

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063135.D
 Acq On : 17 Jul 2019 16:58
 Operator : VA/AP
 Sample : K3820-01
 Misc : 6.40g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 18 06:57:54 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	748454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1038212	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	833073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	399361	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	466348	50.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.04%	
35) Dibromofluoromethane	6.92	113	452602	43.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.54%	
50) Toluene-d8	10.41	98	1020862	45.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.92%	
62) 4-Bromofluorobenzene	13.56	95	385498	37.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.02%	

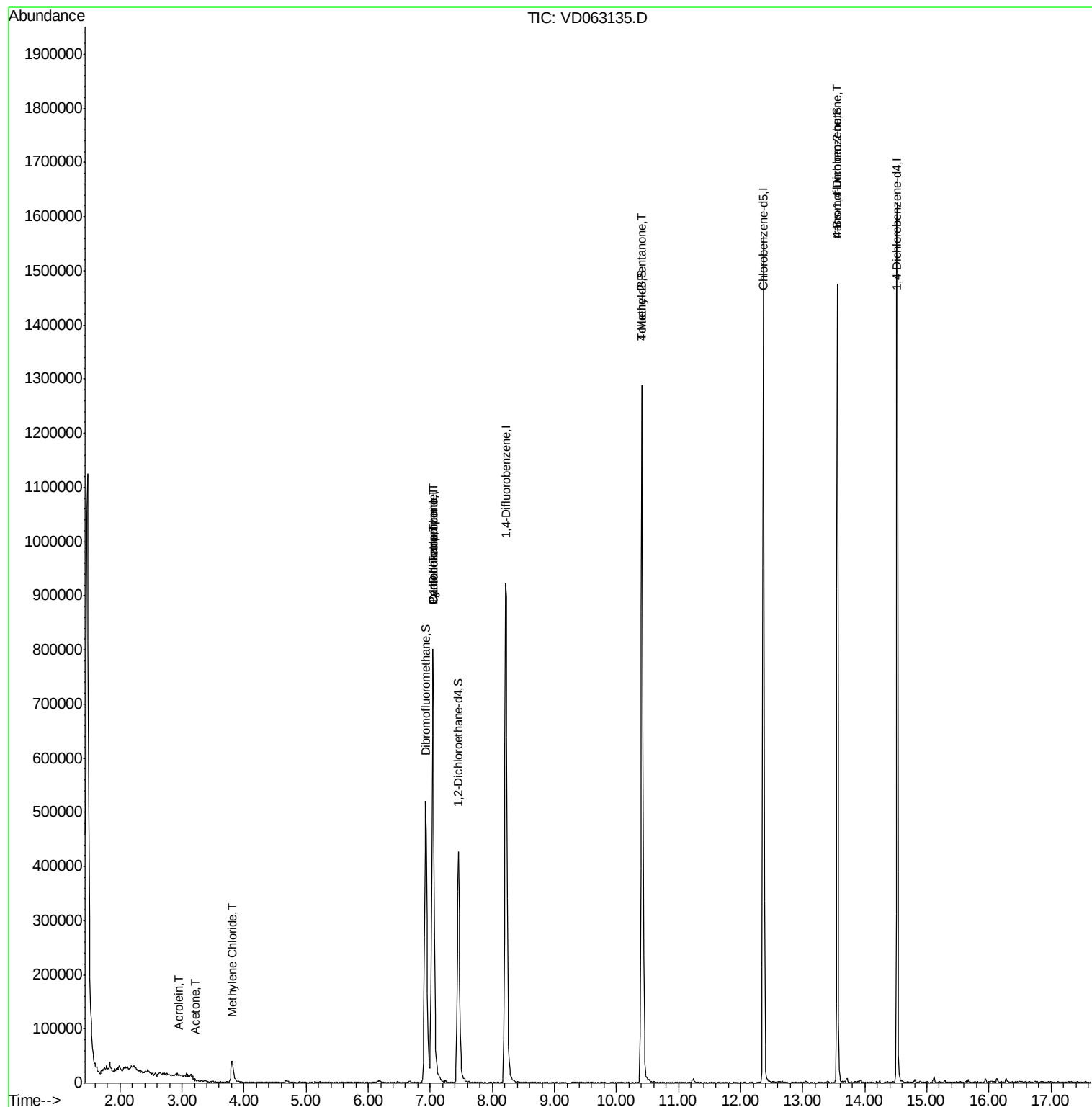
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	265	Below Cal	#	43
3) Chloromethane	1.76	50	966	Below Cal	#	48
5) Bromomethane	2.14	94	931	Below Cal	#	14
13) Acrolein	2.95	56	267	1.644	ug/l #	58
16) Acetone	3.22	43	2525	1.121	ug/l #	62
18) Methyl Acetate	3.63	43	251	Below Cal	#	63
20) Methylene Chloride	3.81	84	26026	3.059	ug/l #	87
31) Cyclohexane	7.04	56	19184	2.161	ug/l #	15
36) 1,1-Dichloropropene	7.04	75	57871	4.956	ug/l #	46
38) Carbon Tetrachloride	7.04	117	77073	4.344	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	5879	1.237	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	186463	115.260	ug/l #	1

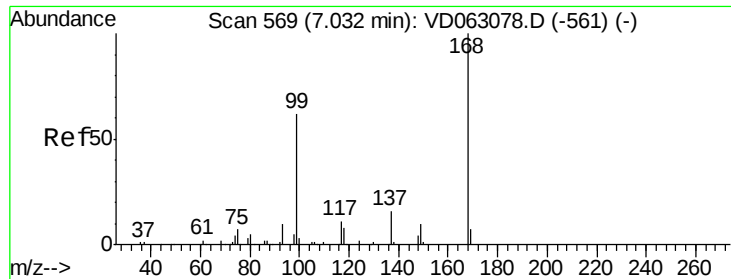
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063135.D

Acq: 17 Jul 2019 16:58

Instrument :

MSVOA_D

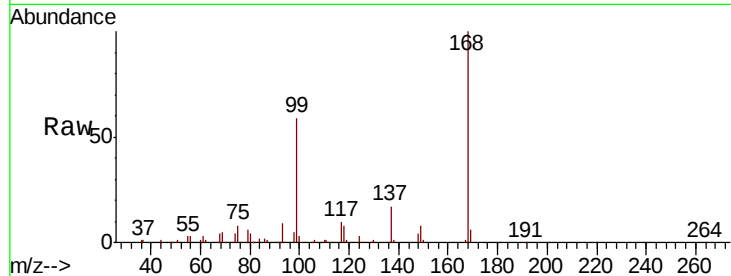
ClientSampleId :

