

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062941.D
 Acq On : 27 Jun 2019 19:39
 Operator : VA/AP
 Sample : K3552-06
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:22:42 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	622114	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	846230	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	379849	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	253515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	356117	52.66	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	105.32%	
35) Dibromofluoromethane	6.90	113	409266	57.36	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	114.72%	
50) Toluene-d8	10.39	98	418437	26.94	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	53.88%	
62) 4-Bromofluorobenzene	13.55	95	292770	41.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.92%	

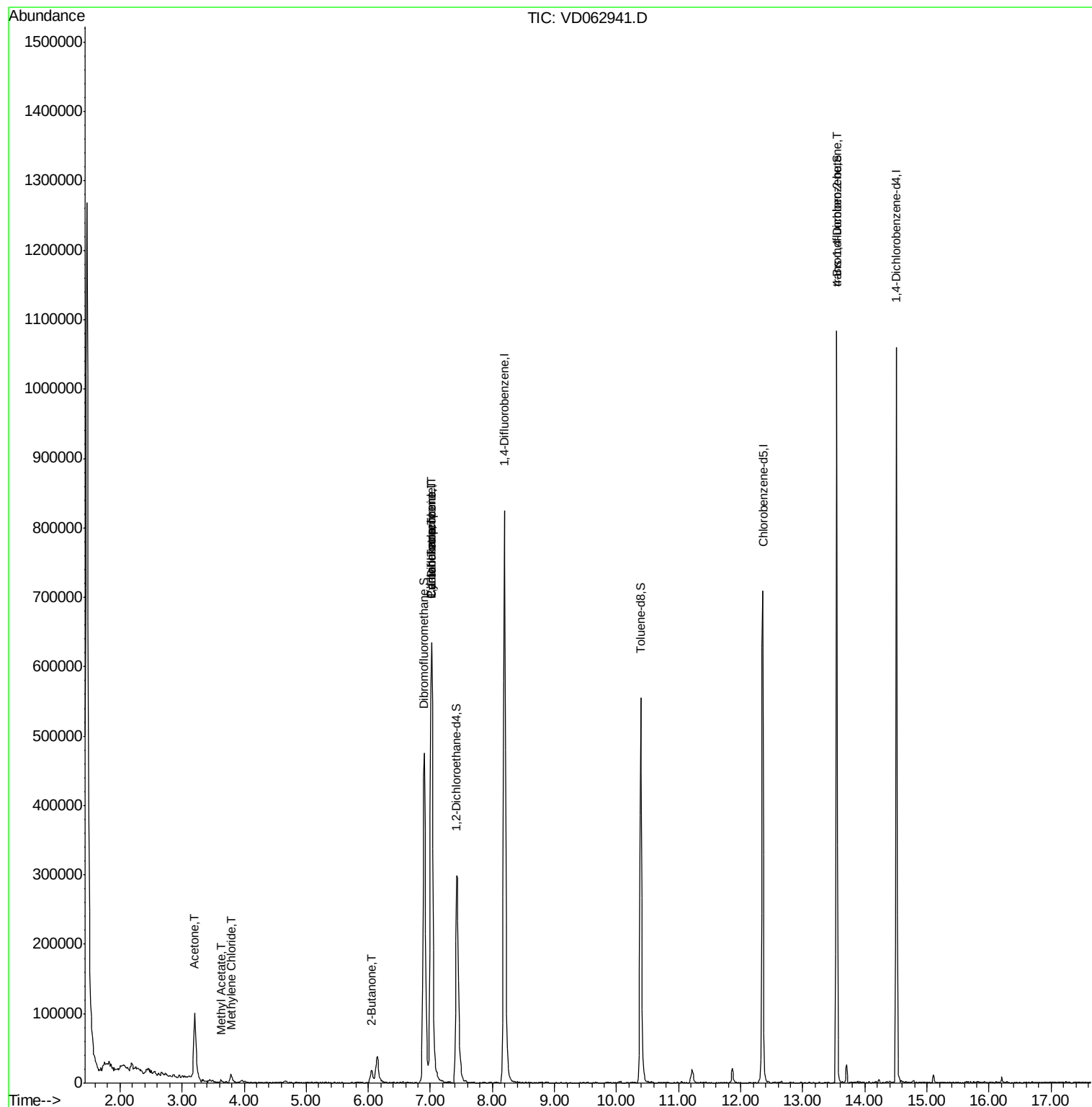
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	191845	136.727	ug/l	96
18) Methyl Acetate	3.62	43	5717	2.801	ug/l #	69
20) Methylene Chloride	3.79	84	7540	1.462	ug/l #	86
25) 2-Butanone	6.06	43	35531	28.093	ug/l	98
31) Cyclohexane	7.01	56	15081	2.375	ug/l #	5
36) 1,1-Dichloropropene	7.02	75	51246	6.397	ug/l #	53
37) Ethyl Acetate	6.14	43	2522	Below Cal	#	46
38) Carbon Tetrachloride	7.02	117	62455	5.184	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	140758	183.510	ug/l #	2

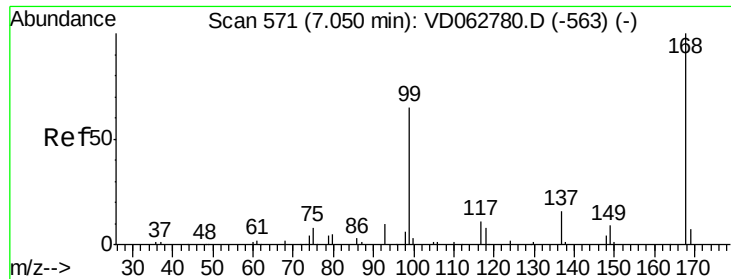
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD062941.D

Acq: 27 Jun 2019 19:39

Instrument :

