

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062987.D
 Acq On : 1 Jul 2019 13:53
 Operator : VA/AP
 Sample : K3576-02RE
 Misc : 5.12g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 07:34:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	852651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1204656	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	858721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	292934	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	486899	52.53	ug/l	-0.01
Spiked Amount			Recovery	=	105.06%	
35) Dibromofluoromethane	6.92	113	510671	50.27	ug/l	-0.01
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.40	98	989344	44.75	ug/l	-0.01
Spiked Amount			Recovery	=	89.50%	
62) 4-Bromofluorobenzene	13.55	95	313455	31.18	ug/l	0.00
Spiked Amount			Recovery	=	62.36%	

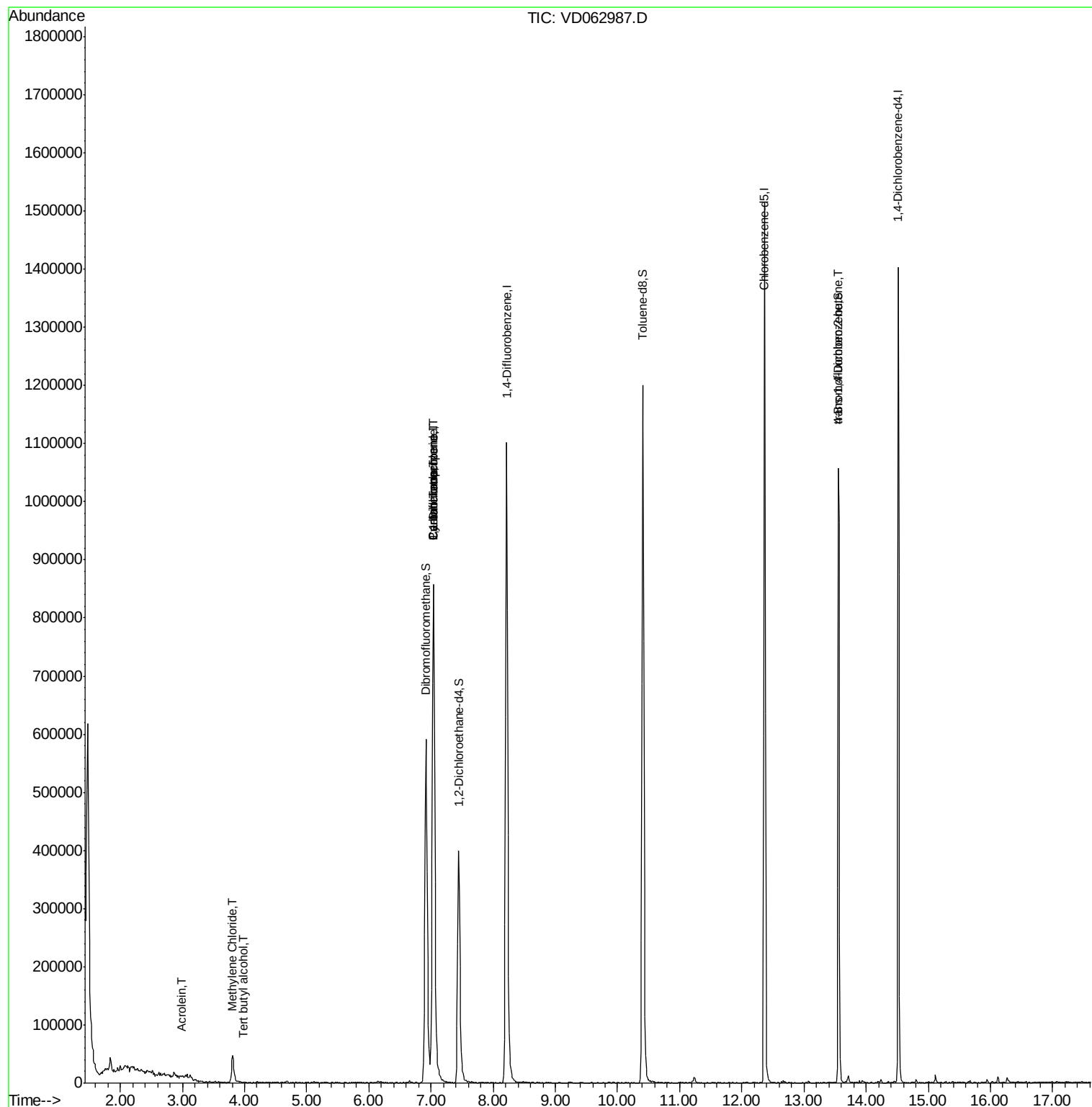
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.97	59	548	1.298	ug/l #	77
13) Acrolein	2.99	56	517	1.200	ug/l #	15
16) Acetone	3.27	43	482	Below Cal	#	64
20) Methylene Chloride	3.81	84	27027	3.824	ug/l	93
31) Cyclohexane	7.04	56	20577	2.364	ug/l #	21
36) 1,1-Dichloropropene	7.04	75	65466	5.741	ug/l #	54
37) Ethyl Acetate	6.20	43	393	Below Cal	#	69
38) Carbon Tetrachloride	7.04	117	83095	4.845	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	145643	164.328	ug/l #	2

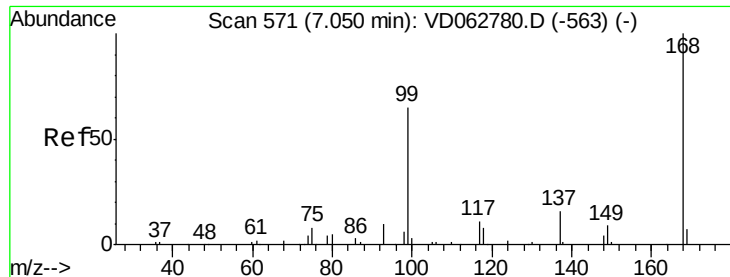
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062987.D
Acq On : 1 Jul 2019 13:53
Operator : VA/AP
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Misc : 5.12g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 02 07:34:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

Instrument :

MSVOA_D

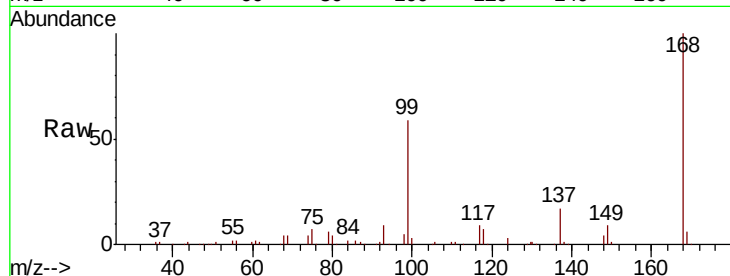
ClientSampleId :