Tot Ion:168 Resp: 748454

Ion Ratio Lower Upper

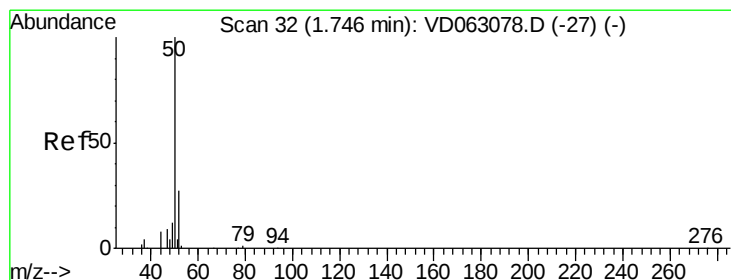
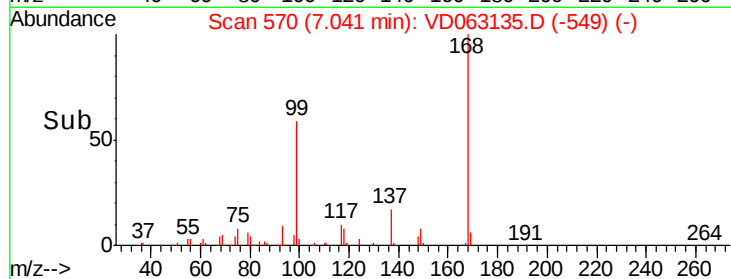
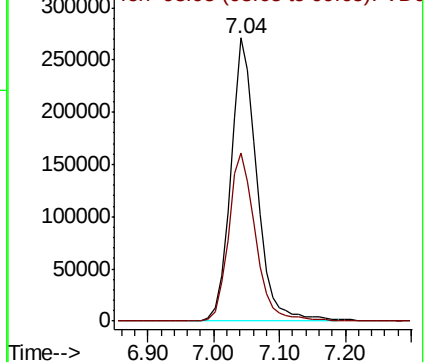
168 100

99 59.3 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: VD063135.D

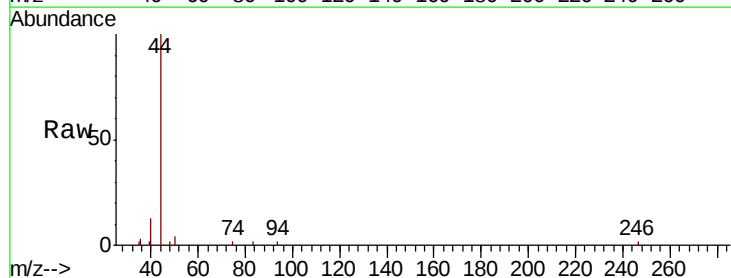
Acq: 17 Jul 2019 16:58

Tgt Ion: 50 Resp: 966

Ion Ratio Lower Upper

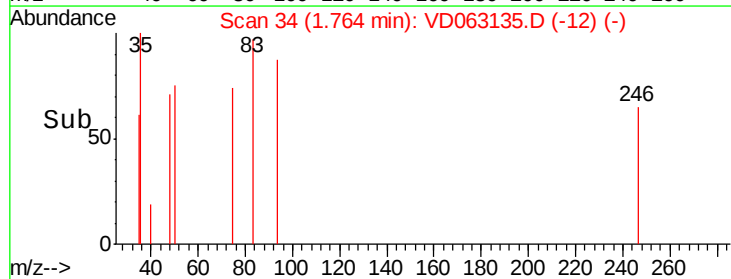
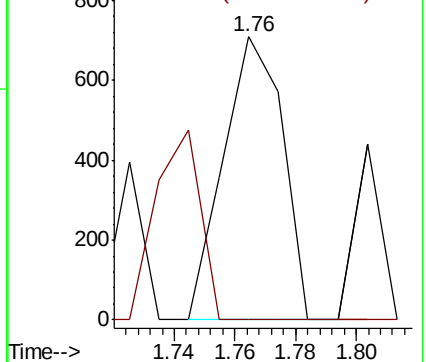
50 100

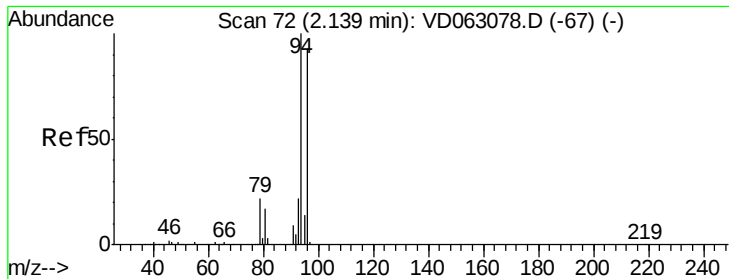
52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063135.D

Acq: 17 Jul 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

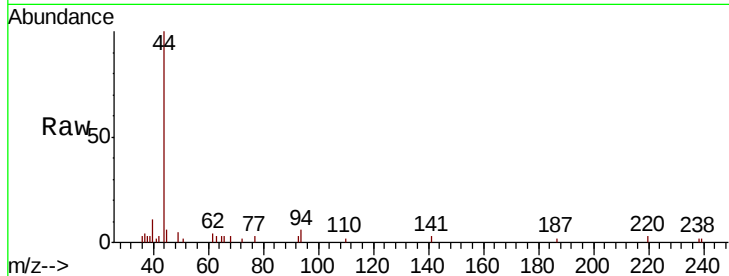
Tot Ion: 94 Resp: 931

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

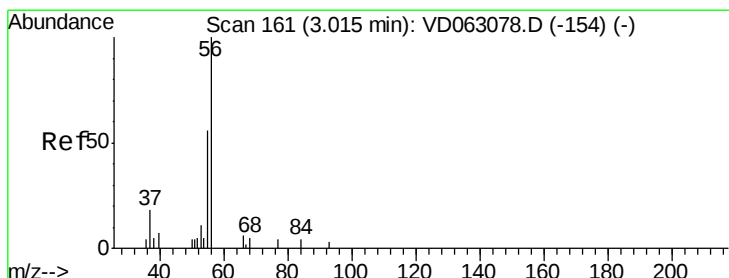
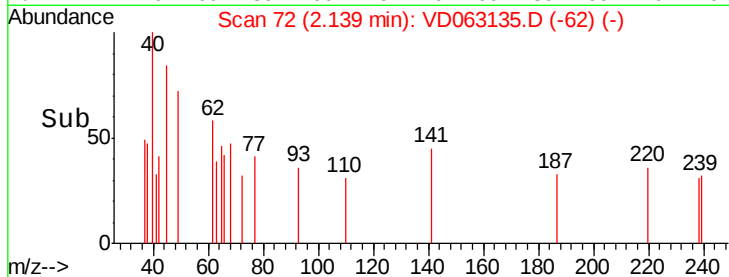
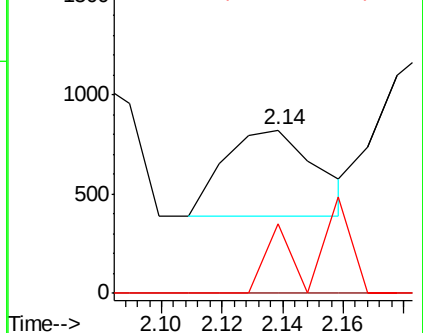
93 42.5 17.8 26.6#