MSVOA_D

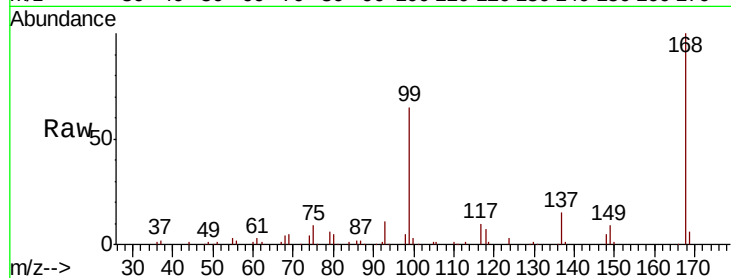
ClientSampleId :

Tot Ion:168 Resp: 622114

Ion Ratio Lower Upper

168 100

99 64.9 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

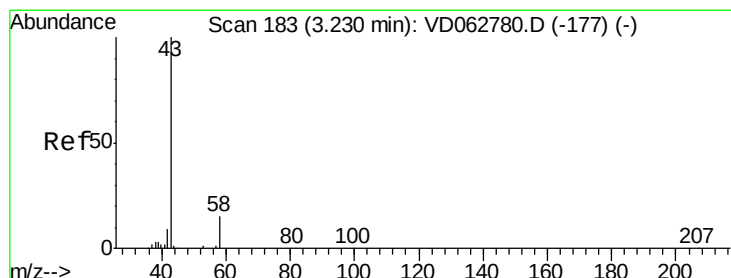
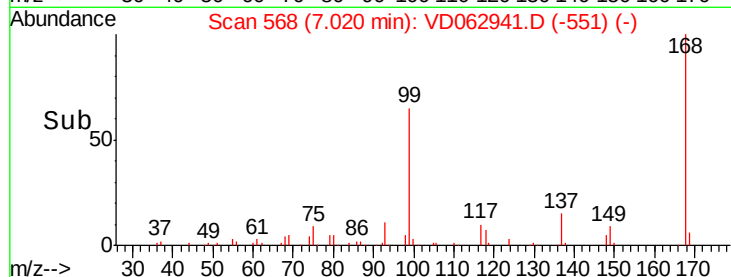
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 136.727 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062941.D

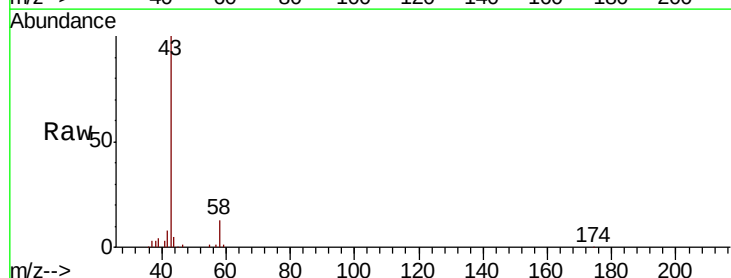
Acq: 27 Jun 2019 19:39

Tgt Ion: 43 Resp: 191845

Ion Ratio Lower Upper

43 100

58 13.1 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

80000

60000

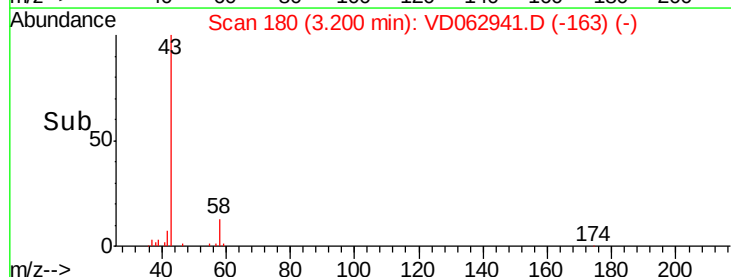
40000

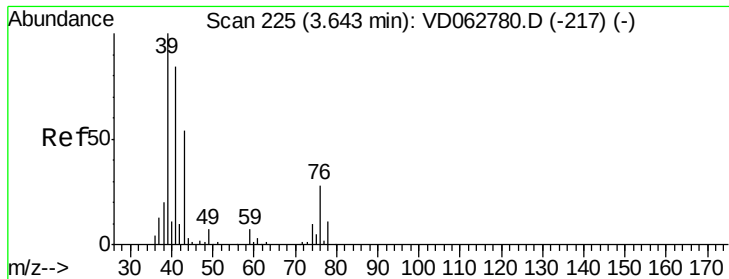
20000

0

3.10 3.20 3.30

Time-->

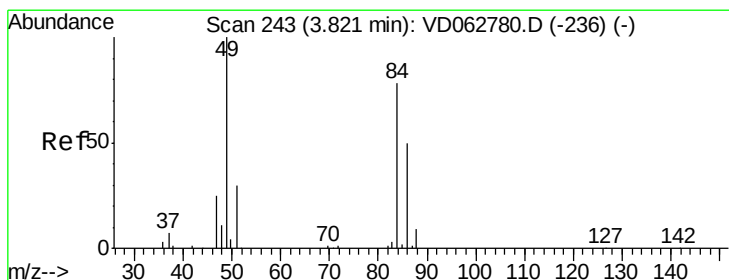
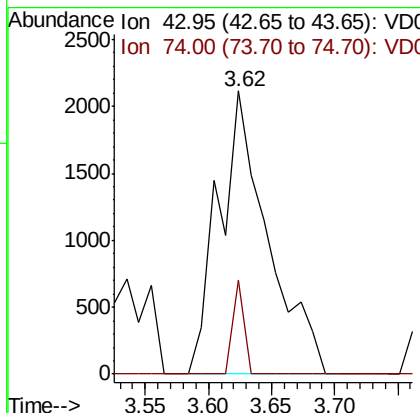
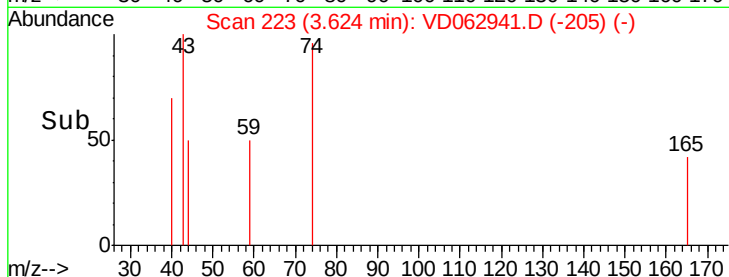
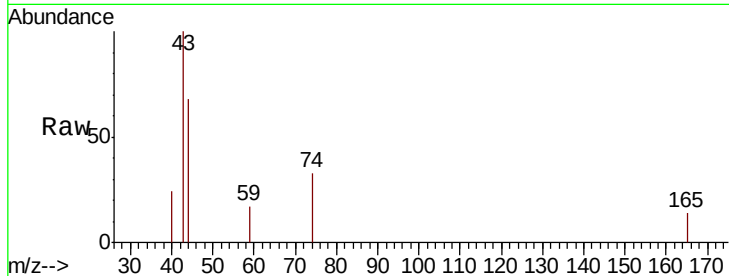