Tot Ion:168 Resp: 852651

Ion Ratio Lower Upper

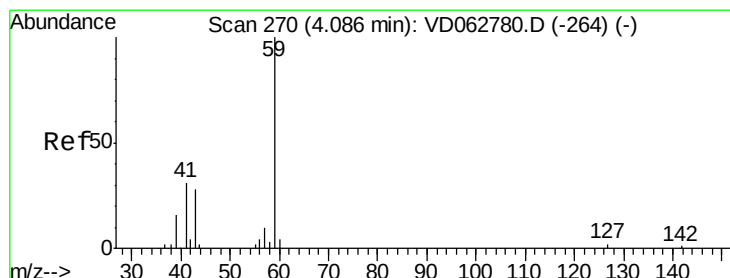
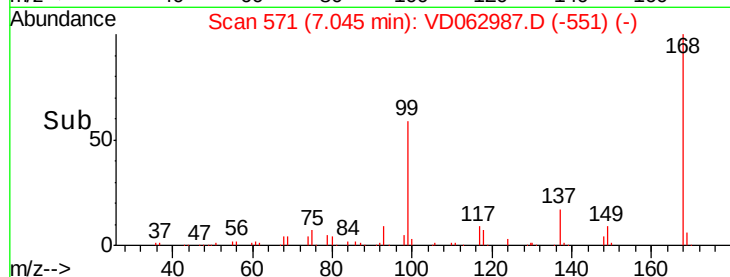
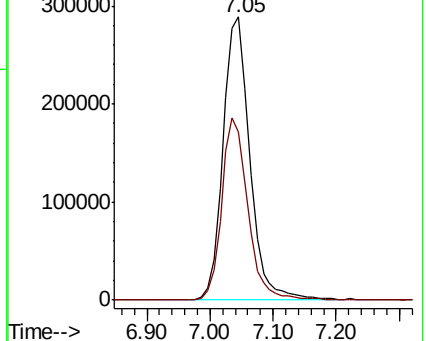
168 100

99 59.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.298 ug/l

RT: 3.97 min Scan# 259

Delta R.T. -0.11 min

Lab File: VD062987.D

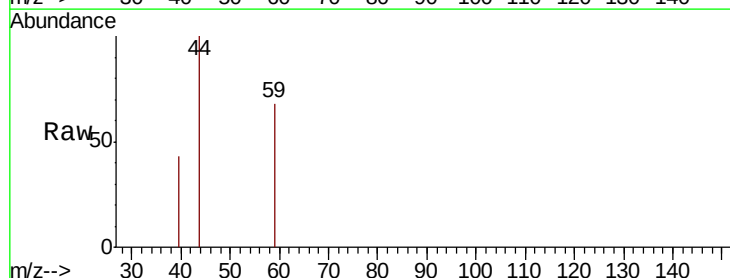
Acq: 1 Jul 2019 13:53

Tgt Ion: 59 Resp: 548

Ion Ratio Lower Upper

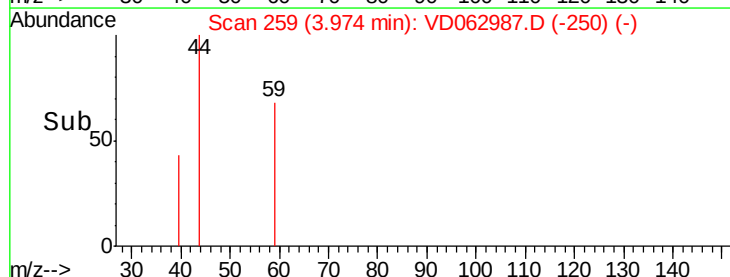
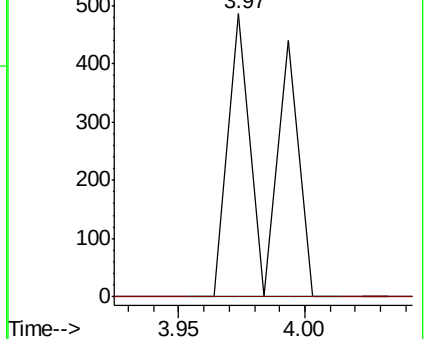
59 100

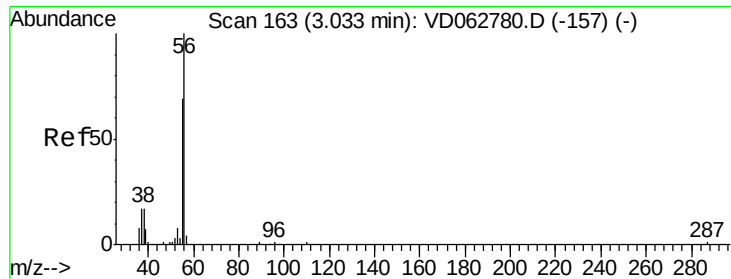
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.200 ug/l

RT: 2.99 min Scan# 159

Delta R.T. -0.04 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

Instrument :

MSVOA_D

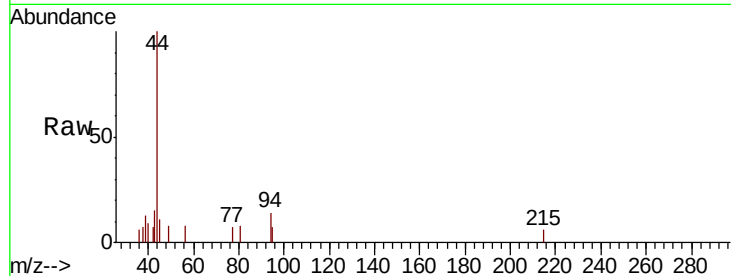
ClientSampled :

