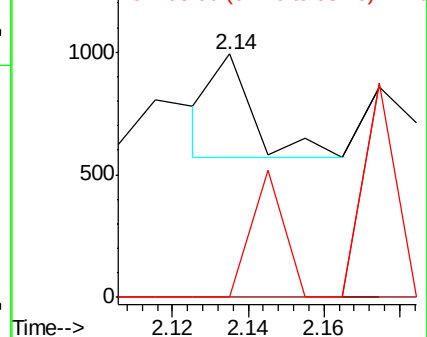
93 0.0 17.8 26.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#11

Tert butyl alcohol

Concen: 1.763 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.01 min

Lab File: VD063157.D

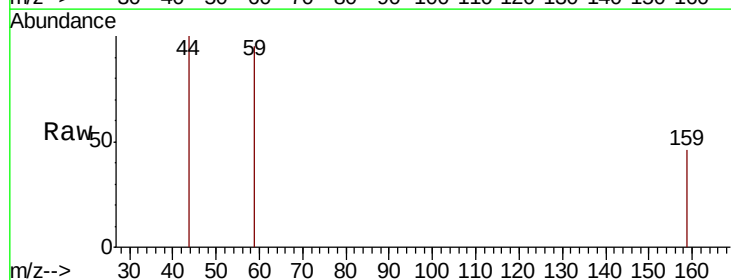
Acq: 19 Jul 2019 16:46

Tgt Ion: 59 Resp: 773

Ion Ratio Lower Upper

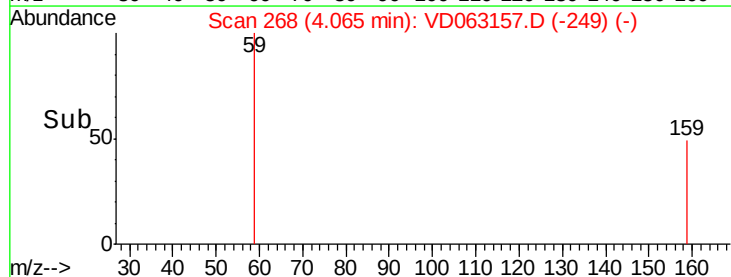
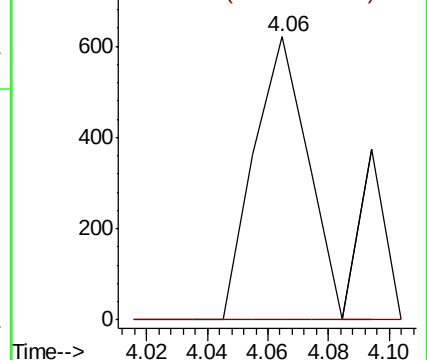
59 100

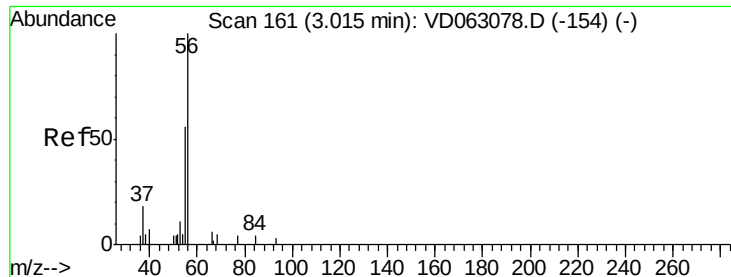
57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 2.516 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.05 min

Lab File: VD063157.D

Acq: 19 Jul 2019 16:46

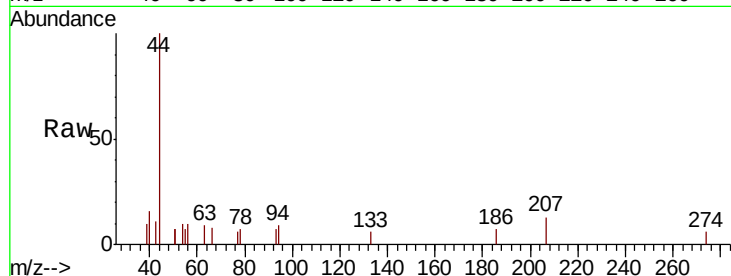
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 333

