

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062969.D
 Acq On : 28 Jun 2019 16:42
 Operator : VA/AP
 Sample : K3163-15
 Misc : 6.55g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-062719-B

Quant Time: Jun 29 00:15:51 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	695794	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	917204	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	769162	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	346230	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	392323	51.87	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	6.90	113	422295	54.60	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.20%	
50) Toluene-d8	10.38	98	854065	50.74	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	13.54	95	349842	45.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.42%	

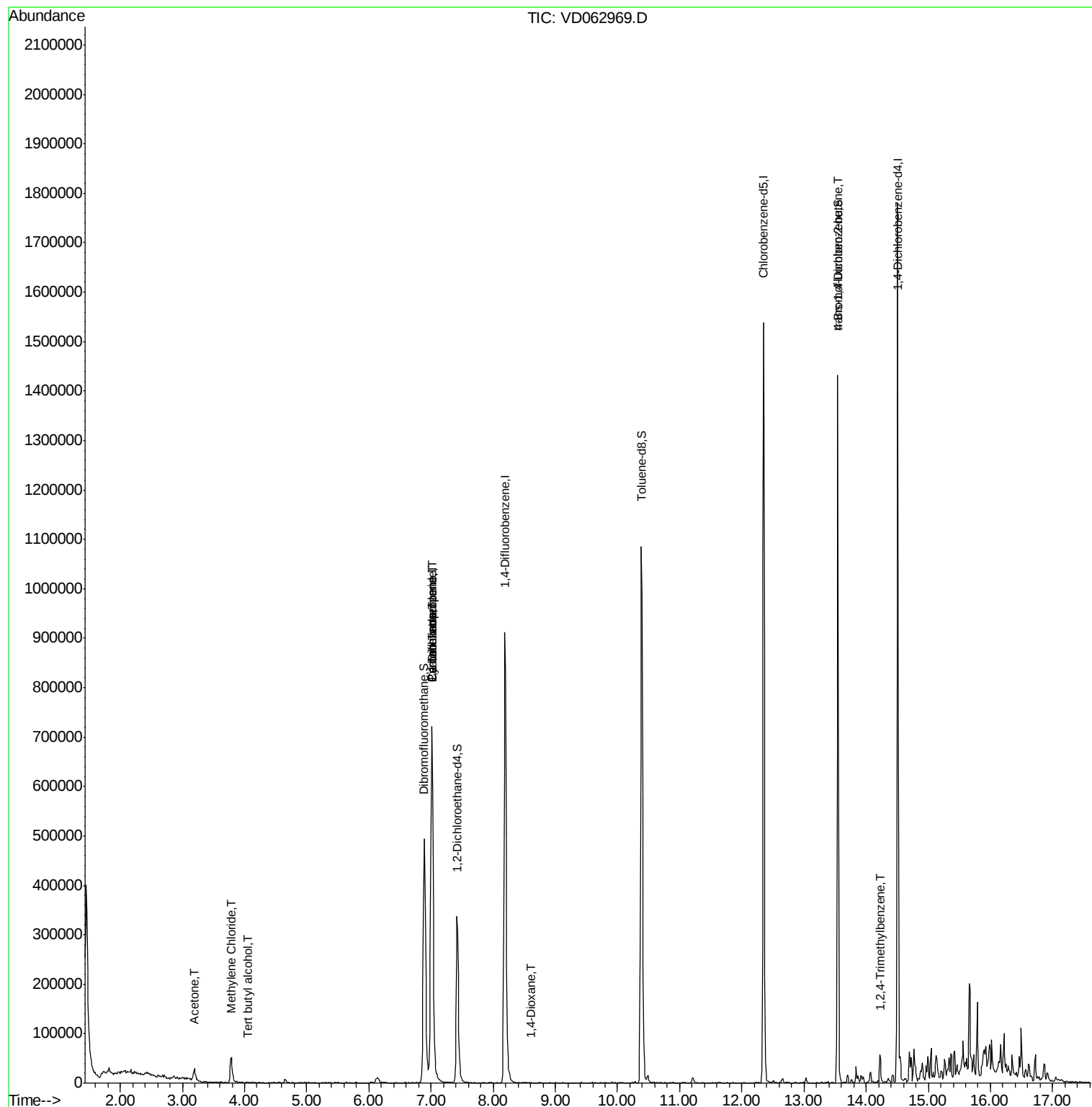
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	461	1.338	ug/l #	77
16) Acetone	3.20	43	49294	25.868	ug/l #	80
20) Methylene Chloride	3.78	84	30337	5.260	ug/l #	96
31) Cyclohexane	7.01	56	15387	2.166	ug/l #	7
36) 1,1-Dichloropropene	7.01	75	53749	6.190	ug/l #	54
37) Ethyl Acetate	6.15	43	572	Below Cal	#	69
38) Carbon Tetrachloride	7.01	117	72839	5.578	ug/l #	17
49) 1,4-Dioxane	8.62	88	217	8.063	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.54	75	167312	159.718	ug/l #	2
84) 1,2,4-Trimethylbenzene	14.22	105	25930	1.357	ug/l	86

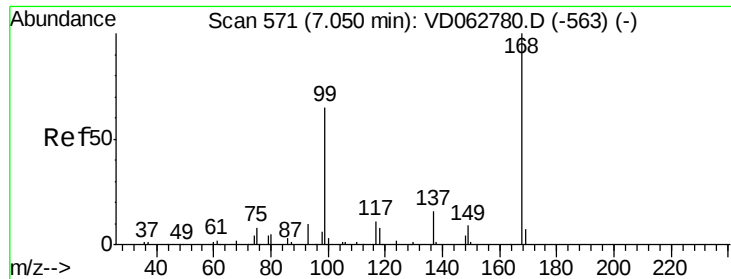
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
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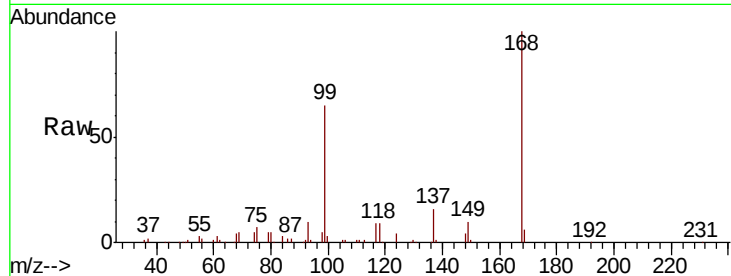