Tot Ion: 56 Resp: 517

Ion Ratio Lower Upper

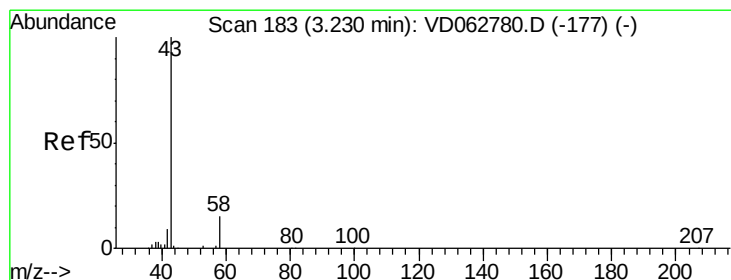
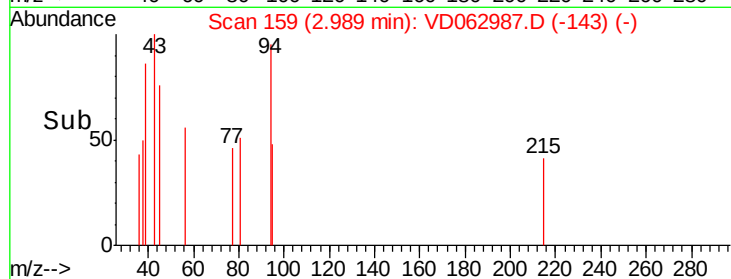
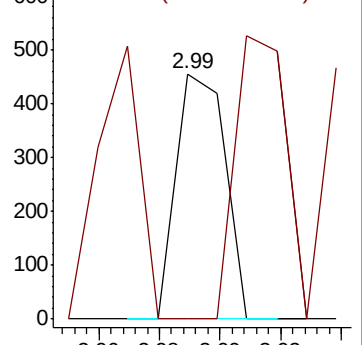
56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: Below Cal

RT: 3.27 min Scan# 188

Delta R.T. 0.04 min

Lab File: VD062987.D

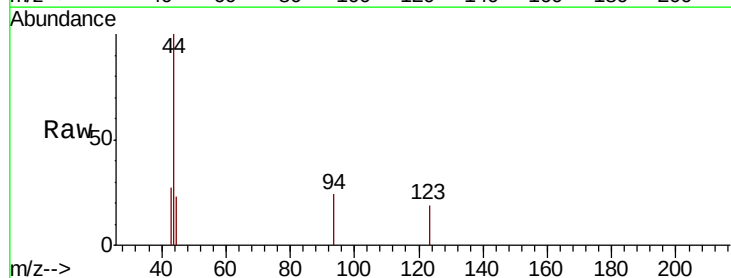
Acq: 1 Jul 2019 13:53

Tgt Ion: 43 Resp: 482

Ion Ratio Lower Upper

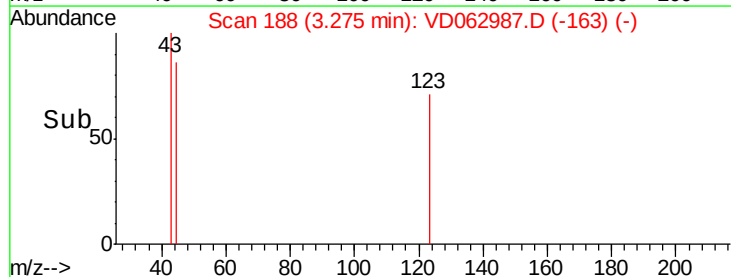
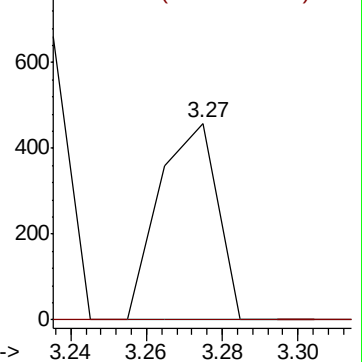
43 100

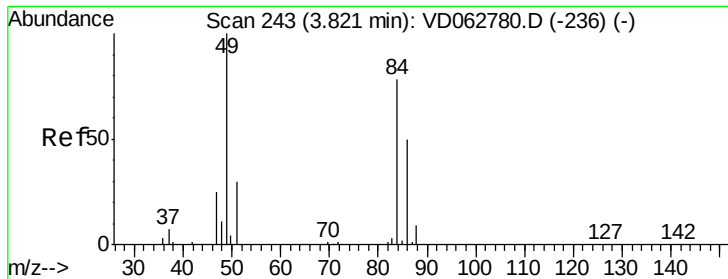
58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 3.824 ug/l

RT: 3.81 min Scan# 242

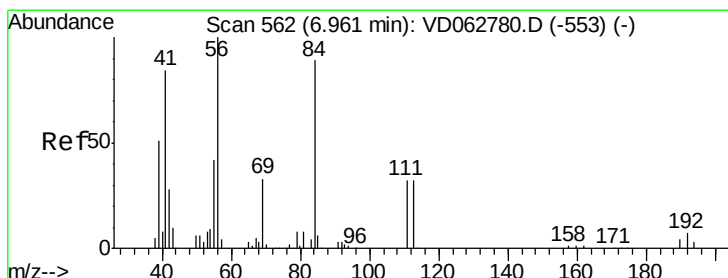
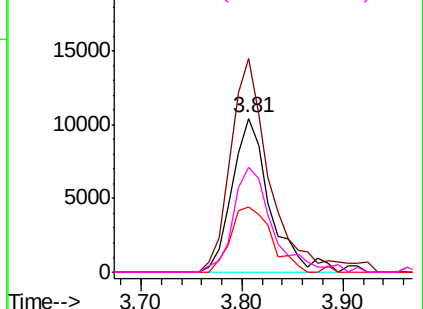
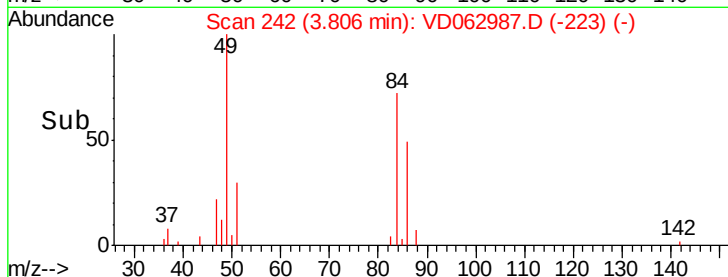
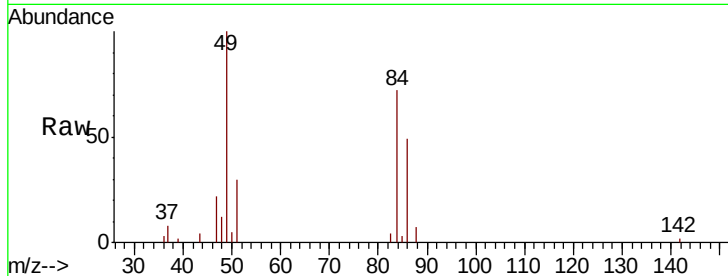
Delta R.T. -0.01 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	84	Resp:	27027
Ion	Ratio	Lower	Upper
84	100		
49	138.7	102.9	154.3
51	42.2	31.2	46.8
86	68.5	51.4	77.2



