

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063282.D
 Acq On : 31 Jul 2019 16:42
 Operator : VA/AP
 Sample : K4107-04RE
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T-2A

Quant Time: Aug 01 04:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	875193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1175068	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	975472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	431682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	318610	32.81	ug/l	0.00
Spiked Amount			Recovery	=	65.62%	
35) Dibromofluoromethane	6.91	113	332586	33.15	ug/l	0.00
Spiked Amount			Recovery	=	66.30%	
50) Toluene-d8	10.40	98	699882	31.17	ug/l	0.00
Spiked Amount			Recovery	=	62.34%	
62) 4-Bromofluorobenzene	13.55	95	309105	30.21	ug/l	0.00
Spiked Amount			Recovery	=	60.42%	

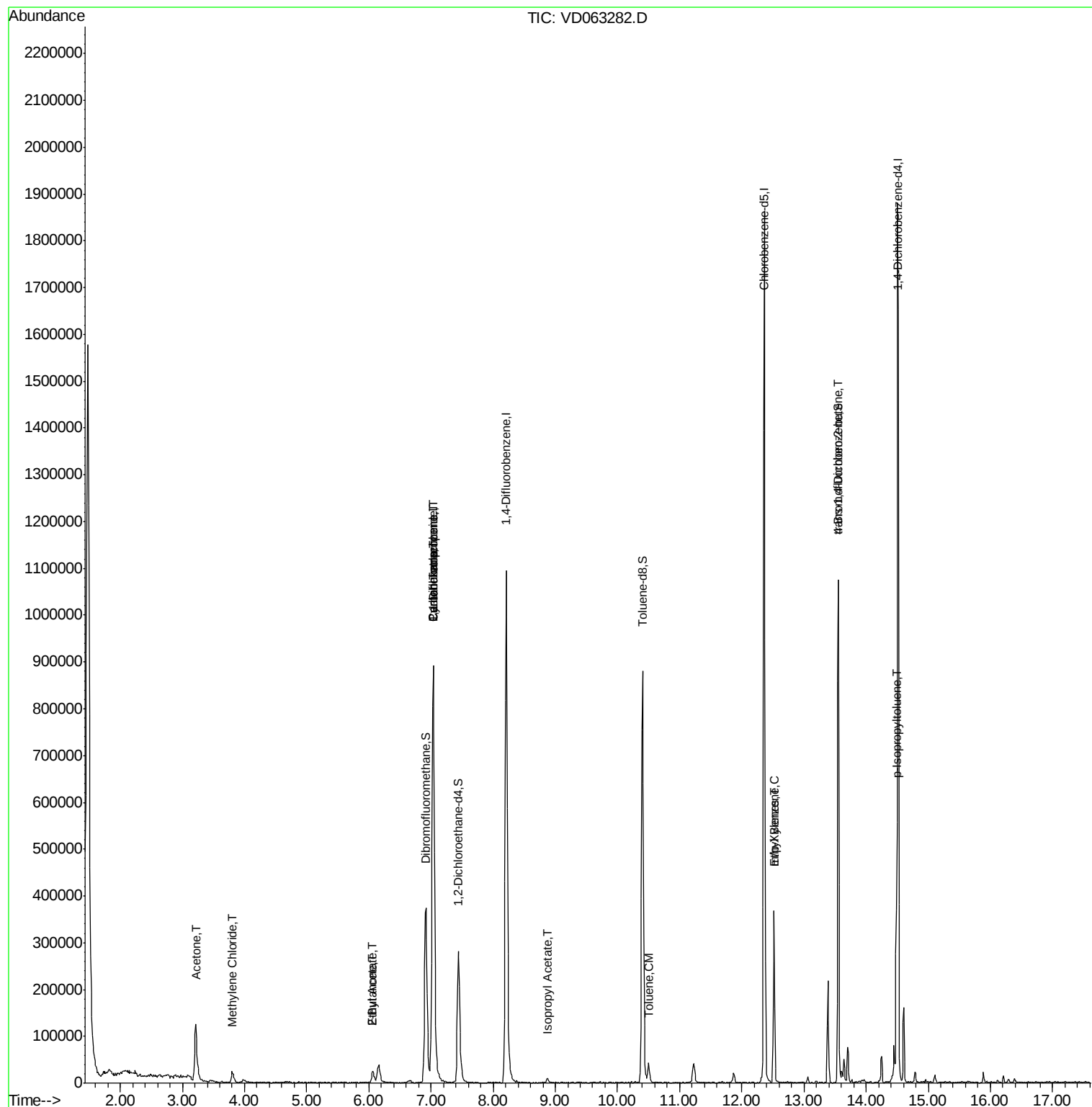
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	227521	120.248	ug/l	99
20) Methylene Chloride	3.80	84	15116	1.976	ug/l #	86
25) 2-Butanone	6.06	43	47727	25.134	ug/l	93
31) Cyclohexane	7.04	56	19159	2.215	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	70095	6.536	ug/l #	52
37) Ethyl Acetate	6.06	43	47727	9.906	ug/l #	70
38) Carbon Tetrachloride	7.04	117	86108	5.334	ug/l #	15
43) Isopropyl Acetate	8.88	43	14285	2.321	ug/l #	49
52) Toluene	10.50	92	18250	1.221	ug/l	89
67) Ethyl Benzene	12.52	91	227379	7.134	ug/l	98
68) m/p-Xylenes	12.52	106	62538	5.350	ug/l #	6
81) trans-1,4-Dichloro-2-buten	13.55	75	138005	95.851	ug/l #	3
86) p-Isopropyltoluene	14.49	119	170896	6.369	ug/l	94

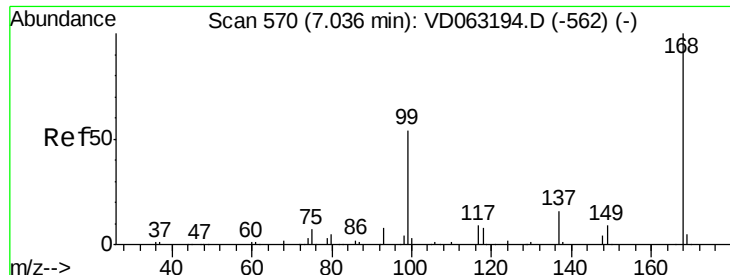
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073119\
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063282.D

