

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063090.D
 Acq On : 15 Jul 2019 19:37
 Operator : VA/AP
 Sample : K3768-17
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Jul 16 08:23:00 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	627221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	861486	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	699204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	333275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	431722	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
35) Dibromofluoromethane	6.92	113	481547	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
50) Toluene-d8	10.41	98	857780	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
62) 4-Bromofluorobenzene	13.56	95	365176	42.83	ug/l	0.00
Spiked Amount			Recovery	=	85.66%	

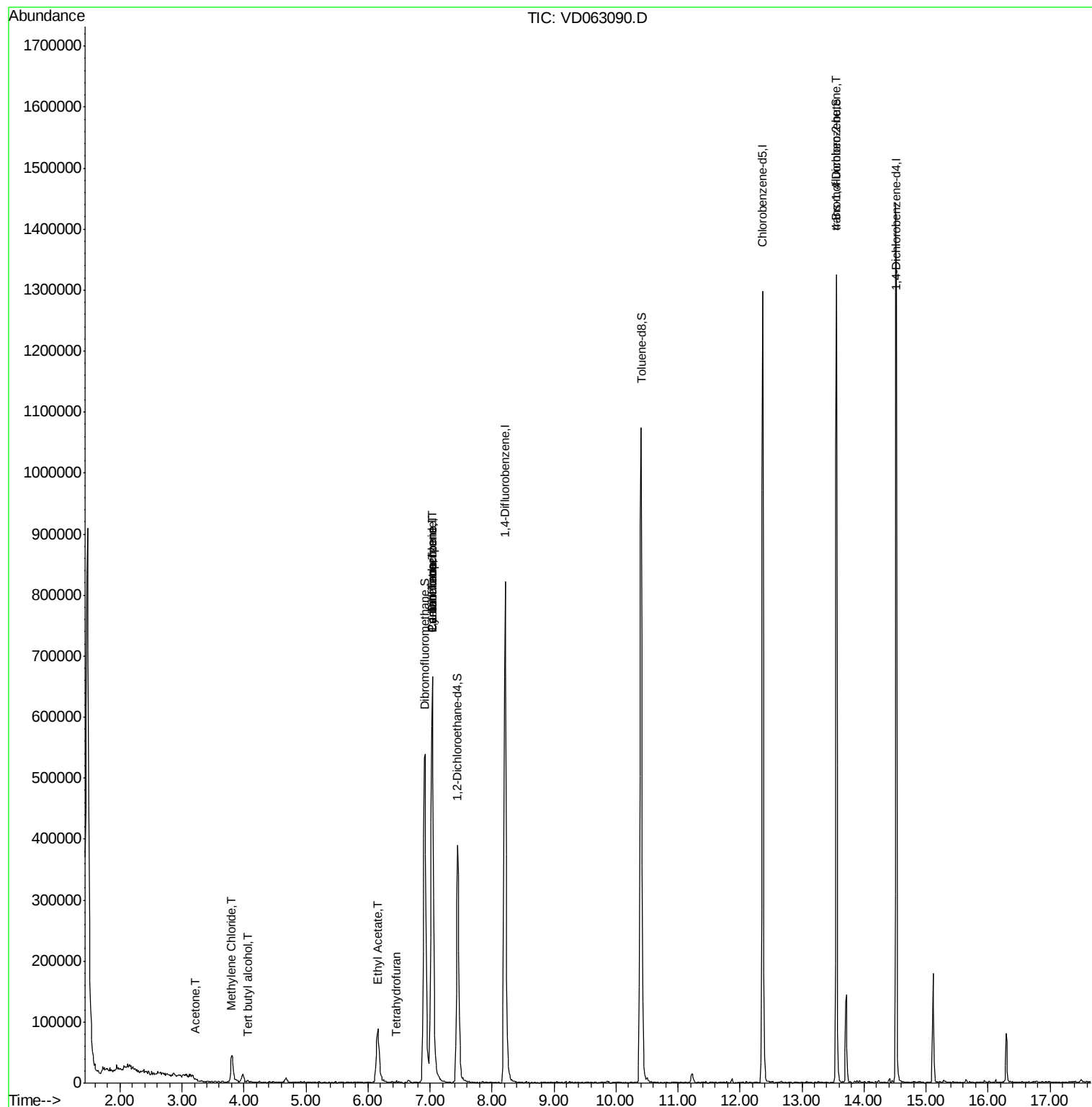
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	681	Below Cal	#	43
3) Chloromethane	1.76	50	1021	Below Cal	#	40
5) Bromomethane	2.16	94	1943	Below Cal	#	28
11) Tert butyl alcohol	4.06	59	3051	6.766	ug/l #	77
16) Acetone	3.21	43	5923	3.139	ug/l #	81
18) Methyl Acetate	3.66	43	529	Below Cal	#	63
20) Methylene Chloride	3.81	84	29787	4.178	ug/l	88
29) Tetrahydrofuran	6.47	42	1282	1.569	ug/l #	58
31) Cyclohexane	7.04	56	14427	1.940	ug/l #	8
36) 1,1-Dichloropropene	7.04	75	51058	5.270	ug/l #	51
37) Ethyl Acetate	6.16	43	7744	1.868	ug/l #	16
38) Carbon Tetrachloride	7.03	117	62882	4.271	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	179370	132.861	ug/l #	1

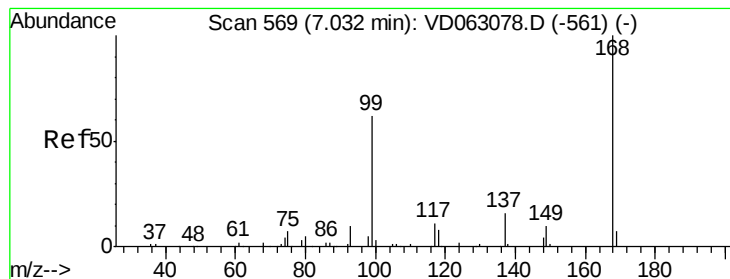
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071519\
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063090.D