#31

Cyclohexane

Concen: 2.364 ug/l

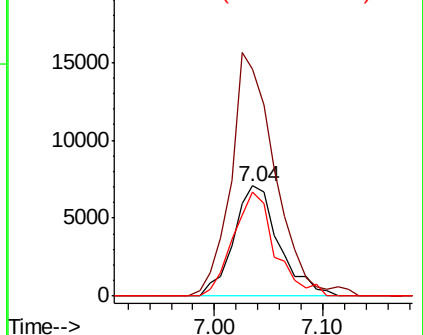
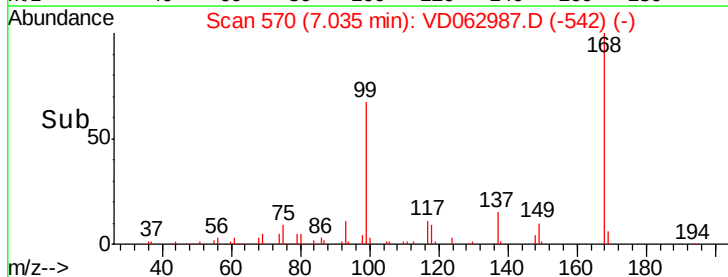
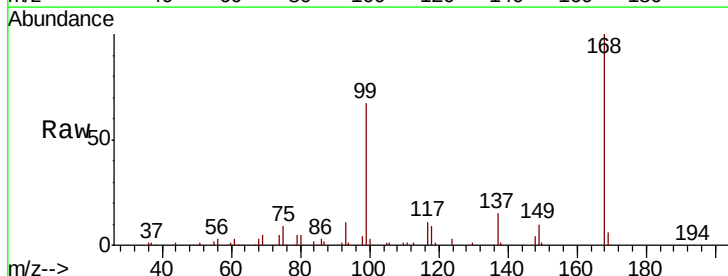
RT: 7.04 min Scan# 570

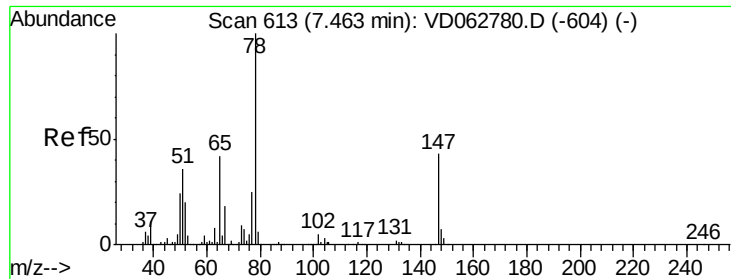
Delta R.T. 0.07 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

Tgt Ion:	56	Resp:	20577
Ion	Ratio	Lower	Upper
56	100		
69	205.6	26.6	39.8#
84	94.5	75.5	113.3

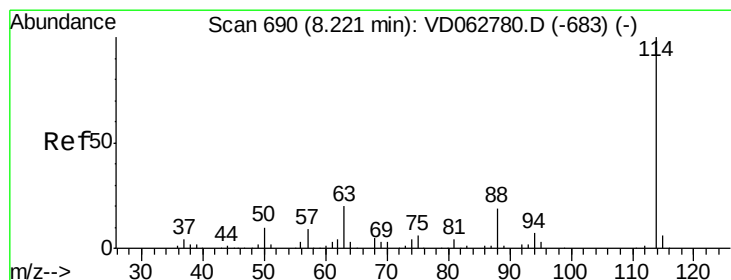
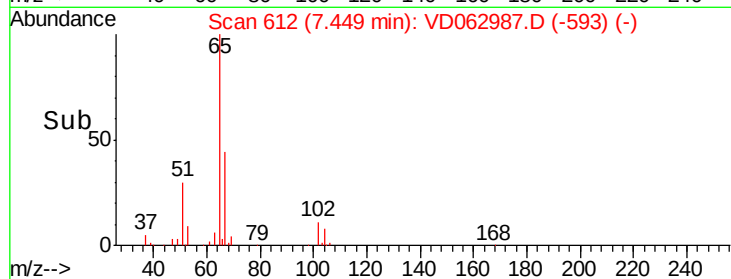
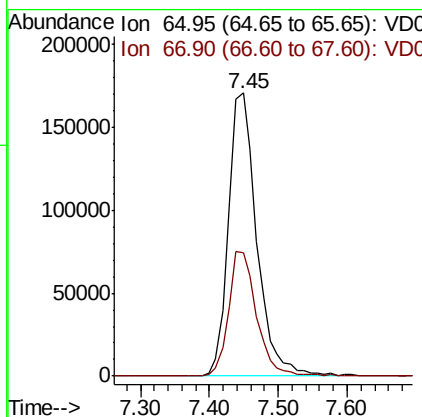
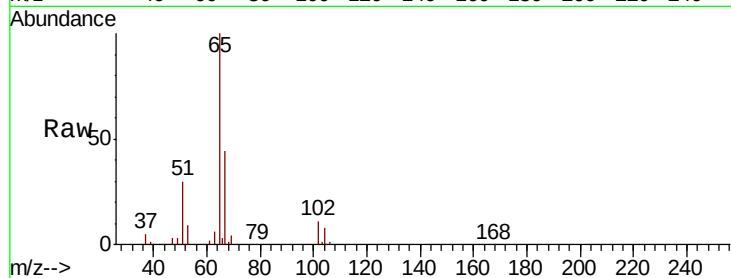




#33
 1,2-Dichloroethane-d4
 Concen: 52.534 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD062987.D
 Acq: 1 Jul 2019 13:53