Acq: 31 Jul 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

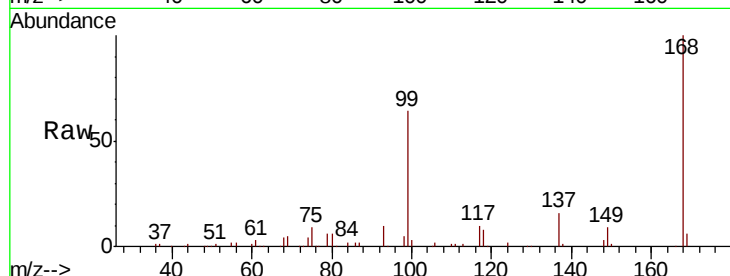
T-2A

Tot Ion:168 Resp: 875193

Ion Ratio Lower Upper

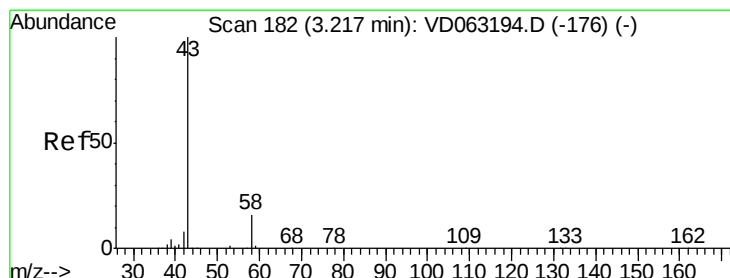
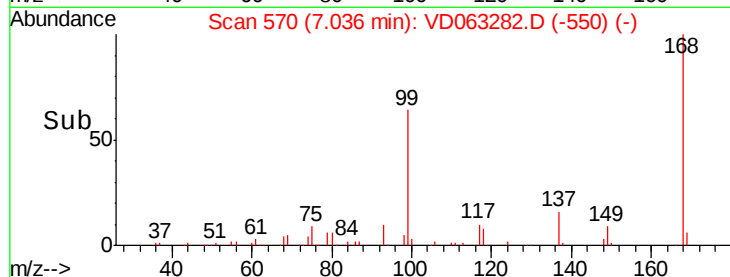
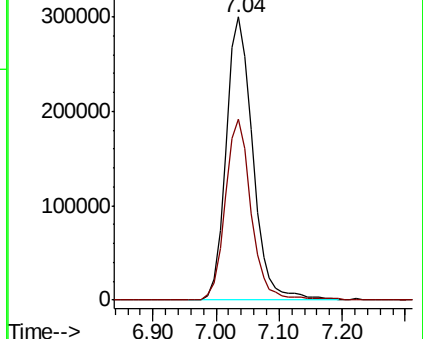
168 100

99 64.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 120.248 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063282.D

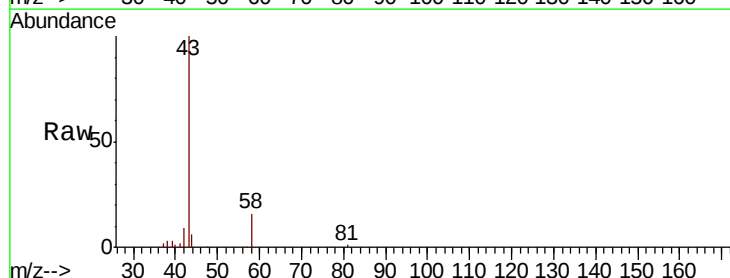
Acq: 31 Jul 2019 16:42

Tgt Ion: 43 Resp: 227521

Ion Ratio Lower Upper

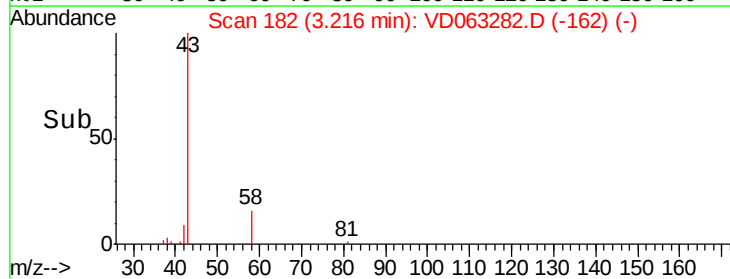
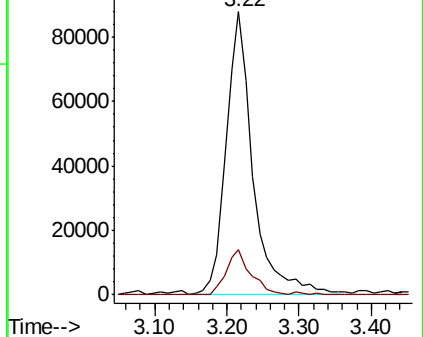
43 100

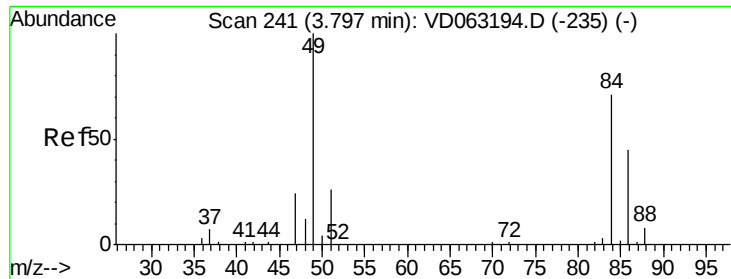
58 15.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

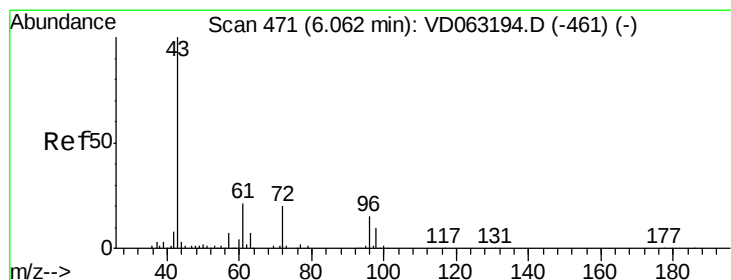
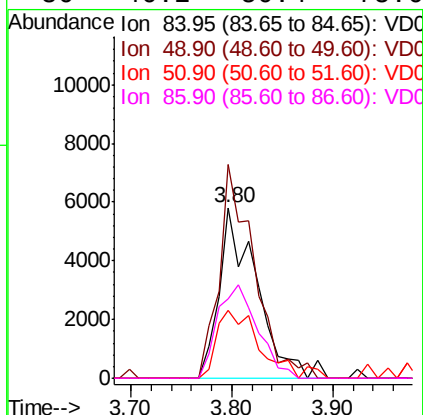
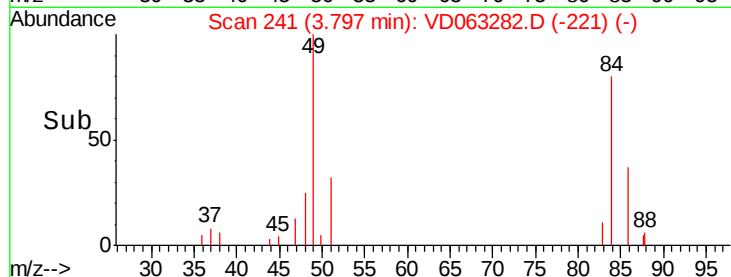
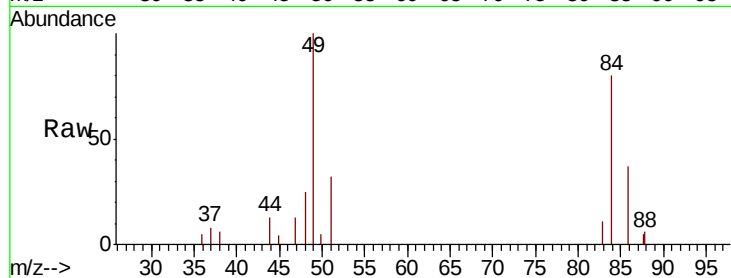




