

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062942.D
 Acq On : 27 Jun 2019 20:06
 Operator : VA/AP
 Sample : K3552-08
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:22:54 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	7.02	168	689340	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	996947	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	751090	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	401856	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	379452	50.64	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	101.28%	
35) Dibromofluoromethane	6.90	113	387718	46.12	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	92.24%	
50) Toluene-d8	10.38	98	721576	39.44	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	78.88%	
62) 4-Bromofluorobenzene	13.54	95	346243	41.62	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	83.24%	

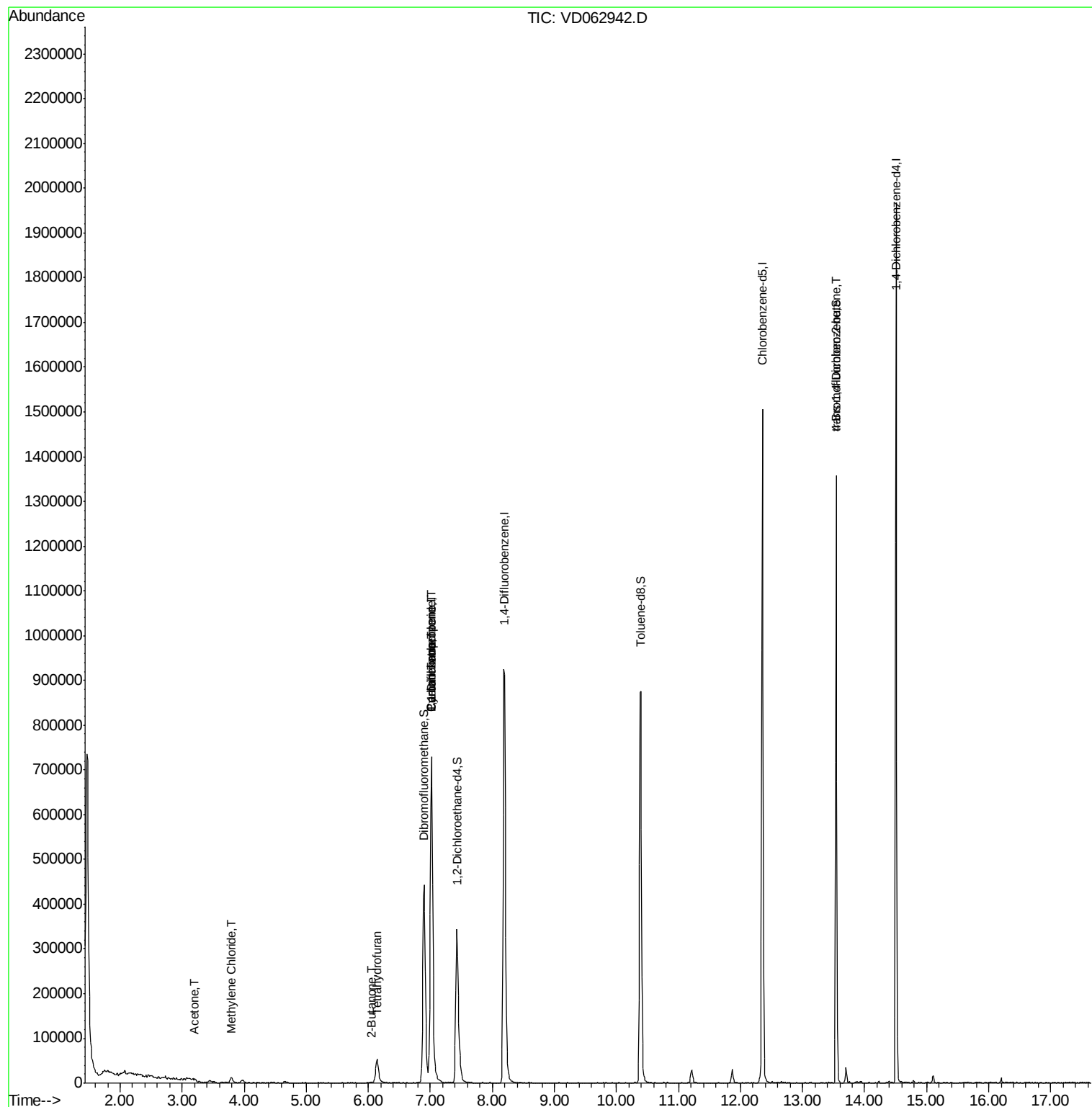
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	14978	2.944	ug/l	97
20) Methylene Chloride	3.80	84	7768	1.359	ug/l #	87
25) 2-Butanone	6.04	43	2717	1.939	ug/l #	64
29) Tetrahydrofuran	6.14	42	781	1.178	ug/l #	33
31) Cyclohexane	7.02	56	15637	2.222	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	55071	5.835	ug/l #	52
38) Carbon Tetrachloride	7.02	117	70122	4.940	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.54	75	164008	134.892	ug/l #	2

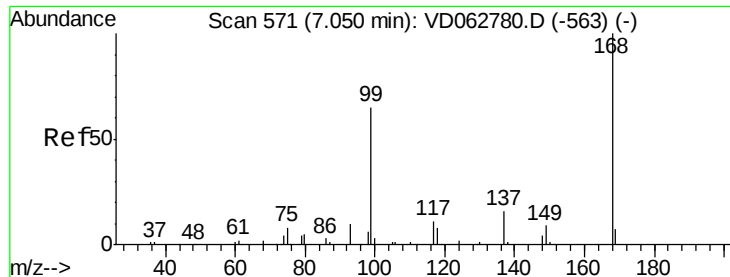
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062942.D

Acq: 27 Jun 2019 20:06

Instrument :