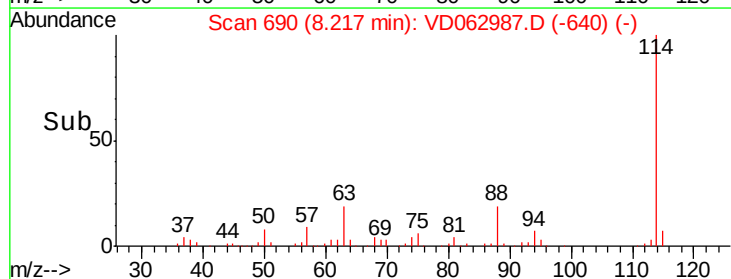
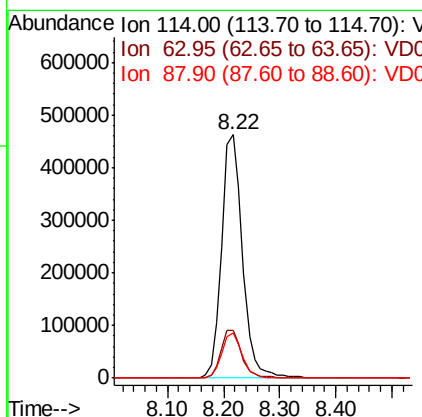
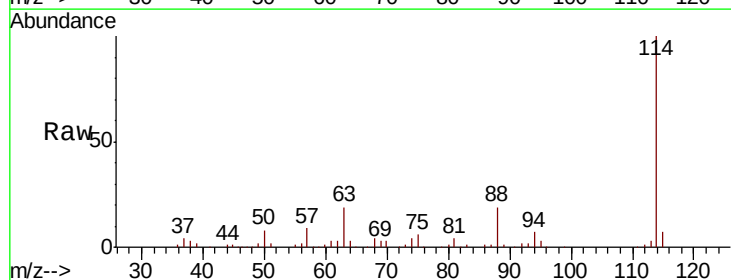
Instrument :
 MSVOA_D
 ClientSampled :

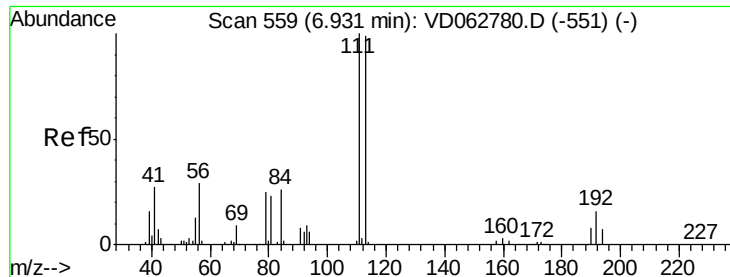
Tot Ion: 65 Resp: 486899
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062987.D
 Acq: 1 Jul 2019 13:53

Tgt Ion: 114 Resp: 1204656
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 18.7 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.275 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

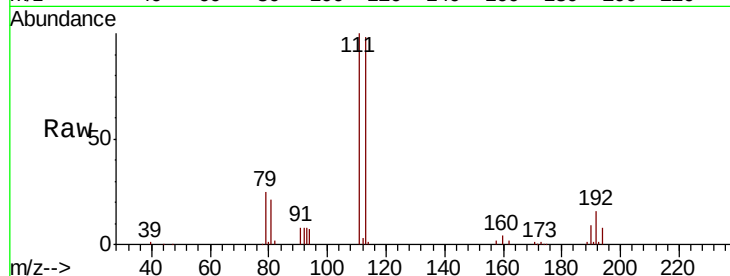
Tot Ion:113 Resp: 510671

Ion Ratio Lower Upper

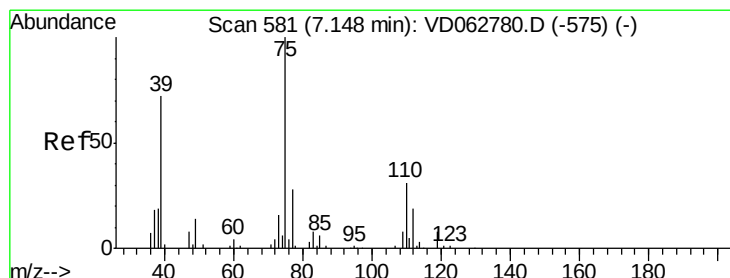
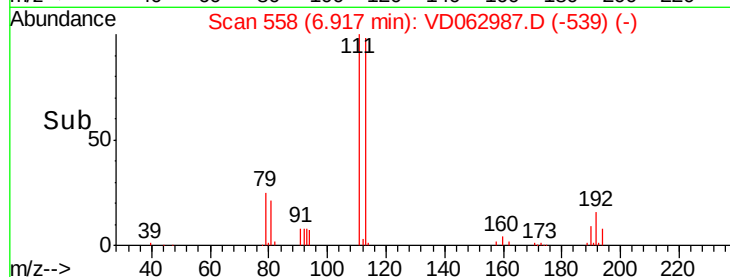
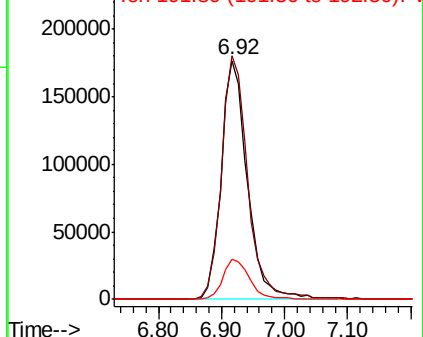
113 100

111 102.0 81.2 121.8

192 16.6 12.9 19.3



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: 5.741 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

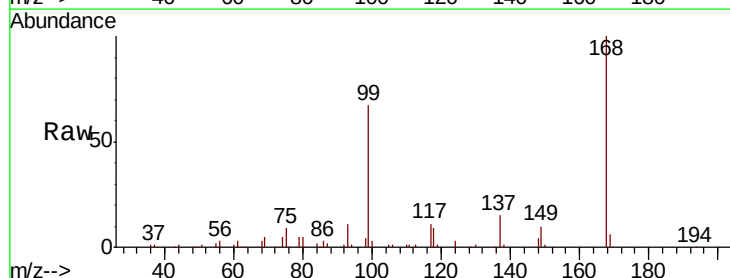
Tgt Ion: 75 Resp: 65466

Ion Ratio Lower Upper

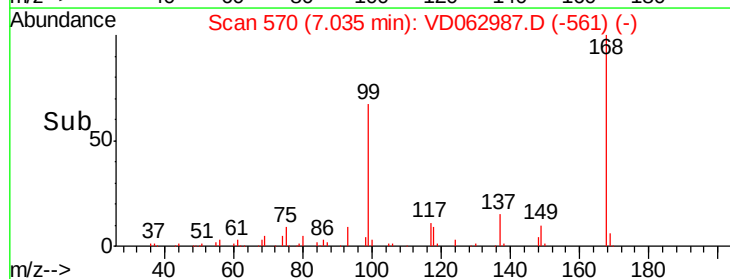
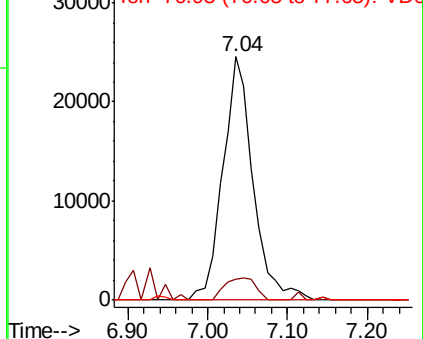
75 100

