

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062992.D
 Acq On : 1 Jul 2019 16:08
 Operator : VA/AP
 Sample : K3160-11
 Misc : 6.48g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 07:35:22 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	7.06	168	868209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1240166	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	876536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	400389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	417640	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	
35) Dibromofluoromethane	6.93	113	472721	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
50) Toluene-d8	10.41	98	981410	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
62) 4-Bromofluorobenzene	13.55	95	391789	37.86	ug/l	0.00
Spiked Amount			Recovery	=	75.72%	

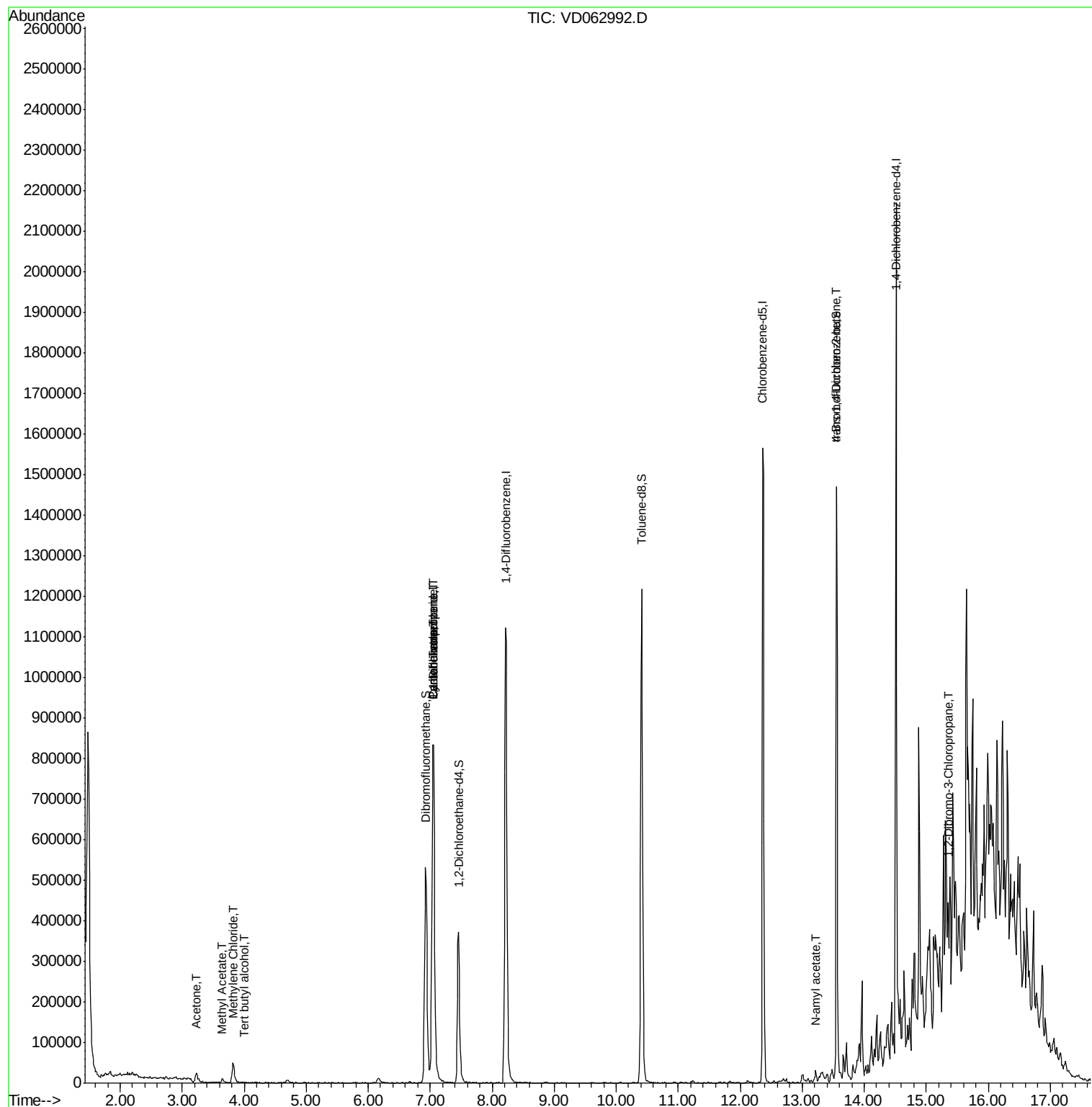
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	540	1.256	ug/l #	77
16) Acetone	3.23	43	44065	16.491	ug/l #	84
18) Methyl Acetate	3.65	43	13806	4.846	ug/l	96
20) Methylene Chloride	3.82	84	28258	3.926	ug/l	91
31) Cyclohexane	7.05	56	19056	2.150	ug/l #	11
36) 1,1-Dichloropropene	7.06	75	63313	5.393	ug/l #	55
37) Ethyl Acetate	6.22	43	457	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	83345	4.720	ug/l #	14
74) N-amyl acetate	13.22	43	7271	1.166	ug/l #	54
81) trans-1,4-Dichloro-2-buten	13.55	75	177609	146.614	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	15.35	75	1005	1.231	ug/l #	39

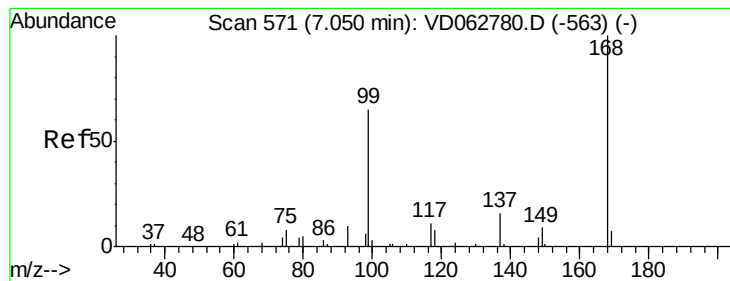
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062992.D
Acq On : 1 Jul 2019 16:08
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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: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

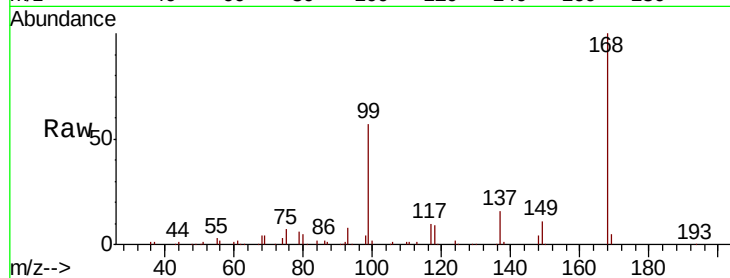
ClientSampleId :