MSVOA_D

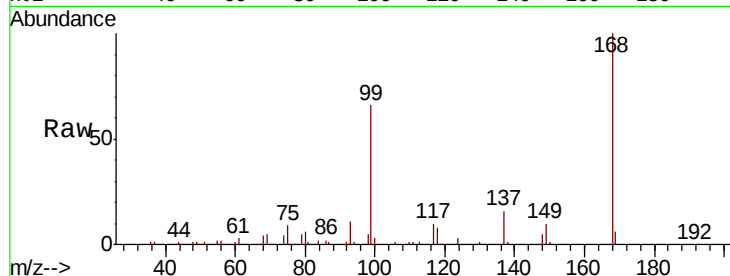
ClientSampled :

Tot Ion:168 Resp: 689340

Ion Ratio Lower Upper

168 100

99 66.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

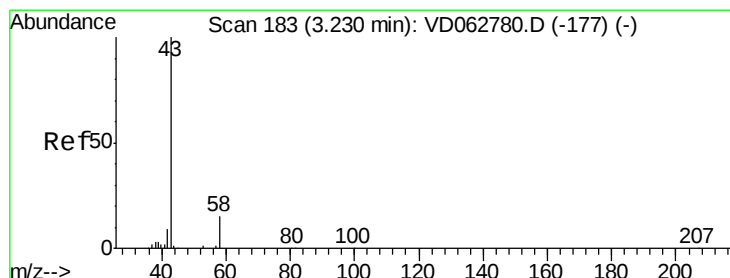
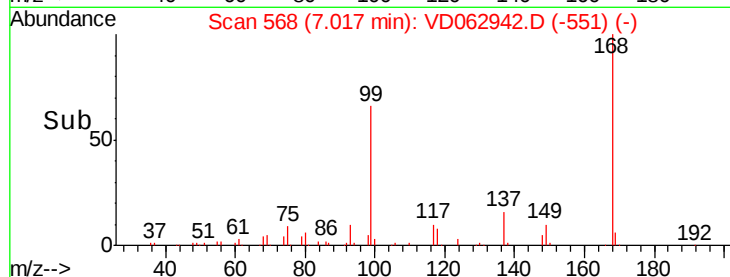
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#16