#18
Methvl Acetate
Concen: 2.801 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062941.D
Acq: 27 Jun 2019 19:39

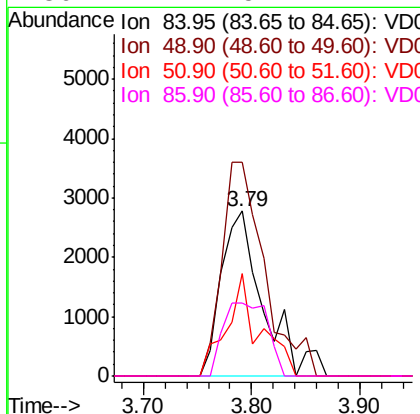
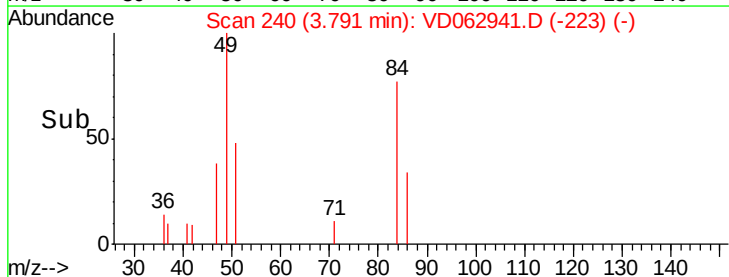
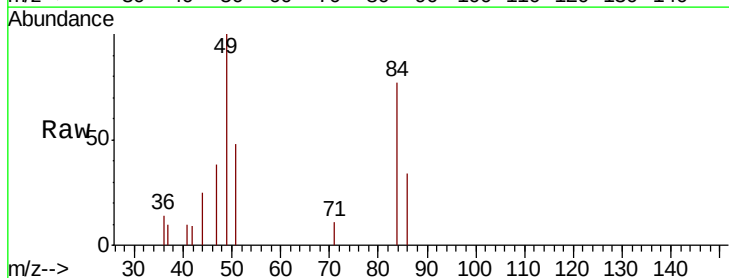
Instrument :
MSVOA_D
ClientSampleId :

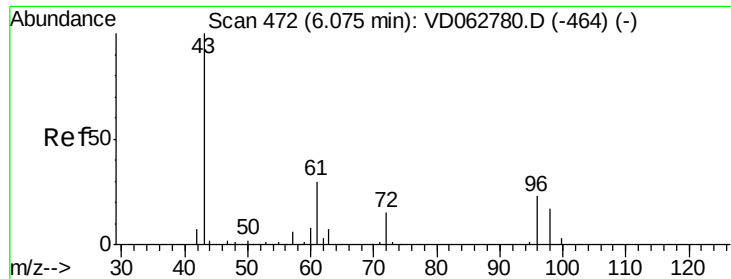
Tot Ion: 43 Resp: 5717
Ion Ratio Lower Upper
43 100
74 33.1 15.2 22.8#



#20
Methylene Chloride
Concen: 1.462 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062941.D
Acq: 27 Jun 2019 19:39

Tgt Ion: 84 Resp: 7540
Ion Ratio Lower Upper
84 100
49 129.8 102.9 154.3
51 62.0 31.2 46.8#
86 44.7 51.4 77.2#





#25

2-Butanone

Concen: 28.093 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.02 min

Lab File: VD062941.D

Acq: 27 Jun 2019 19:39

Instrument :

MSVOA_D

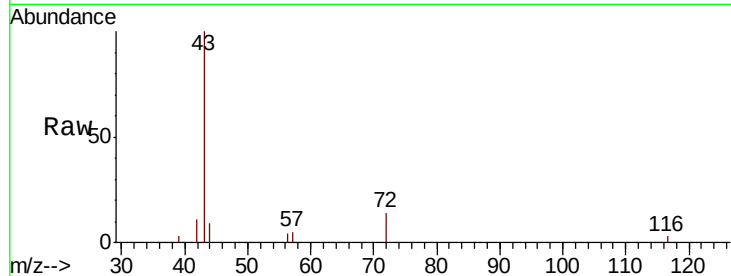
ClientSampleId :