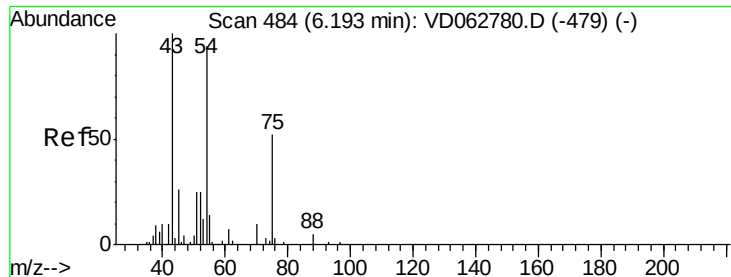
110 8.6 15.0 45.1#

77 0.0 22.2 33.2#



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





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.20 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

Instrument :

MSVOA_D

ClientSampled :

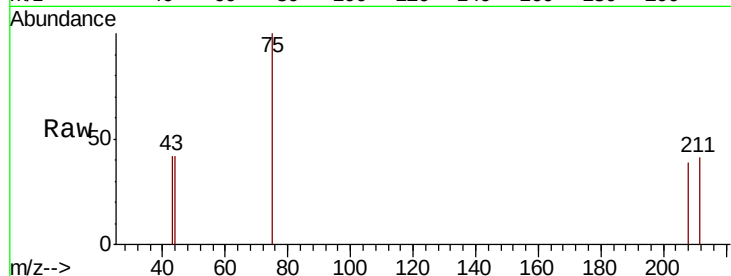
Tot Ion: 43 Resp: 393

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

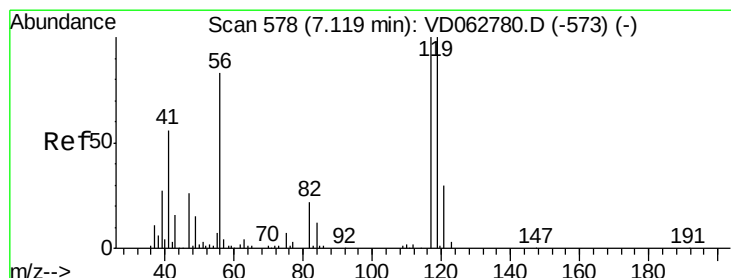
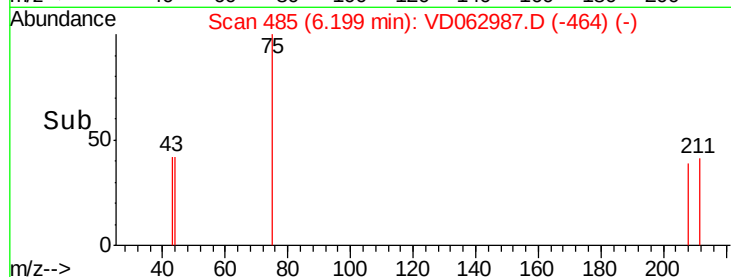
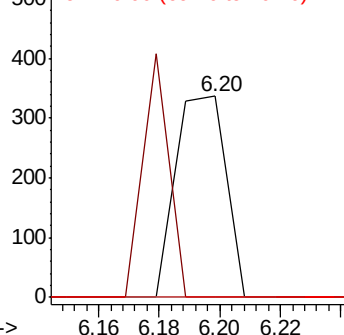
70 0.0 6.4 9.6#



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: 4.845 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

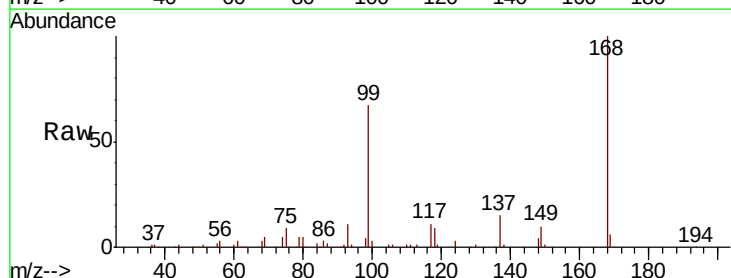
Tgt Ion: 117 Resp: 83095

Ion Ratio Lower Upper

117 100

119 5.6 75.4 113.2#

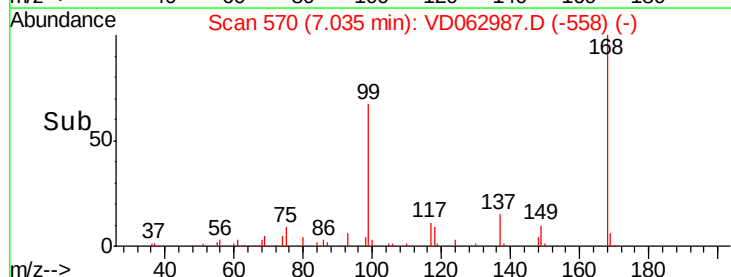
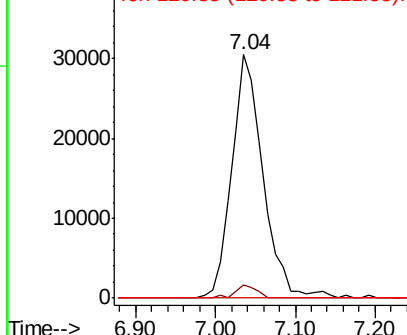
121 0.0 22.3 33.5#