Acetone

Concen: 2.944 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062942.D

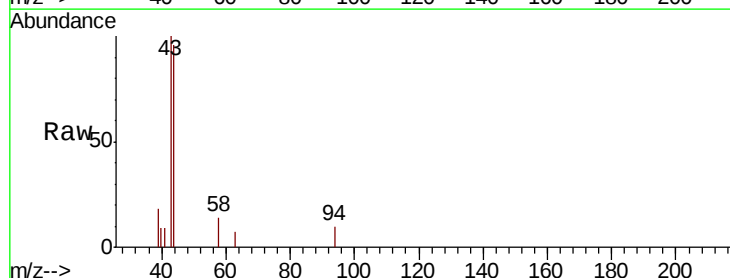
Acq: 27 Jun 2019 20:06

Tgt Ion: 43 Resp: 14978

Ion Ratio Lower Upper

43 100

58 13.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

4000

3000

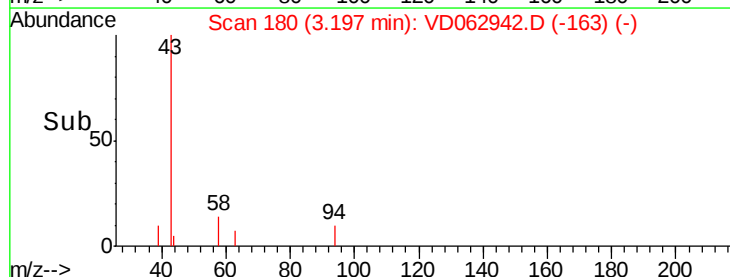
2000

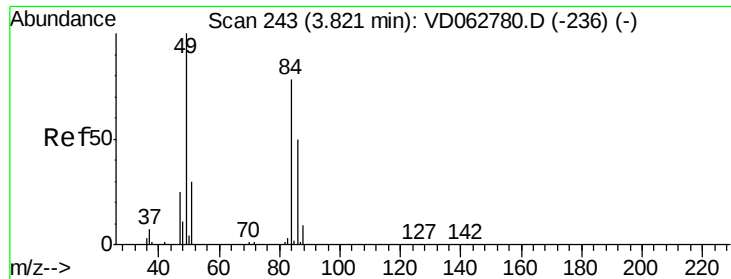
1000

0

3.10 3.20 3.30

Time-->

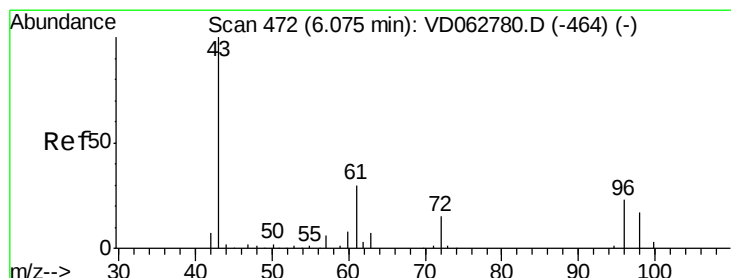
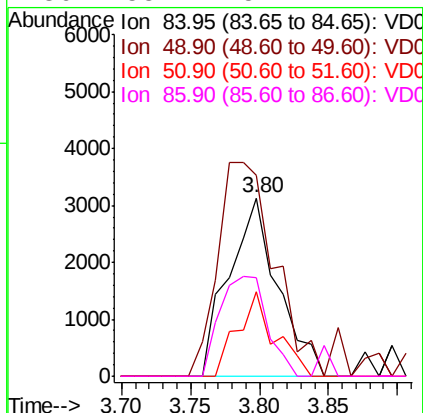
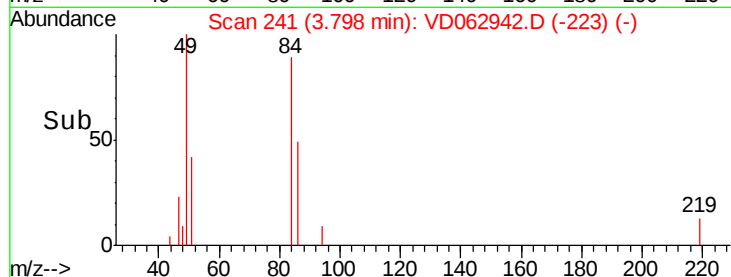
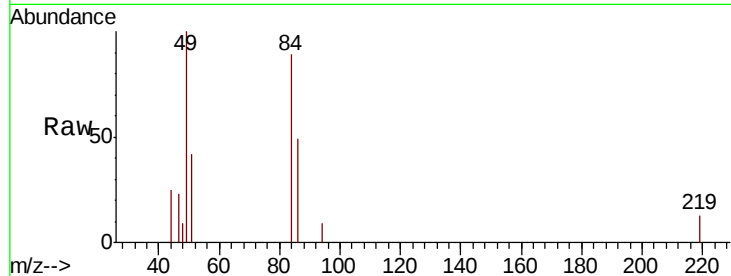




#20
Methvlene Chloride
Concen: 1.359 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062942.D
Acq: 27 Jun 2019 20:06

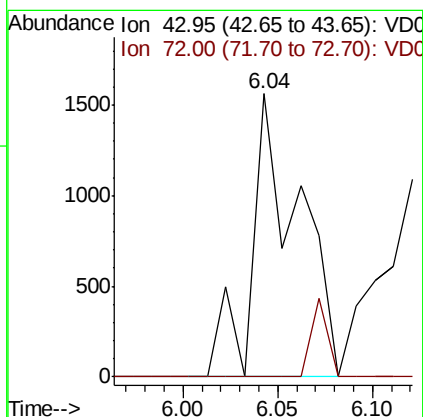
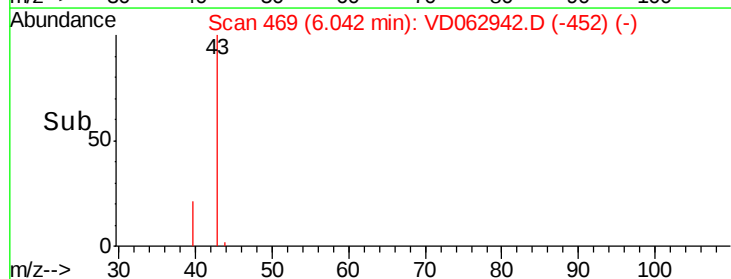
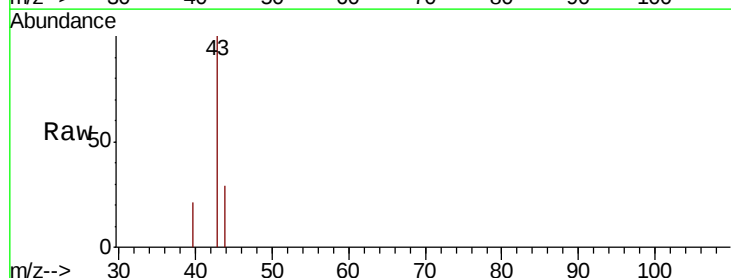
Instrument :
MSVOA_D
ClientSampleId :

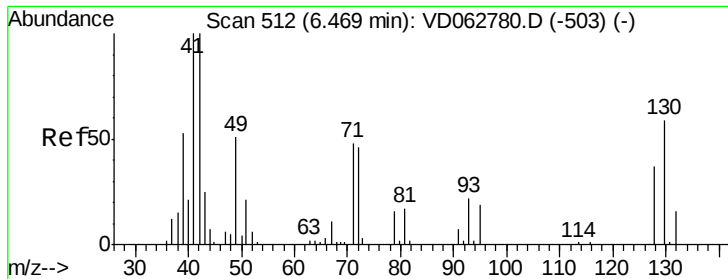
Tot Ion: 84 Resp: 7768
Ion Ratio Lower Upper
84 100
49 112.7 102.9 154.3
51 47.1 31.2 46.8#
86 55.4 51.4 77.2



#25
2-Butanone
Concen: 1.939 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.03 min
Lab File: VD062942.D
Acq: 27 Jun 2019 20:06