#1

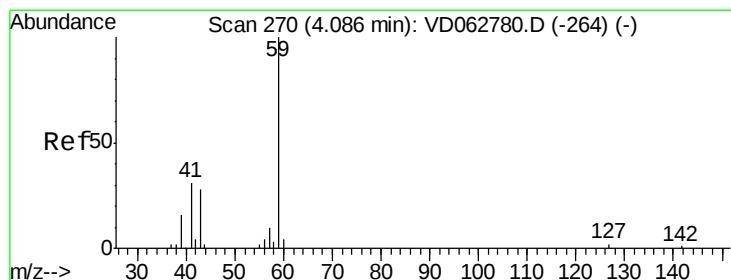
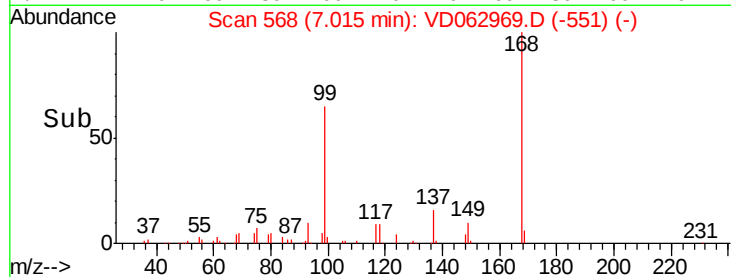
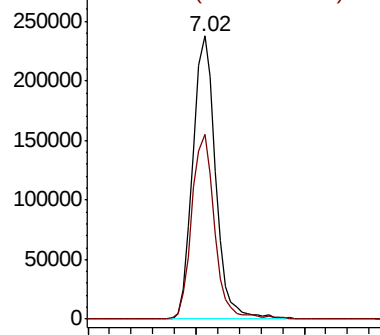
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.03 min
 Lab File: VD062969.D
 Acq: 28 Jun 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-062719-B

Tot Ion:168 Resp: 695794
 Ion Ratio Lower Upper
 168 100
 99 65.4 53.0 79.6



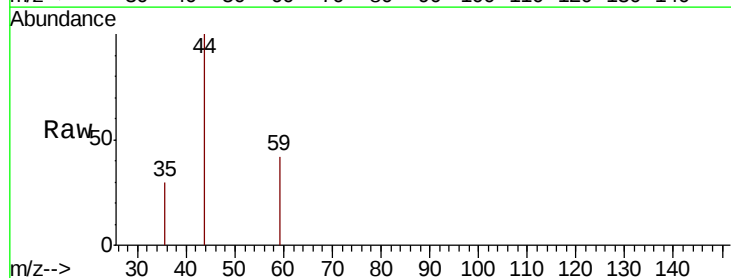
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



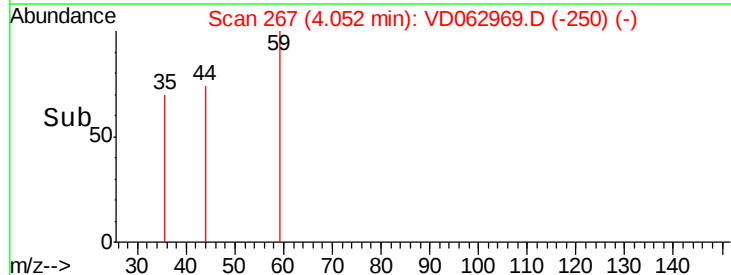
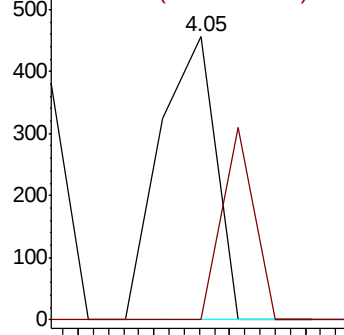
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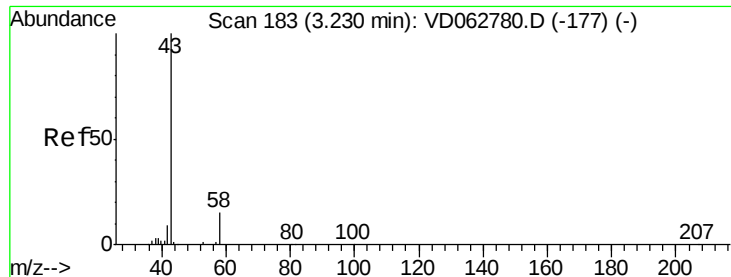
Tert butyl alcohol
 Concen: 1.338 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.03 min
 Lab File: VD062969.D
 Acq: 28 Jun 2019 16:42

Tgt Ion: 59 Resp: 461
 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





#16

Acetone

Concen: 25.868 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062969.D

Acq: 28 Jun 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

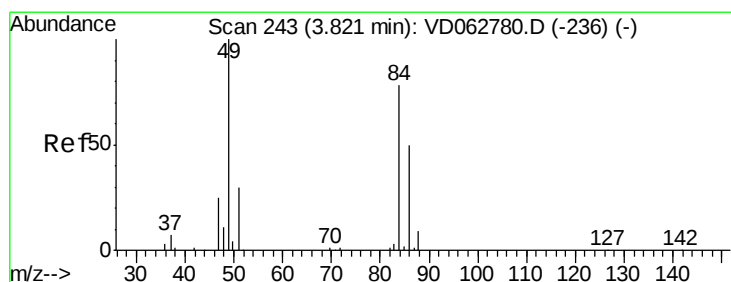
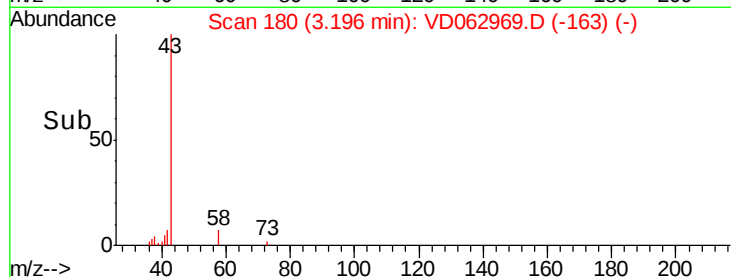
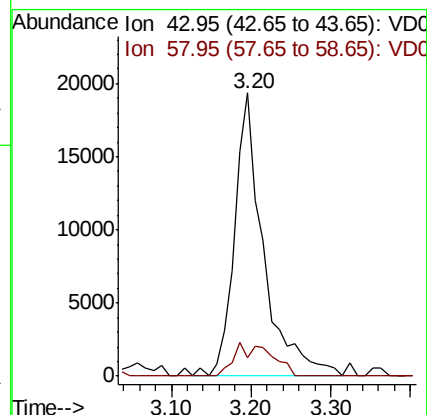
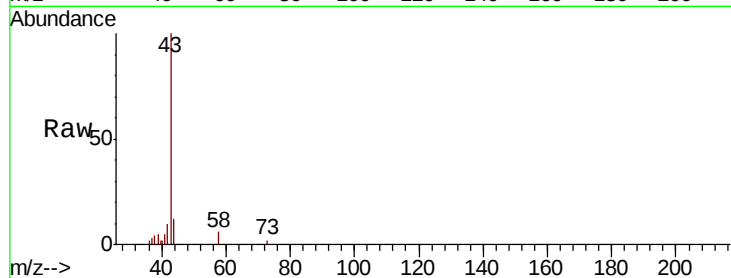
SU-01-062719-B