Tot Ion:168 Resp: 868209

Ion Ratio Lower Upper

168 100

99 57.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

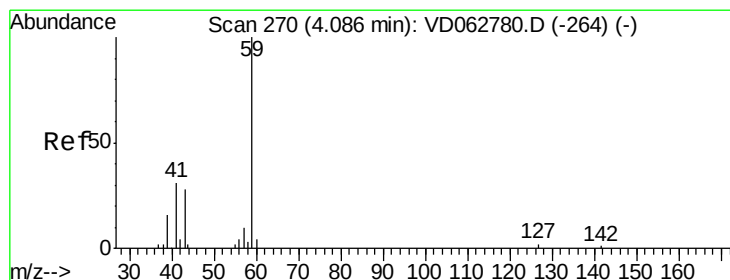
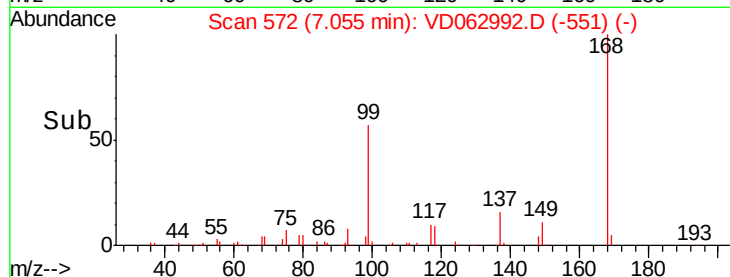
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.256 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.10 min

Lab File: VD062992.D

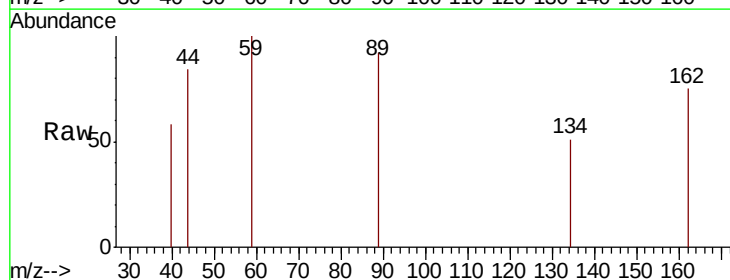
Acq: 1 Jul 2019 16:08

Tgt Ion: 59 Resp: 540

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

3.98

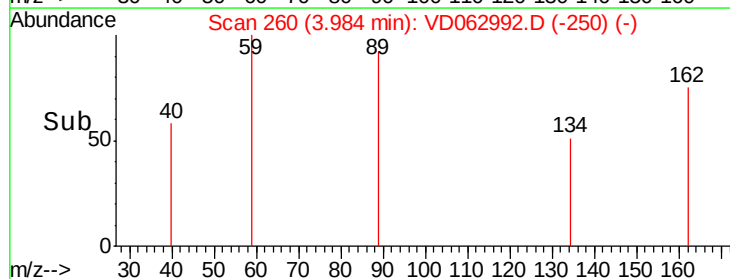
600

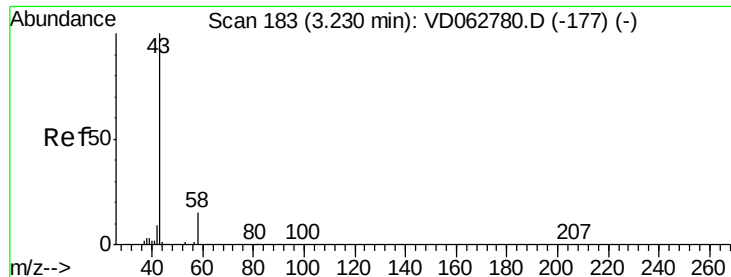
400

200

0

Time-->





#16

Acetone

Concen: 16.491 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

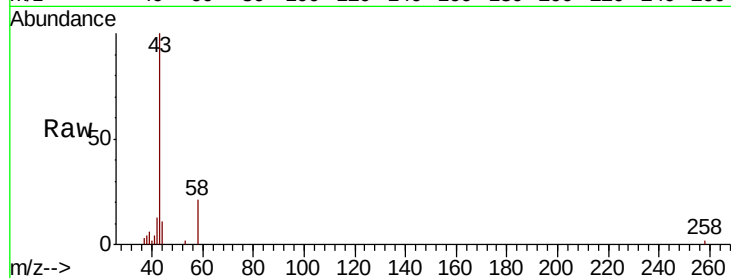
ClientSampleId :

Tot Ion: 43 Resp: 44065

Ion Ratio Lower Upper

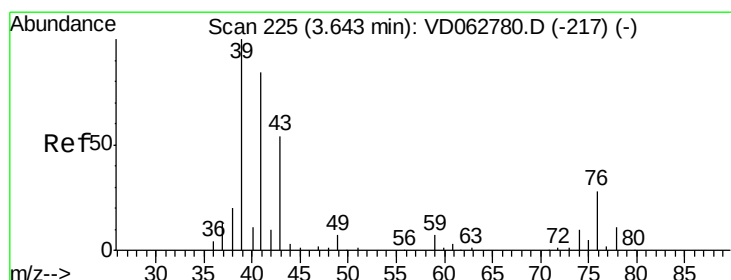
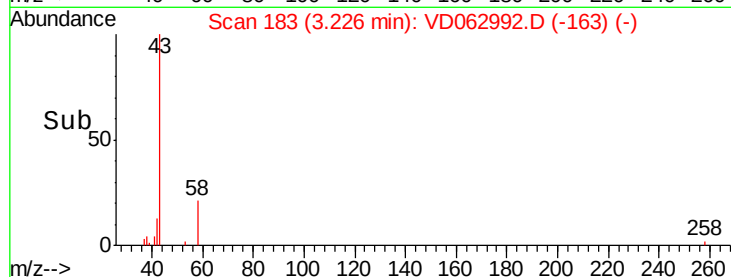
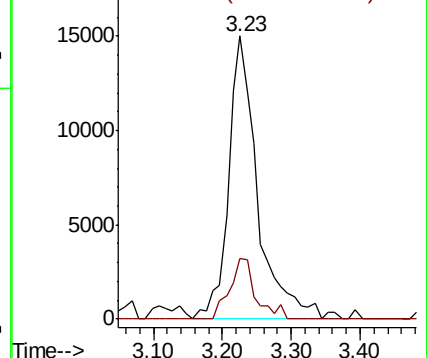
43 100

58 21.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 4.846 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062992.D