#20
Methylene Chloride
Concen: 1.976 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

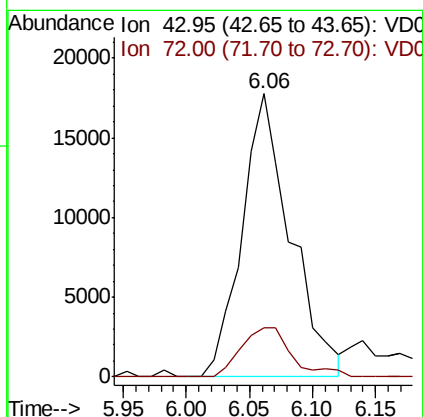
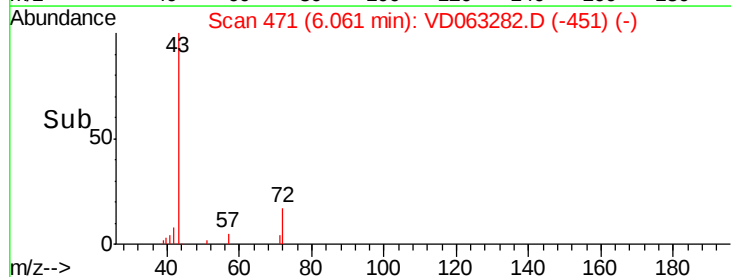
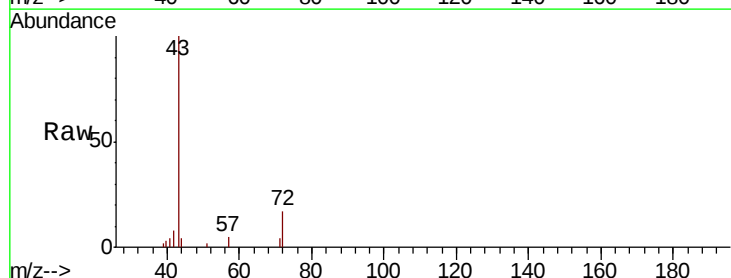
Instrument :
MSVOA_D
ClientSampleId :
T-2A

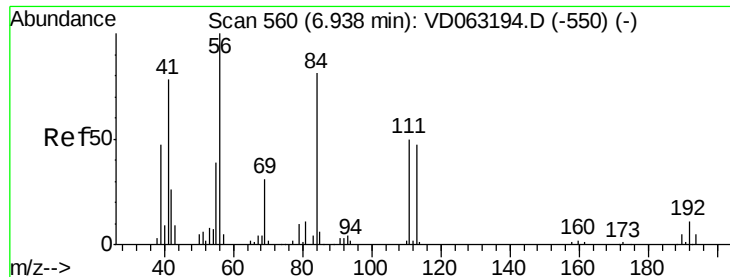
Tot Ion: 84 Resp: 15116
Ion Ratio Lower Upper
84 100
49 125.1 112.5 168.7
51 40.1 29.6 44.4
86 46.2 50.4 75.6#



#25
2-Butanone
Concen: 25.134 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

Tgt Ion: 43 Resp: 47727
Ion Ratio Lower Upper
43 100
72 17.3 16.3 24.5

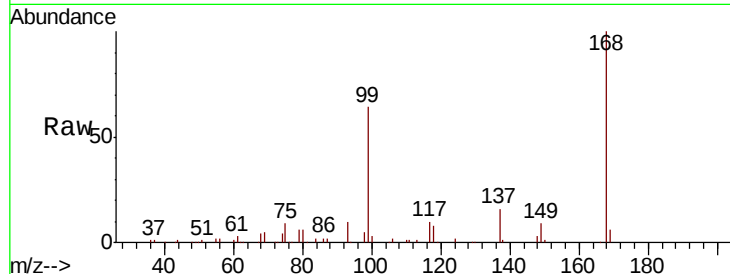




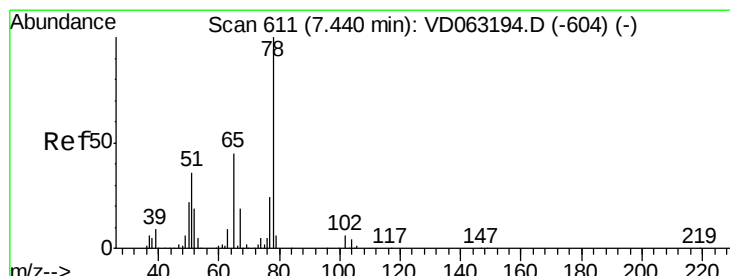
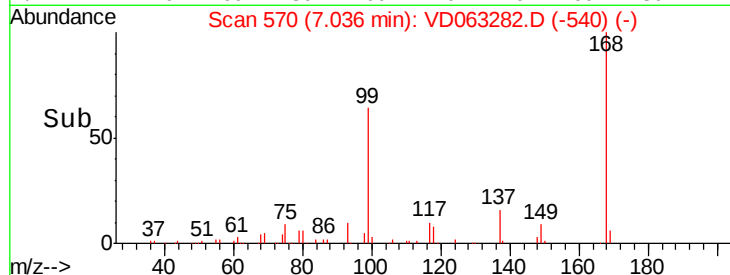
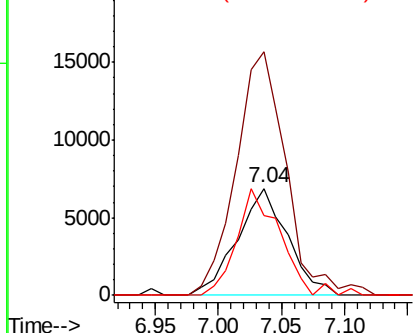
#31
Cyclohexane
Concen: 2.215 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