Acq: 15 Jul 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

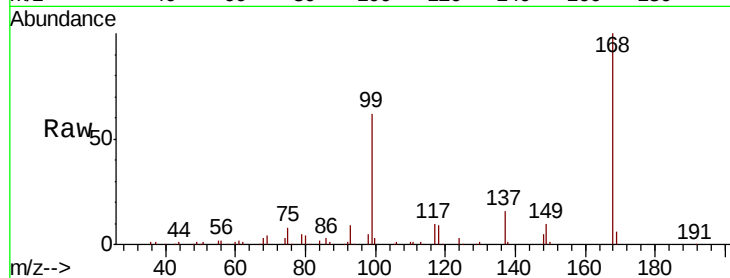
TP-3

Tot Ion:168 Resp: 627221

Ion Ratio Lower Upper

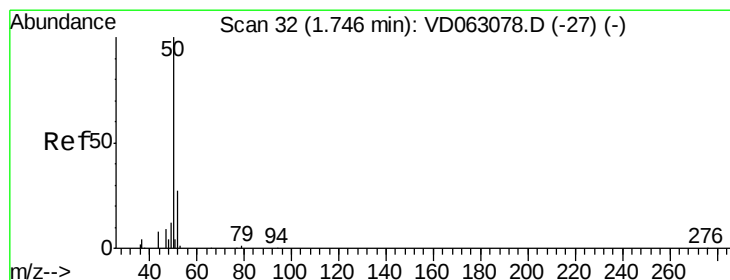
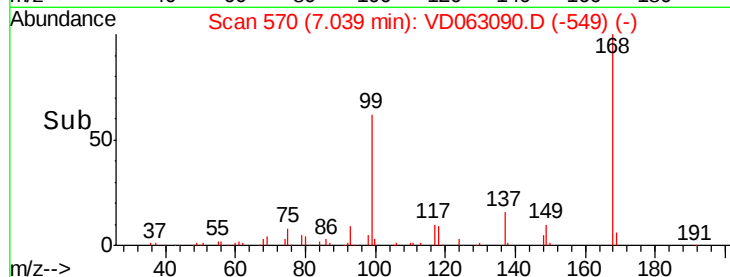
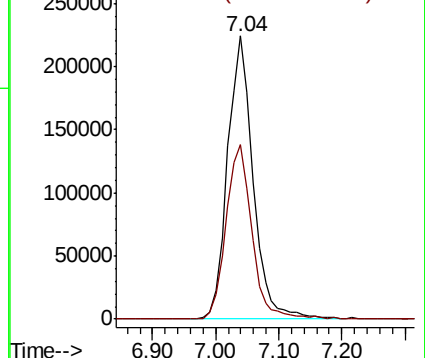
168 100

99 61.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD063090.D

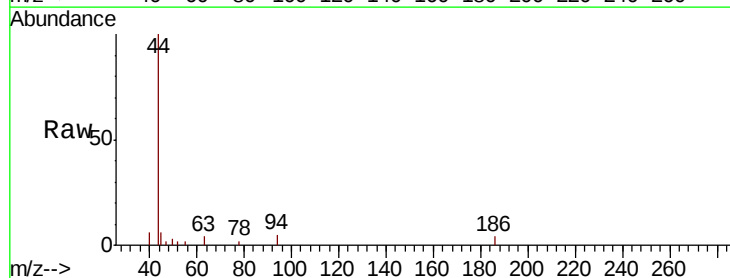
Acq: 15 Jul 2019 19:37

Tgt Ion: 50 Resp: 1021

Ion Ratio Lower Upper

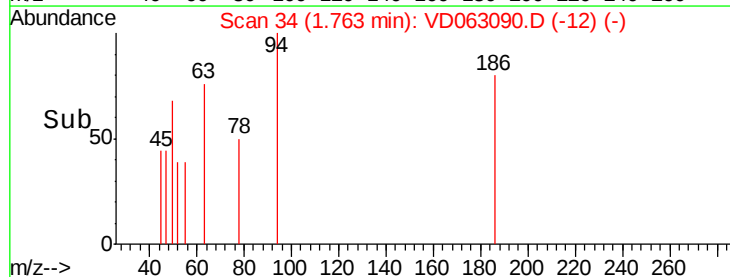
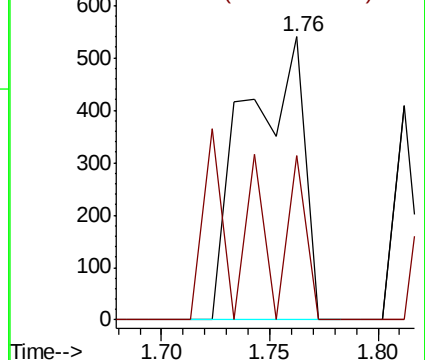
50 100

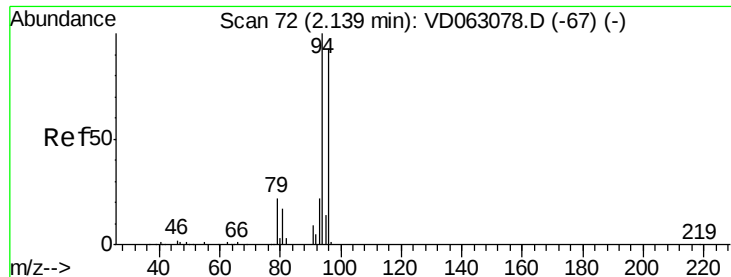
52 58.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD063090.D

Acq: 15 Jul 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

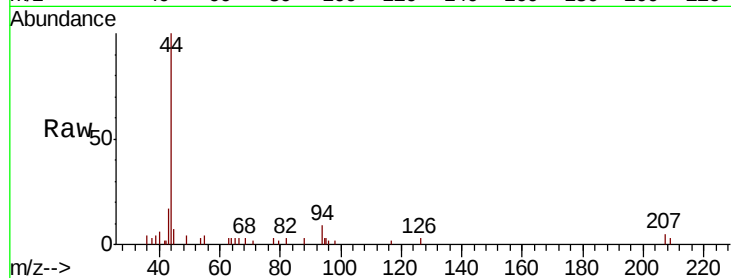
Tot Ion: 94 Resp: 1943

Ion Ratio Lower Upper

94 100

96 17.6 74.2 111.2#

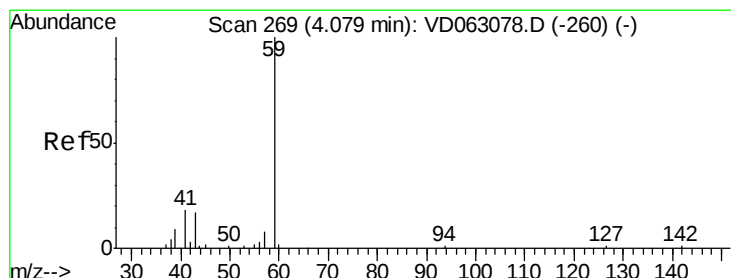
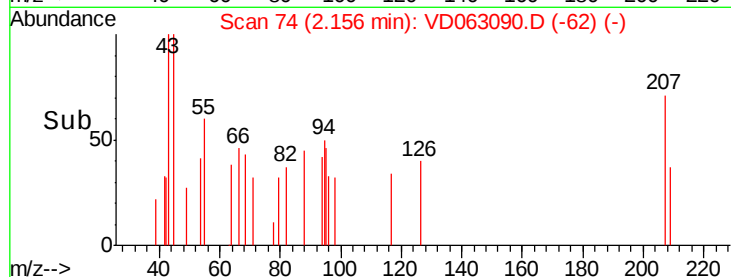
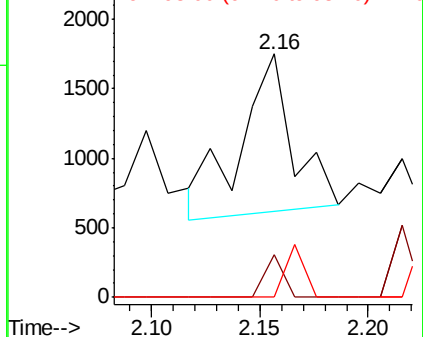
93 0.0 17.8 26.6#



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: 6.766 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.02 min