Tot Ion: 43 Resp: 35531

Ion Ratio Lower Upper

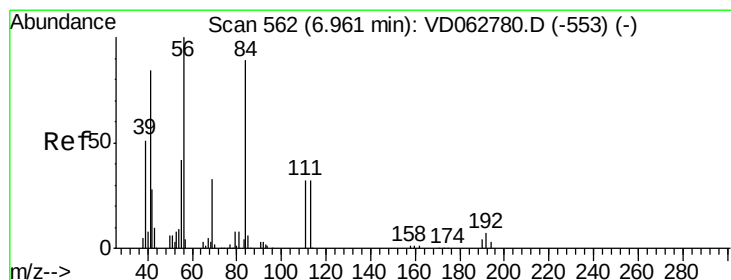
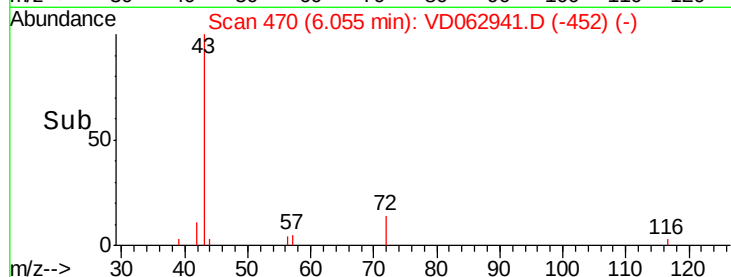
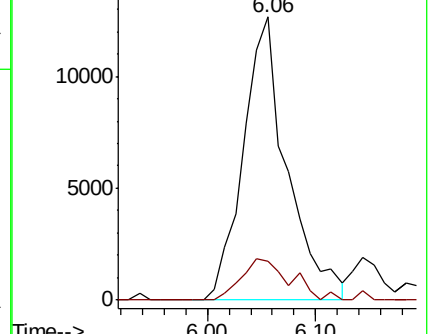
43 100

72 13.9 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-464) (-)

Ion 72.00 (71.70 to 72.70): VD062780.D (-464) (-)



#31

Cyclohexane

Concen: 2.375 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.05 min

Lab File: VD062941.D

Acq: 27 Jun 2019 19:39

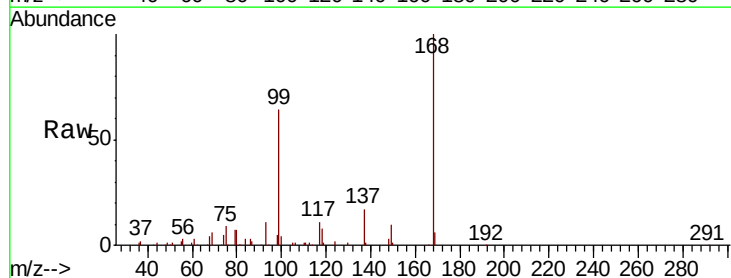
Tgt Ion: 56 Resp: 15081

Ion Ratio Lower Upper

56 100

69 231.1 26.6 39.8#

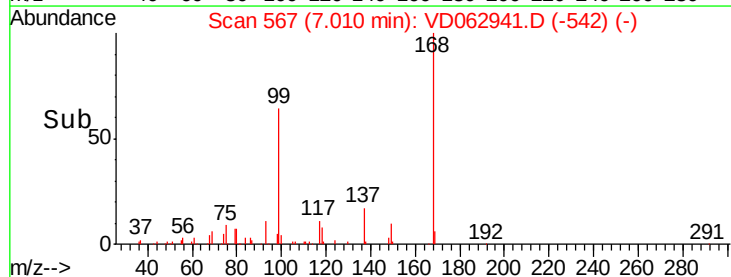
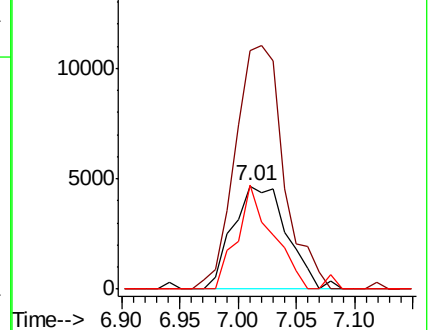
84 100.4 75.5 113.3

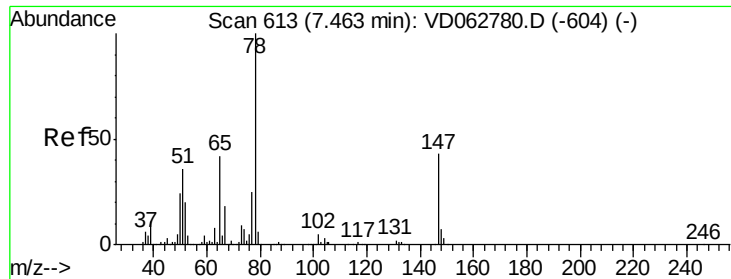


Abundance Ion 55.95 (55.65 to 56.65): VD062780.D (-553) (-)

Ion 69.00 (68.70 to 69.70): VD062780.D (-553) (-)

Ion 84.05 (83.75 to 84.75): VD062780.D (-553) (-)

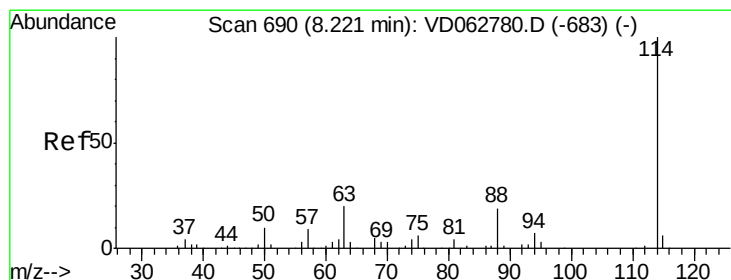
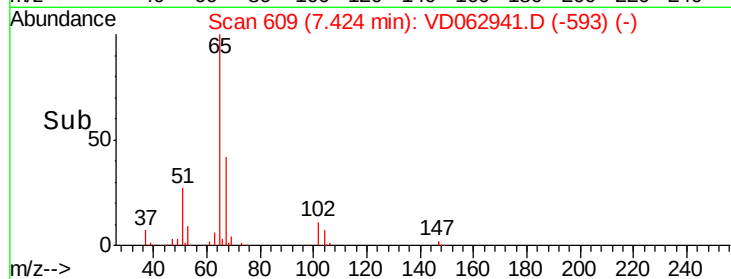
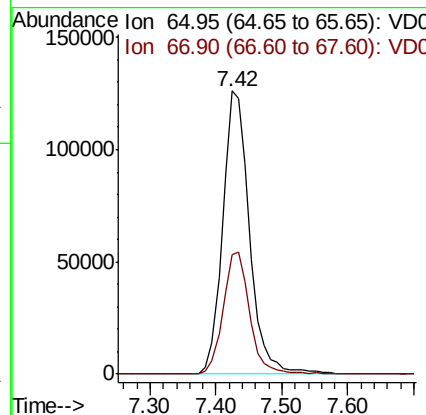
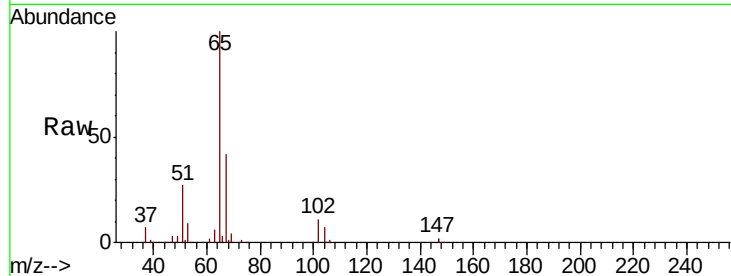