Instrument :
MSVOA_D
ClientSampleID :
T-2A

Tot Ion: 56 Resp: 19159
Ion Ratio Lower Upper
56 100
69 227.1 24.5 36.7#
84 74.5 64.9 97.3

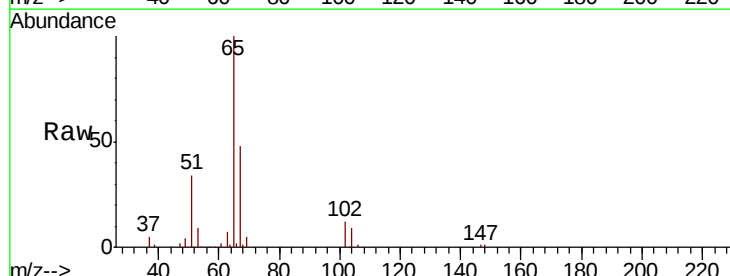


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

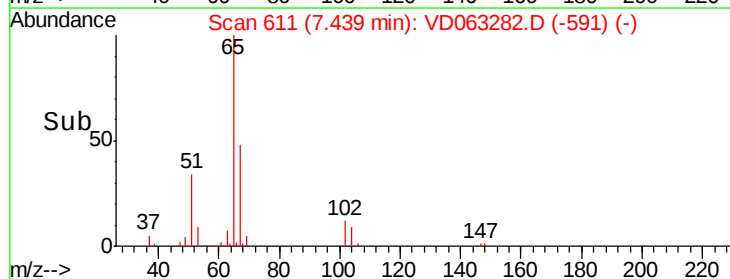
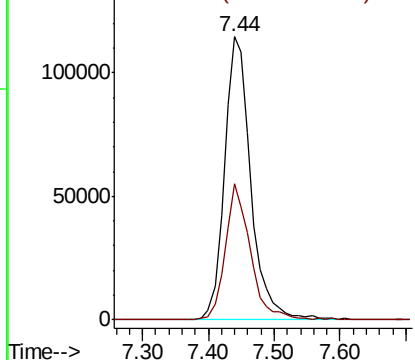


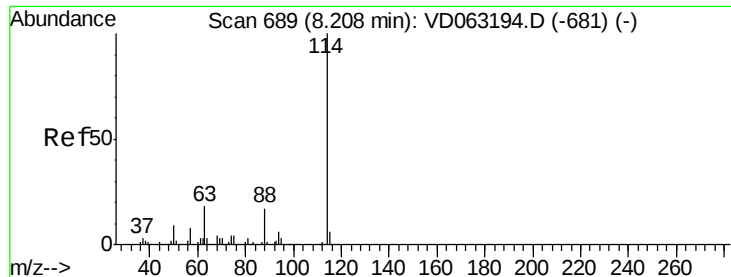
#33
1,2-Dichloroethane-d4
Concen: 32.809 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

Tgt Ion: 65 Resp: 318610
Ion Ratio Lower Upper
65 100
67 47.9 0.0 85.8



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: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD063282.D

Acq: 31 Jul 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

T-2A

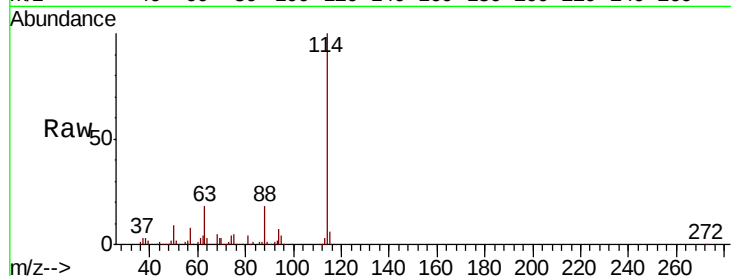
Tot Ion:114 Resp: 1175068

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.2

88 17.9 0.0 34.6



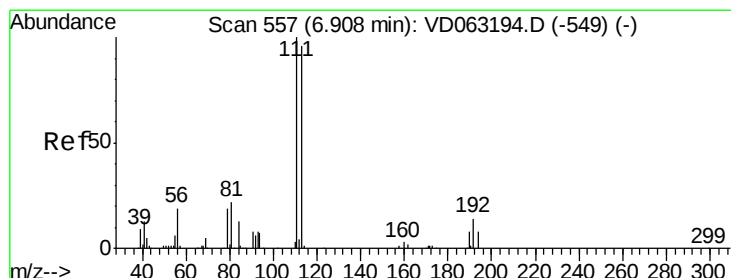
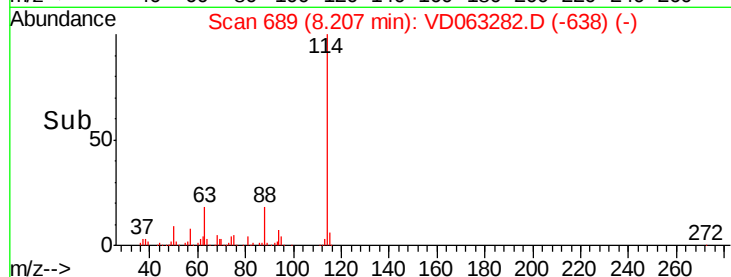
Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

8.21

Time-->



#35

Dibromofluoromethane

Concen: 33.151 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD063282.D

Acq: 31 Jul 2019 16:42

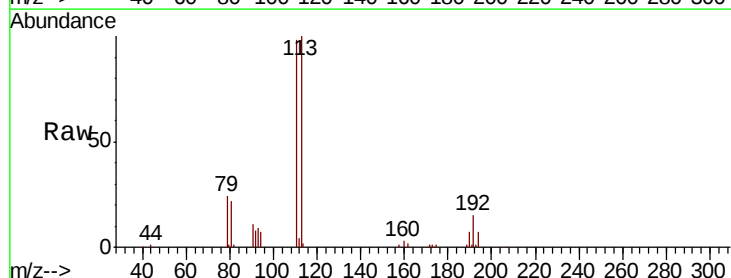
Tgt Ion:113 Resp: 332586

Ion Ratio Lower Upper

113 100

111 98.0 83.2 124.8

192 14.5 11.8 17.8



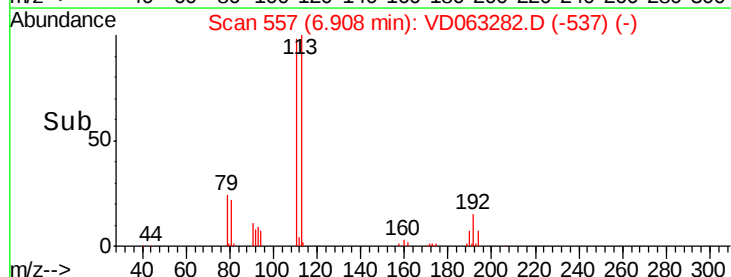
Abundance Ion 112.90 (112.60 to 113.60): V