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



#13

Acrolein

Concen: 1.644 ug/l

RT: 2.95 min Scan# 154

Delta R.T. -0.07 min

Lab File: VD063135.D

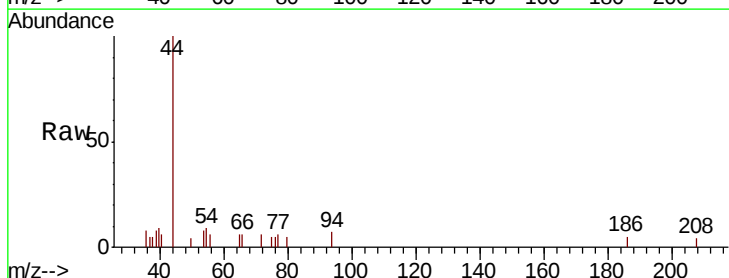
Acq: 17 Jul 2019 16:58

Tgt Ion: 56 Resp: 267

Ion Ratio Lower Upper

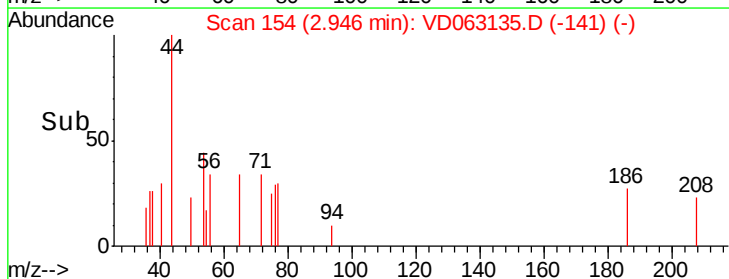
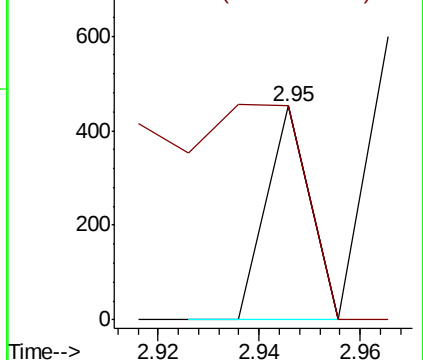
56 100

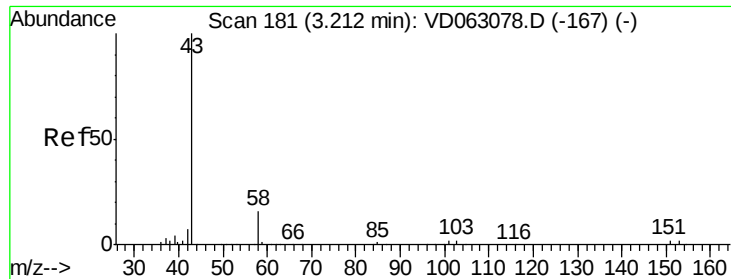
55 100.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.121 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063135.D

Acq: 17 Jul 2019 16:58

Instrument :

MSVOA_D

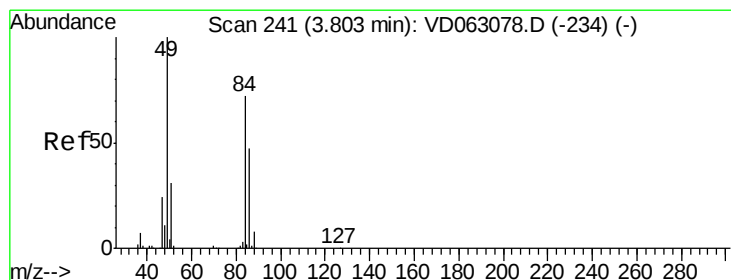
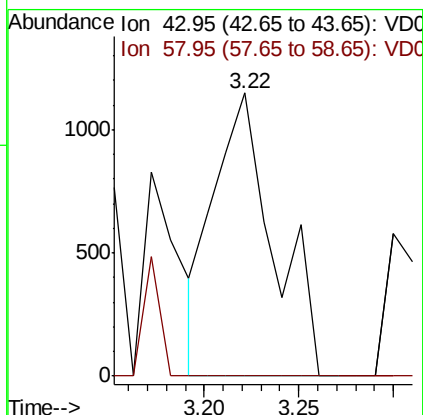
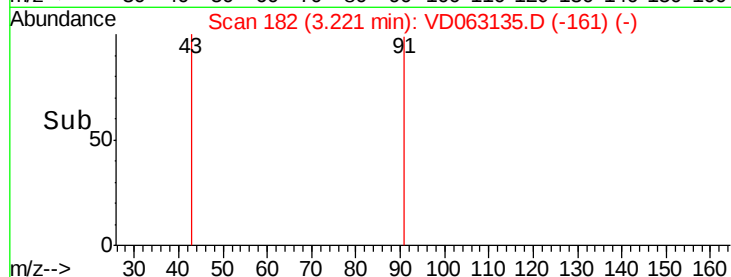
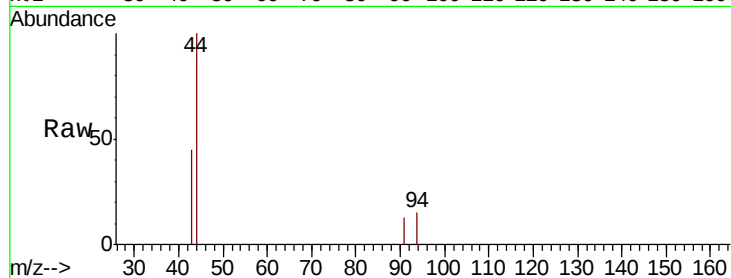
ClientSampled :