#33
 1,2-Dichloroethane-d4
 Concen: 52.662 ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062941.D
 Acq: 27 Jun 2019 19:39

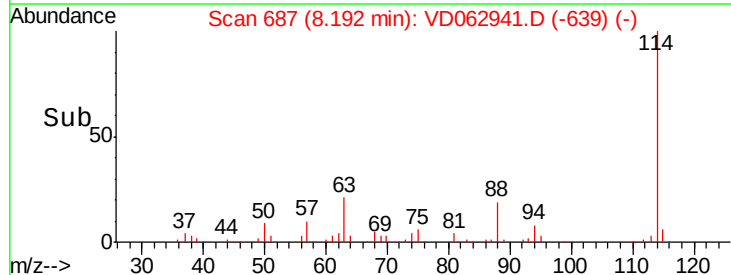
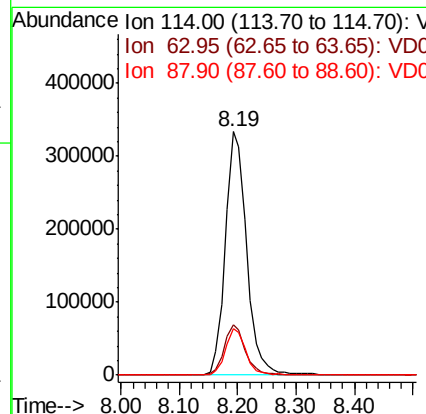
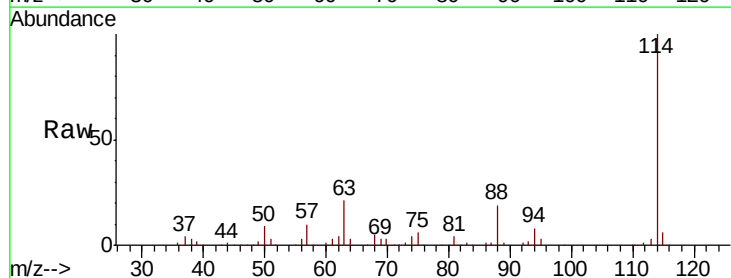
Instrument :
 MSVOA_D
 ClientSampled :

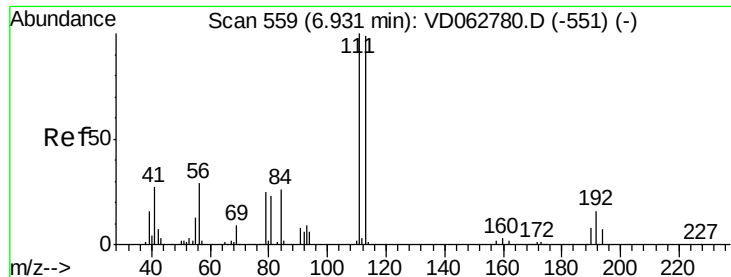
Tot Ion: 65 Resp: 356117
 Ion Ratio Lower Upper
 65 100
 67 42.1 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062941.D
 Acq: 27 Jun 2019 19:39

Tgt Ion: 114 Resp: 846230
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.0
 88 18.9 0.0 38.8

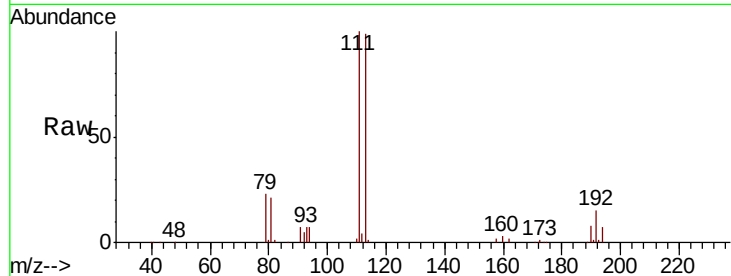




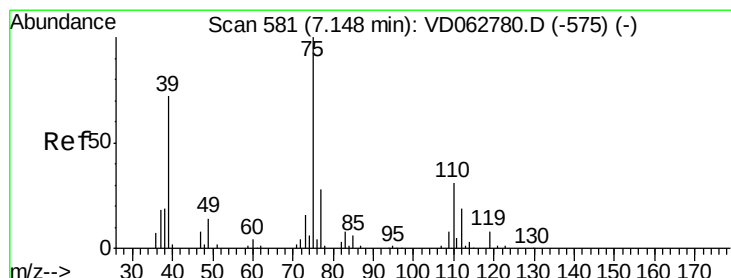
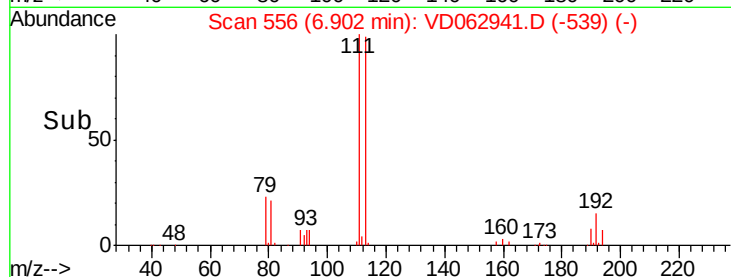
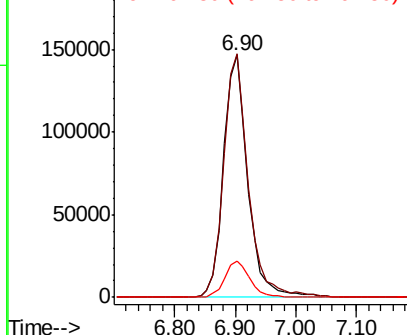
#35
Dibromofluoromethane
Concen: 57.357 ug/l
RT: 6.90 min Scan# 556
Delta R.T. -0.03 min
Lab File: VD062941.D
Acq: 27 Jun 2019 19:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.2	121.8
192	14.8	12.9	19.3