Lab File: VD063090.D

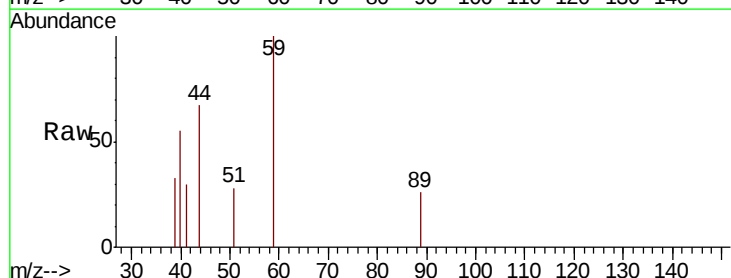
Acq: 15 Jul 2019 19:37

Tgt Ion: 59 Resp: 3051

Ion Ratio Lower Upper

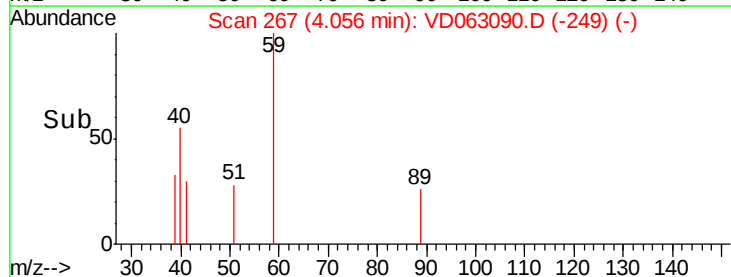
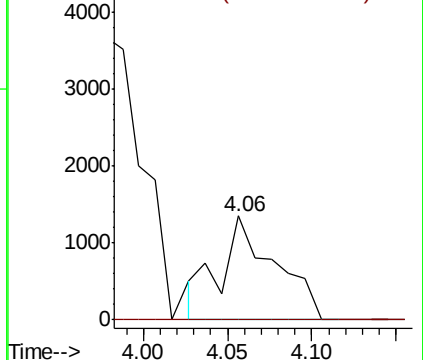
59 100

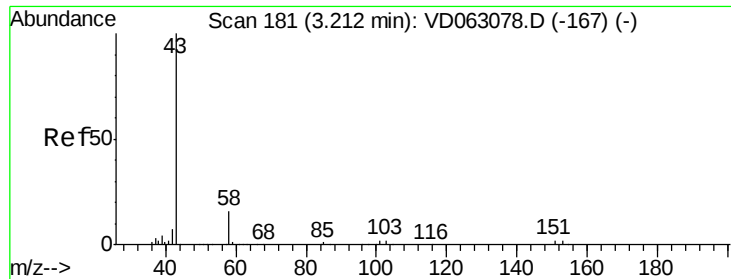
57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

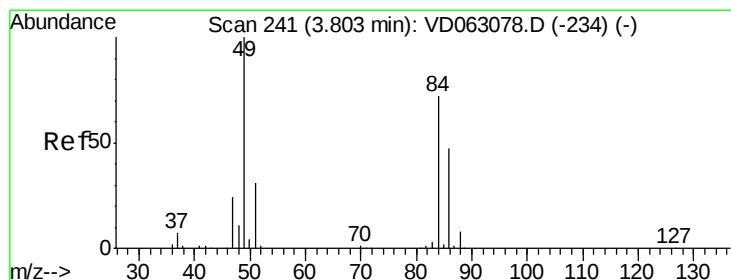
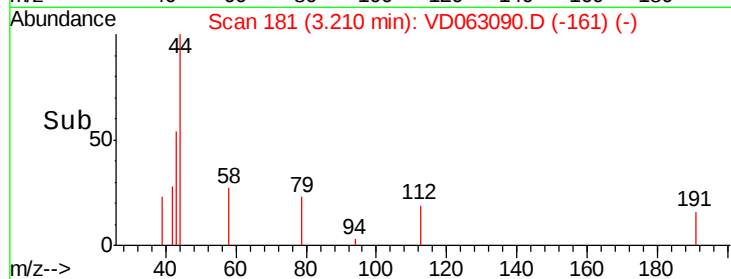
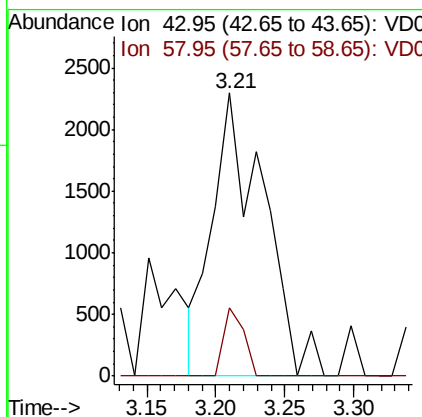
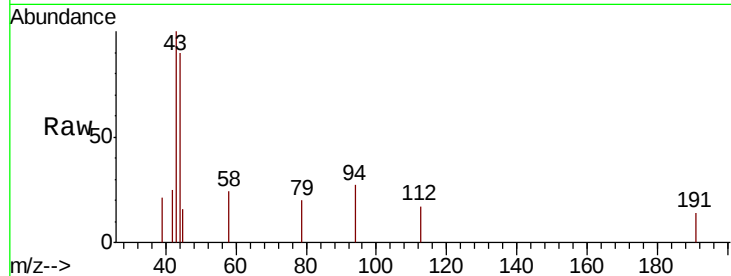




#16
Acetone
Concen: 3.139 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.00 min
Lab File: VD063090.D
Acq: 15 Jul 2019 19:37

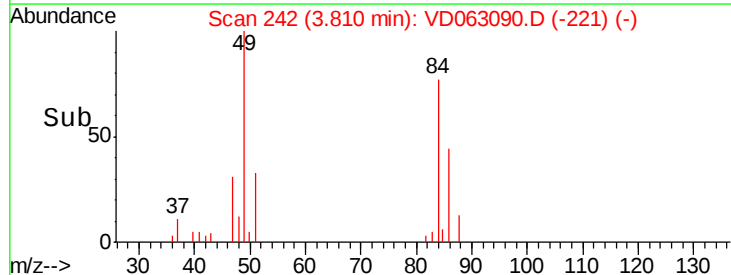
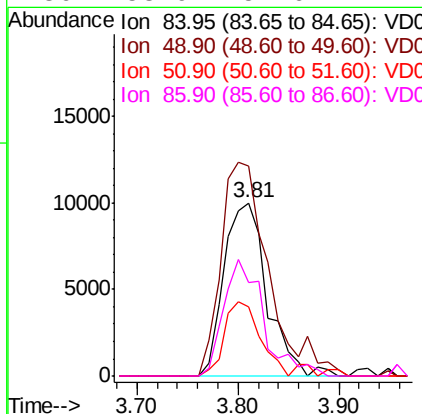
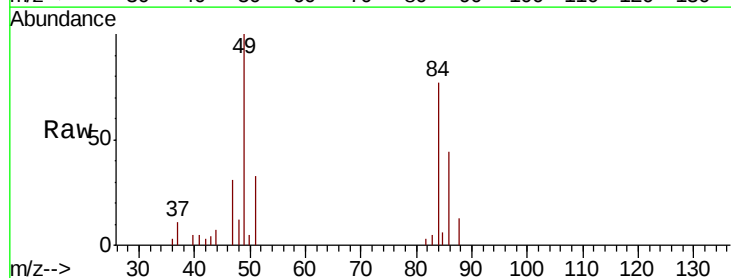
Instrument :
MSVOA_D
ClientSampled :
TP-3