Tot Ion: 43 Resp: 49294

Ion Ratio Lower Upper

43 100

58 6.5 11.9 17.9#



#20

Methylene Chloride

Concen: 5.260 ug/l

RT: 3.78 min Scan# 239

Delta R.T. -0.04 min

Lab File: VD062969.D

Acq: 28 Jun 2019 16:42

Tgt Ion: 84 Resp: 30337

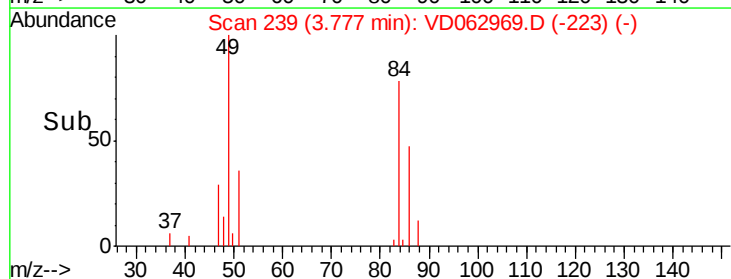
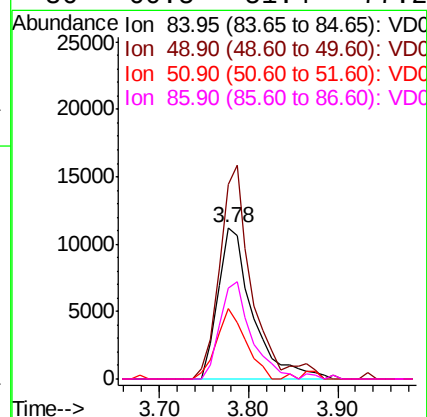
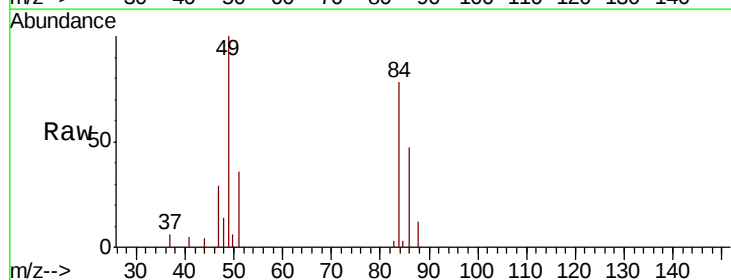
Ion Ratio Lower Upper

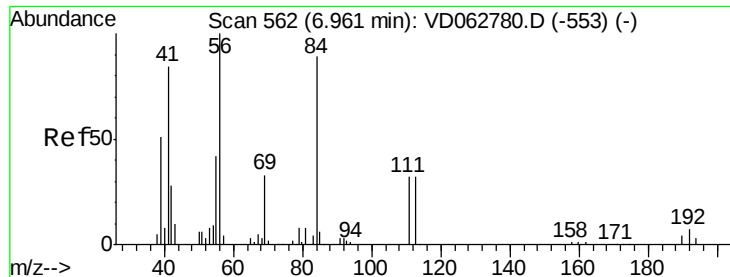
84 100

49 128.6 102.9 154.3

51 46.9 31.2 46.8#

86 60.5 51.4 77.2

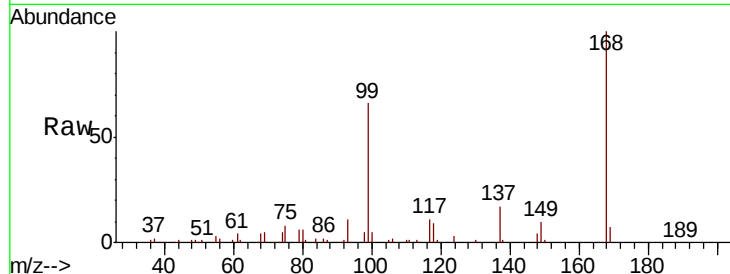




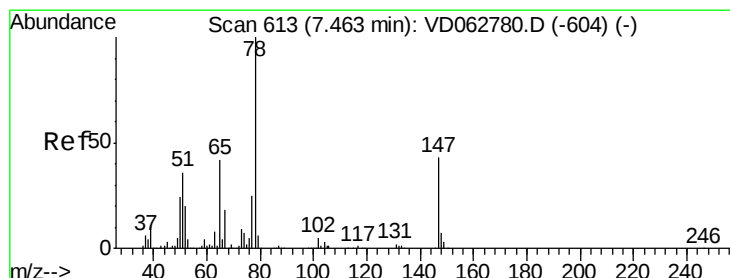
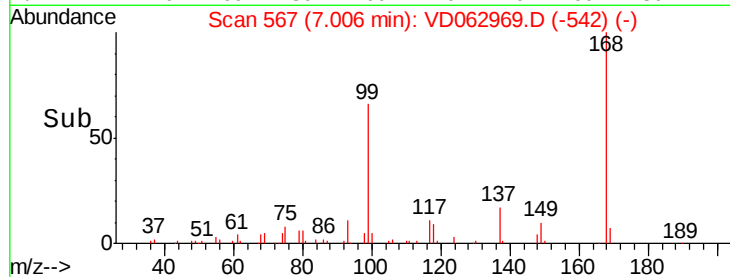
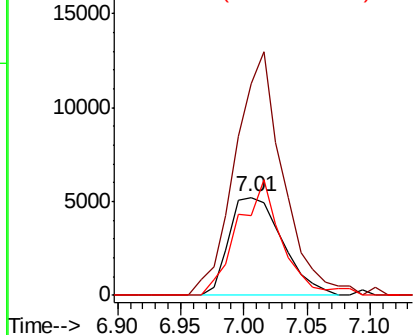
#31
Cyclohexane
Concen: 2.166 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.04 min
Lab File: VD062969.D
Acq: 28 Jun 2019 16:42