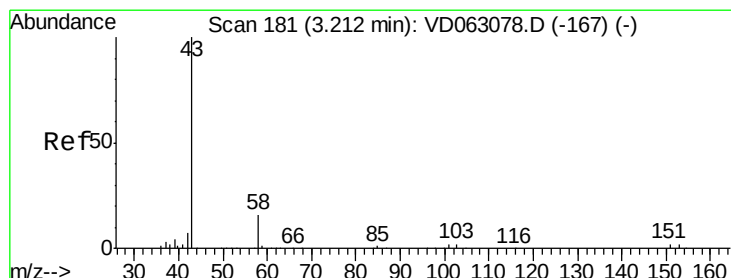
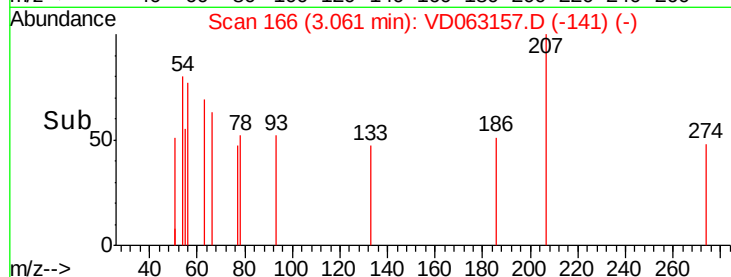
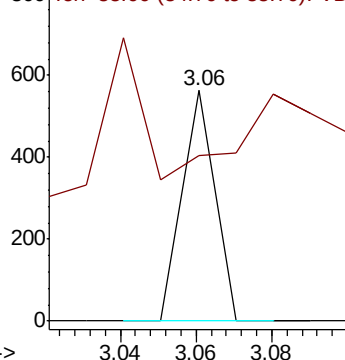
Ion Ratio Lower Upper

56 100

55 71.8 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1.590 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.01 min

Lab File: VD063157.D

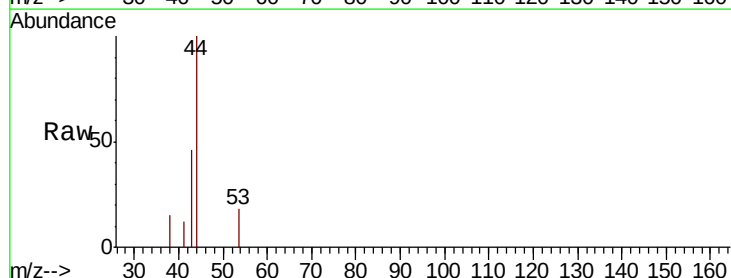
Acq: 19 Jul 2019 16:46

Tgt Ion: 43 Resp: 2918

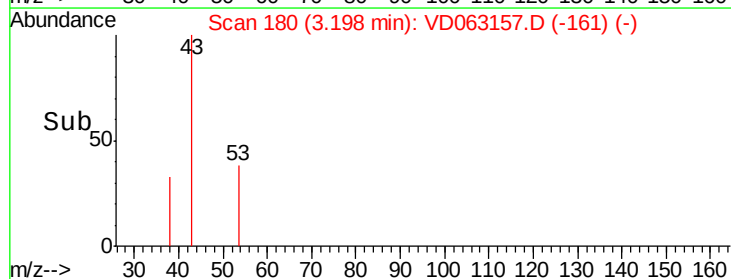
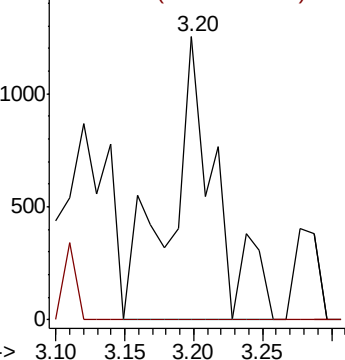
Ion Ratio Lower Upper