Tgt Ion: 43 Resp: 2717
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#

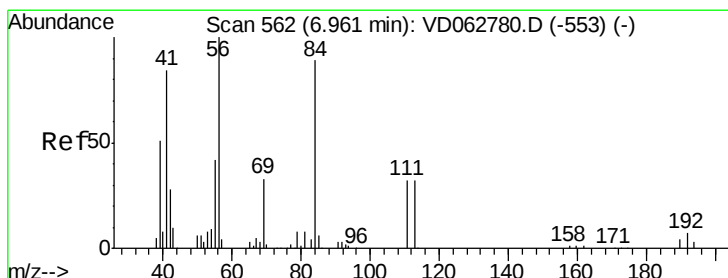
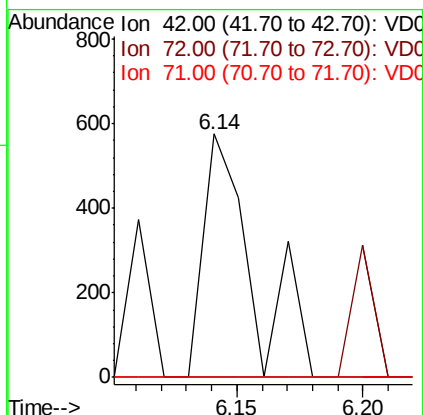
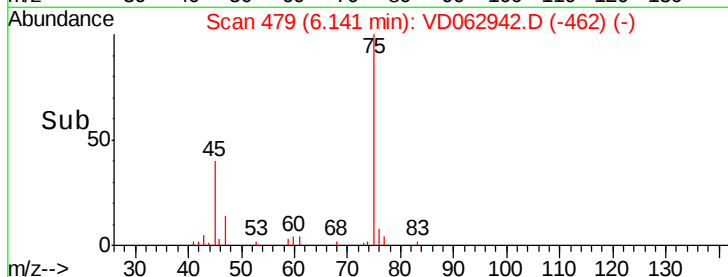
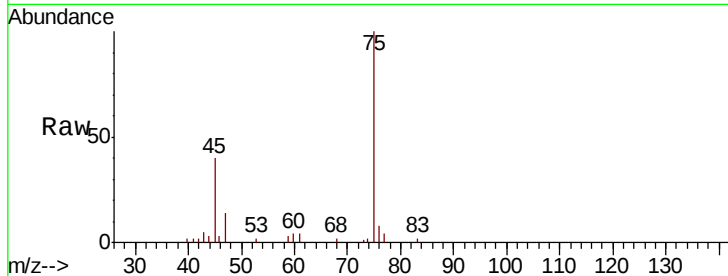




#29
Tetrahydrofuran
Concen: 1.178 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.33 min
Lab File: VD062942.D
Acq: 27 Jun 2019 20:06

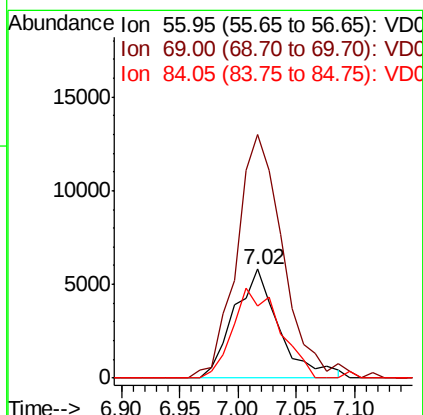
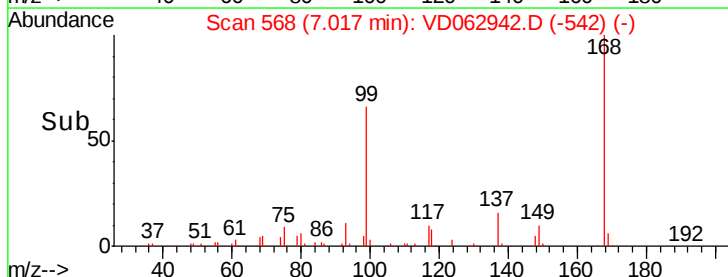
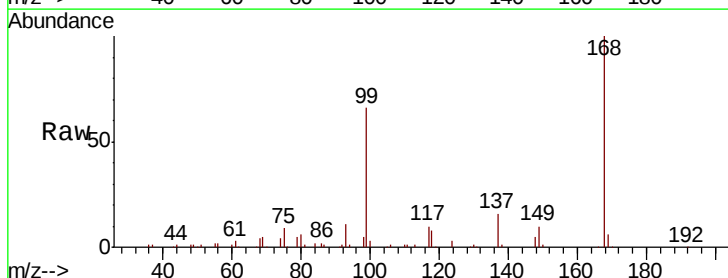
Instrument :
MSVOA_D
ClientSampleId :

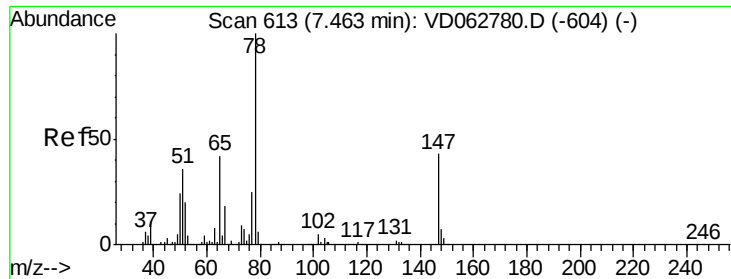
Tot Ion: 42 Resp: 781
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.6#
71 0.0 33.3 49.9#



#31
Cyclohexane
Concen: 2.222 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.06 min
Lab File: VD062942.D
Acq: 27 Jun 2019 20:06

Tgt Ion: 56 Resp: 15637
Ion Ratio Lower Upper
56 100
69 223.6 26.6 39.8#
84 66.1 75.5 113.3#





#33

1,2-Dichloroethane-d4

Concen: 50.641 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062942.D

Acq: 27 Jun 2019 20:06

Instrument :

MSVOA_D

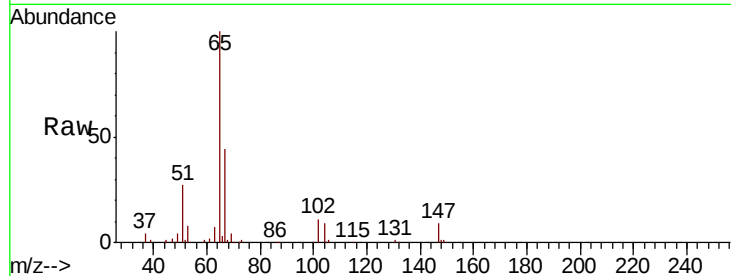
ClientSampleId :