Instrument :
MSVOA_D
ClientSampleId :
SU-01-062719-B

Tot Ion: 56 Resp: 15387
Ion Ratio Lower Upper
56 100
69 215.3 26.6 39.8#
84 81.6 75.5 113.3

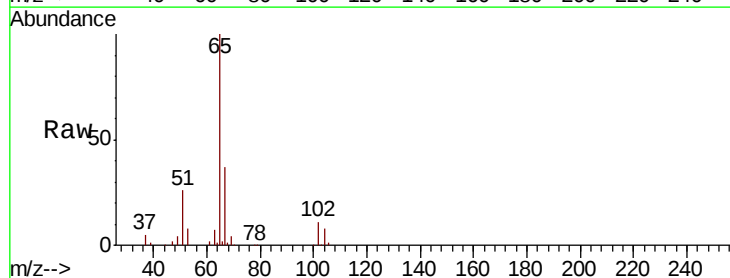


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

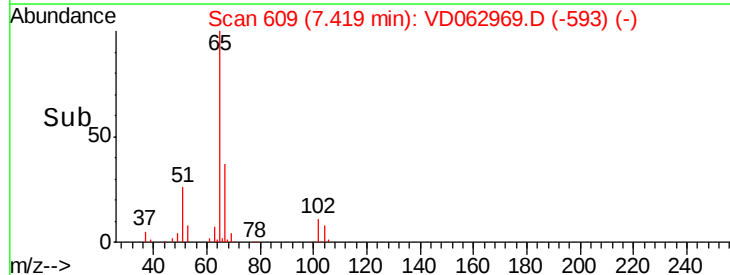
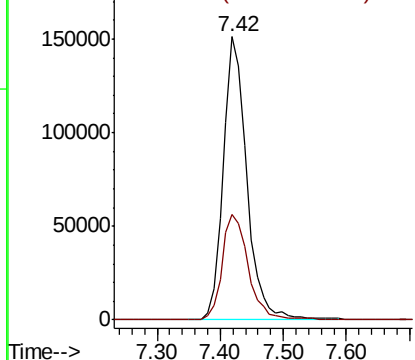


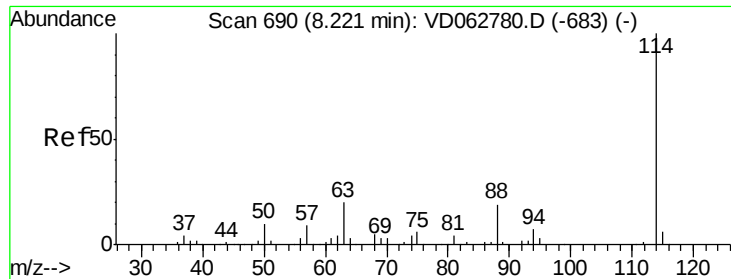
#33
1,2-Dichloroethane-d4
Concen: 51.873 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062969.D
Acq: 28 Jun 2019 16:42

Tgt Ion: 65 Resp: 392323
Ion Ratio Lower Upper
65 100
67 37.5 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

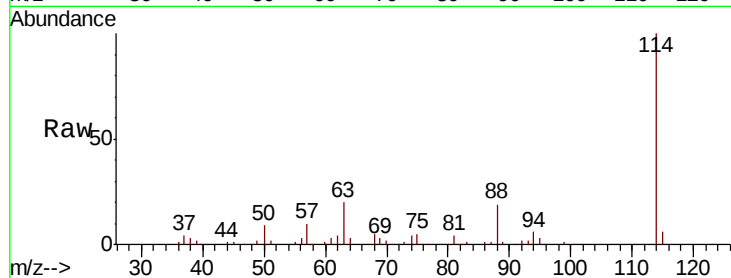




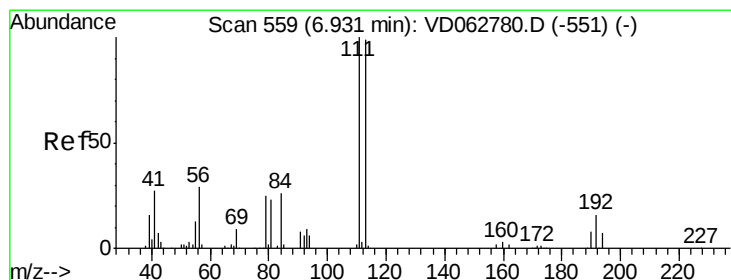
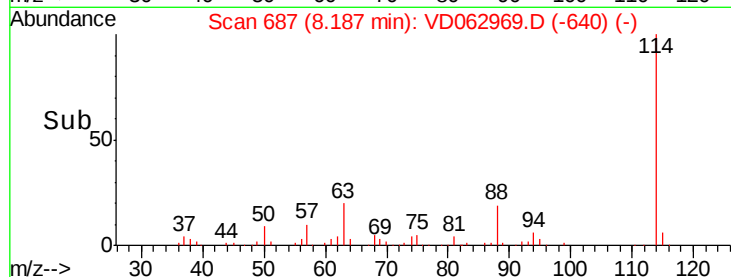
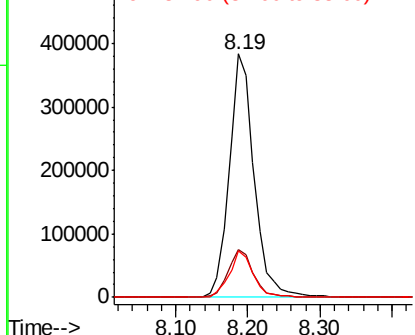
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062969.D
 Acq: 28 Jun 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-062719-B

Tot Ion:114 Resp: 917204
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 19.2 0.0 38.8