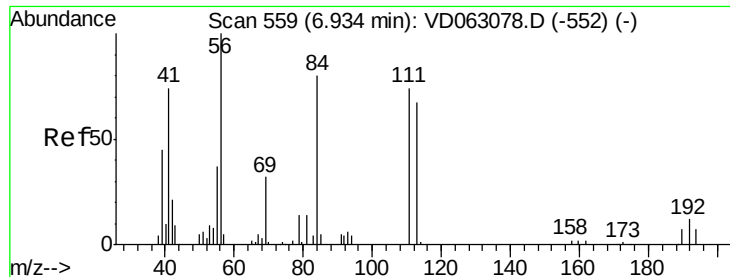
43 100

58 0.0 13.0 19.4#



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

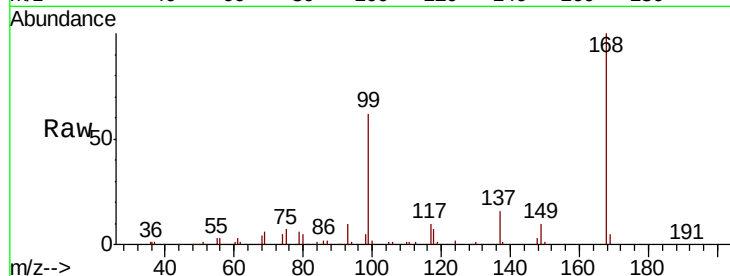




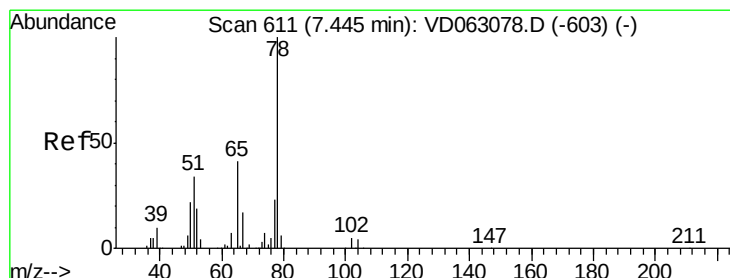
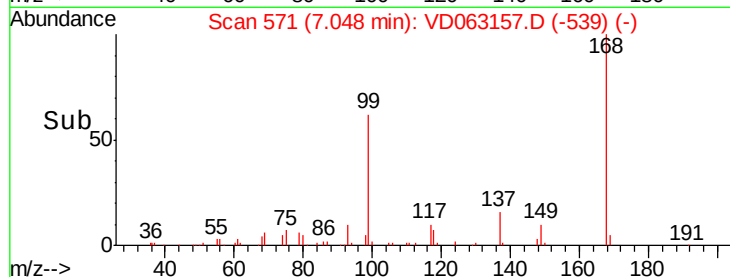
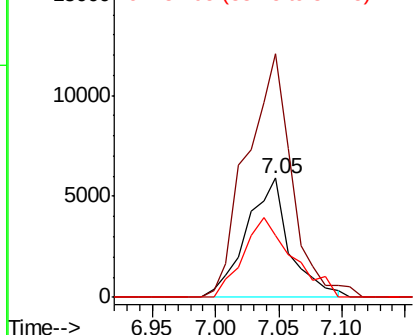
#31
Cyclohexane
Concen: 1.937 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 14009
Ion Ratio Lower Upper
56 100
69 203.9 25.3 37.9#
84 52.3 64.2 96.4#

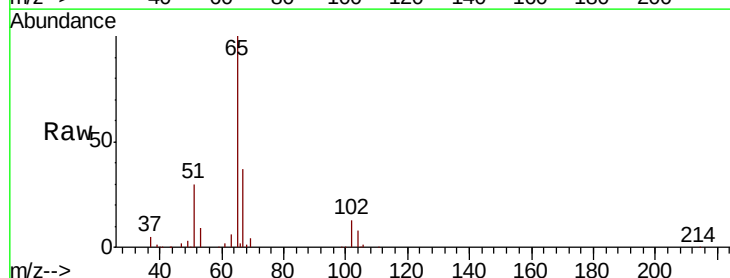


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

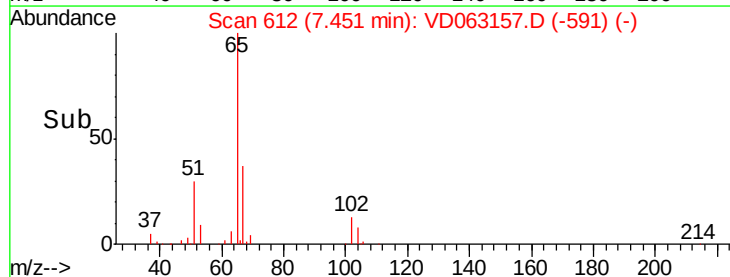
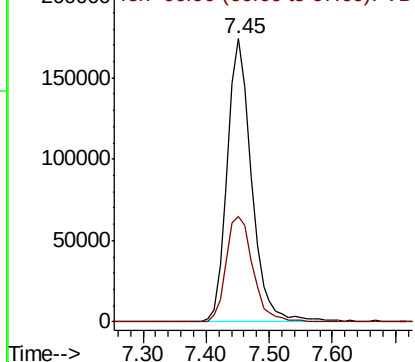