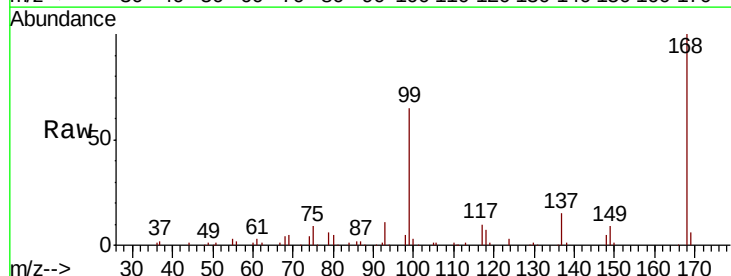


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

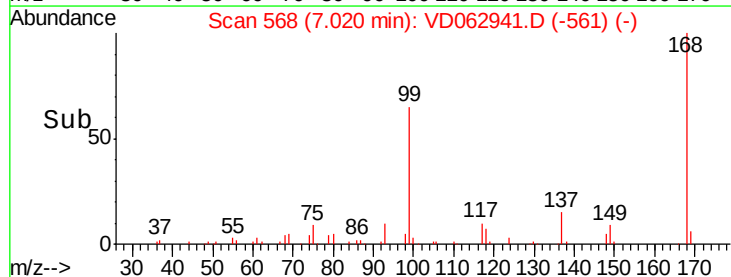
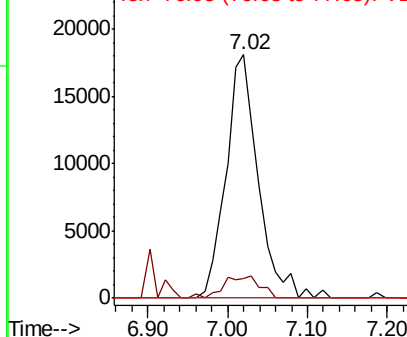


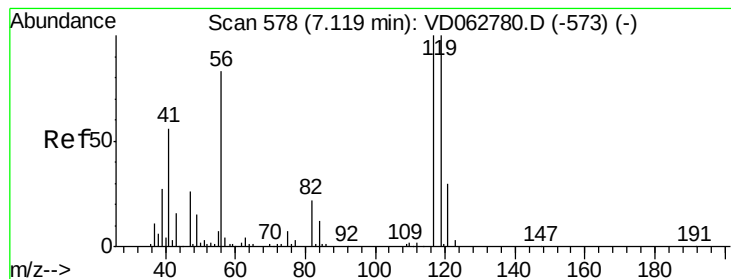
#36
1,1-Dichloropropene
Concen: 6.397 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.13 min
Lab File: VD062941.D
Acq: 27 Jun 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	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: 5.184 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062941.D

Acq: 27 Jun 2019 19:39

Instrument :

MSVOA_D

ClientSampled :

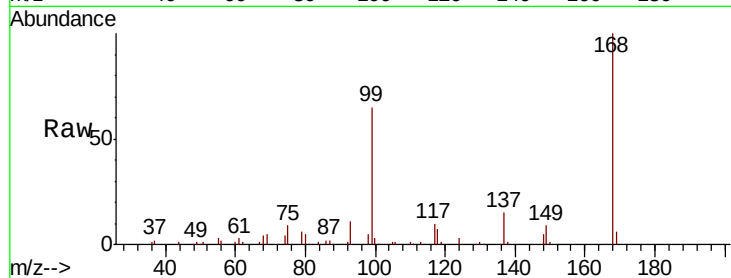
Tot Ion:117 Resp: 62455

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.2#

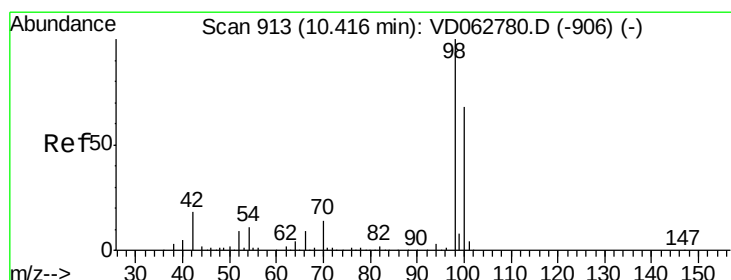
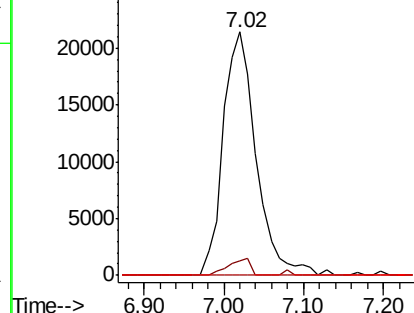
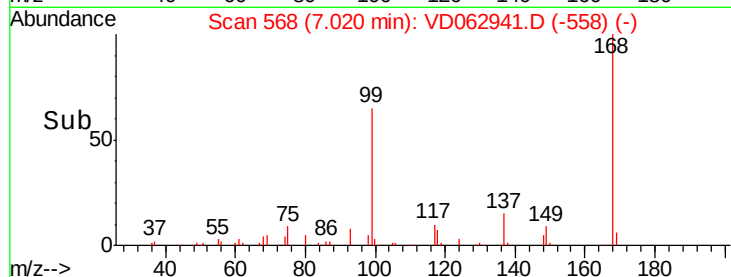
121 0.0 22.3 33.5#