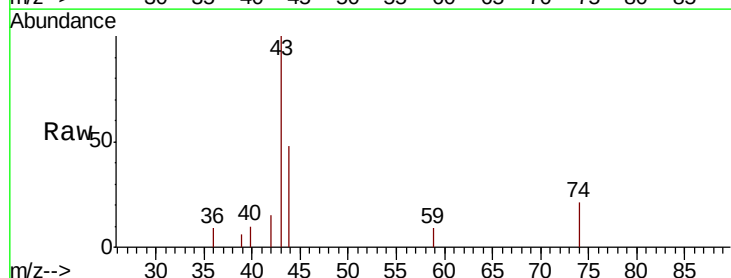
Acq: 1 Jul 2019 16:08

Tgt Ion: 43 Resp: 13806

Ion Ratio Lower Upper

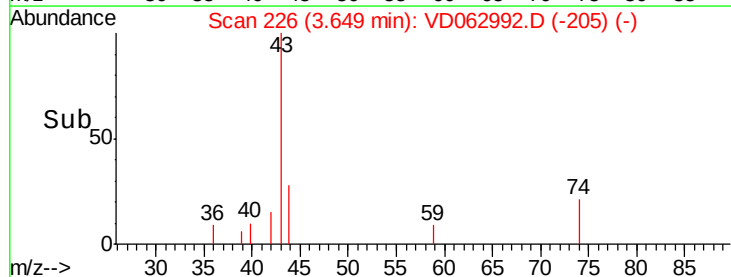
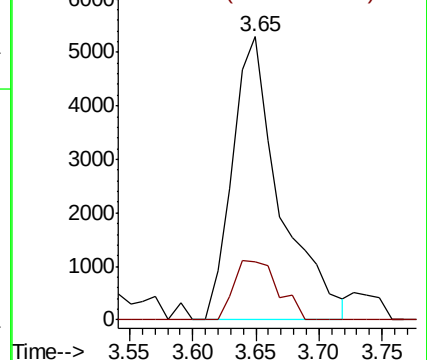
43 100

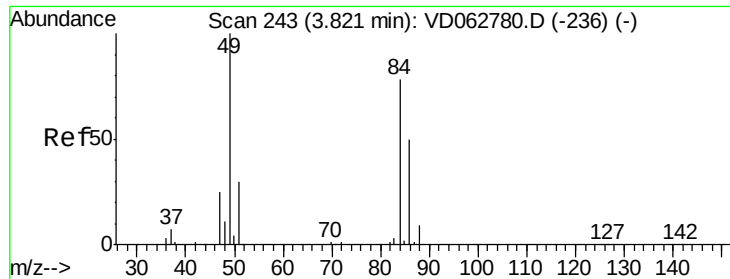
74 20.7 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

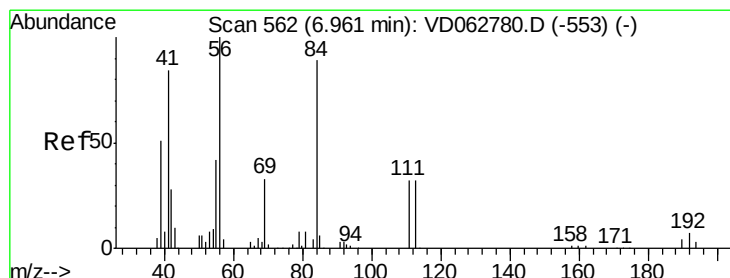
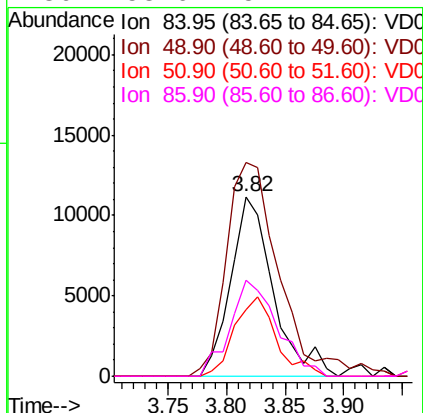
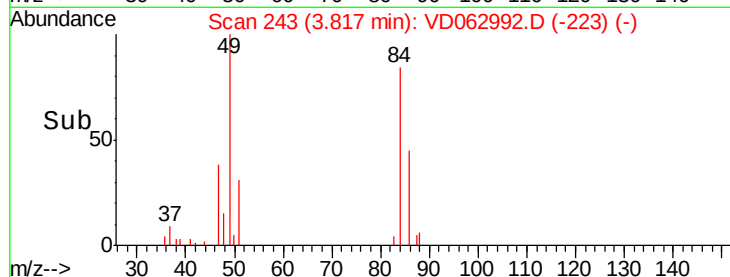
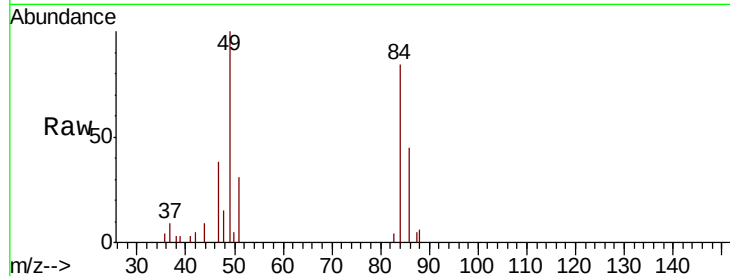




#20
Methylene Chloride
Concen: 3.926 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

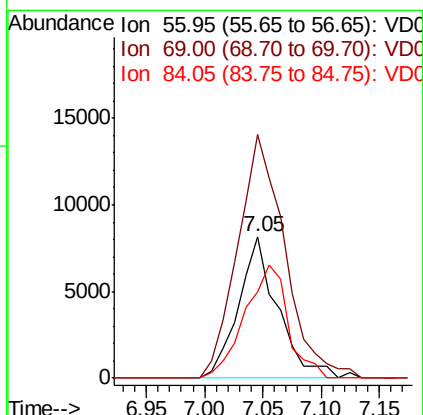
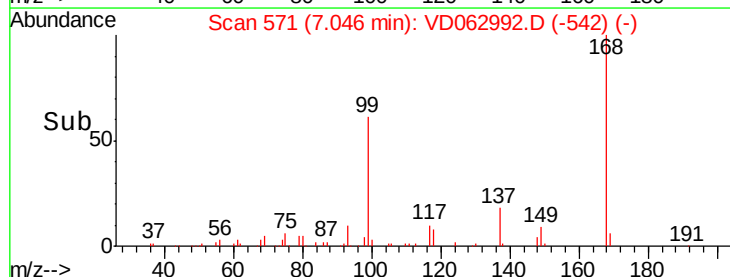
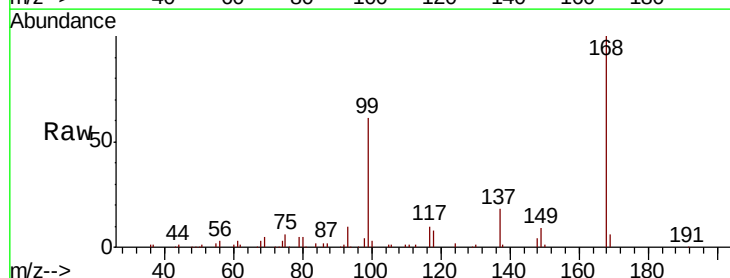
Instrument :
MSVOA_D
ClientSampleId :

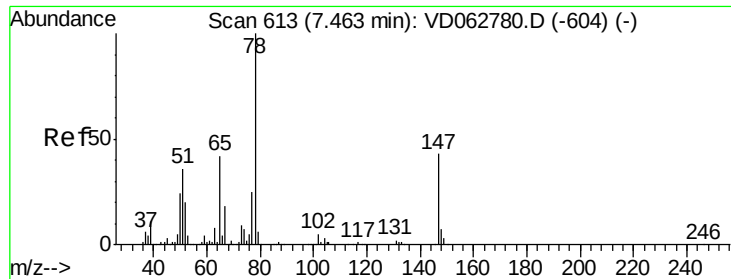
Tot Ion: 84 Resp: 28258
Ion Ratio Lower Upper
84 100
49 118.8 102.9 154.3
51 37.1 31.2 46.8
86 53.6 51.4 77.2