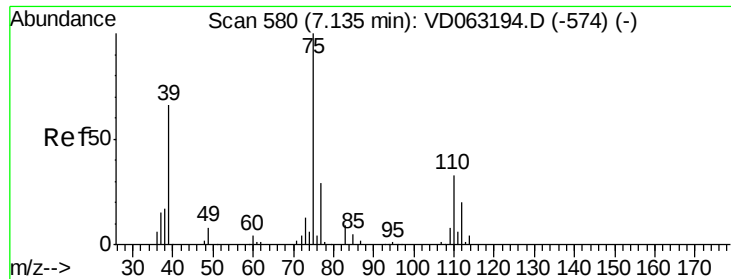
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.91

Time-->

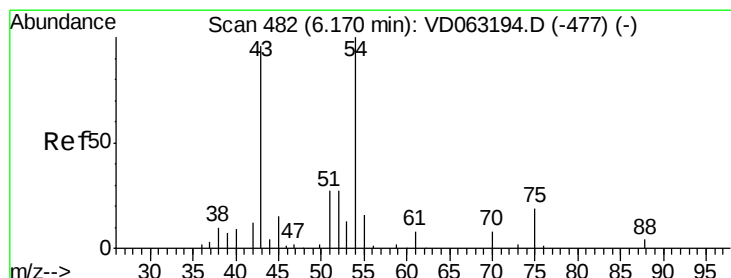
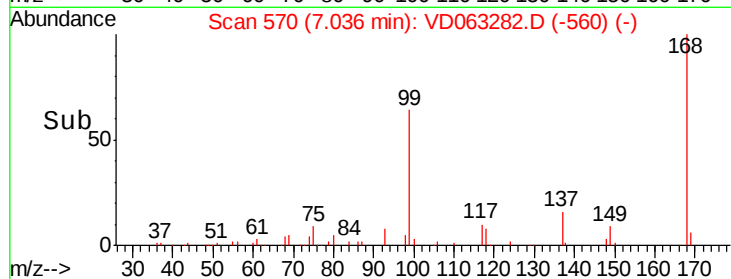
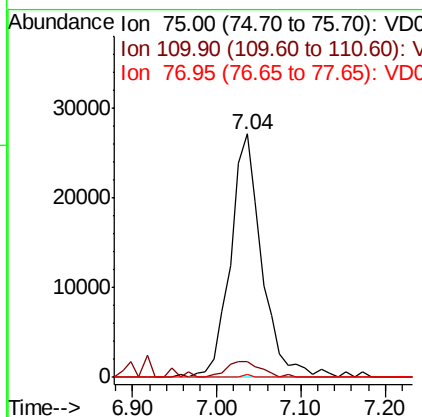
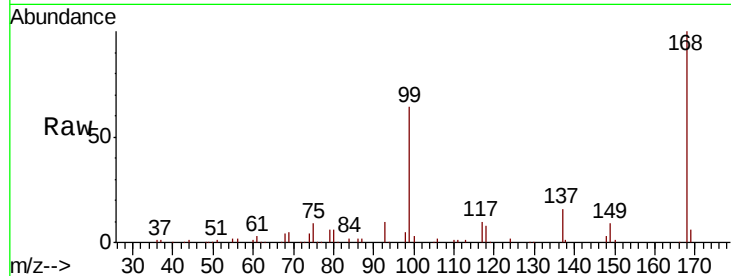




#36
 1,1-Dichloropropene
 Concen: 6.536 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD063282.D
 Acq: 31 Jul 2019 16:42

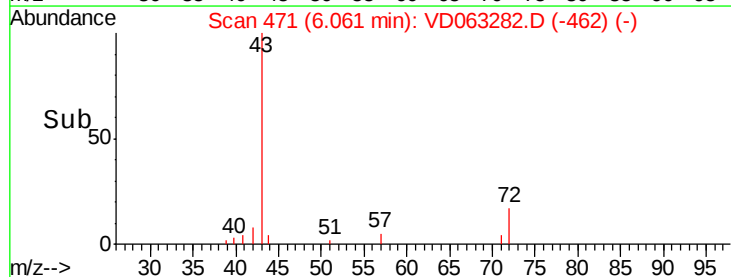
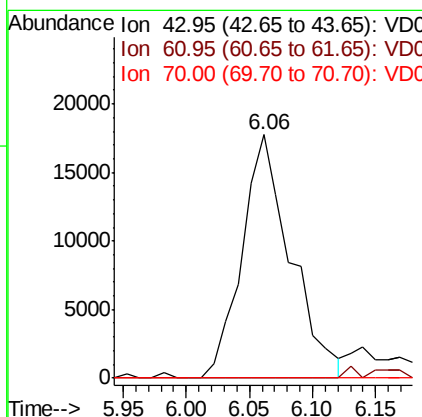
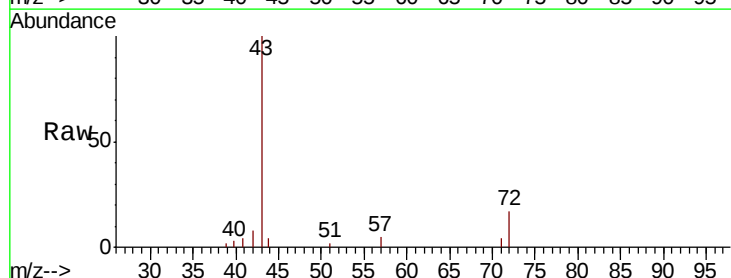
Instrument :
 MSVOA_D
 ClientSampleId :
 T-2A

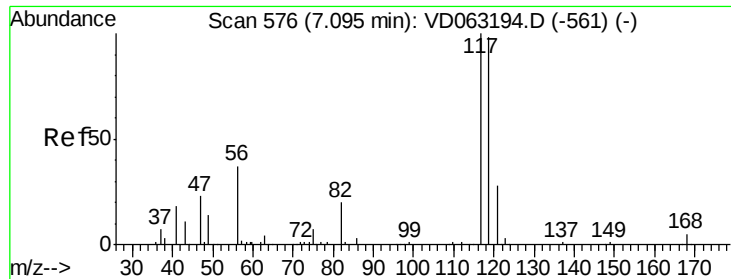
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.6	16.1	48.2#
77	1.2	22.7	34.1#