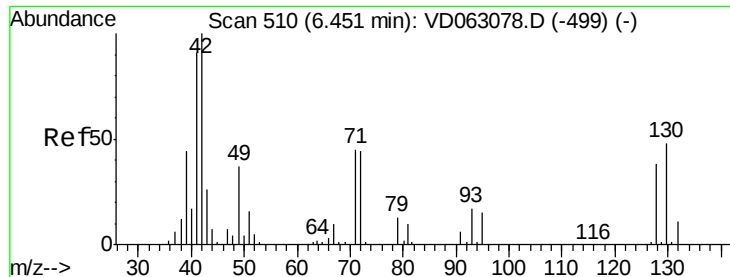
Tot Ion: 43 Resp: 5923
Ion Ratio Lower Upper
43 100
58 24.2 13.0 19.4#



#20
Methylene Chloride
Concen: 4.178 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063090.D
Acq: 15 Jul 2019 19:37

Tgt Ion: 84 Resp: 29787
Ion Ratio Lower Upper
84 100
49 121.4 110.5 165.7
51 40.2 34.6 51.8
86 53.9 51.6 77.4





#29

Tetrahydrofuran

Concen: 1.569 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063090.D

Acq: 15 Jul 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

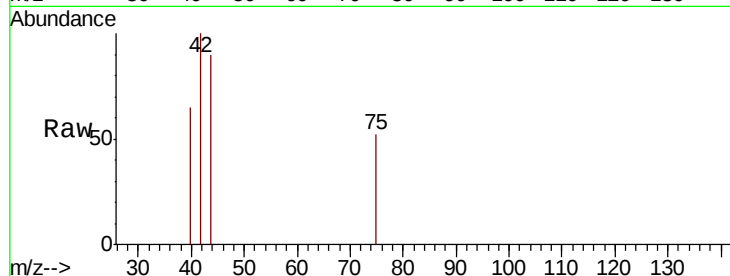
Tot Ion: 42 Resp: 1282

Ion Ratio Lower Upper

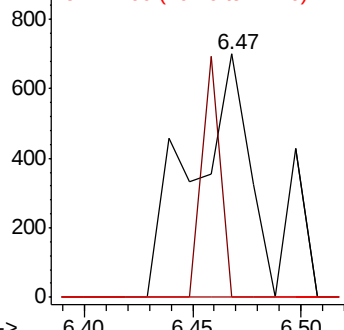
42 100

72 31.9 33.7 50.5#

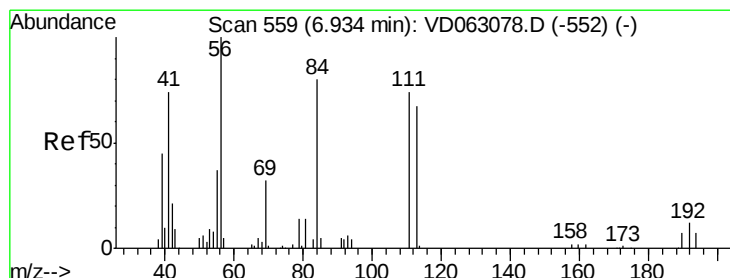
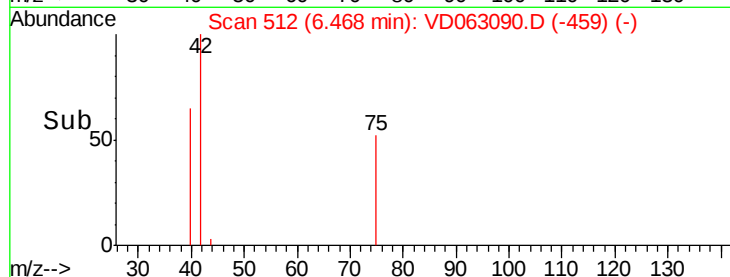
71 0.0 34.2 51.2#