#31
Cyclohexane
Concen: 2.150 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

Tgt Ion: 56 Resp: 19056
Ion Ratio Lower Upper
56 100
69 172.1 26.6 39.8#
84 61.0 75.5 113.3#

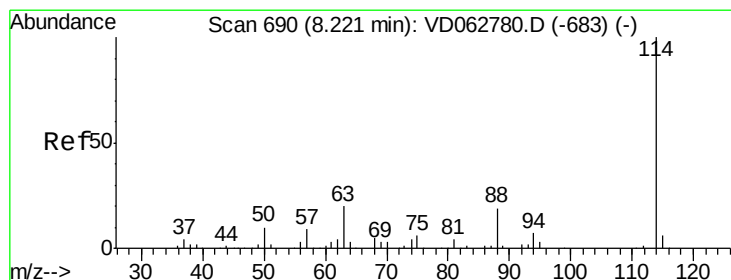
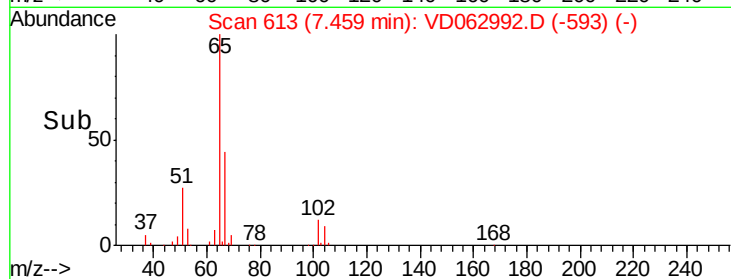
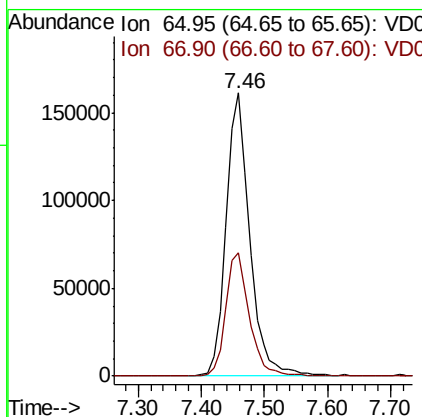
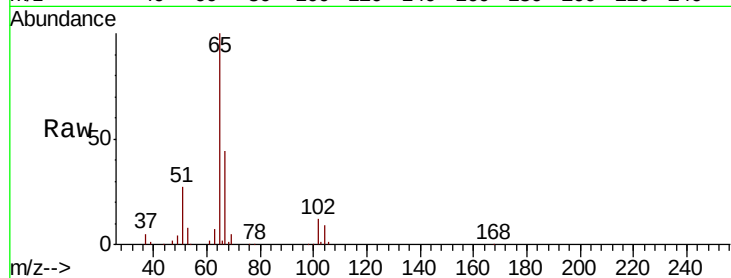




#33
 1,2-Dichloroethane-d4
 Concen: 44.254 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062992.D
 Acq: 1 Jul 2019 16:08

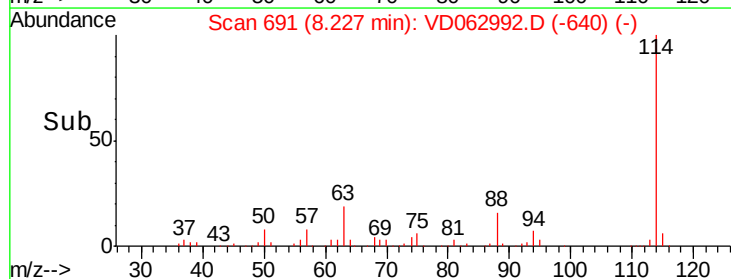
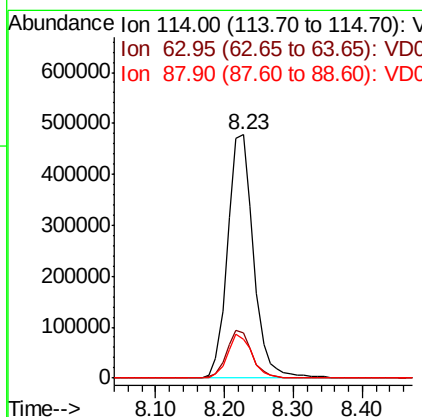
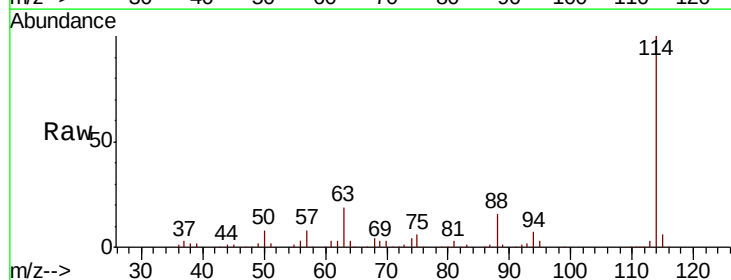
Instrument :
 MSVOA_D
 ClientSampleId :

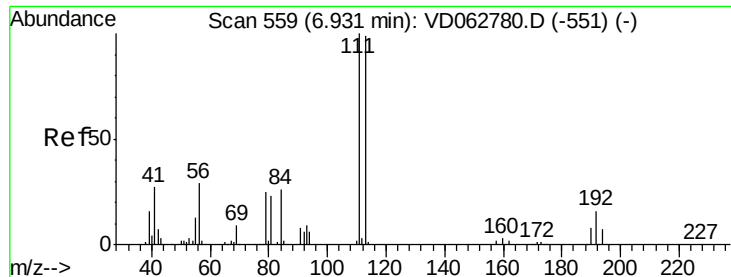
Tot Ion: 65 Resp: 417640
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062992.D
 Acq: 1 Jul 2019 16:08

Tgt Ion: 114 Resp: 1240166
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.0
 88 16.1 0.0 38.8