#37
 Ethyl Acetate
 Concen: 9.906 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.11 min
 Lab File: VD063282.D
 Acq: 31 Jul 2019 16:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	5.1	7.7#

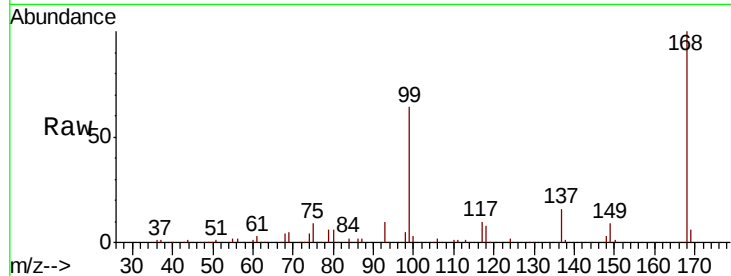




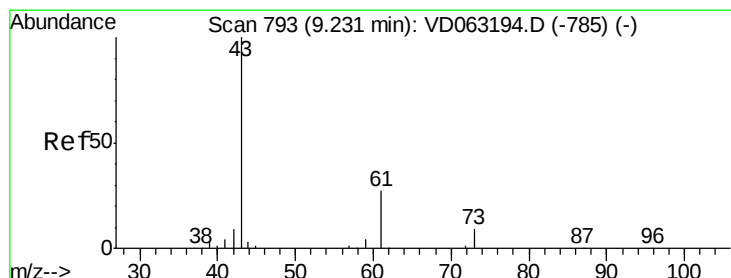
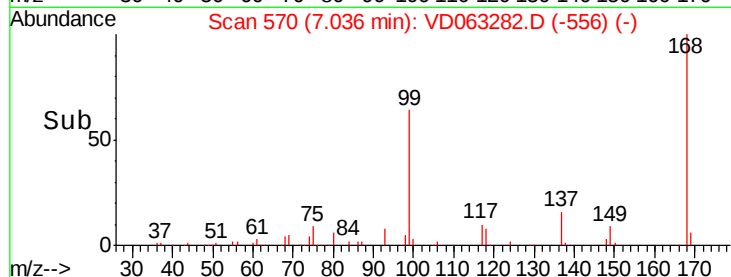
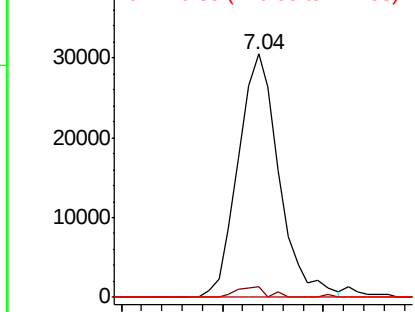
#38
Carbon Tetrachloride
Concen: 5.334 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

Instrument :
MSVOA_D
ClientSampled :
T-2A

Tot Ion:117 Resp: 86108
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 22.1 33.1#

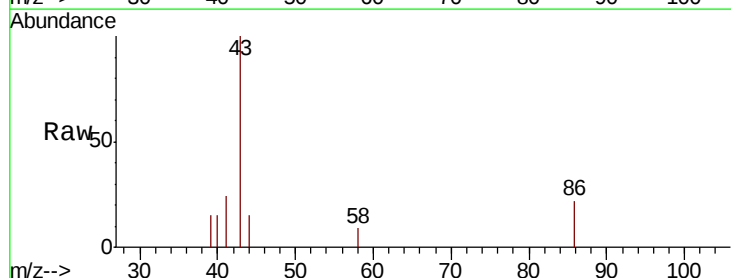


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

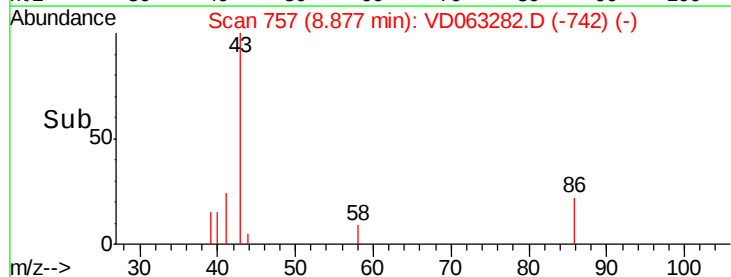
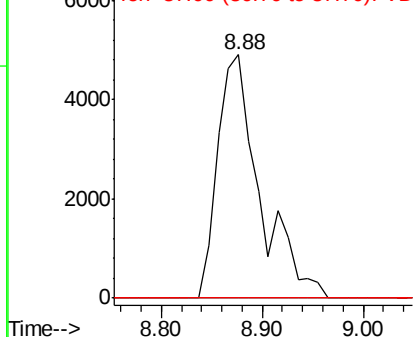


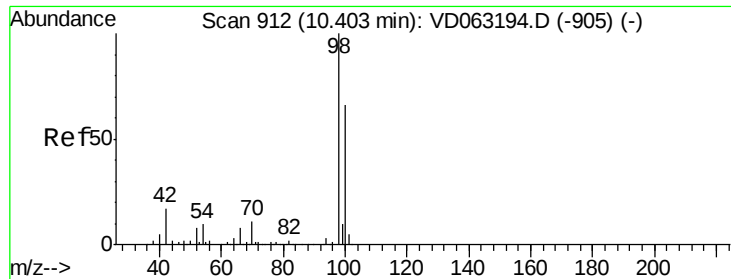
#43
Isopropyl Acetate
Concen: 2.321 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.35 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