Tot Ion: 65 Resp: 379452

Ion Ratio Lower Upper

65 100

67 44.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

150000

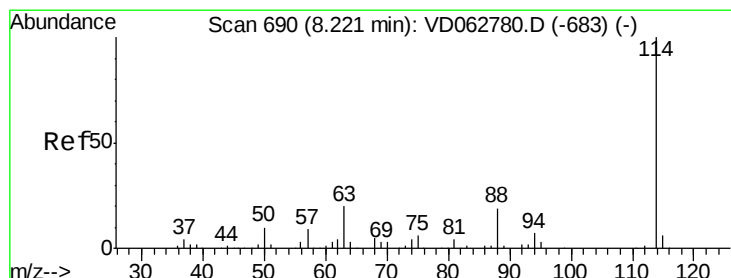
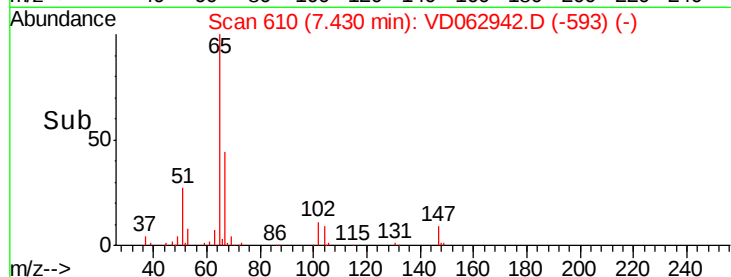
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062942.D

Acq: 27 Jun 2019 20:06

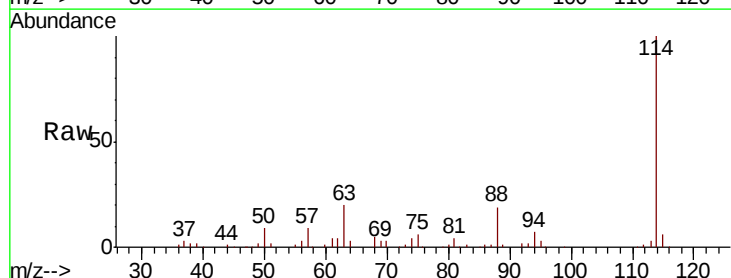
Tgt Ion: 114 Resp: 996947

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 18.6 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

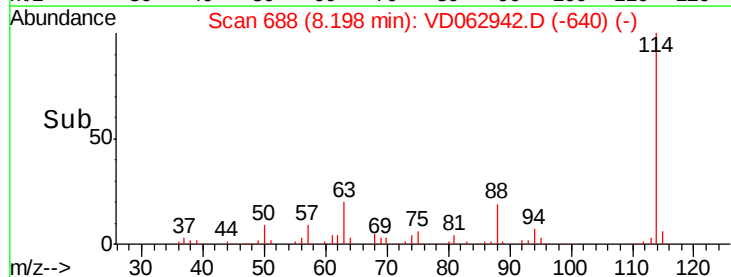
200000

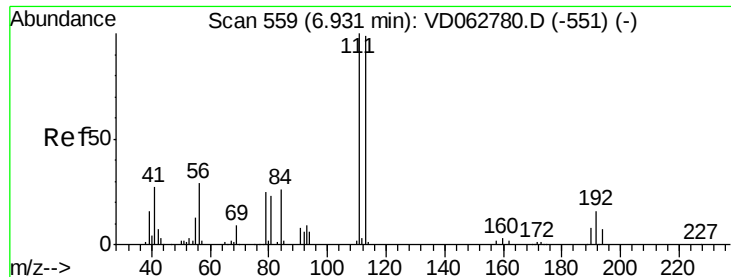
100000

0

Time-->

8.00 8.20 8.40

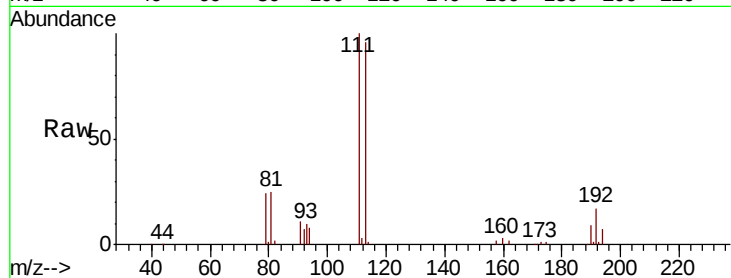




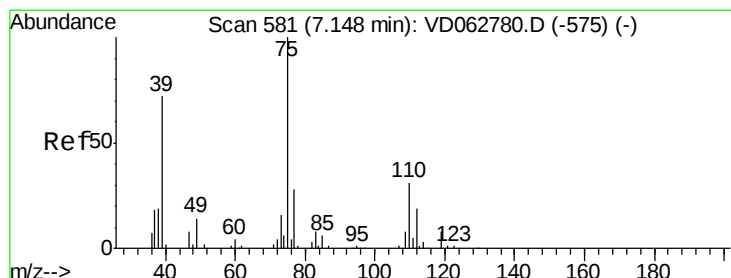
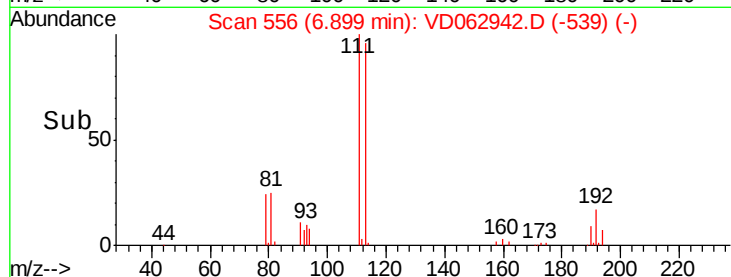
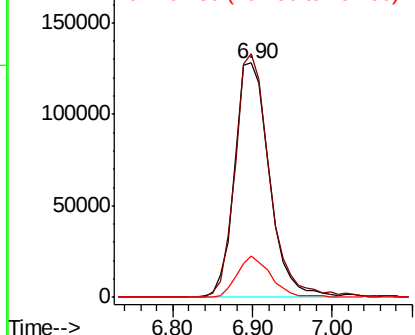
#35
 Dibromofluoromethane
 Concen: 46.123 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062942.D
 Acq: 27 Jun 2019 20:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.2	121.8
192	17.4	12.9	19.3