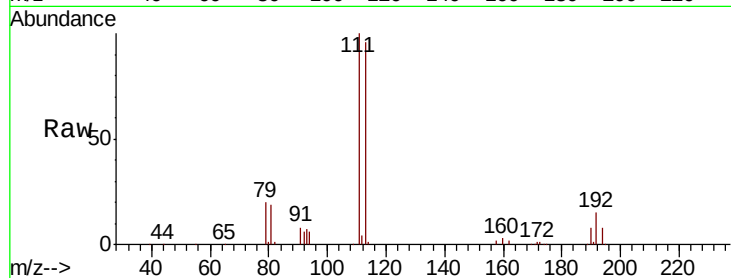




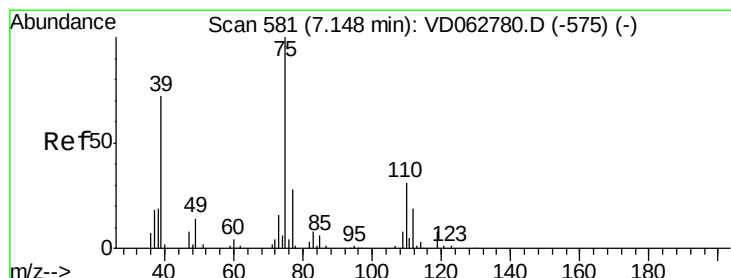
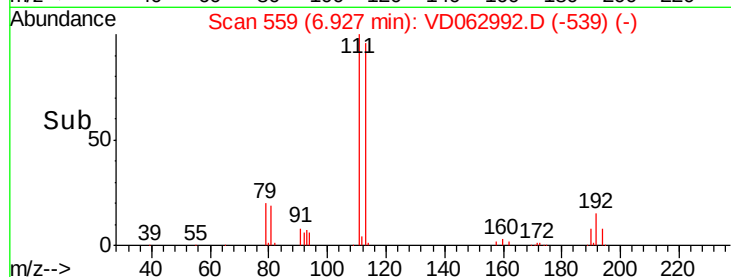
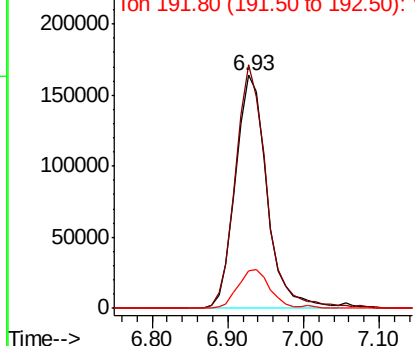
#35
 Dibromofluoromethane
 Concen: 45.206 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062992.D
 Acq: 1 Jul 2019 16:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 472721
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.2 121.8
 192 16.1 12.9 19.3

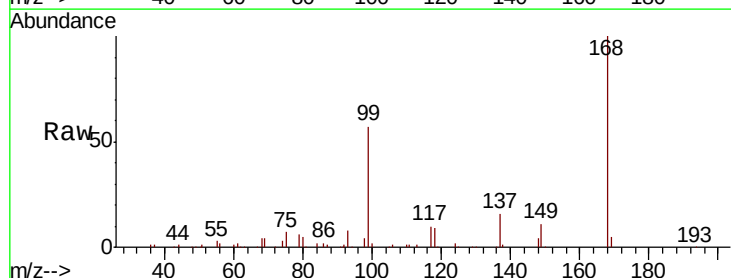


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

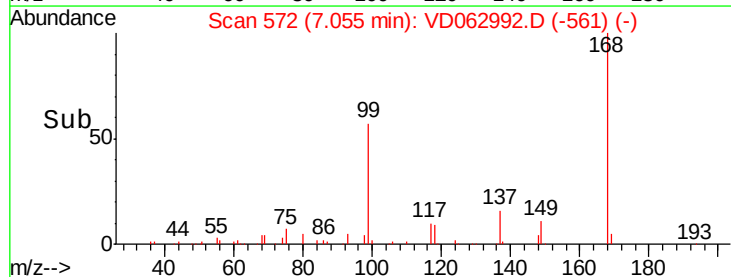
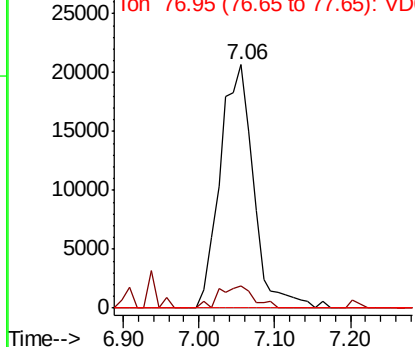


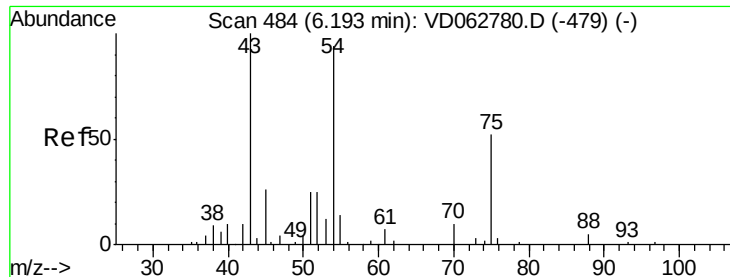
#36
 1,1-Dichloropropene
 Concen: 5.393 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062992.D
 Acq: 1 Jul 2019 16:08

Tgt Ion: 75 Resp: 63313
 Ion Ratio Lower Upper
 75 100
 110 9.2 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

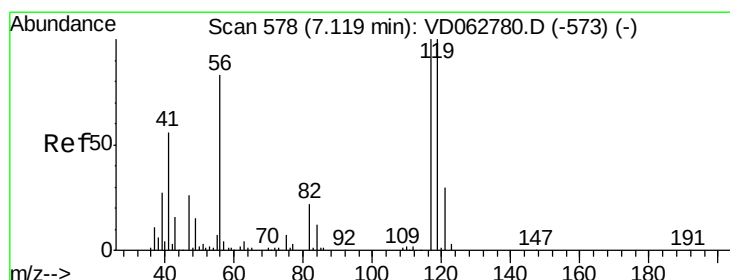
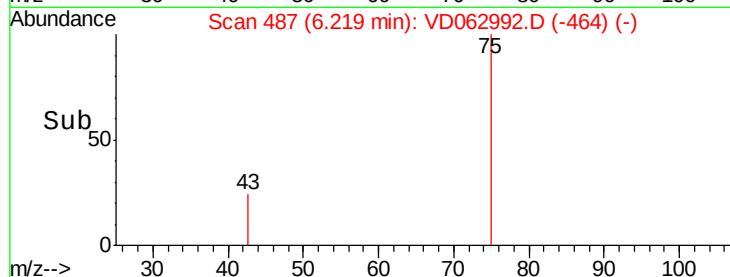
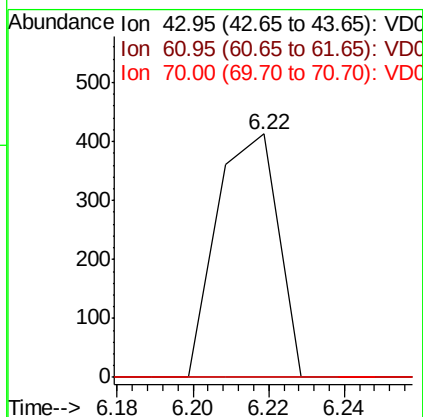
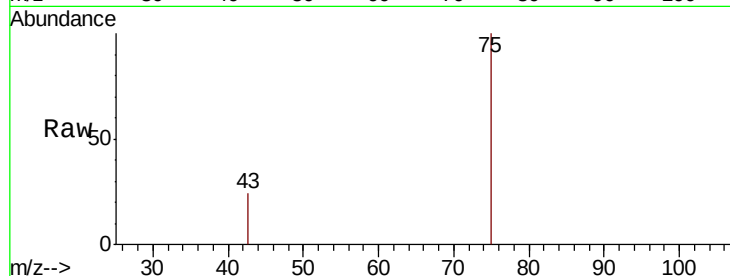