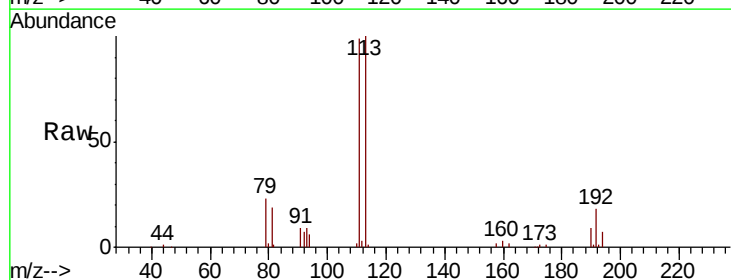


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

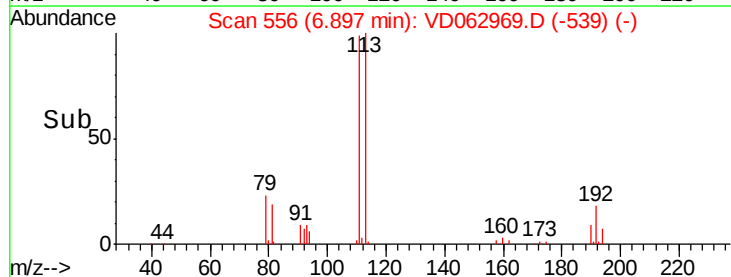
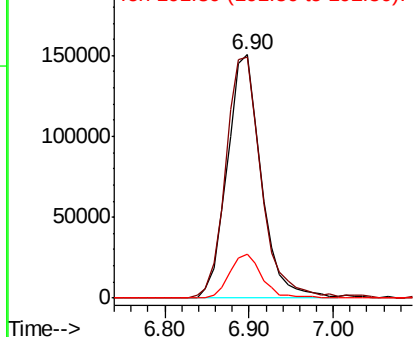


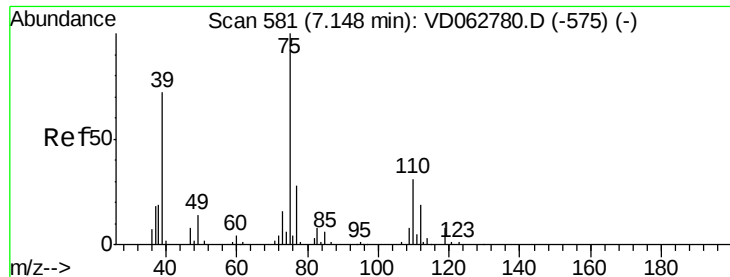
#35
 Dibromofluoromethane
 Concen: 54.604 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062969.D
 Acq: 28 Jun 2019 16:42

Tgt Ion:113 Resp: 422295
 Ion Ratio Lower Upper
 113 100
 111 98.9 81.2 121.8
 192 18.0 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: 6.190 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062969.D

Acq: 28 Jun 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

SU-01-062719-B

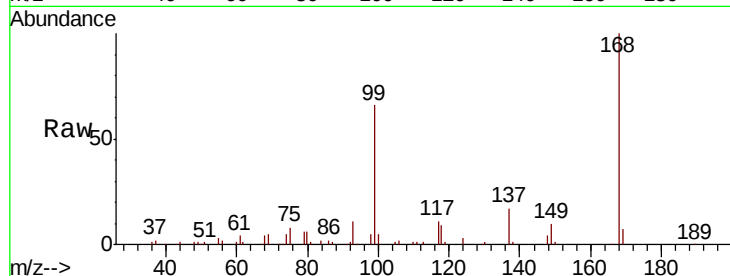
Tot Ion: 75 Resp: 53749

Ion Ratio Lower Upper

75 100

110 8.4 15.0 45.1#

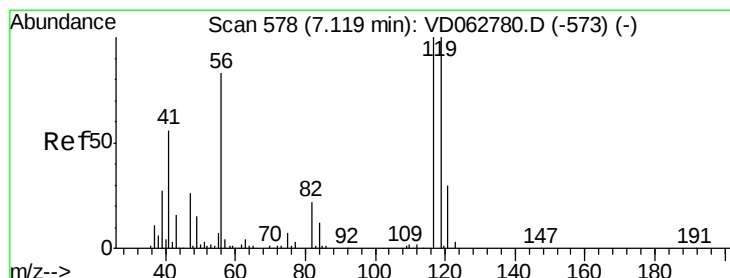
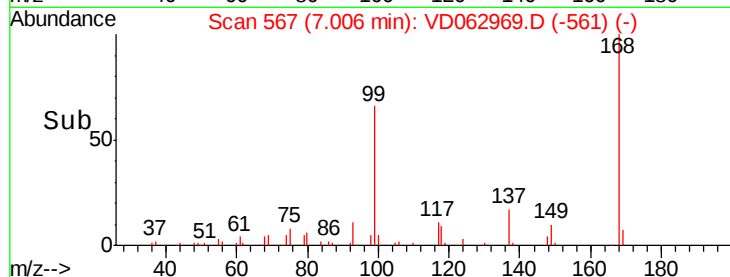
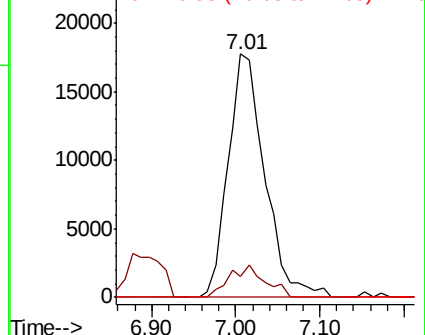
77 0.0 22.2 33.2#