Tot Ion: 43 Resp: 2525

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



#20

Methylene Chloride

Concen: 3.059 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063135.D

Acq: 17 Jul 2019 16:58

Tgt Ion: 84 Resp: 26026

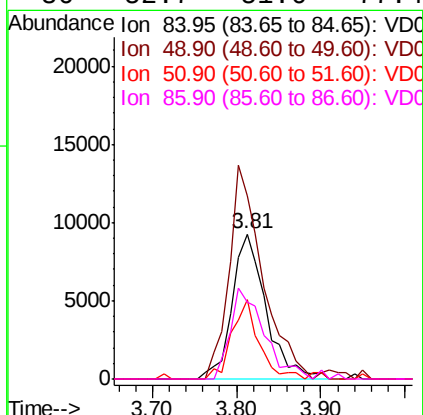
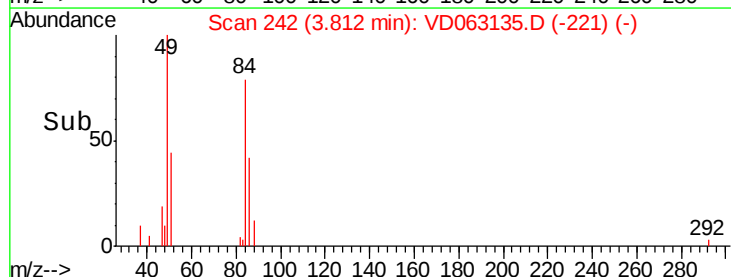
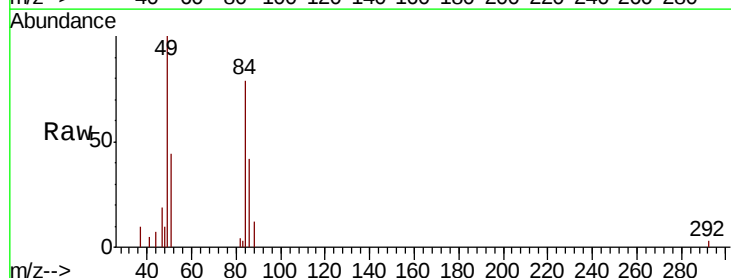
Ion Ratio Lower Upper

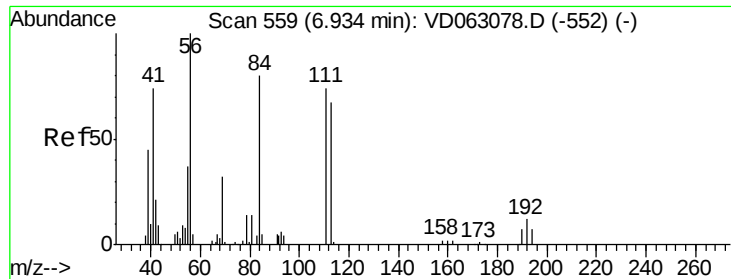
84 100

49 126.0 110.5 165.7

51 54.9 34.6 51.8#

86 52.7 51.6 77.4

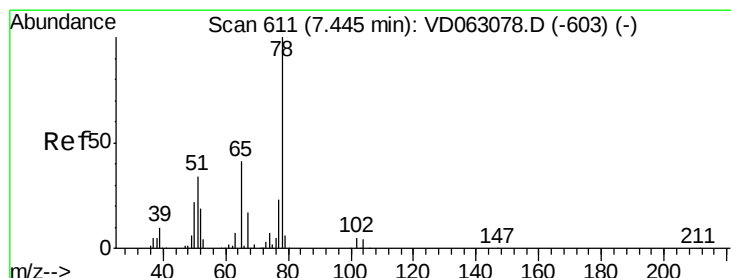
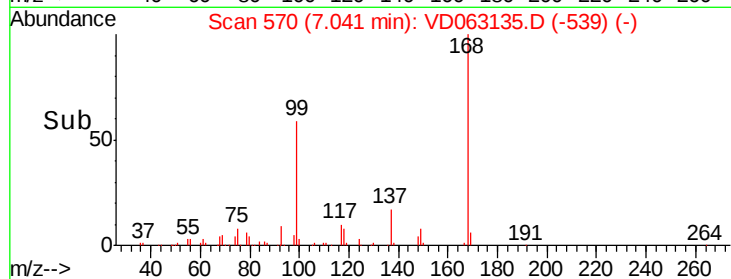
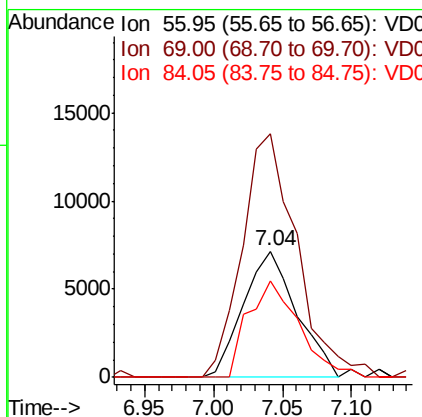
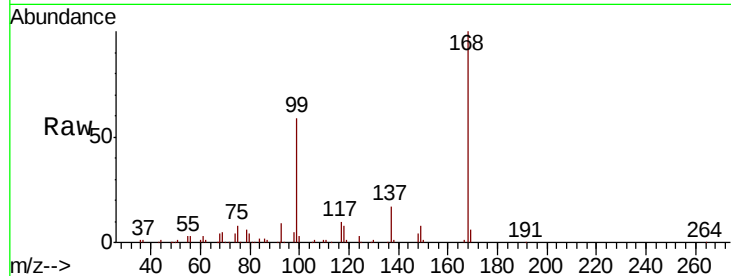




#31
Cvclohexane
Concen: 2.161 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.11 min
Lab File: VD063135.D
Acq: 17 Jul 2019 16:58

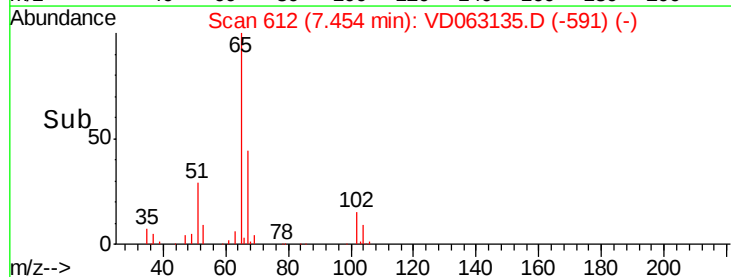
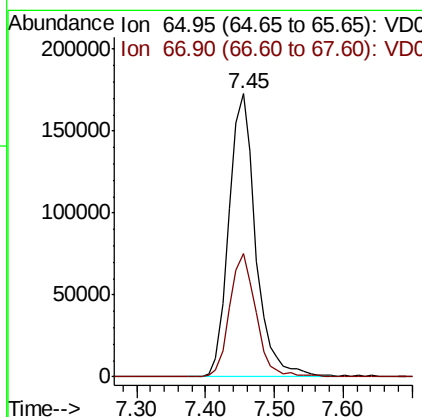
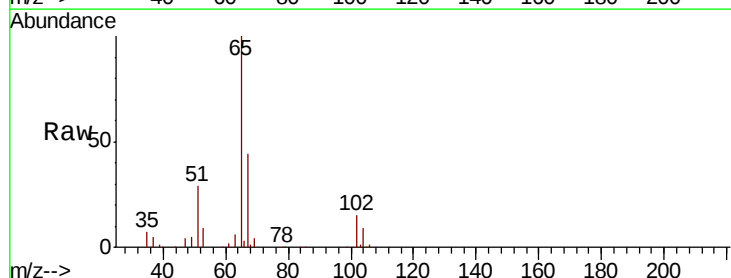
Instrument :
MSVOA_D
ClientSampleId :