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



Time-->



#31

Cyclohexane

Concen: 1.940 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD063090.D

Acq: 15 Jul 2019 19:37

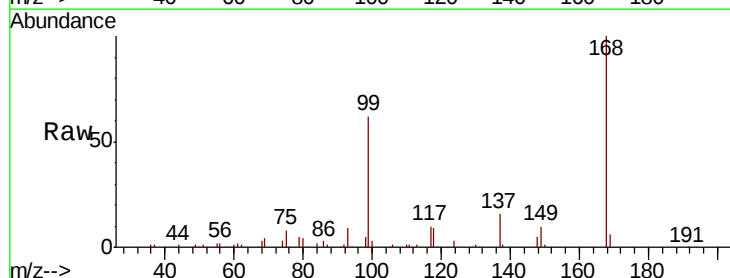
Tgt Ion: 56 Resp: 14427

Ion Ratio Lower Upper

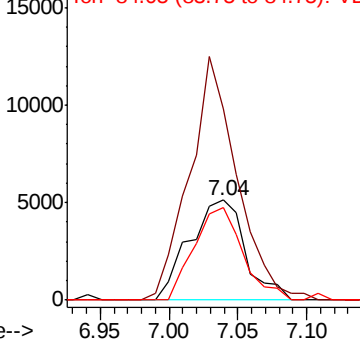
56 100

69 192.0 25.3 37.9#

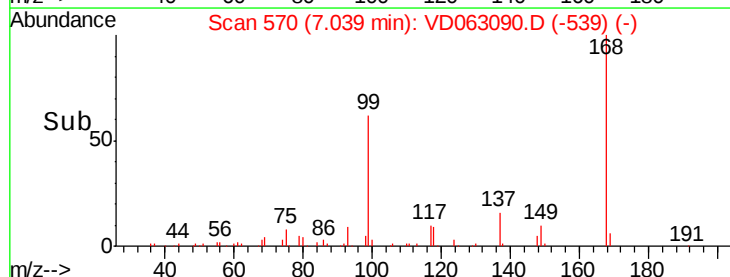
84 93.1 64.2 96.4

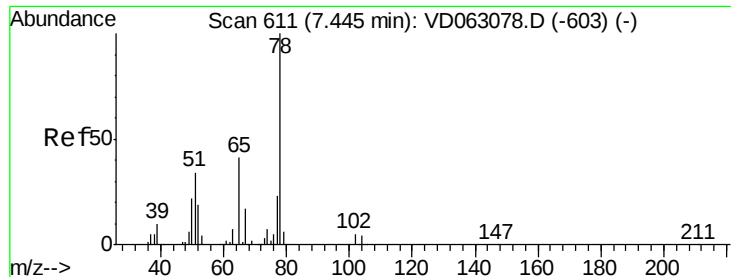


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



Time-->

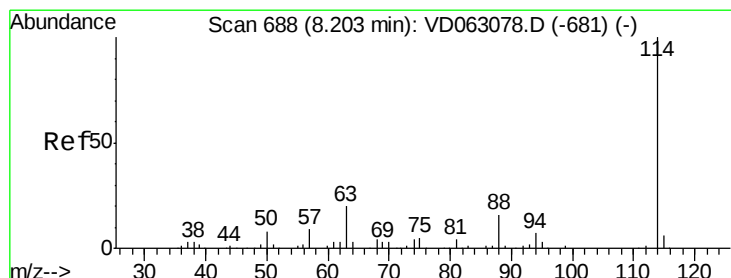
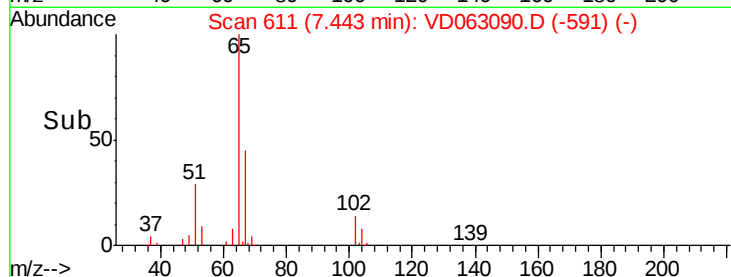
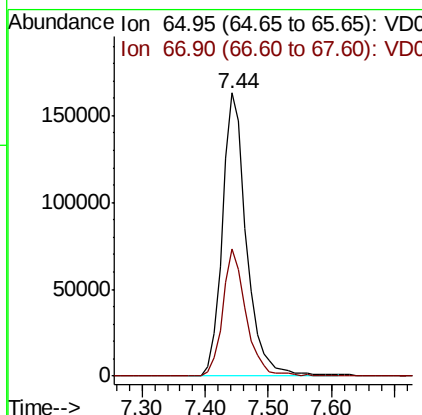
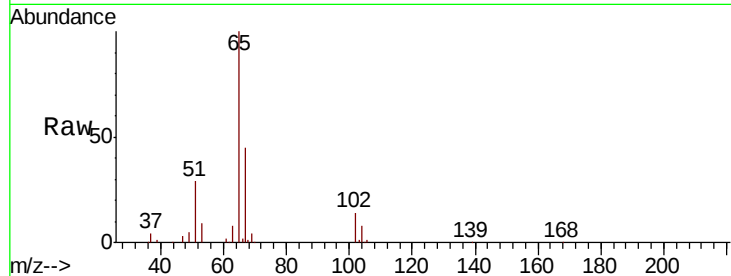




#33
 1,2-Dichloroethane-d4
 Concen: 55.255 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063090.D
 Acq: 15 Jul 2019 19:37

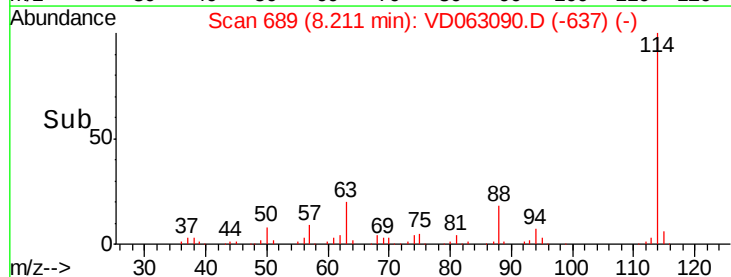
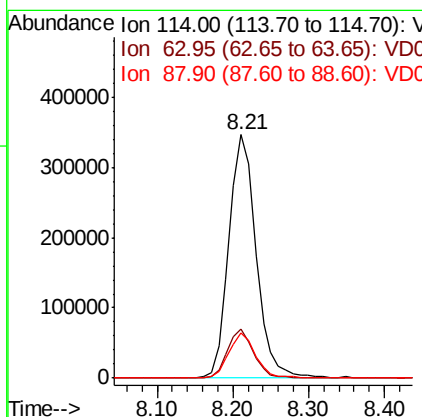
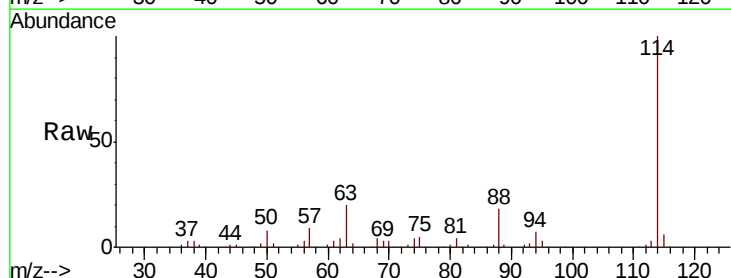
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

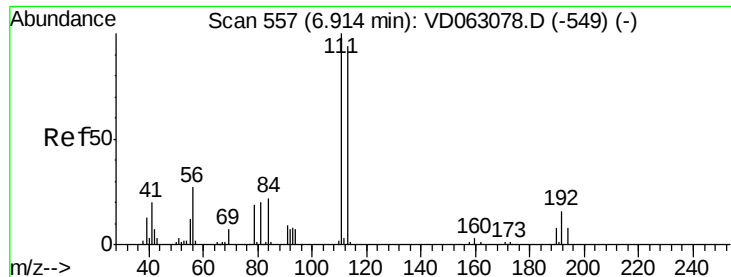
Tot Ion: 65 Resp: 431722
 Ion Ratio Lower Upper
 65 100
 67 44.8 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063090.D
 Acq: 15 Jul 2019 19:37

Tgt Ion: 114 Resp: 861486
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.6
 88 18.3 0.0 32.6

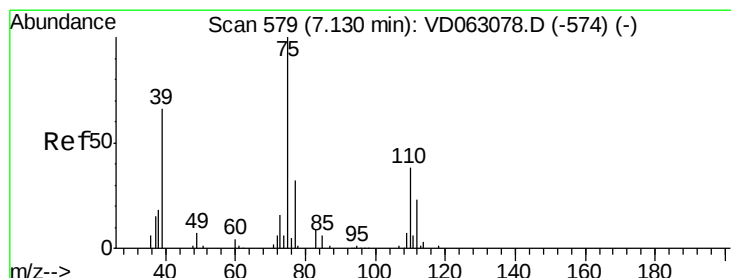
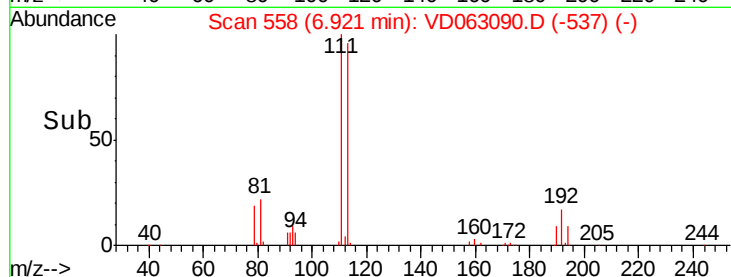
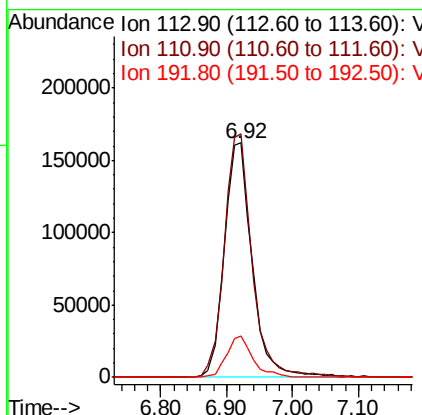
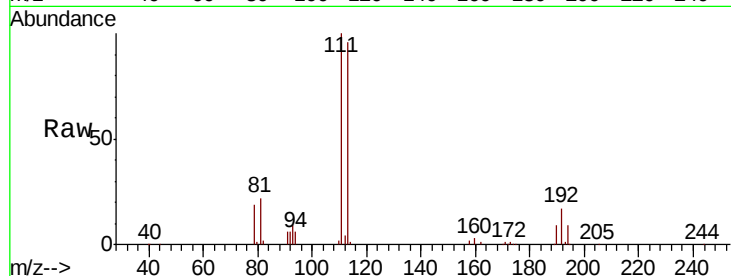