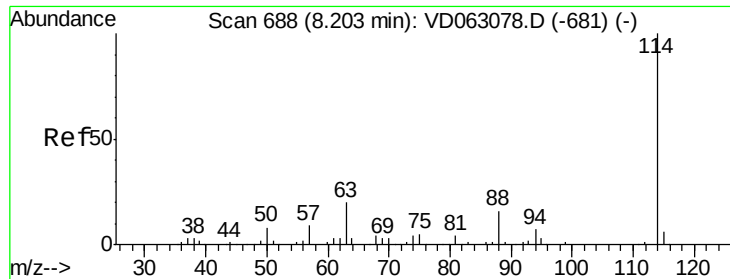
#33
1,2-Dichloroethane-d4
Concen: 61.357 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

Tgt Ion: 65 Resp: 466204
Ion Ratio Lower Upper
65 100
67 37.3 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

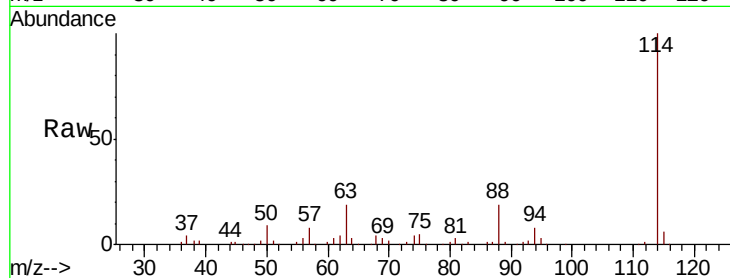




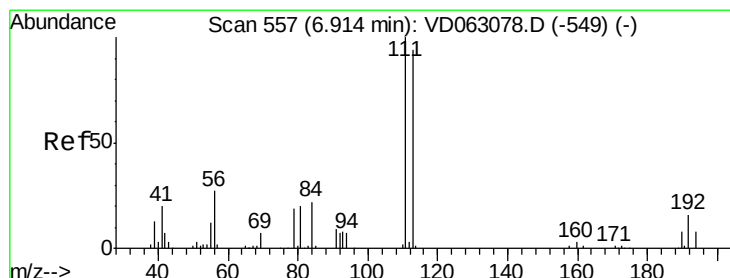
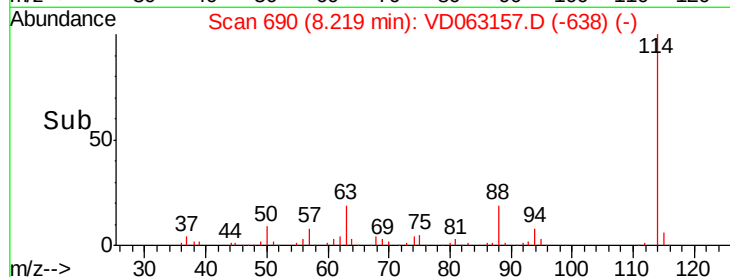
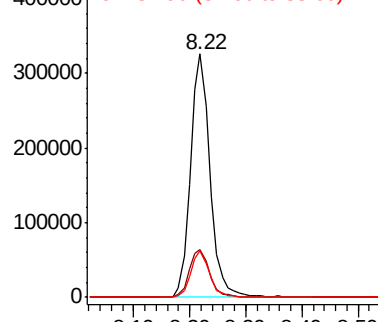
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.02 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 793681
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.6
88 19.4 0.0 32.6

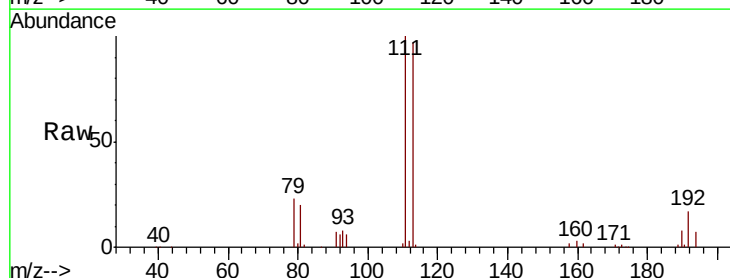


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

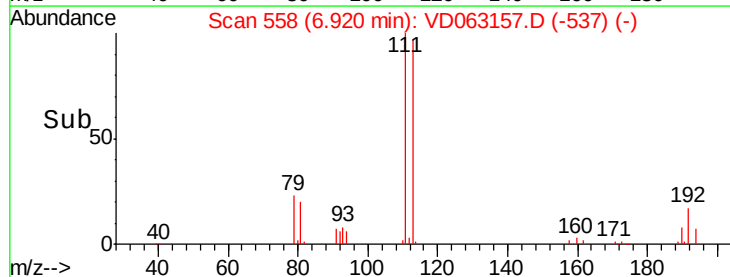
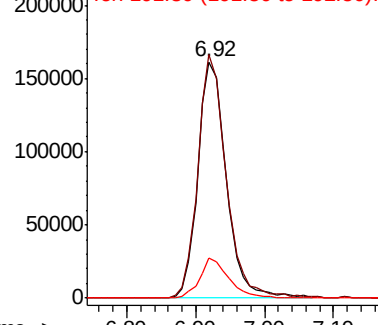