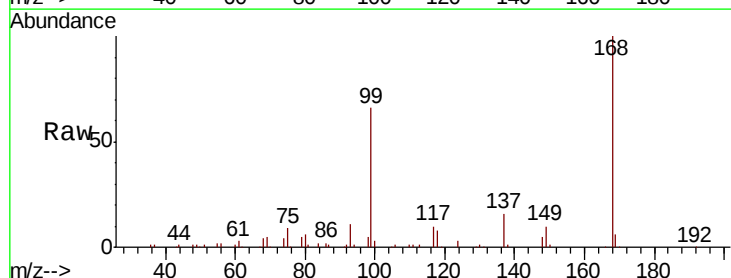


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

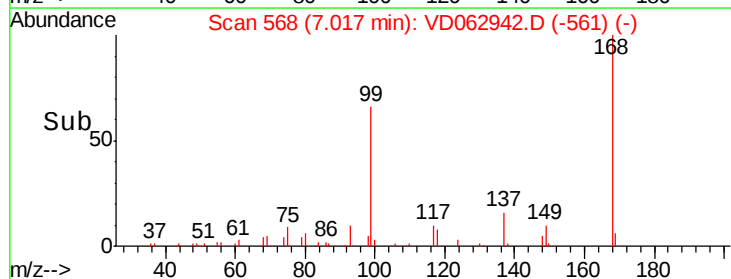
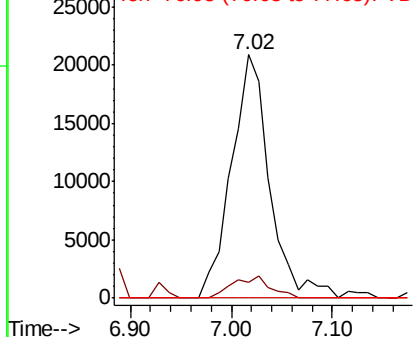


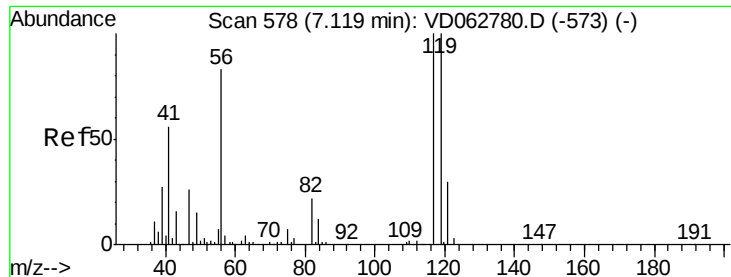
#36
 1,1-Dichloropropene
 Concen: 5.835 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.13 min
 Lab File: VD062942.D
 Acq: 27 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.5	15.0	45.1#
77	0.0	22.2	33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.940 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062942.D

Acq: 27 Jun 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

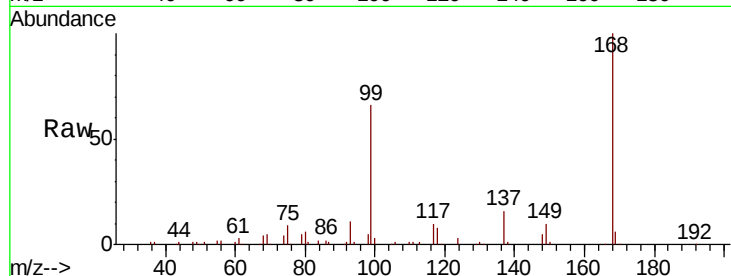
Tot Ion:117 Resp: 70122

Ion Ratio Lower Upper

117 100

119 4.3 75.4 113.2#

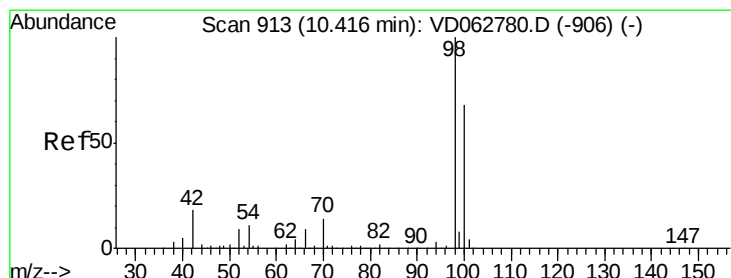
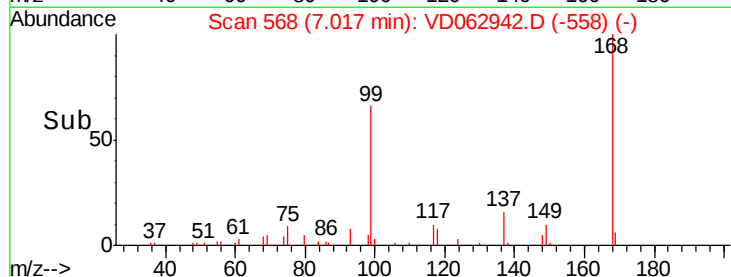
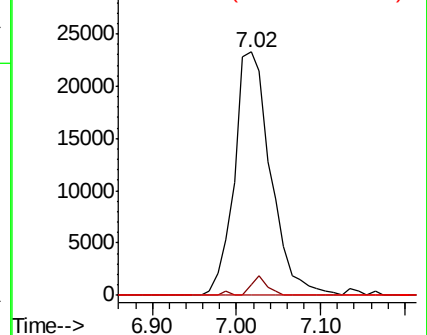
121 0.0 22.3 33.5#