#37
Ethyl Acetate
Concen: Below Cal
RT: 6.22 min Scan# 487
Delta R.T. 0.03 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

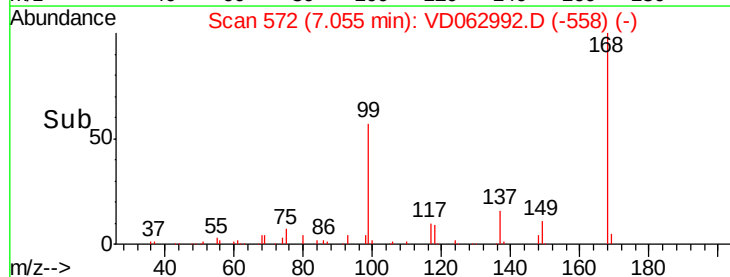
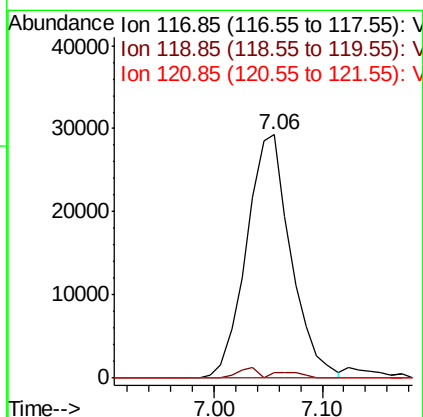
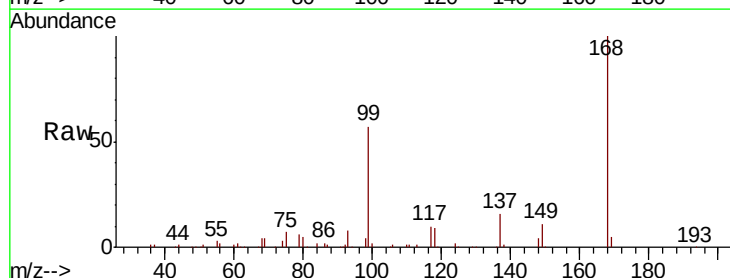
Instrument :
MSVOA_D
ClientSampled :

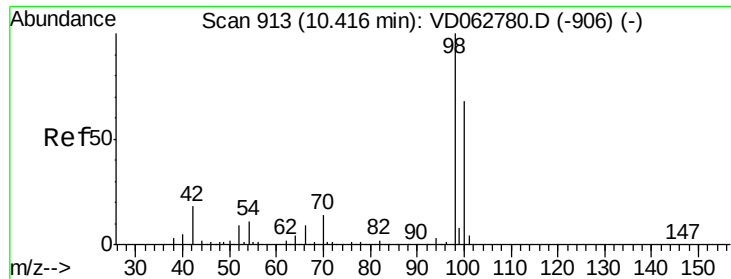
Tot Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 4.720 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

Tgt Ion: 117 Resp: 83345
Ion Ratio Lower Upper
117 100
119 2.0 75.4 113.2#
121 0.0 22.3 33.5#

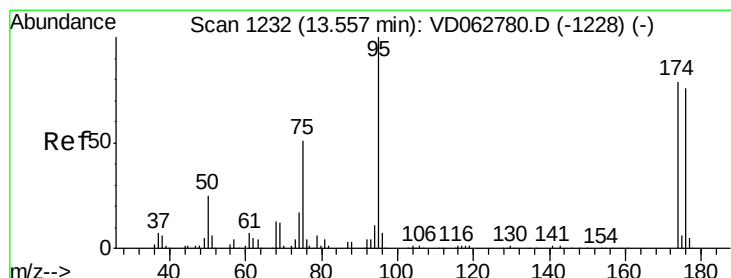
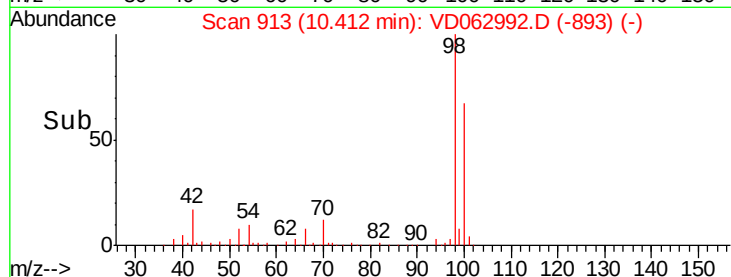
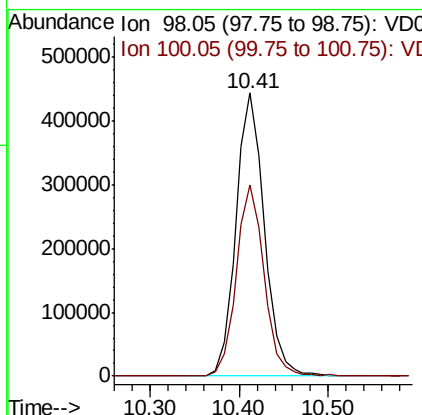
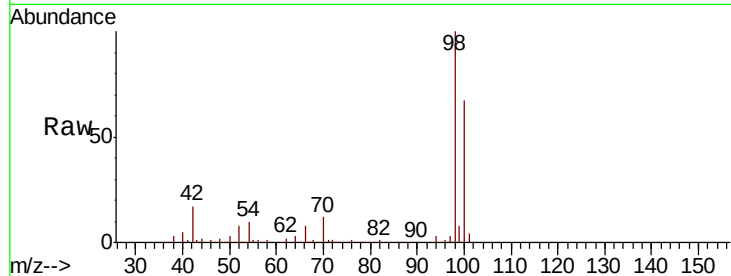




#50
Toluene-d8
Concen: 43.121 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