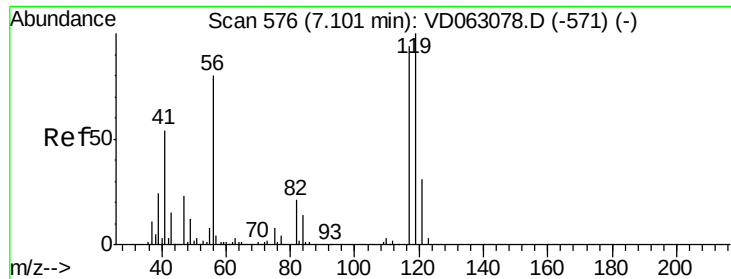
#35
Dibromofluoromethane
Concen: 58.690 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

Tgt Ion:113 Resp: 463963
Ion Ratio Lower Upper
113 100
111 103.0 84.8 127.2
192 17.2 13.4 20.0



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

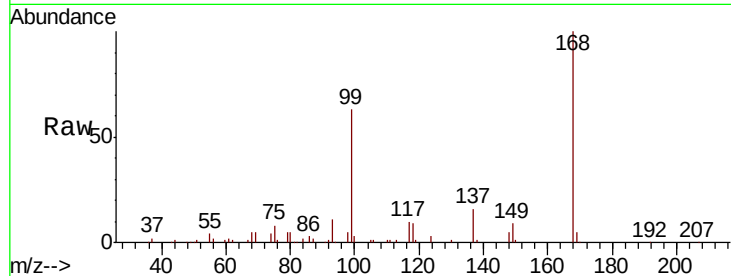




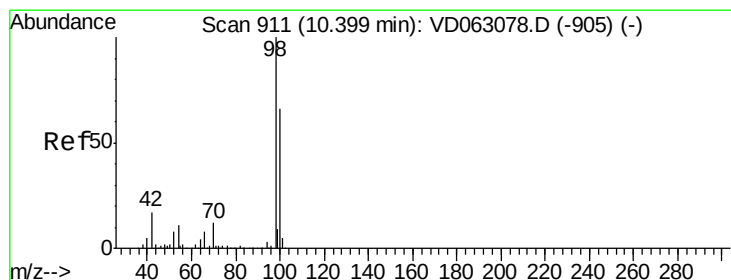
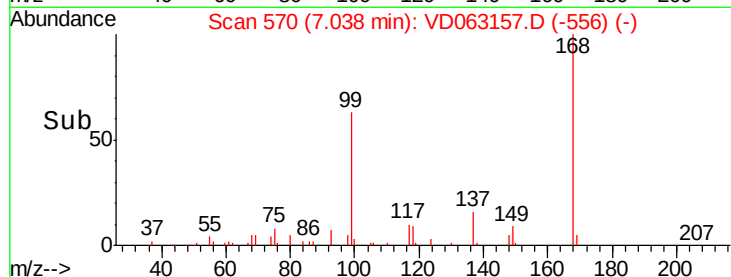
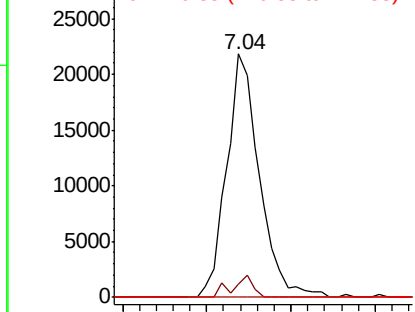
#38
Carbon Tetrachloride
Concen: 4.349 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 58992
Ion Ratio Lower Upper
117 100
119 5.4 80.0 120.0#
121 0.0 25.0 37.4#