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: 26.944 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062941.D

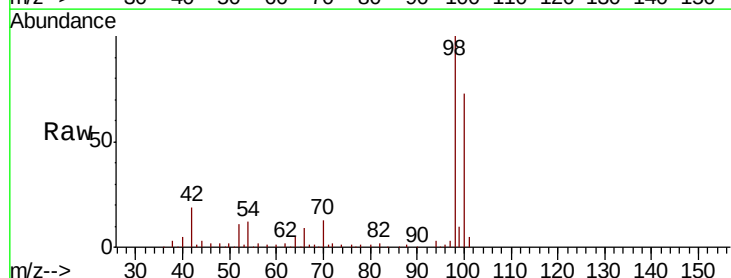
Acq: 27 Jun 2019 19:39

Tgt Ion: 98 Resp: 418437

Ion Ratio Lower Upper

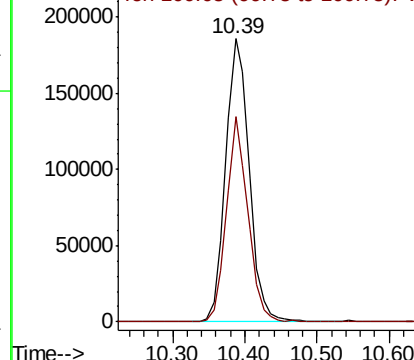
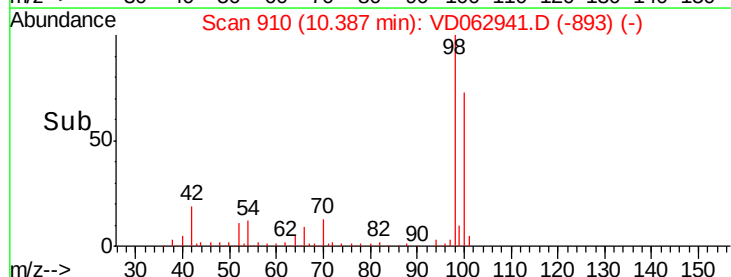
98 100

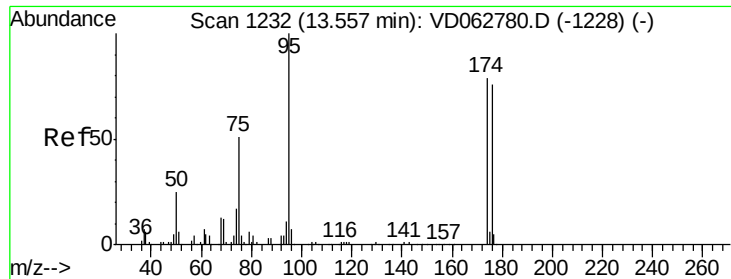
100 72.6 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 41.460 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062941.D

Acq: 27 Jun 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

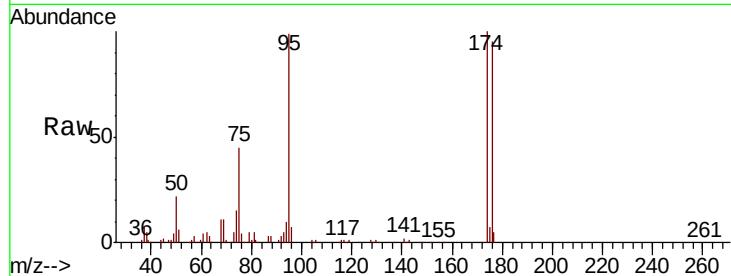
Tot Ion: 95 Resp: 292770

Ion Ratio Lower Upper

95 100

174 100.9 0.0 158.0

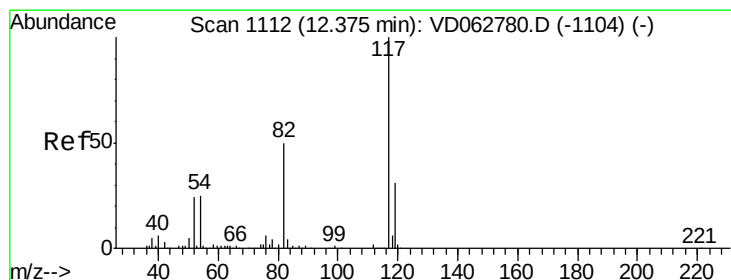
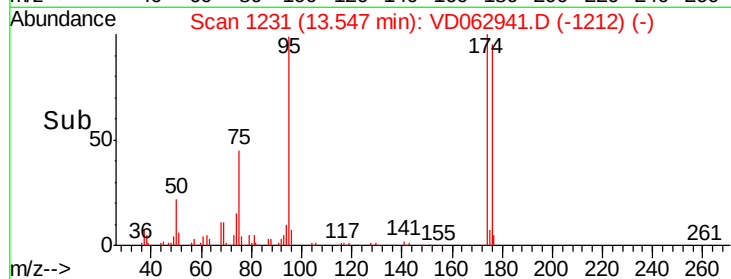
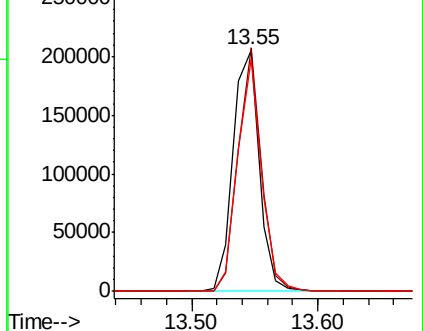
176 96.4 0.0 151.6



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: 12.36 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062941.D