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: 39.439 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062942.D

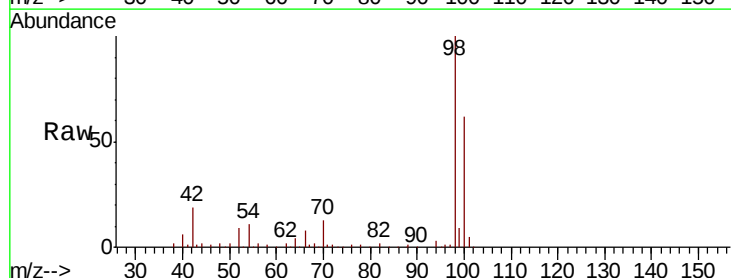
Acq: 27 Jun 2019 20:06

Tgt Ion: 98 Resp: 721576

Ion Ratio Lower Upper

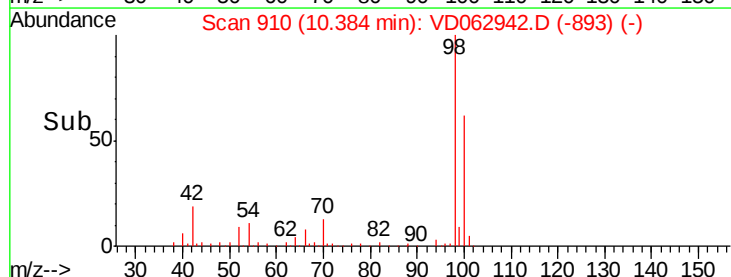
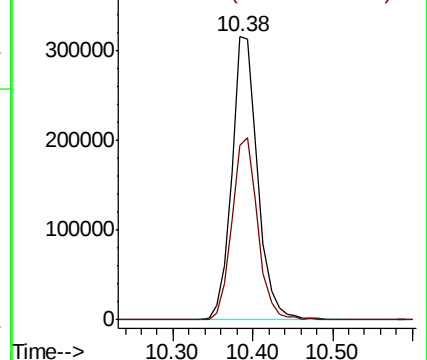
98 100

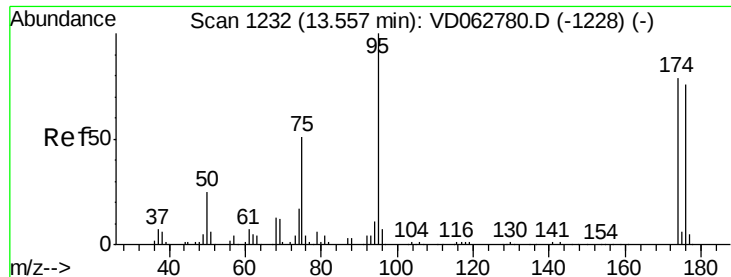
100 61.6 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 41.620 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062942.D

Acq: 27 Jun 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

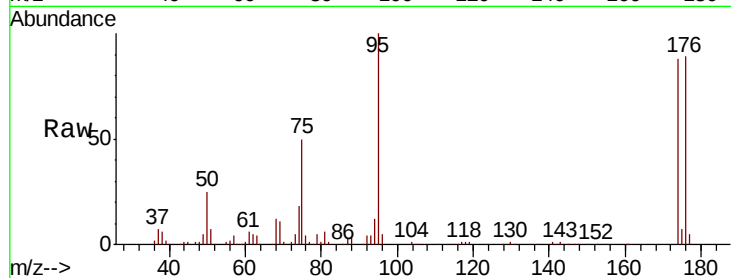
Tot Ion: 95 Resp: 346243

Ion Ratio Lower Upper

95 100

174 87.9 0.0 158.0

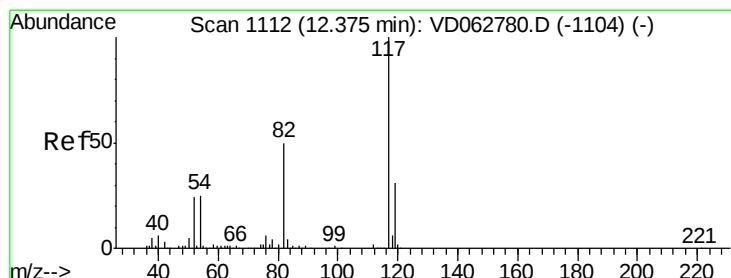
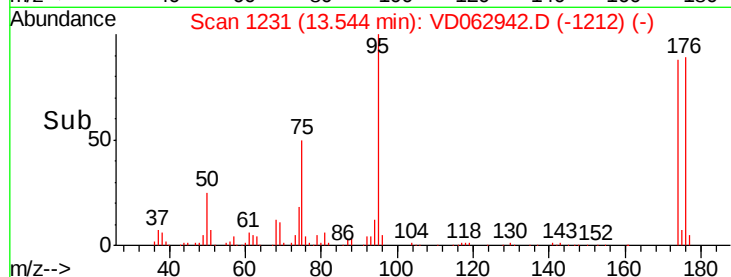
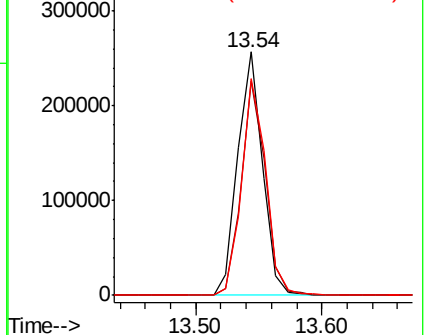
176 89.1 0.0 151.6