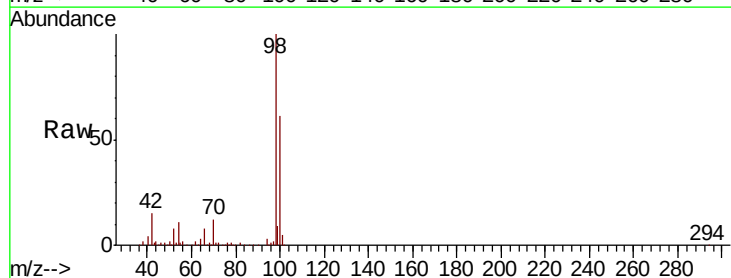


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

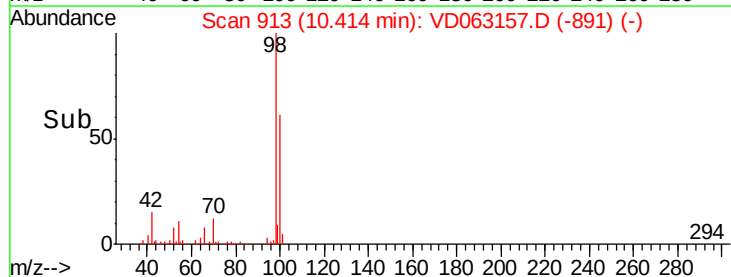
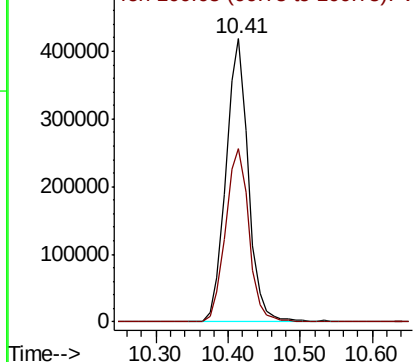


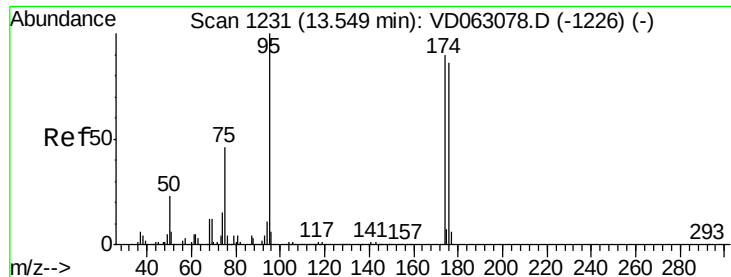
#50
Toluene-d8
Concen: 52.939 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

Tgt Ion: 98 Resp: 898932
Ion Ratio Lower Upper
98 100
100 61.3 53.5 80.3



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

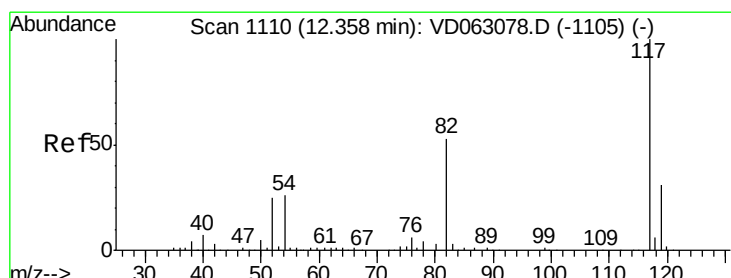
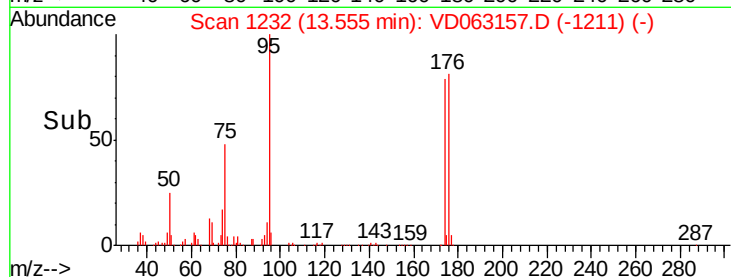
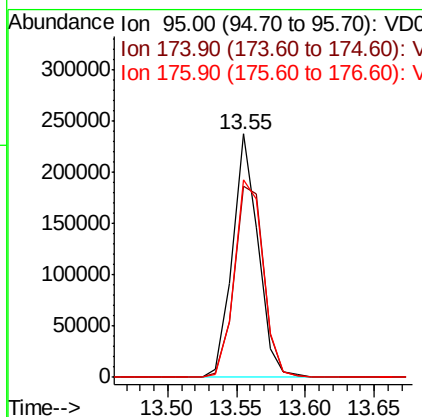
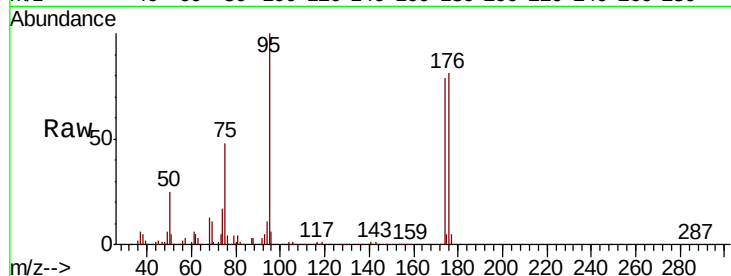