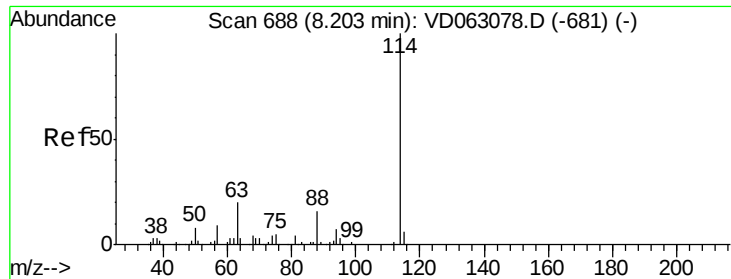
Tot Ion: 56 Resp: 19184
Ion Ratio Lower Upper
56 100
69 193.0 25.3 37.9#
84 76.6 64.2 96.4



#33
1,2-Dichloroethane-d4
Concen: 50.019 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063135.D
Acq: 17 Jul 2019 16:58

Tgt Ion: 65 Resp: 466348
Ion Ratio Lower Upper
65 100
67 43.7 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: VD063135.D

Acq: 17 Jul 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

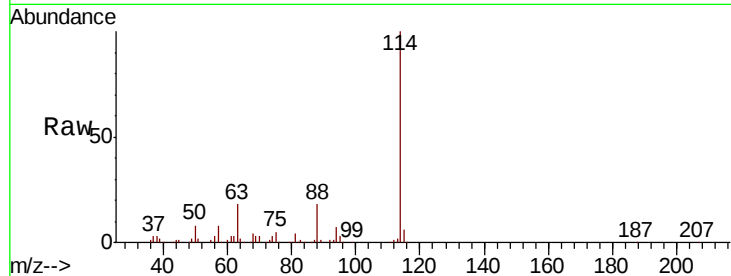
Tot Ion:114 Resp: 1038212

Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.6

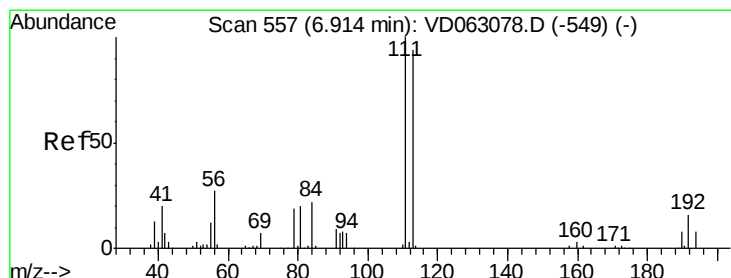
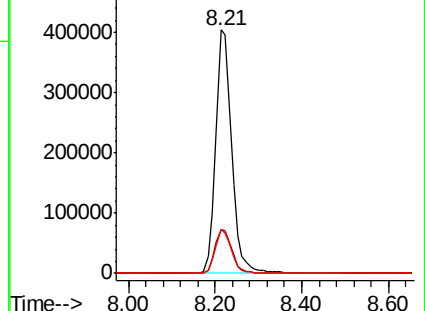
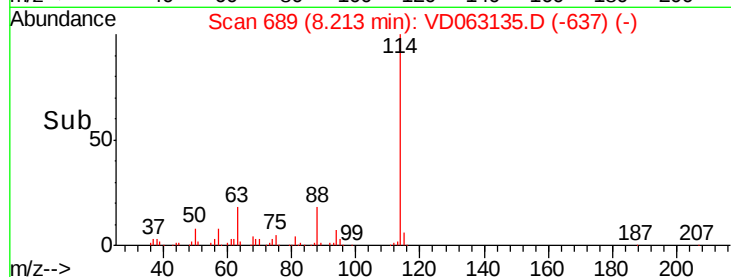
88 17.9 0.0 32.6



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: 43.768 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063135.D

Acq: 17 Jul 2019 16:58

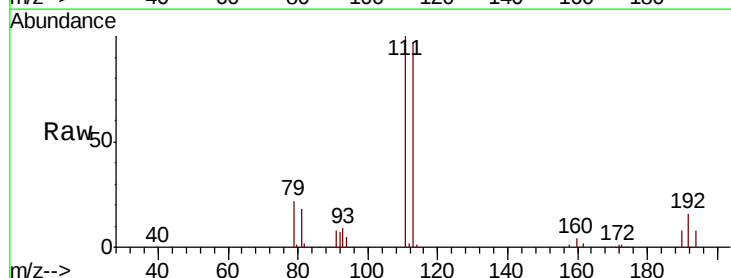
Tgt Ion:113 Resp: 452602

Ion Ratio Lower Upper

113 100

111 102.6 84.8 127.2

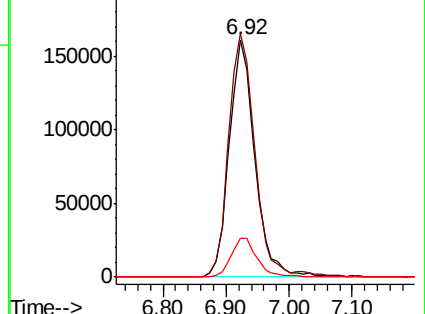
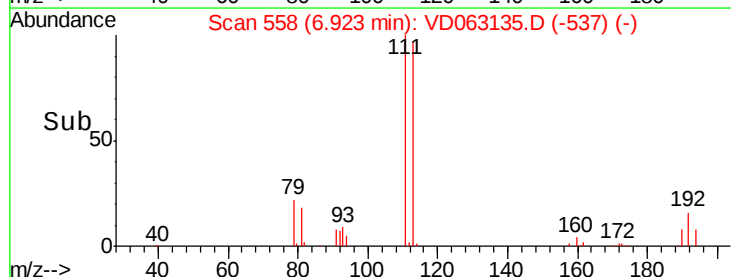
192 16.3 13.4 20.0

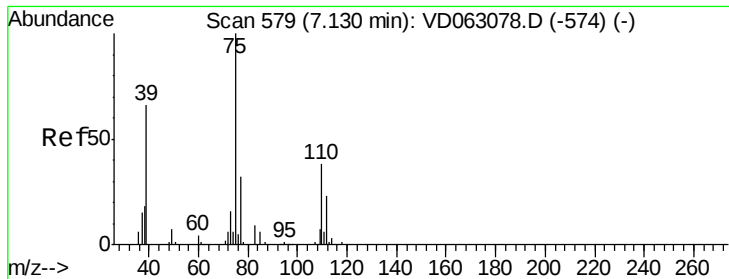


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.956 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063135.D