Tgt Ion: 43 Resp: 14285
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

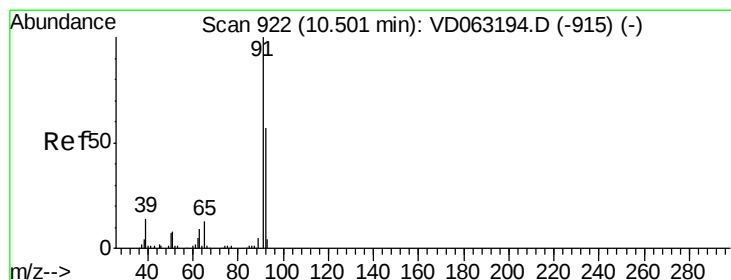
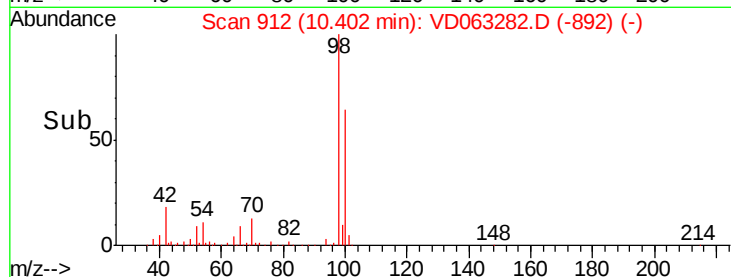
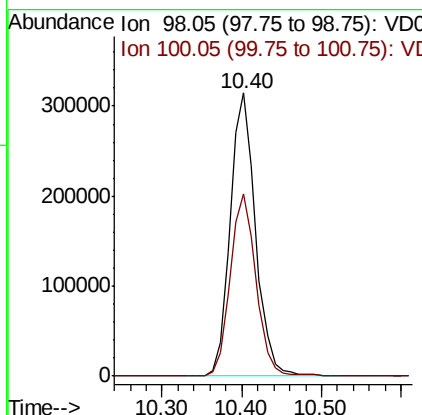
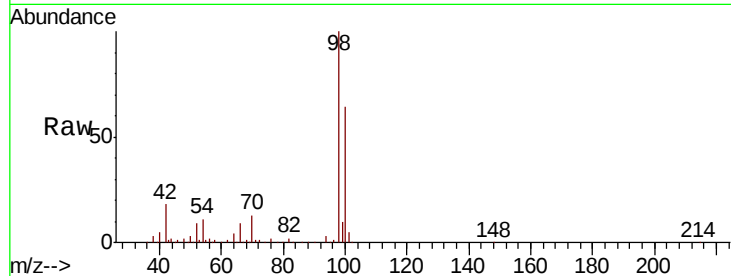




#50
Toluene-d8
Concen: 31.171 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

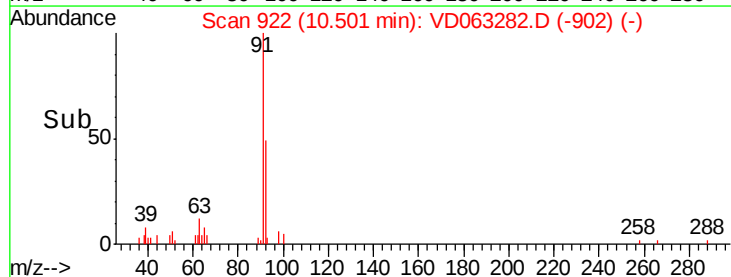
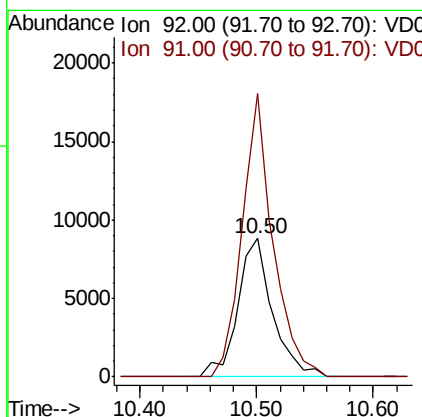
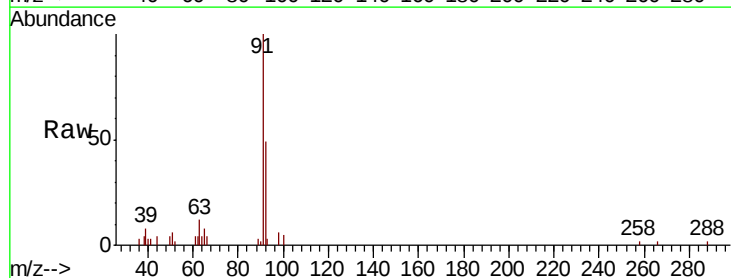
Instrument :
MSVOA_D
ClientSampleId :
T-2A

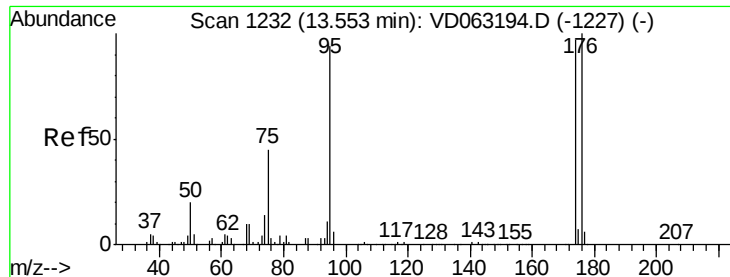
Tot Ion: 98 Resp: 699882
Ion Ratio Lower Upper
98 100
100 64.5 53.2 79.8