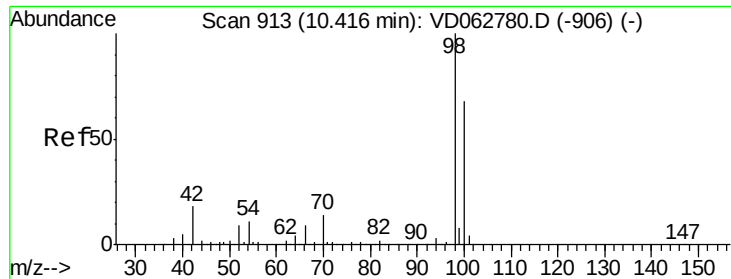


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

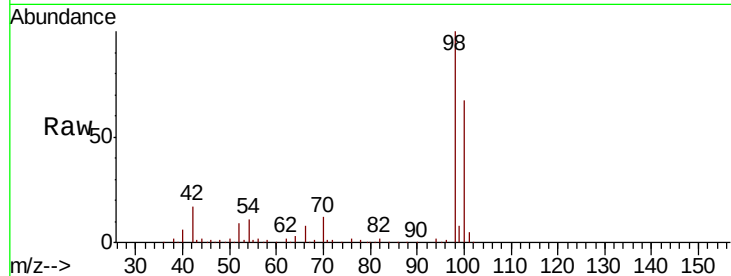




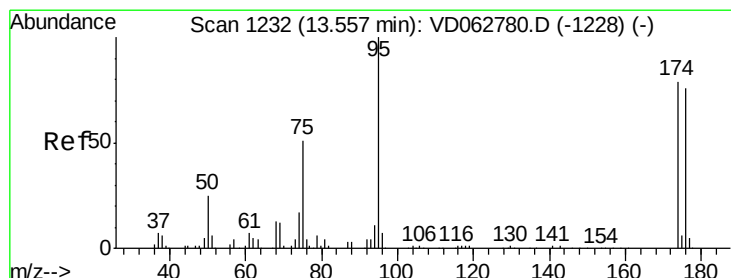
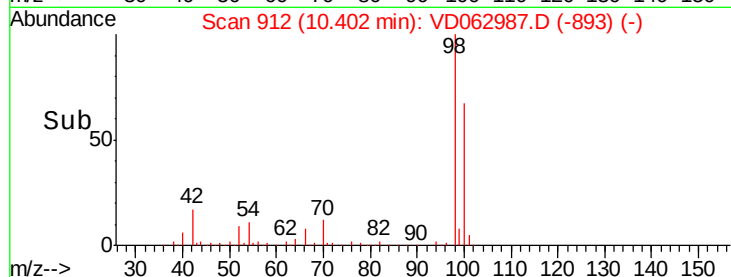
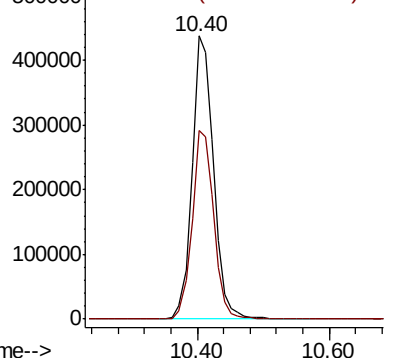
#50
Toluene-d8
Concen: 44.751 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062987.D
Acq: 1 Jul 2019 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 989344
Ion Ratio Lower Upper
98 100
100 66.6 54.7 82.1

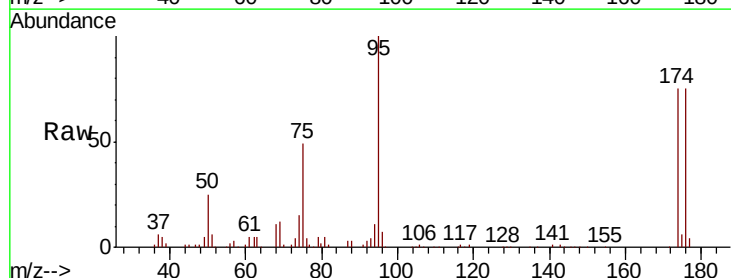


Abundance Ion 98.05 (97.75 to 98.75): VD062780.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD062780.D (-906) (-)

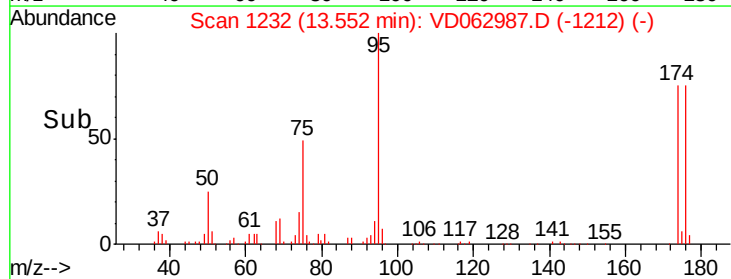
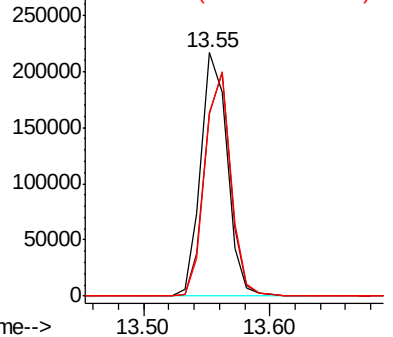


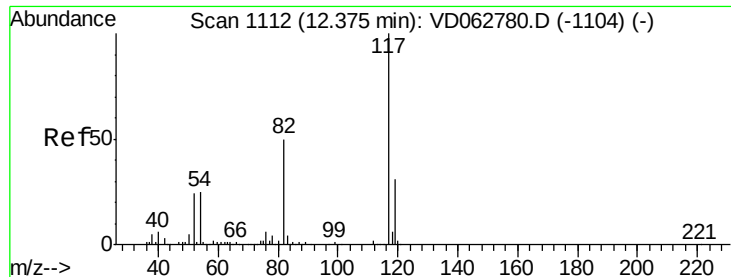
#62
4-Bromofluorobenzene
Concen: 31.182 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062987.D
Acq: 1 Jul 2019 13:53

Tgt Ion: 95 Resp: 313455
Ion Ratio Lower Upper
95 100
174 75.5 0.0 158.0
176 74.7 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VD062780.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD062780.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD062780.D (-1228) (-)