#35
 Dibromofluoromethane
 Concen: 56.120 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063090.D
 Acq: 15 Jul 2019 19:37

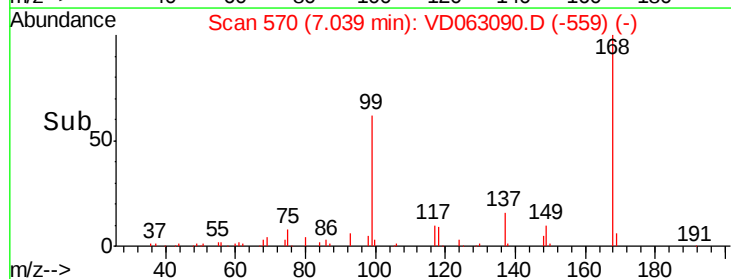
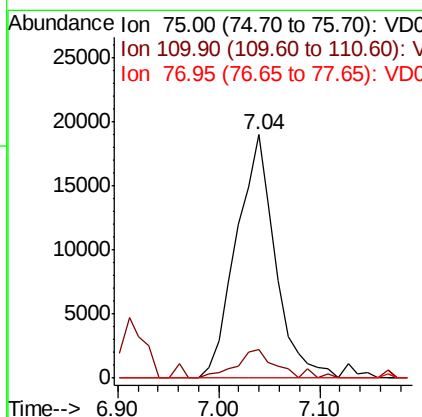
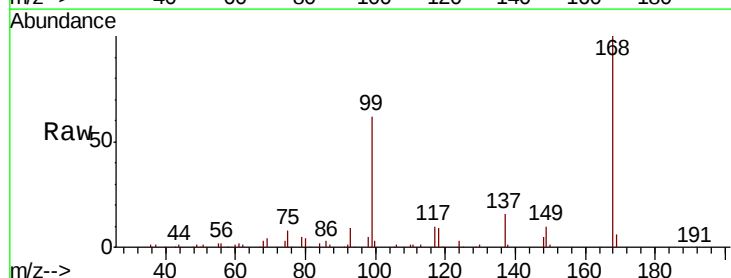
Instrument :
 MSVOA_D
 ClientSampleId :
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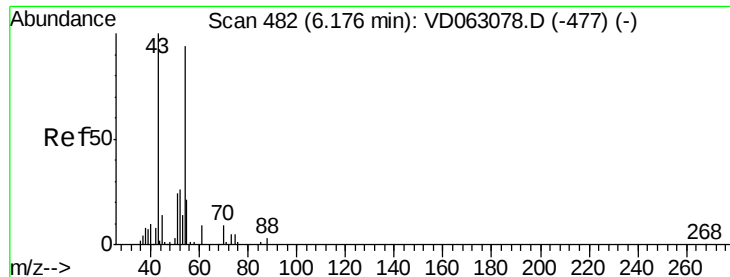
Tot Ion:113 Resp: 481547
 Ion Ratio Lower Upper
 113 100
 111 104.0 84.8 127.2
 192 17.9 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 5.270 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063090.D
 Acq: 15 Jul 2019 19:37

Tgt Ion: 75 Resp: 51058
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.9 56.5#
 77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.868 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063090.D

Acq: 15 Jul 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

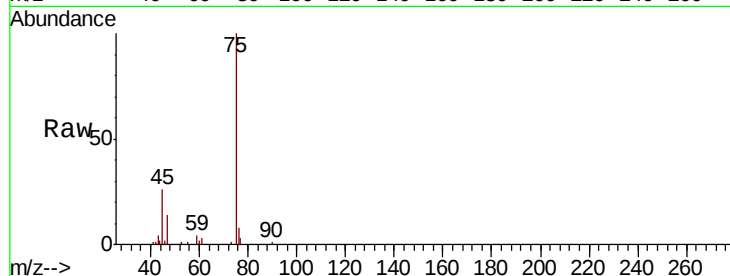
Tot Ion: 43 Resp: 7744

Ion Ratio Lower Upper

43 100

61 61.9 10.6 16.0#

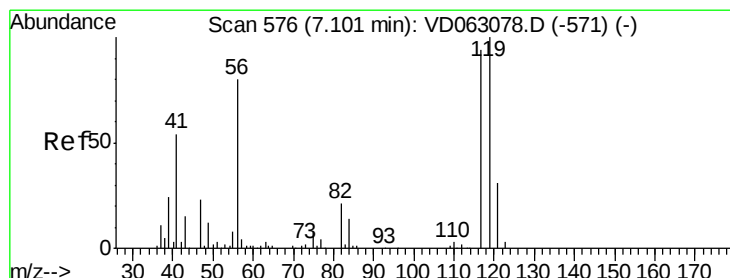
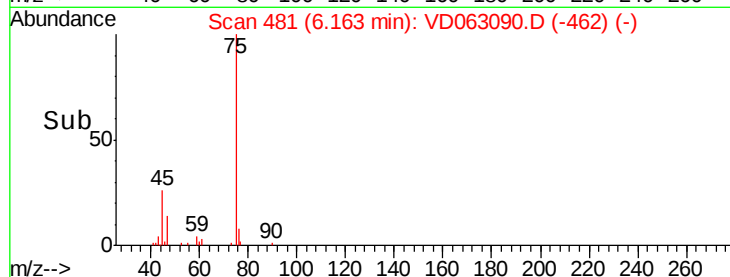
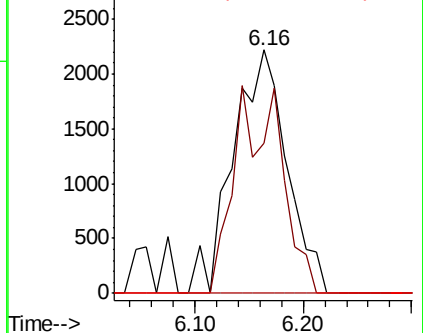
70 0.0 6.6 9.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.271 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063090.D

Acq: 15 Jul 2019 19:37

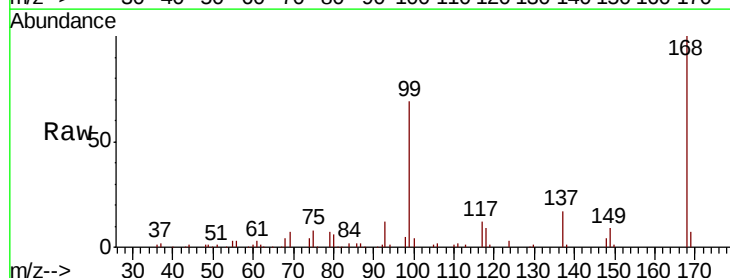
Tgt Ion: 117 Resp: 62882

Ion Ratio Lower Upper

117 100

119 5.5 80.0 120.0#

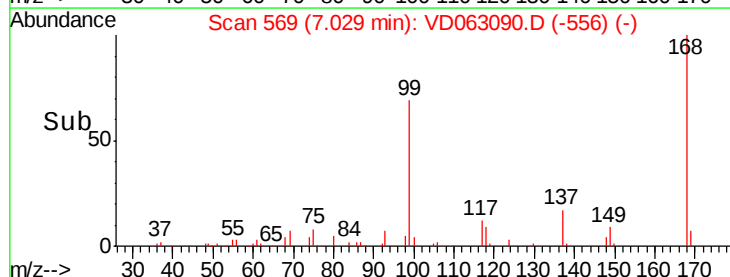
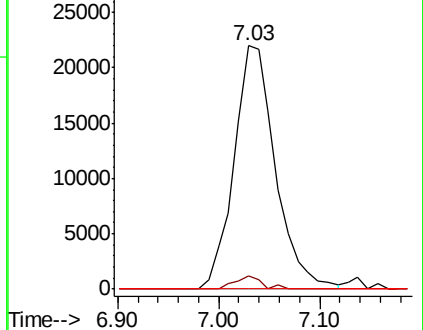
121 0.0 25.0 37.4#