Acq: 17 Jul 2019 16:58

Instrument :

MSVOA_D

ClientSampled :

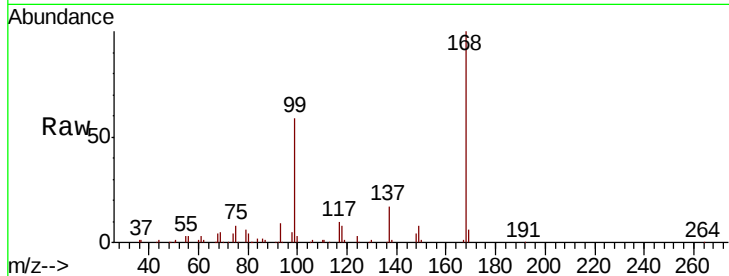
Tot Ion: 75 Resp: 57871

Ion Ratio Lower Upper

75 100

110 6.7 18.9 56.5#

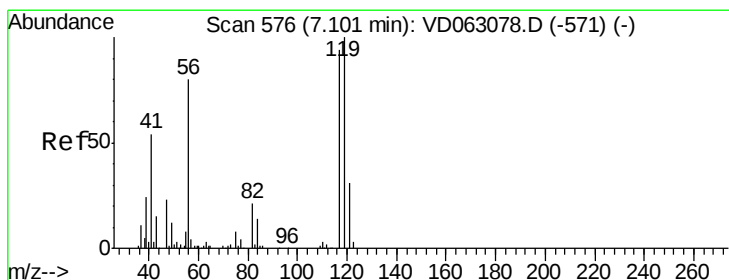
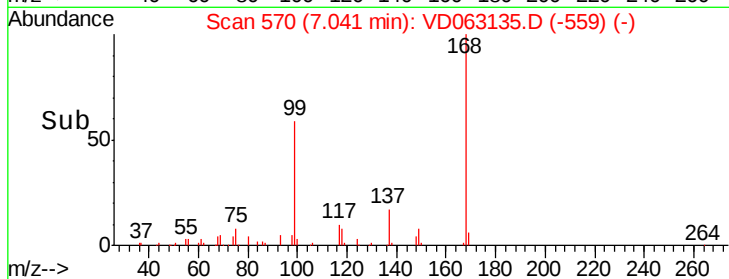
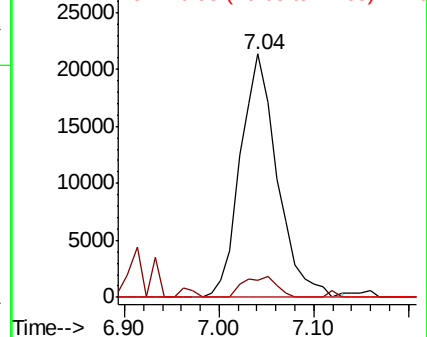
77 0.0 25.2 37.8#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 4.344 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063135.D

Acq: 17 Jul 2019 16:58

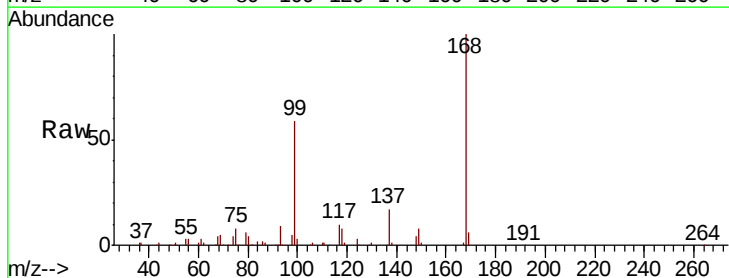
Tgt Ion: 117 Resp: 77073

Ion Ratio Lower Upper

117 100

119 7.0 80.0 120.0#

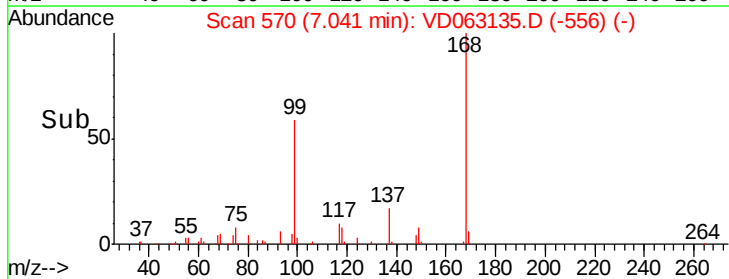
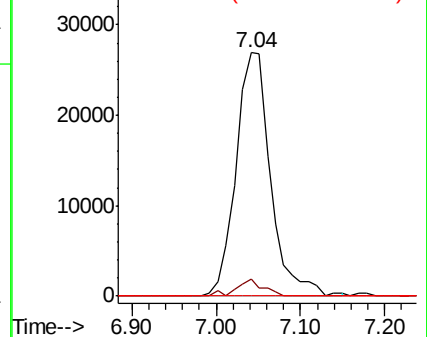
121 0.0 25.0 37.4#