Acq: 27 Jun 2019 19:39

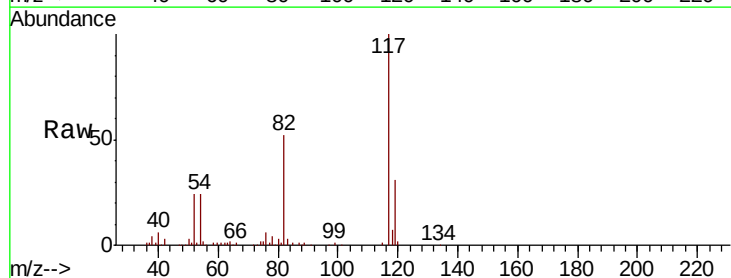
Tgt Ion: 117 Resp: 379849

Ion Ratio Lower Upper

117 100

82 52.3 40.4 60.6

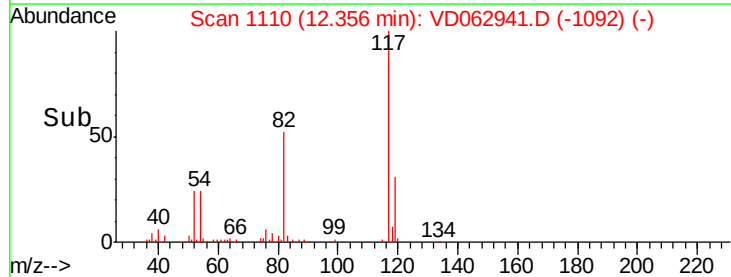
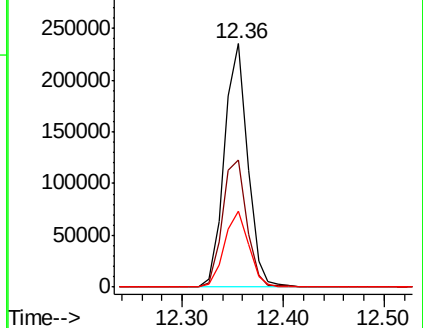
119 31.4 25.2 37.8

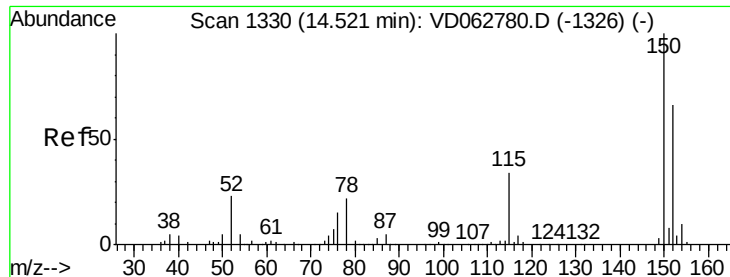


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



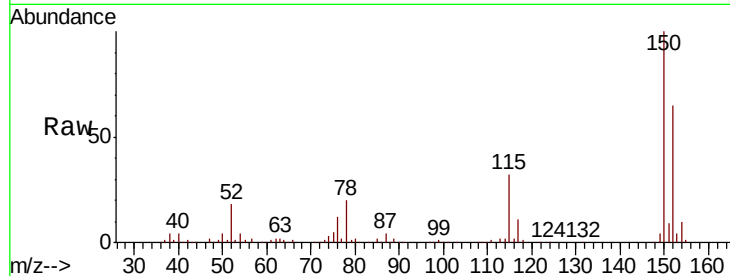


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062941.D
Acq: 27 Jun 2019 19:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	48.8	29.2	87.6
150	152.8	0.0	305.8

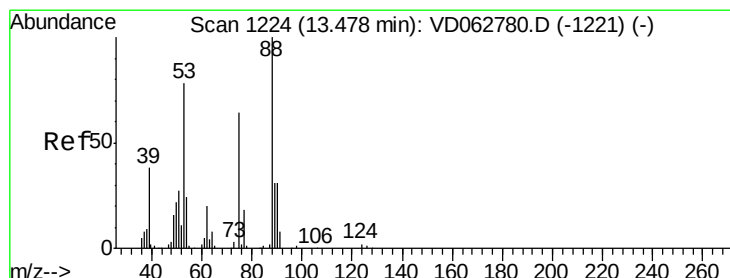
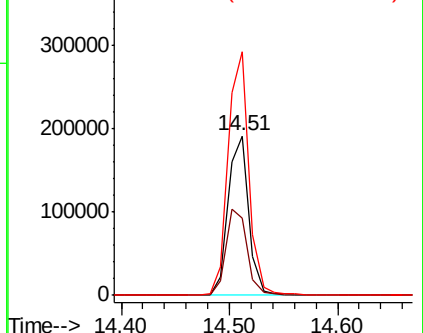
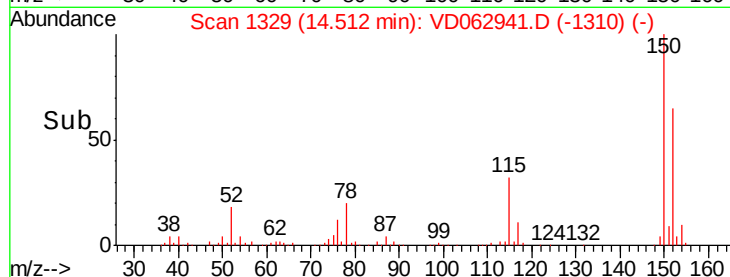


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

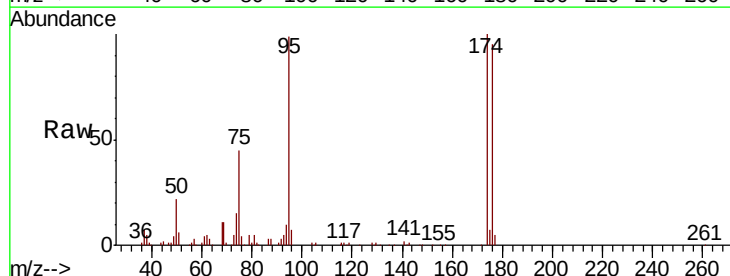
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 183.510 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062941.D
Acq: 27 Jun 2019 19:39

Tgt 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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