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



#38

Carbon Tetrachloride

Concen: 5.578 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.11 min

Lab File: VD062969.D

Acq: 28 Jun 2019 16:42

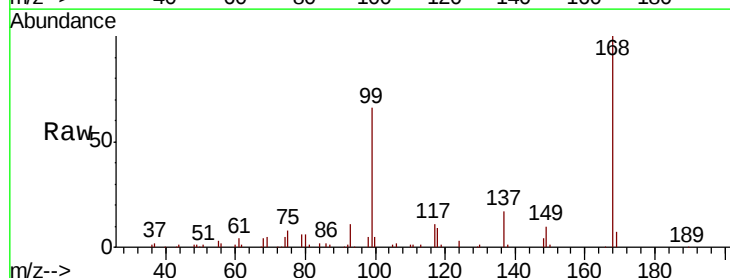
Tgt Ion: 117 Resp: 72839

Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.2#

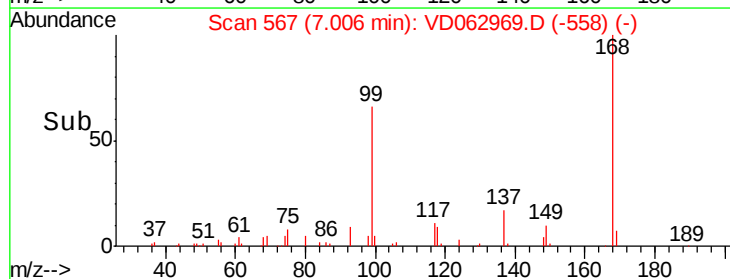
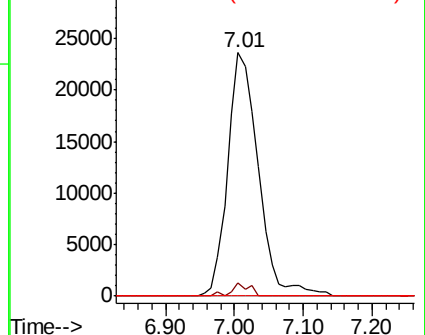
121 0.0 22.3 33.5#

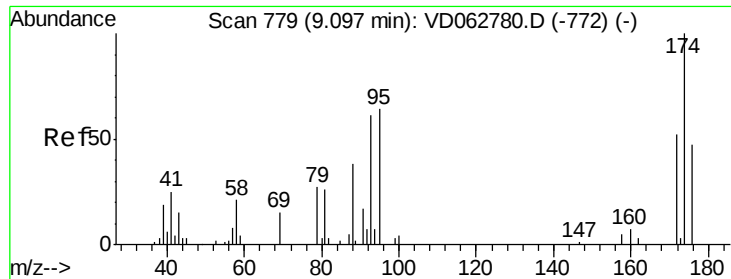


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

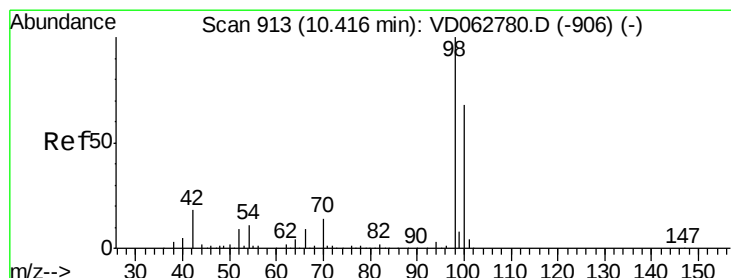
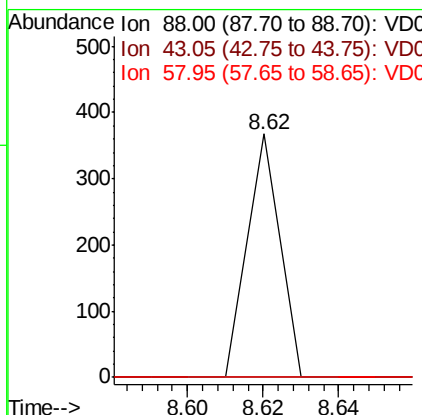
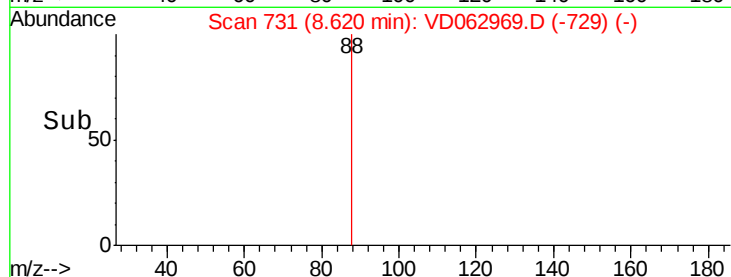
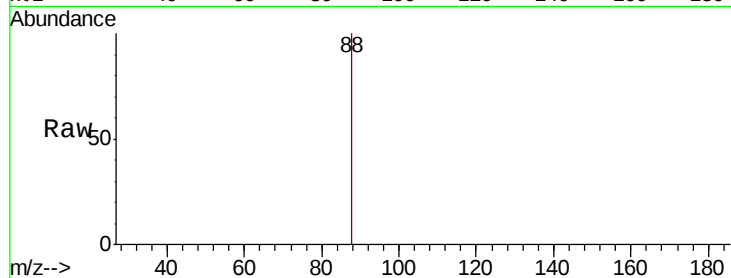




#49
 1,4-Dioxane
 Concen: 8.063 ug/l
 RT: 8.62 min Scan# 731
 Delta R.T. -0.48 min
 Lab File: VD062969.D
 Acq: 28 Jun 2019 16:42

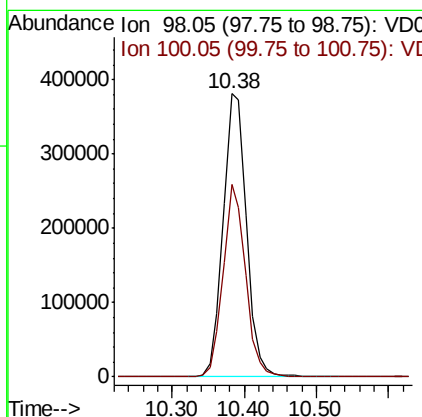
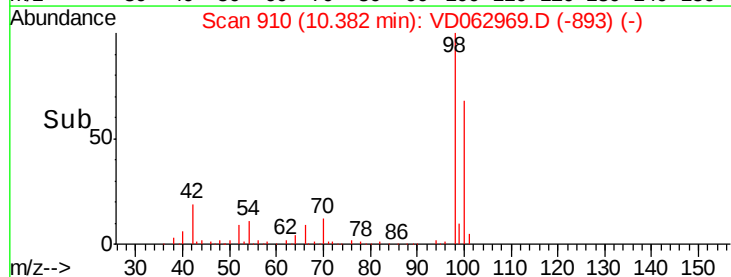
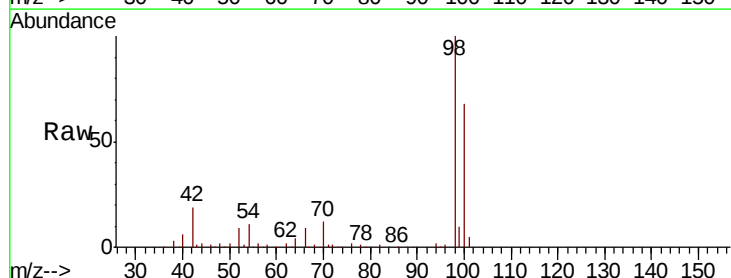
Instrument :
 MSVOA_D
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 SU-01-062719-B