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062942.D

Acq: 27 Jun 2019 20:06

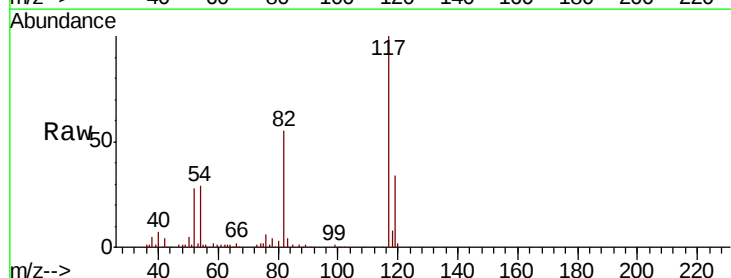
Tgt Ion: 117 Resp: 751090

Ion Ratio Lower Upper

117 100

82 54.8 40.4 60.6

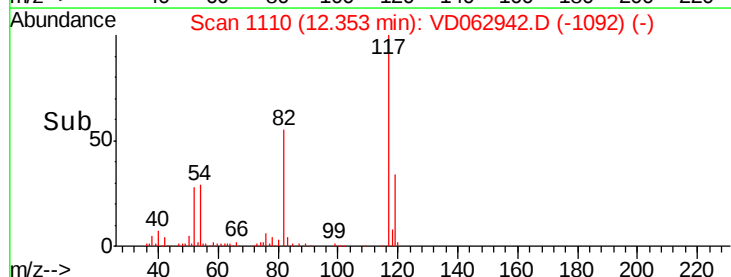
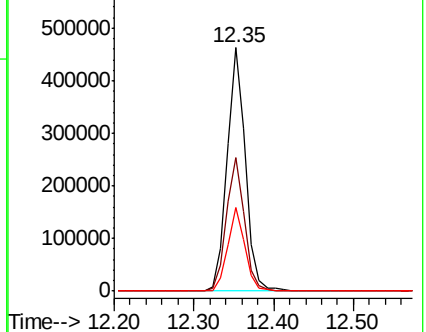
119 34.3 25.2 37.8

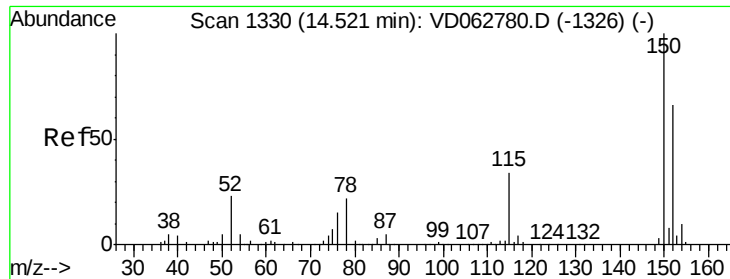


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



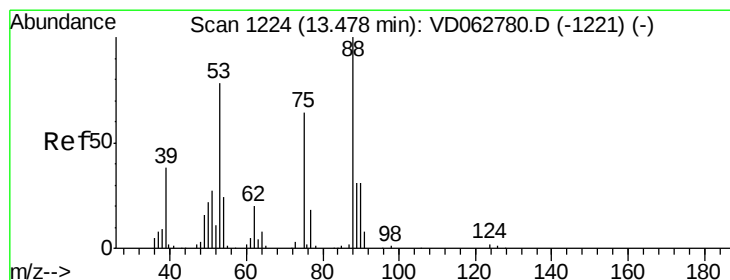
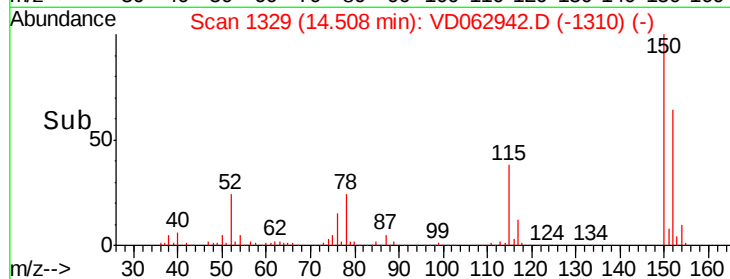
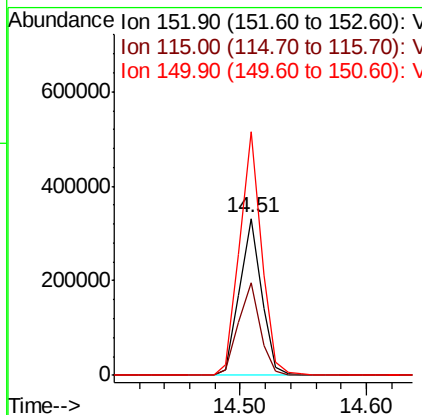
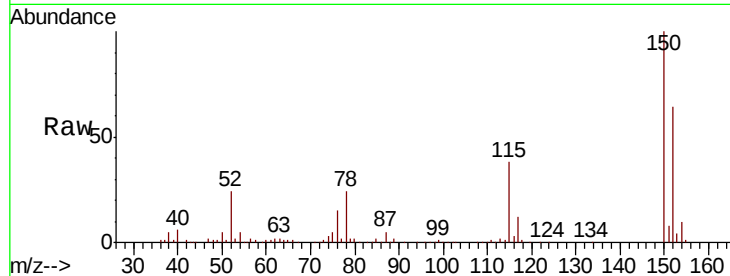


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062942.D
Acq: 27 Jun 2019 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.2	87.6
150	155.2	0.0	305.8



#81

trans-1,4-Dichloro-2-butene
Concen: 134.892 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062942.D
Acq: 27 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#