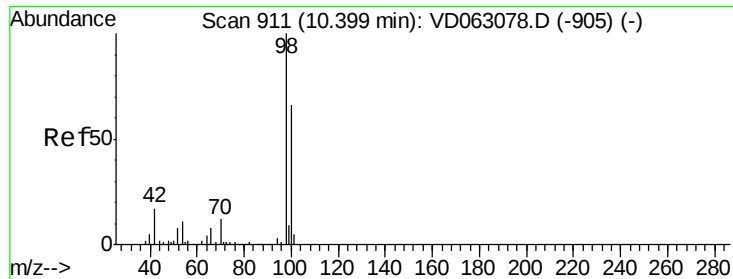


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

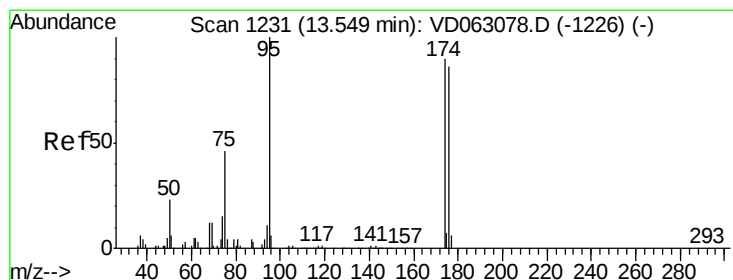
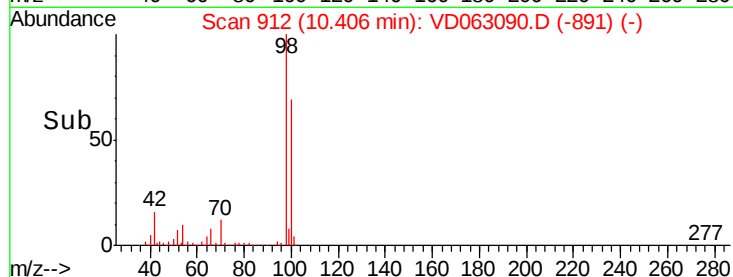
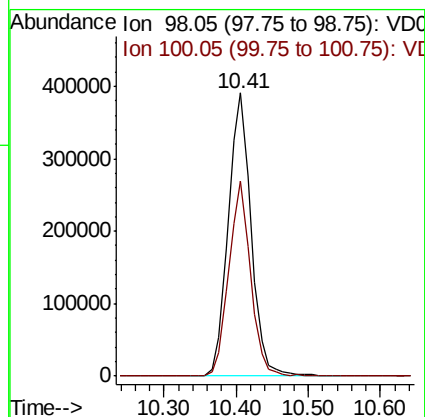
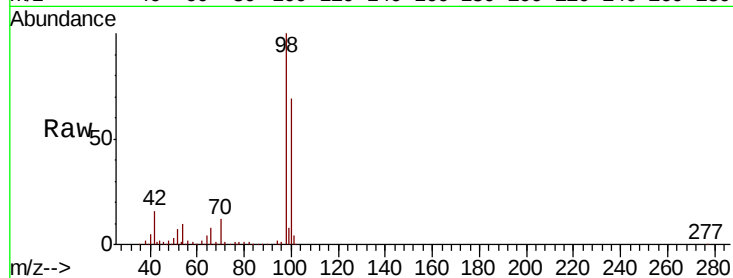




#50
Toluene-d8
Concen: 46.540 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063090.D
Acq: 15 Jul 2019 19:37

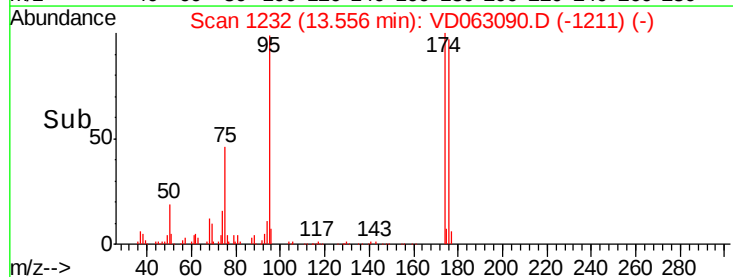
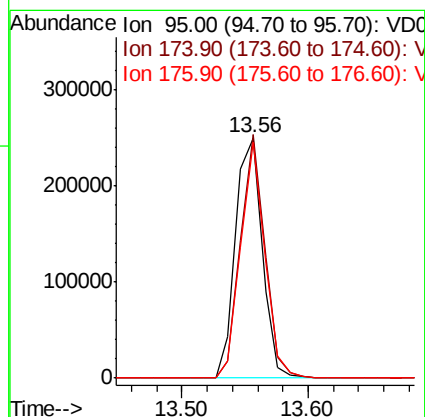
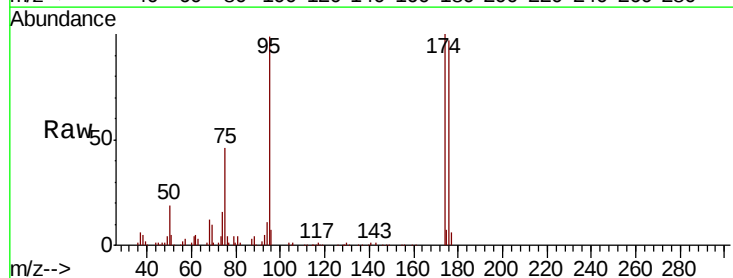
Instrument :
MSVOA_D
ClientSampleId :
TP-3

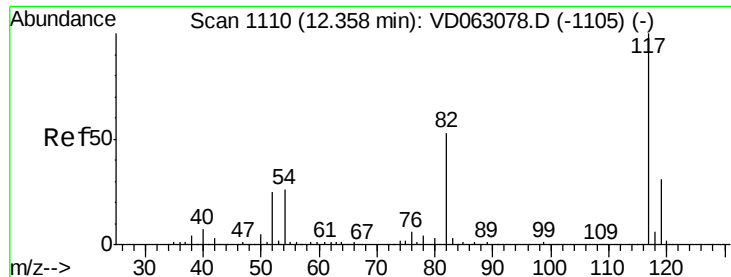
Tot Ion: 98 Resp: 857780
Ion Ratio Lower Upper
98 100
100 69.0 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 42.826 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063090.D
Acq: 15 Jul 2019 19:37