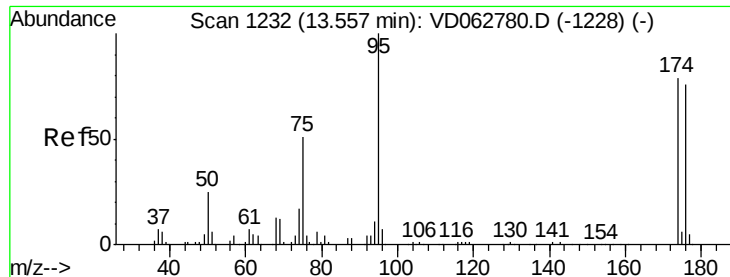
Tot Ion: 88 Resp: 217
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.1 48.1#
 58 0.0 44.1 66.1#



#50
 Toluene-d8
 Concen: 50.739 ug/l
 RT: 10.38 min Scan# 910
 Delta R.T. -0.03 min
 Lab File: VD062969.D
 Acq: 28 Jun 2019 16:42

Tgt Ion: 98 Resp: 854065
 Ion Ratio Lower Upper
 98 100
 100 67.9 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 45.708 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062969.D

Acq: 28 Jun 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

SU-01-062719-B

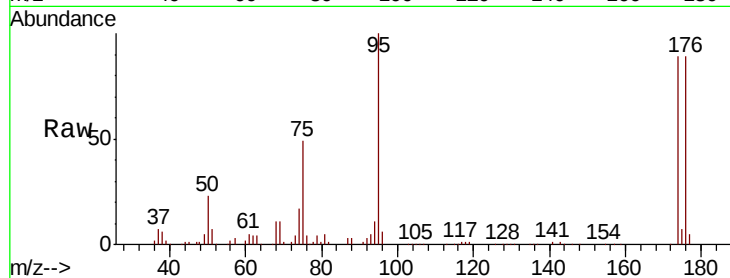
Tot Ion: 95 Resp: 349842

Ion Ratio Lower Upper

95 100

174 88.9 0.0 158.0

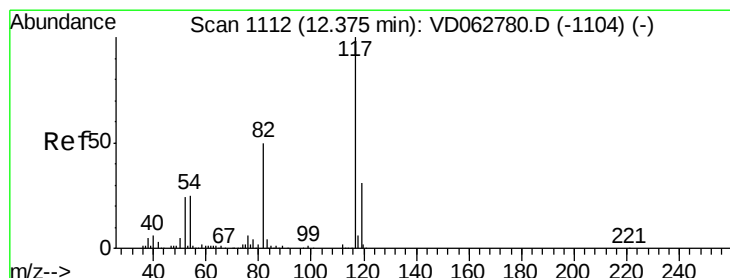
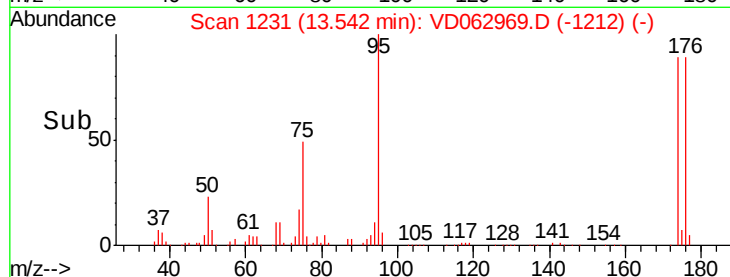
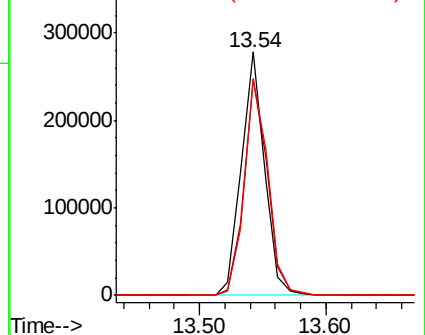
176 88.7 0.0 151.6



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: VD062969.D

Acq: 28 Jun 2019 16:42

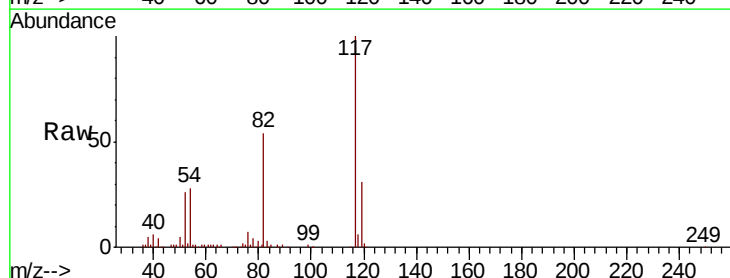
Tgt Ion: 117 Resp: 769162

Ion Ratio Lower Upper

117 100

82 54.0 40.4 60.6

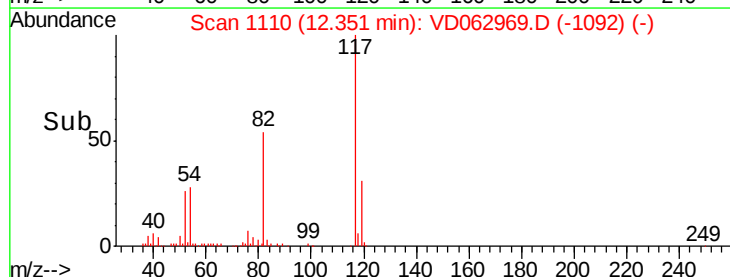
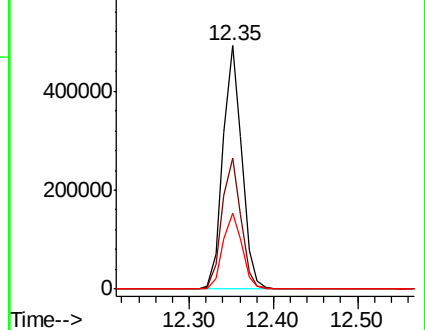
119 31.3 25.2 37.8