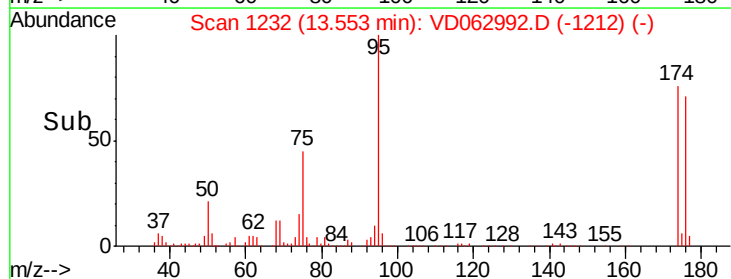
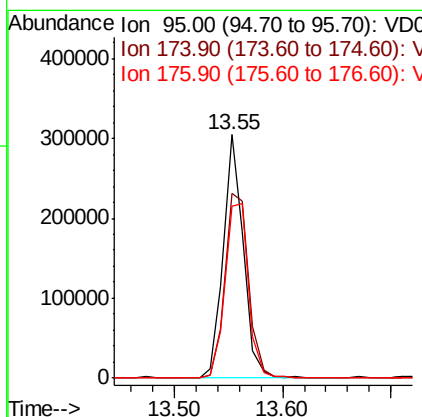
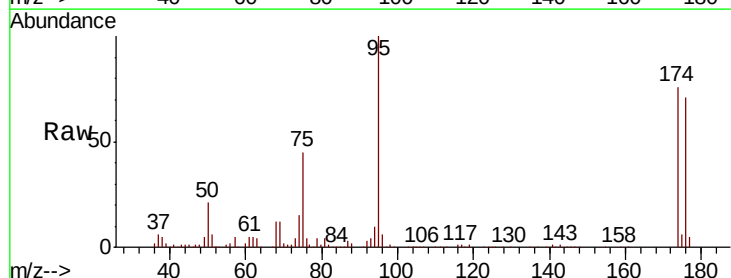
Instrument :
MSVOA_D
ClientSampled :

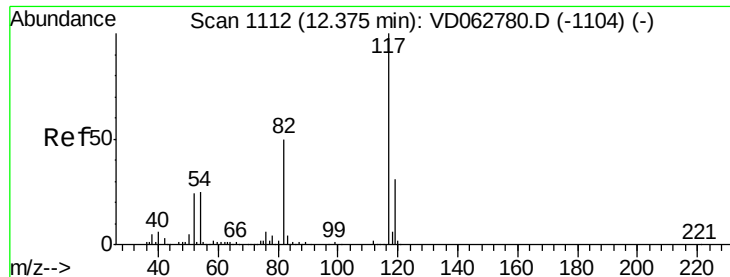
Tot Ion: 98 Resp: 981410
Ion Ratio Lower Upper
98 100
100 67.4 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 37.858 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

Tgt Ion: 95 Resp: 391789
Ion Ratio Lower Upper
95 100
174 75.9 0.0 158.0
176 70.8 0.0 151.6

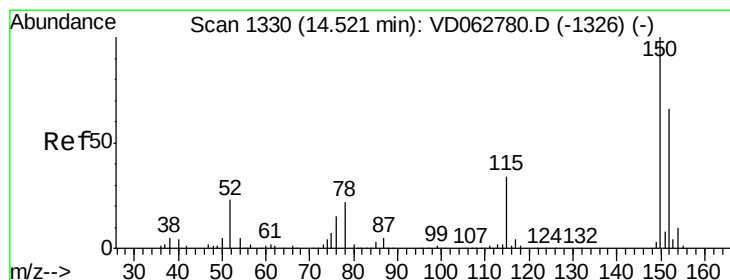
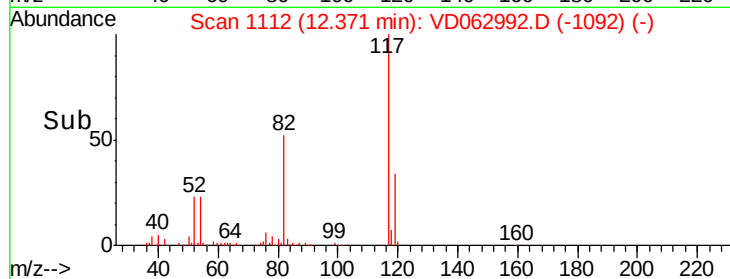
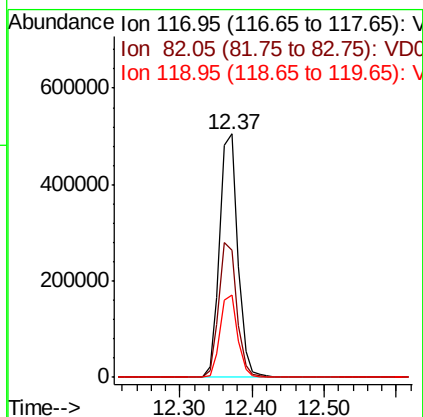
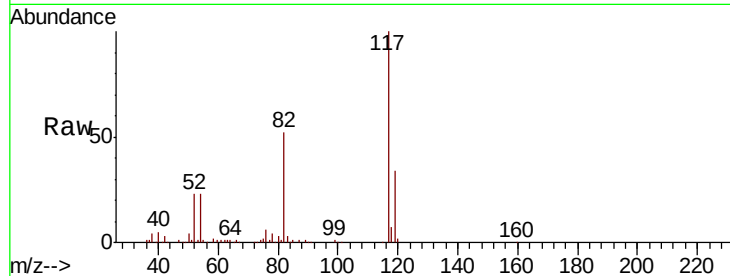




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

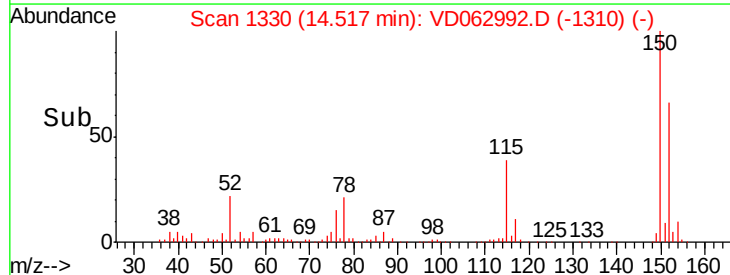
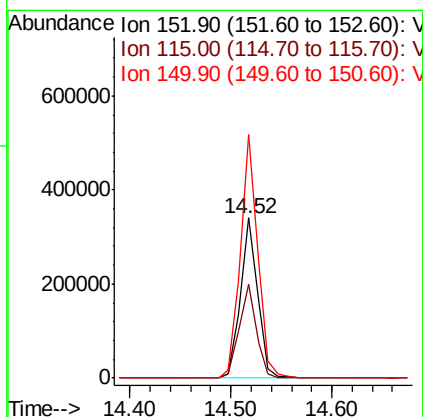
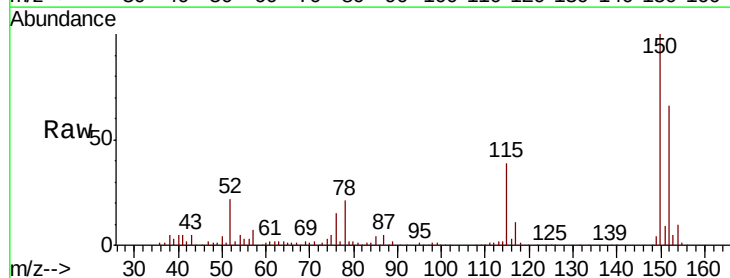
Instrument :
MSVOA_D
ClientSampleId :