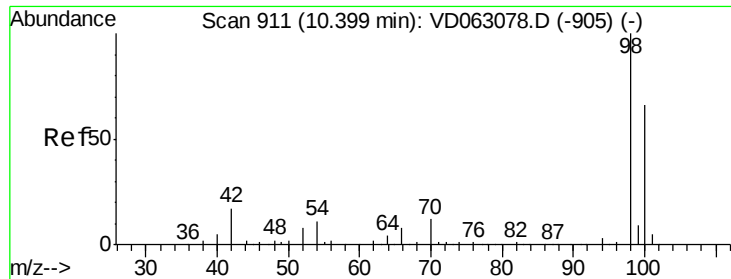


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

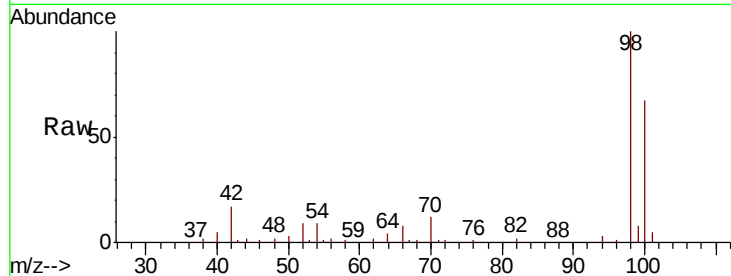




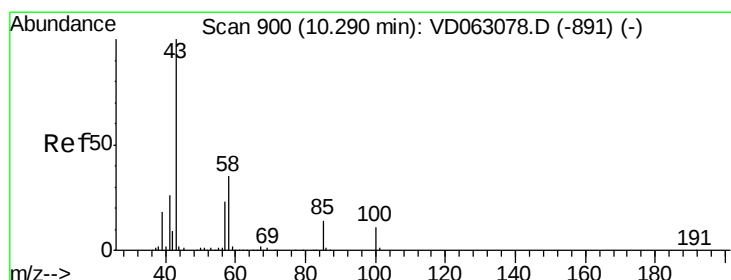
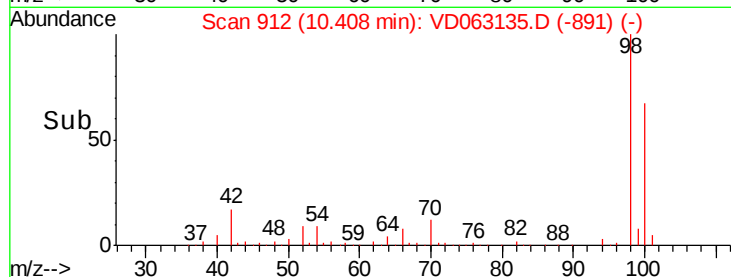
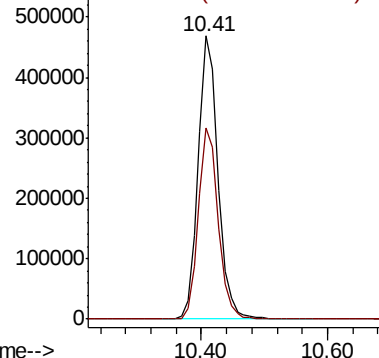
#50
Toluene-d8
Concen: 45.960 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063135.D
Acq: 17 Jul 2019 16:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1020862
Ion Ratio Lower Upper
98 100
100 67.4 53.5 80.3

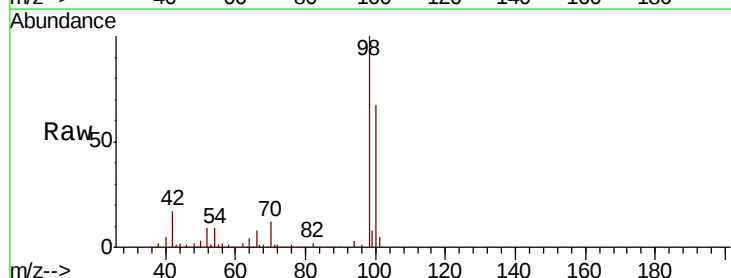


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

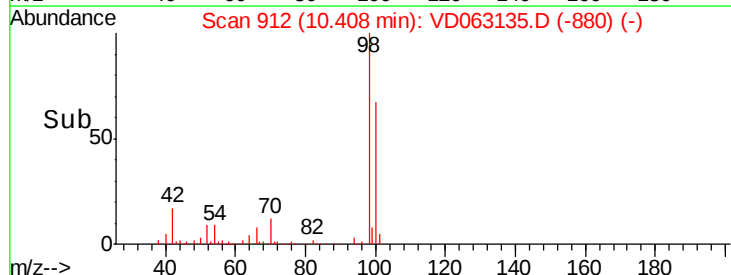
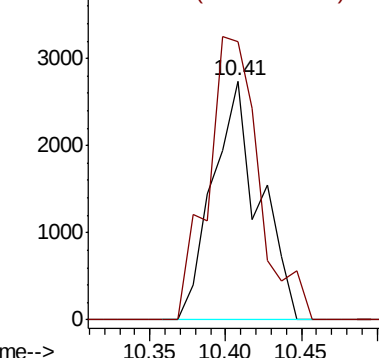


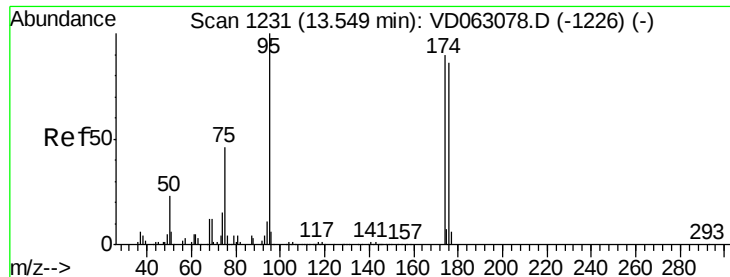
#51
4-Methyl-2-Pentanone
Concen: 1.237 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.12 min
Lab File: VD063135.D
Acq: 17 Jul 2019 16:58

Tgt Ion: 43 Resp: 5879
Ion Ratio Lower Upper
43 100
58 116.7 27.8 41.6#



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

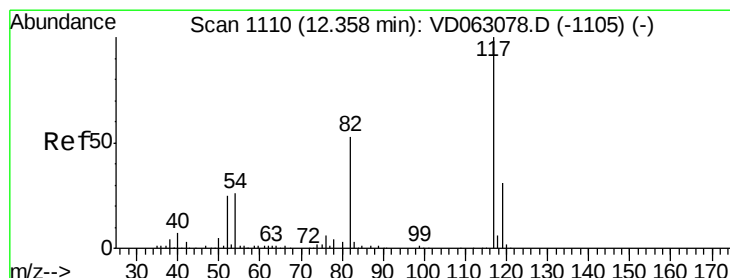
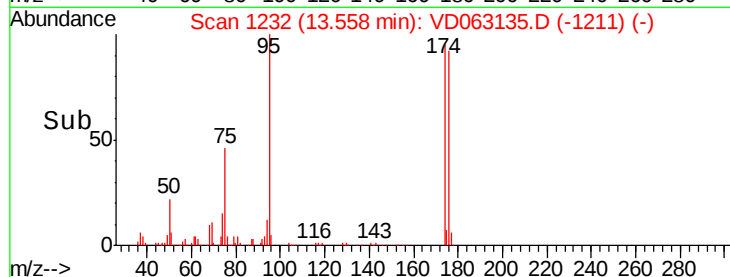
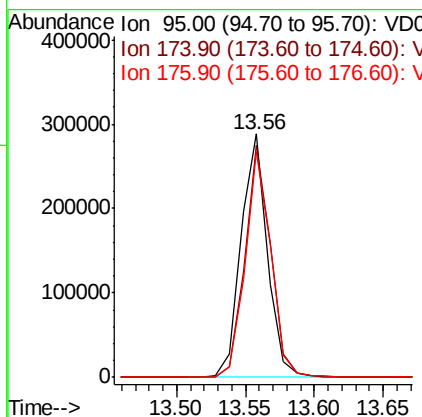
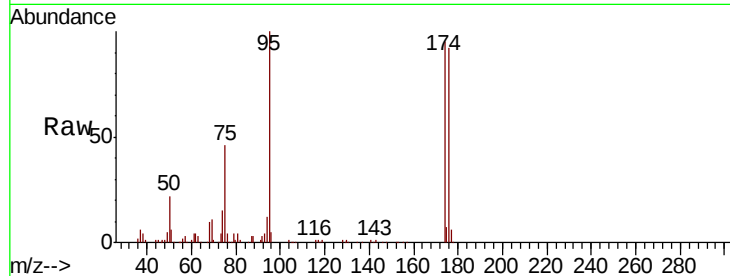