Tgt Ion: 95 Resp: 365176
Ion Ratio Lower Upper
95 100
174 101.4 0.0 180.6
176 98.5 0.0 172.2

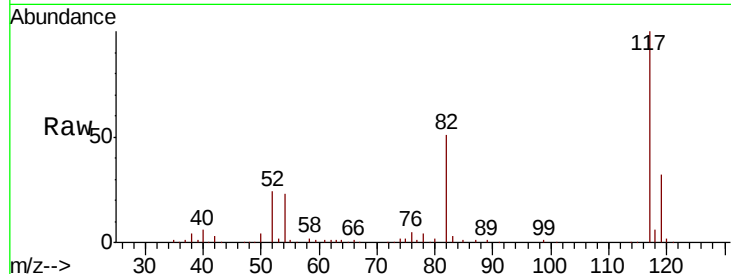




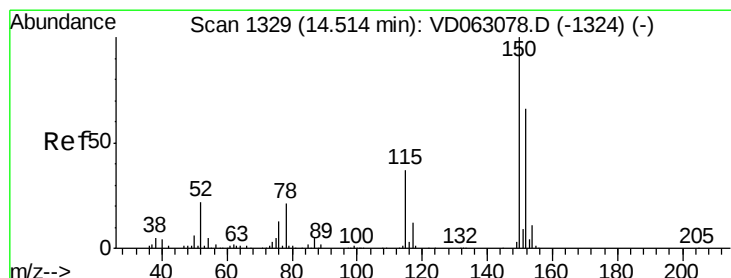
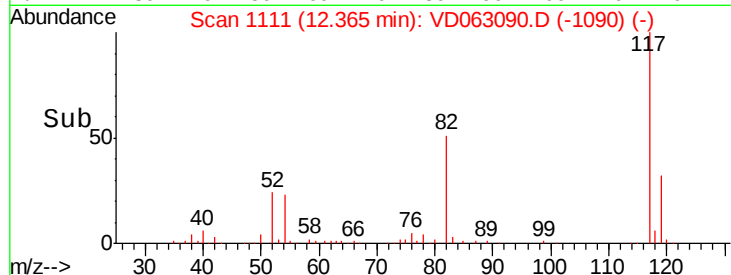
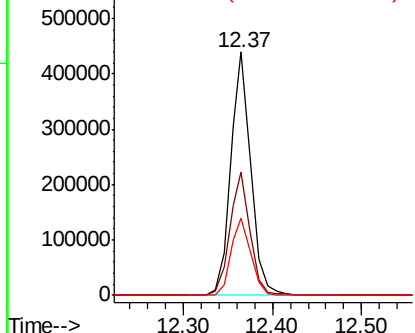
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063090.D
Acq: 15 Jul 2019 19:37

Instrument :
MSVOA_D
ClientSampled :
TP-3

Tot Ion:117 Resp: 699204
Ion Ratio Lower Upper
117 100
82 50.7 42.3 63.5
119 31.9 25.2 37.8

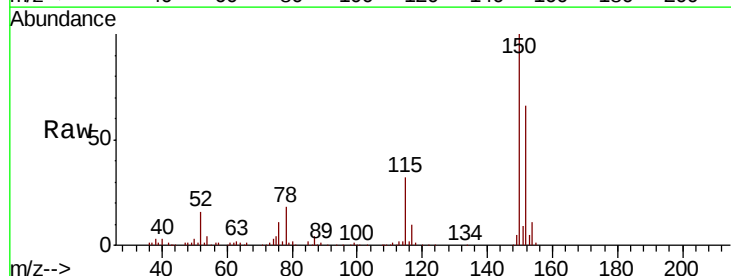


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

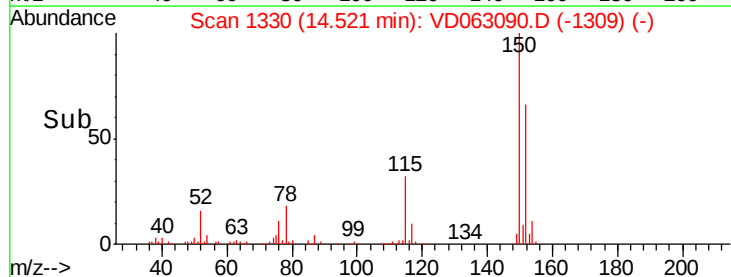
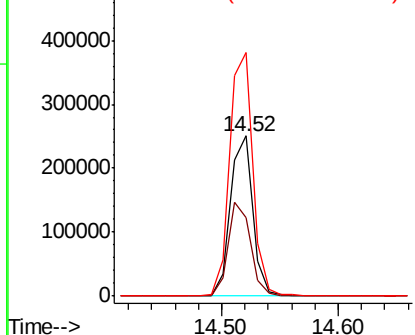


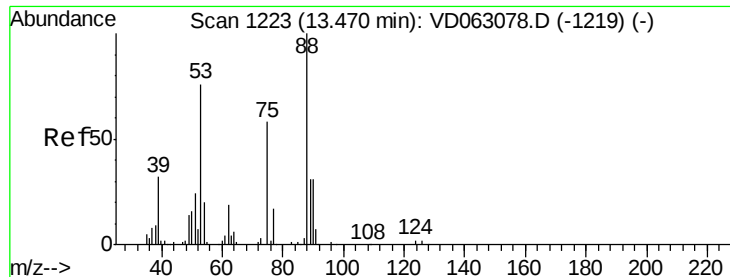
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063090.D
Acq: 15 Jul 2019 19:37

Tgt Ion:152 Resp: 333275
Ion Ratio Lower Upper
152 100
115 48.7 28.9 86.8
150 152.1 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





#81

trans-1,4-Dichloro-2-butene

Concen: 132.861 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063090.D

Acq: 15 Jul 2019 19:37

Instrument :

MSVOA_D

ClientSampleId :

TP-3

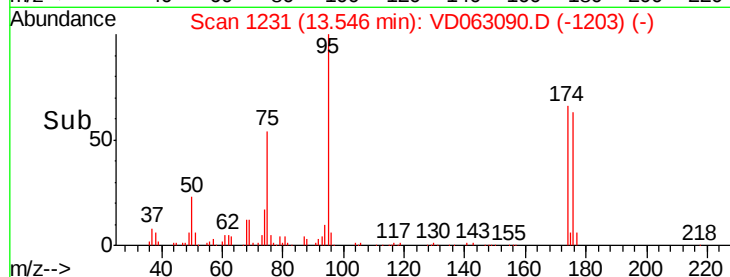
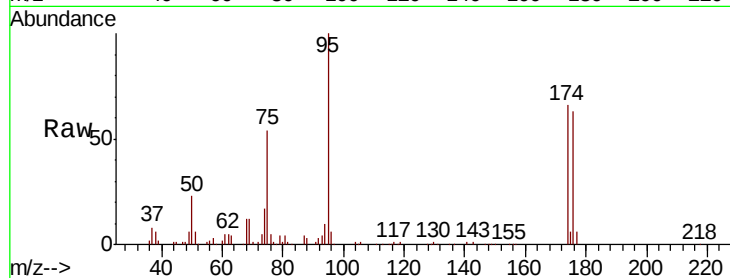
Tot Ion: 75 Resp: 179370

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



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