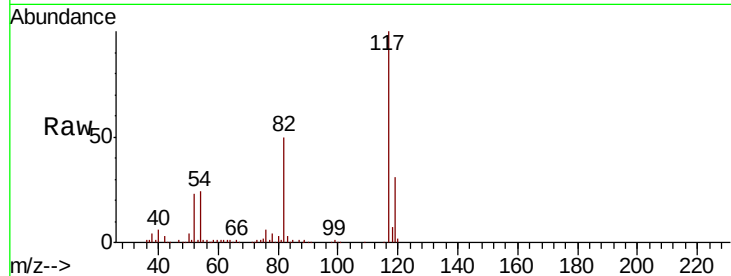




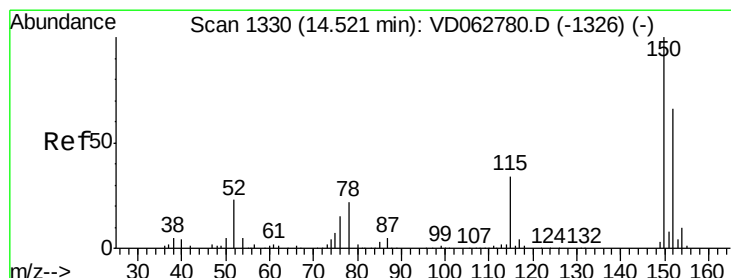
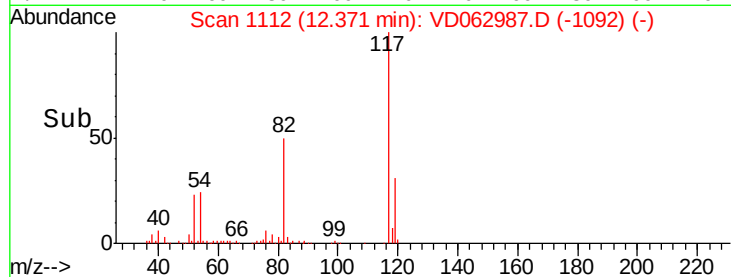
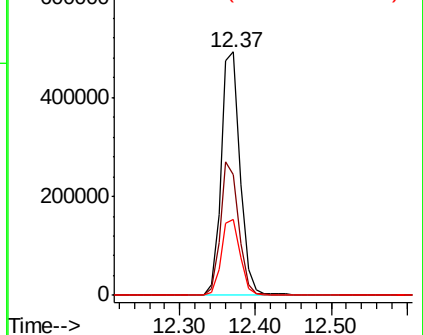
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062987.D
Acq: 1 Jul 2019 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 858721
Ion Ratio Lower Upper
117 100
82 49.8 40.4 60.6
119 31.1 25.2 37.8

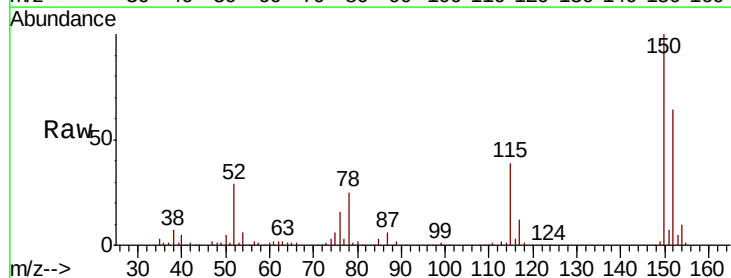


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

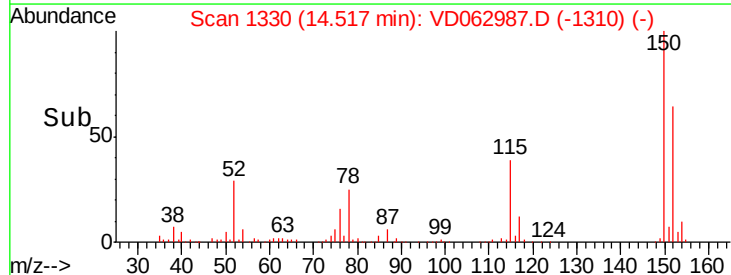
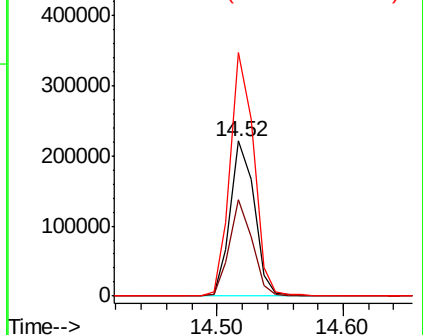


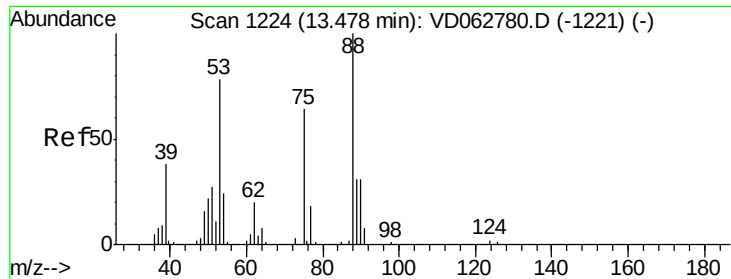
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062987.D
Acq: 1 Jul 2019 13:53

Tgt Ion:152 Resp: 292934
Ion Ratio Lower Upper
152 100
115 62.0 29.2 87.6
150 157.0 0.0 305.8



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: 164.328 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062987.D

Acq: 1 Jul 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

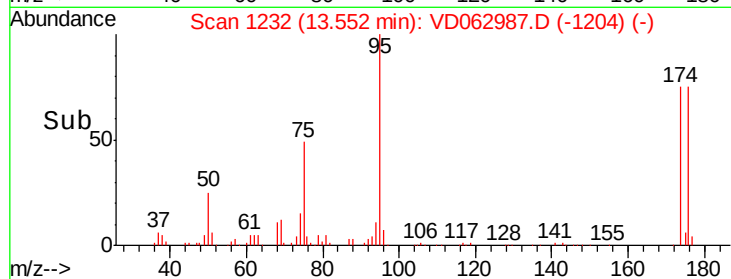
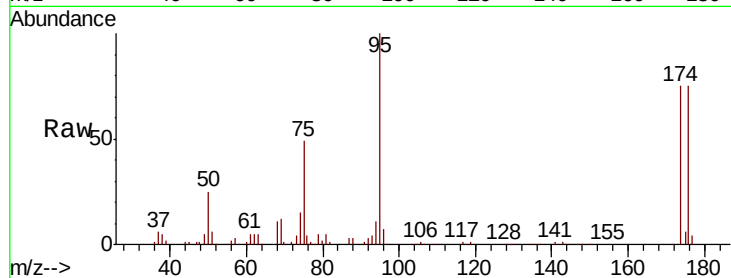
Tot Ion: 75 Resp: 145643

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