#62
4-Bromofluorobenzene
Concen: 37.514 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063135.D
Acq: 17 Jul 2019 16:58

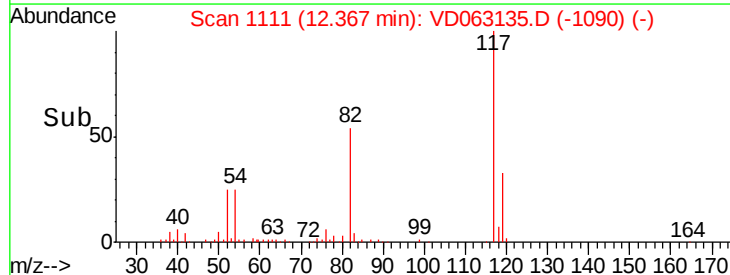
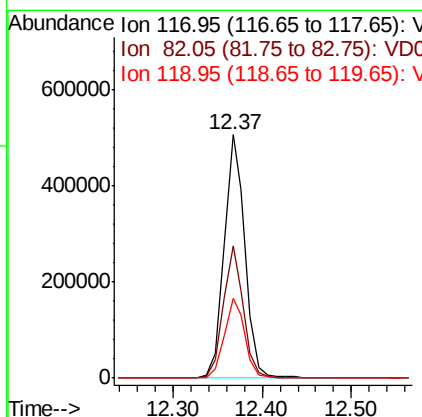
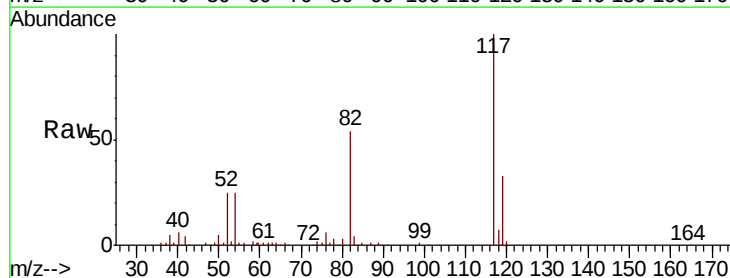
Instrument :
MSVOA_D
ClientSampleId :

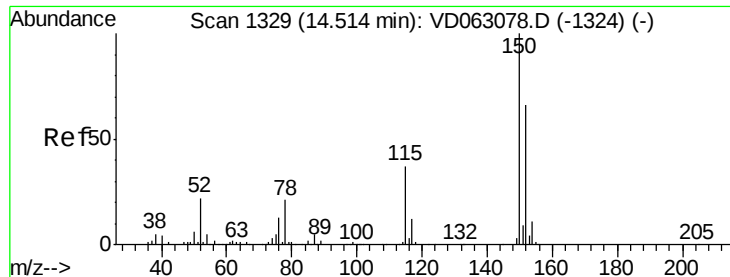
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.3	0.0	180.6
176	92.4	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063135.D
Acq: 17 Jul 2019 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.3	63.5
119	32.9	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: VD063135.D

Acq: 17 Jul 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

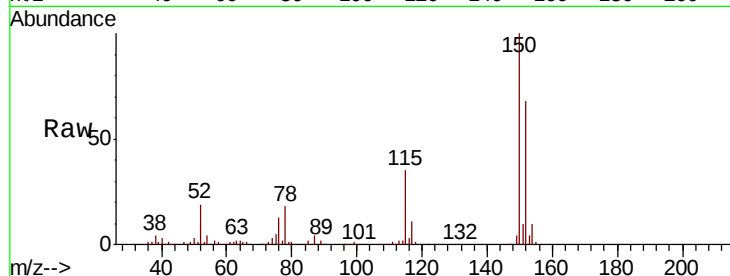
Tot Ion:152 Resp: 399361

Ion Ratio Lower Upper

152 100

115 51.4 28.9 86.8

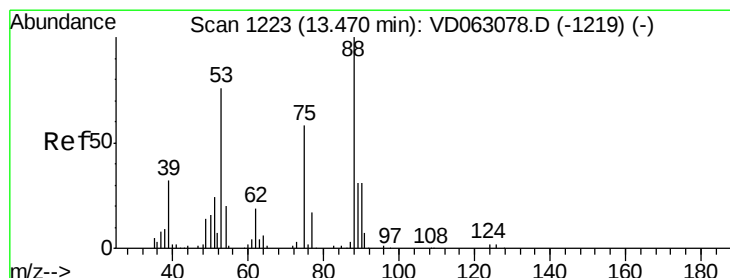
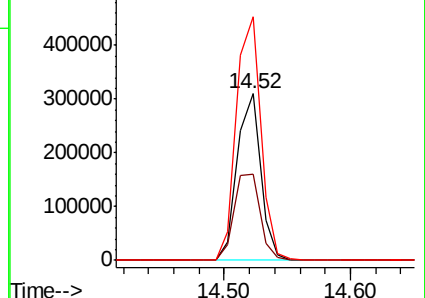
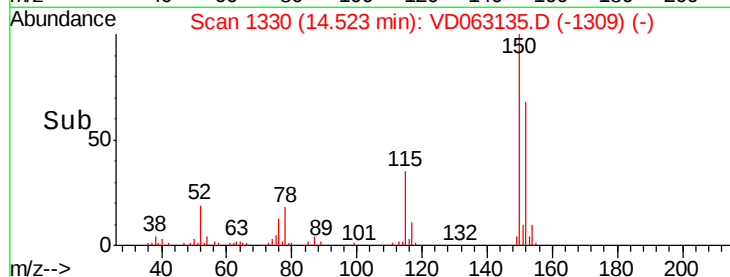
150 146.1 0.0 313.8



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: 115.260 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063135.D

Acq: 17 Jul 2019 16:58

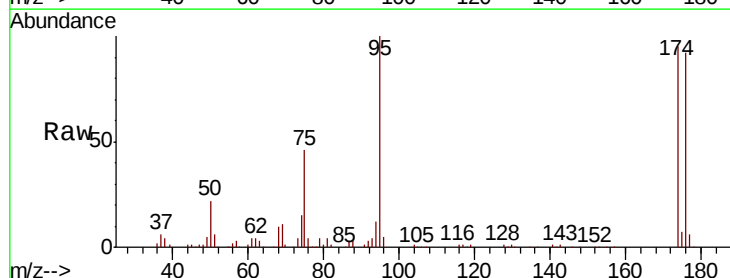
Tgt Ion: 75 Resp: 186463

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