#62
4-Bromofluorobenzene
Concen: 39.032 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

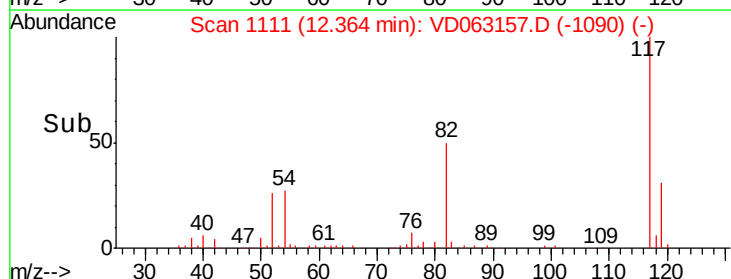
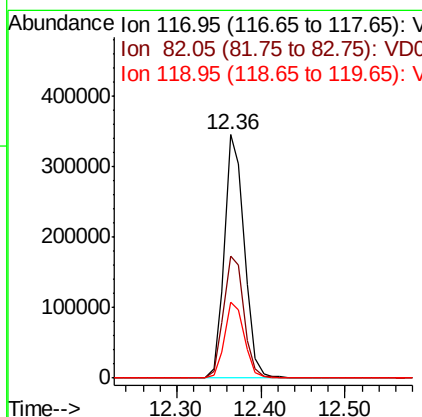
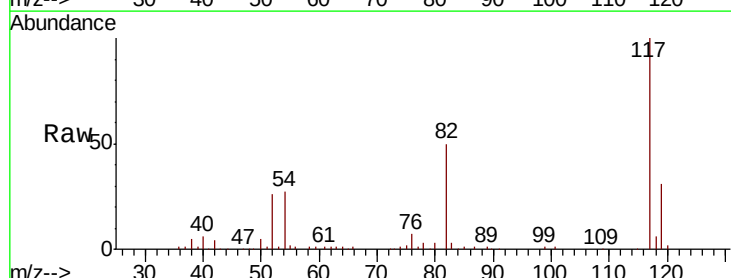
Instrument :
MSVOA_D
ClientSampleId :

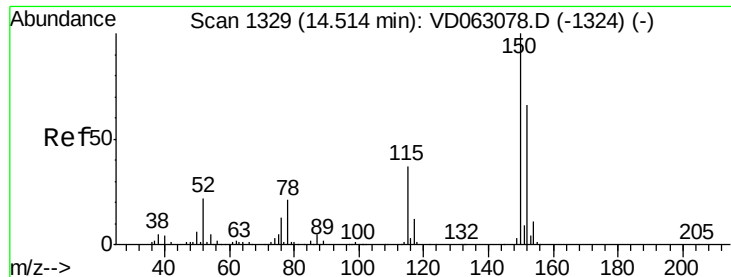
Tot Ion: 95 Resp: 306629
Ion Ratio Lower Upper
95 100
174 78.5 0.0 180.6
176 81.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063157.D
Acq: 19 Jul 2019 16:46

Tgt Ion: 117 Resp: 569786
Ion Ratio Lower Upper
117 100
82 50.0 42.3 63.5
119 31.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD063157.D