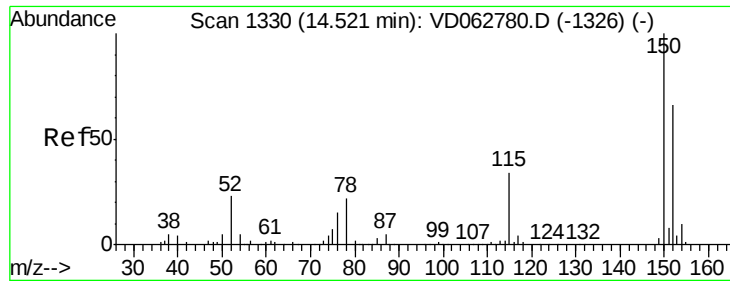


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



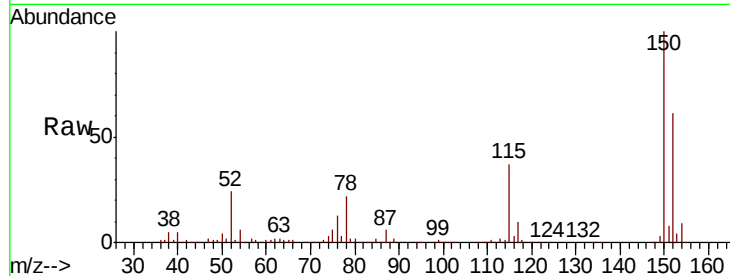


#72

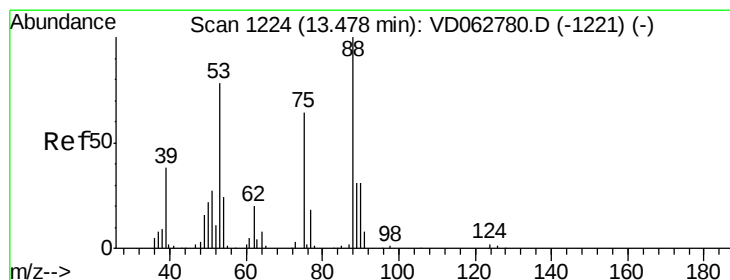
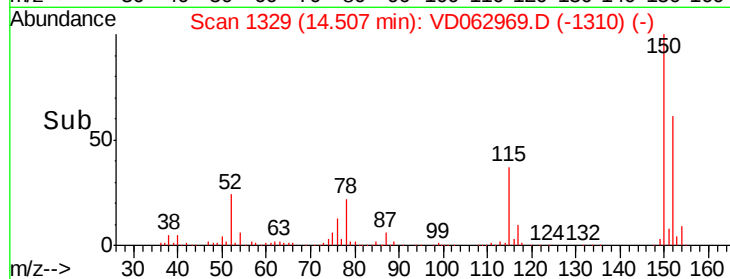
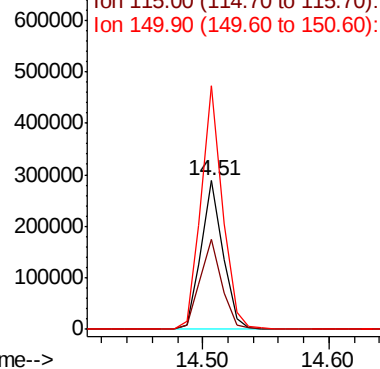
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062969.D
Acq: 28 Jun 2019 16:42

Instrument :
MSVOA_D
ClientSampleId :
SU-01-062719-B

Tot Ion:152 Resp: 346230
Ion Ratio Lower Upper
152 100
115 60.8 29.2 87.6
150 163.9 0.0 305.8



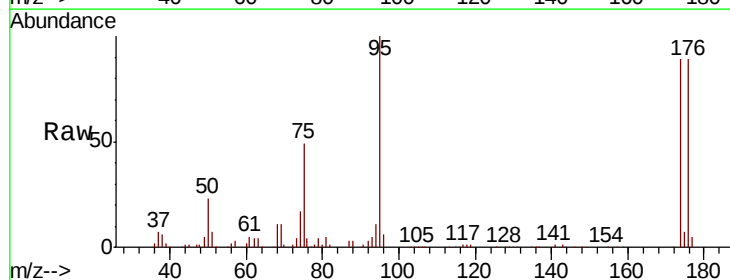
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



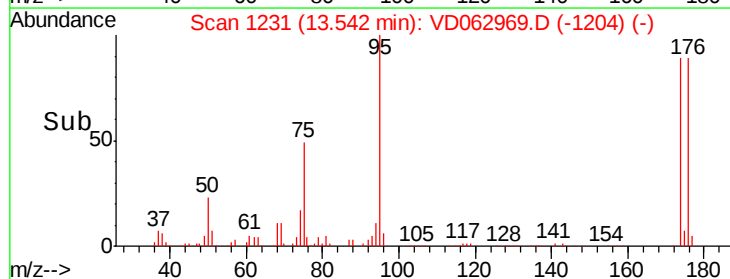
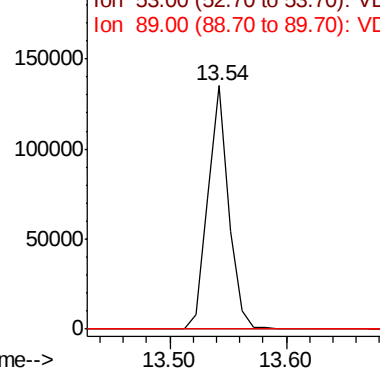
#81

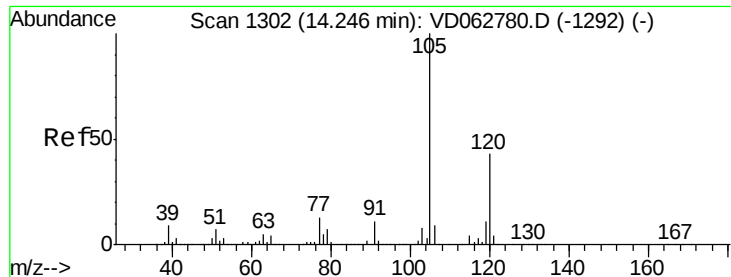
trans-1,4-Dichloro-2-butene
Concen: 159.718 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062969.D
Acq: 28 Jun 2019 16:42

Tgt Ion: 75 Resp: 167312
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





#84
 1,2,4-Trimethylbenzene
 Concen: 1.357 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: VD062969.D
 Acq: 28 Jun 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-062719-B

Tot Ion:105 Resp: 25930
 Ion Ratio Lower Upper
 105 100
 120 51.2 21.3 63.9