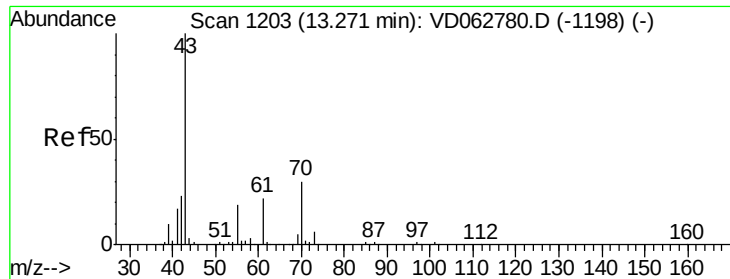
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	40.4	60.6
119	33.7	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062992.D
Acq: 1 Jul 2019 16:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.2	87.6
150	152.3	0.0	305.8





#74

N-amvl acetate

Concen: 1.166 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.05 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 7271

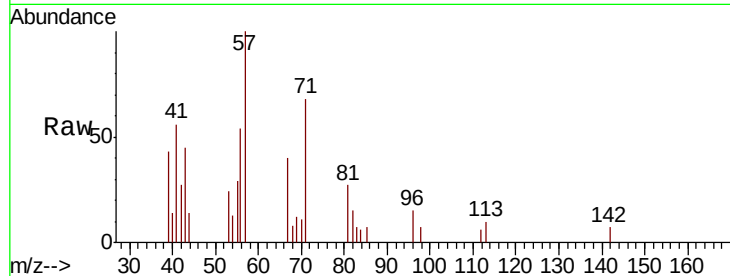
Ion Ratio Lower Upper

43 100

70 23.9 24.4 36.6#

55 65.0 15.2 22.8#

61 0.0 17.4 26.2#

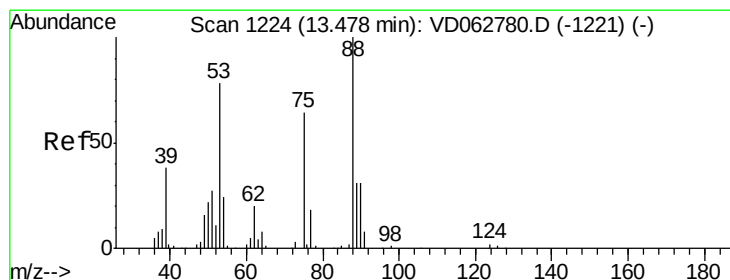
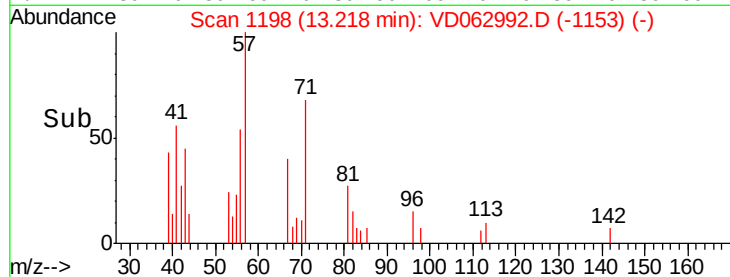
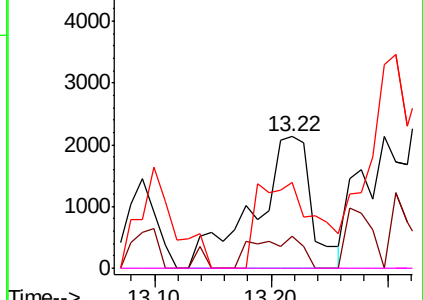


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 146.614 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

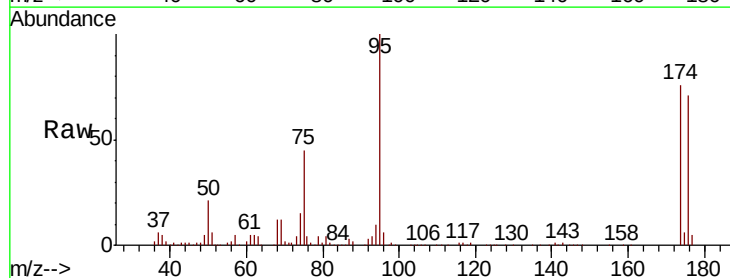
Tgt Ion: 75 Resp: 177609

Ion Ratio Lower Upper

75 100

53 0.2 97.8 146.8#

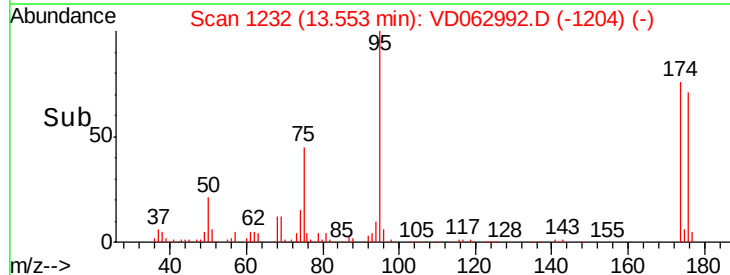
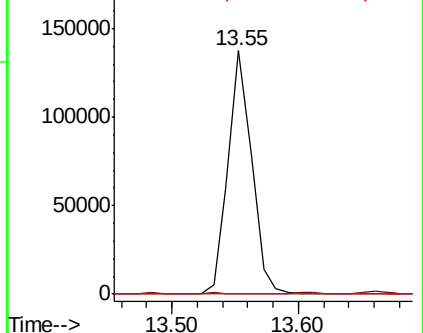
89 0.0 39.4 59.2#

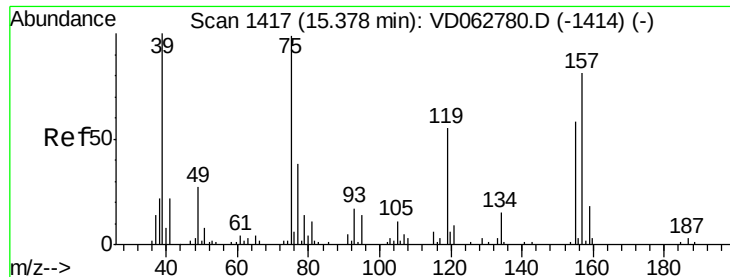


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.231 ug/l

RT: 15.35 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VD062992.D

Acq: 1 Jul 2019 16:08

Instrument :

MSVOA_D

ClientSampleId :

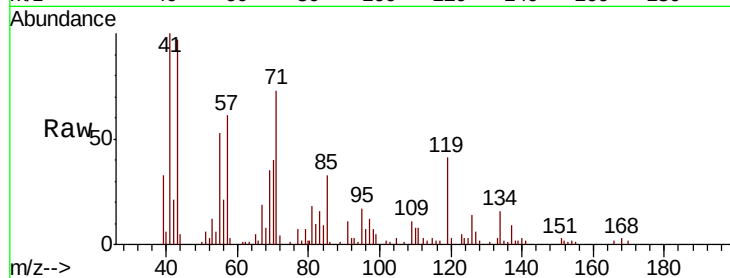
Tot Ion: 75 Resp: 1005

Ion Ratio Lower Upper

75 100

155 71.8 29.3 87.8

157 0.0 41.3 123.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