Acq: 19 Jul 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

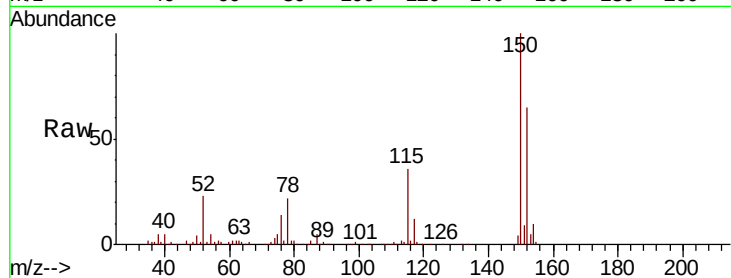
Tot Ion:152 Resp: 191312

Ion Ratio Lower Upper

152 100

115 56.0 28.9 86.8

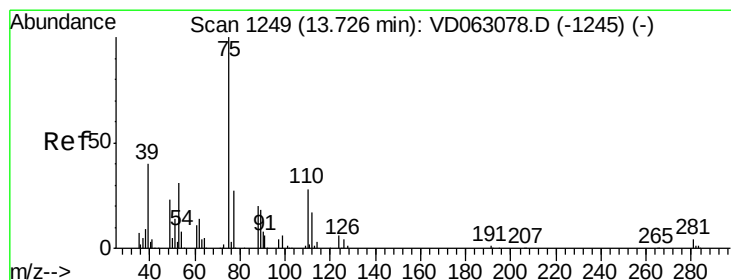
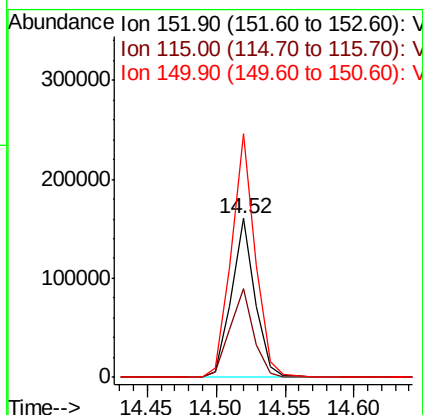
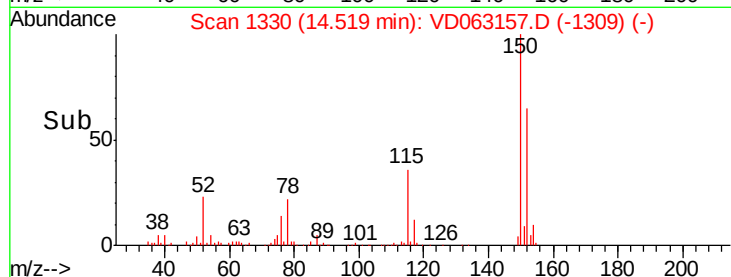
150 153.6 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 37.844 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD063157.D

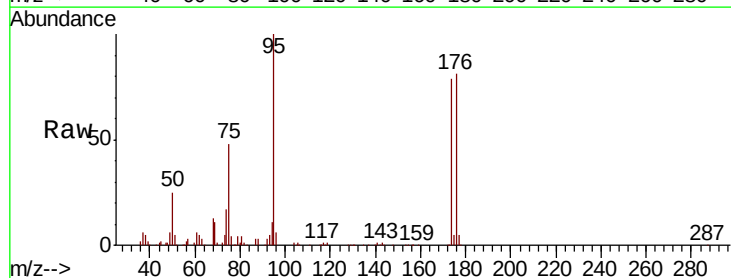
Acq: 19 Jul 2019 16:46

Tgt Ion: 75 Resp: 111373

Ion Ratio Lower Upper

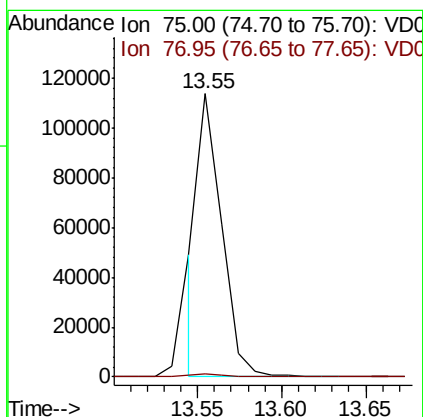
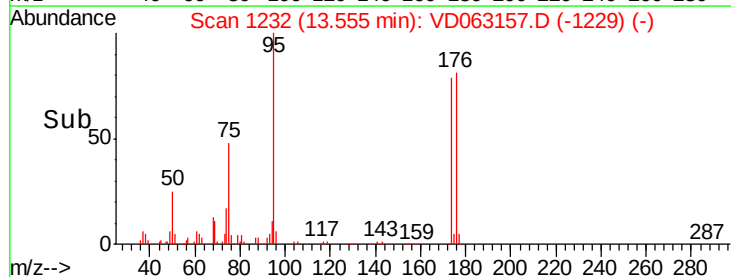
75 100

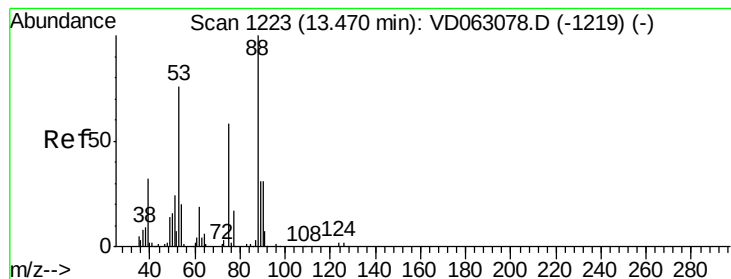
77 1.0 16.3 48.8#



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: 184.324 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063157.D

Acq: 19 Jul 2019 16:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 142848

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