#52
Toluene
Concen: 1.221 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

Tgt Ion: 92 Resp: 18250
Ion Ratio Lower Upper
92 100
91 191.9 140.8 211.2





#62

4-Bromofluorobenzene

Concen: 30.211 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063282.D

Acq: 31 Jul 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

T-2A

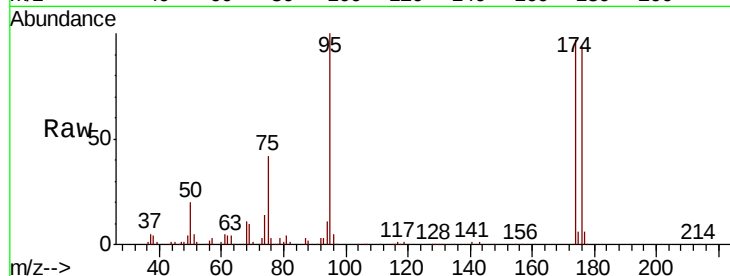
Tot Ion: 95 Resp: 309105

Ion Ratio Lower Upper

95 100

174 96.6 0.0 205.4

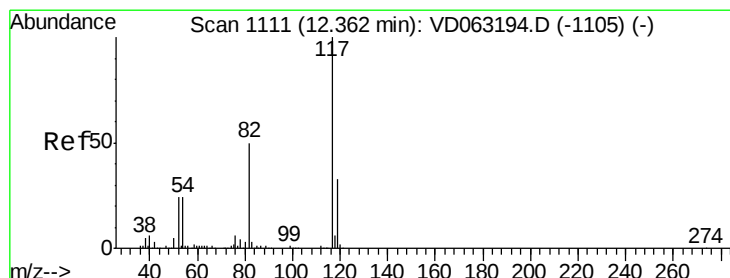
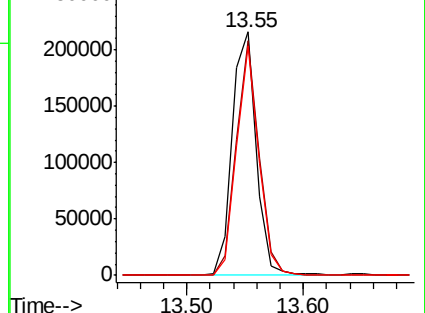
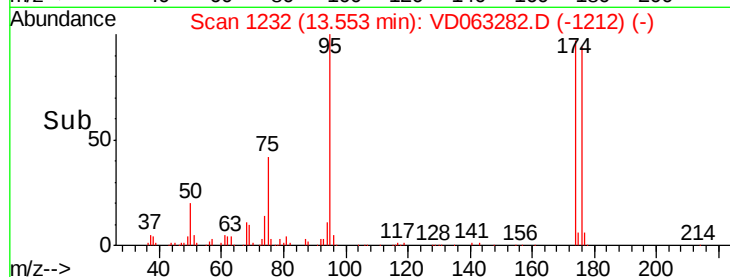
176 94.4 0.0 211.8



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# 1111

Delta R.T. -0.00 min

Lab File: VD063282.D

Acq: 31 Jul 2019 16:42

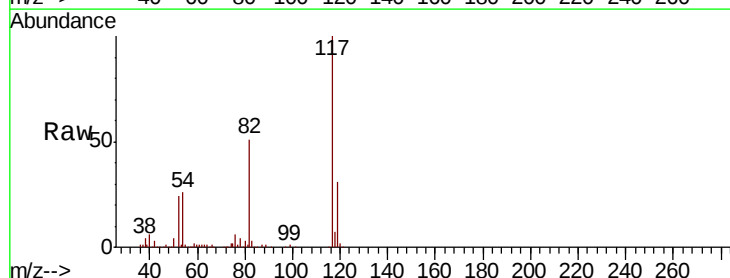
Tgt Ion: 117 Resp: 975472

Ion Ratio Lower Upper

117 100

82 50.7 40.1 60.1

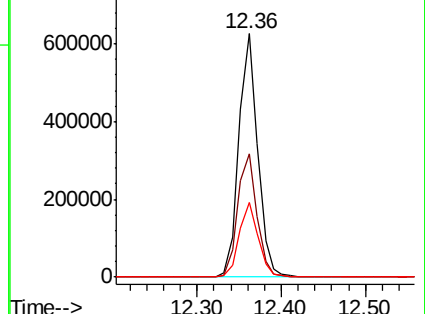
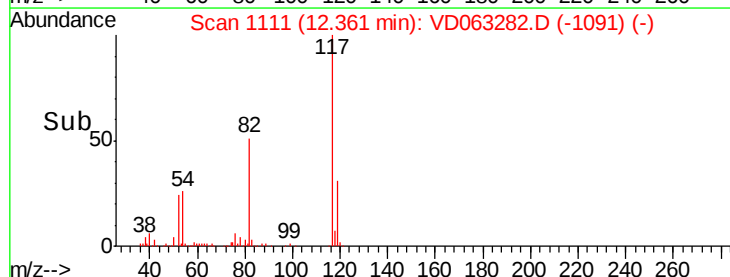
119 30.7 26.5 39.7

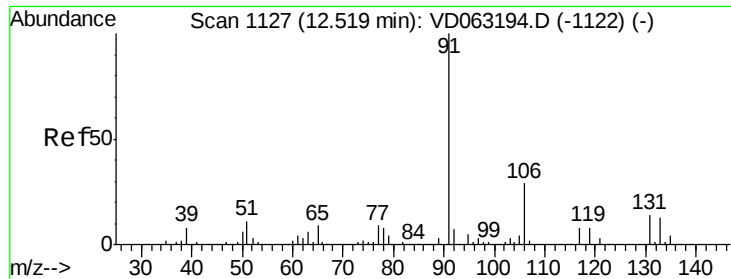


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

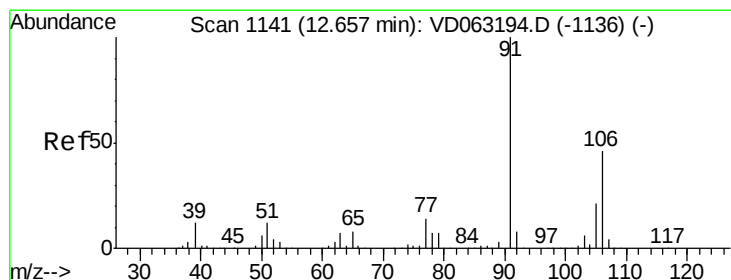
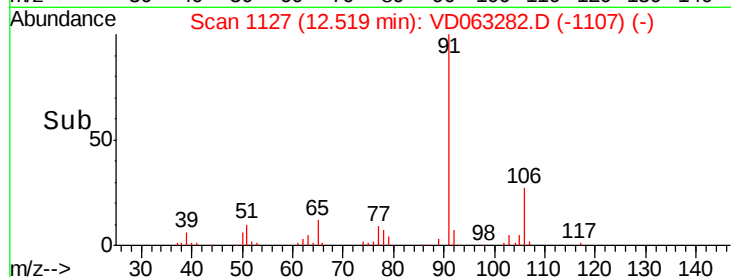
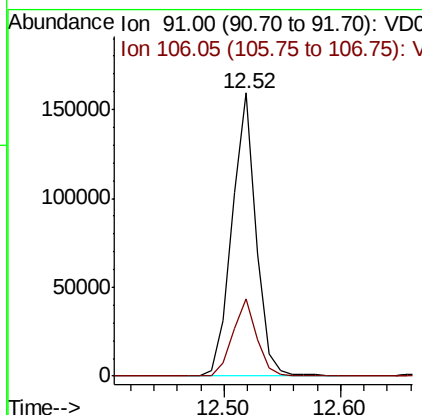
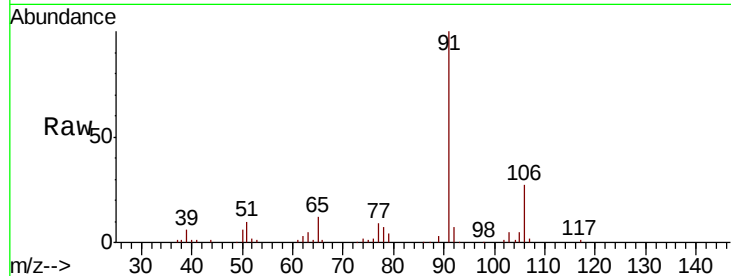




#67
Ethyl Benzene
Concen: 7.134 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

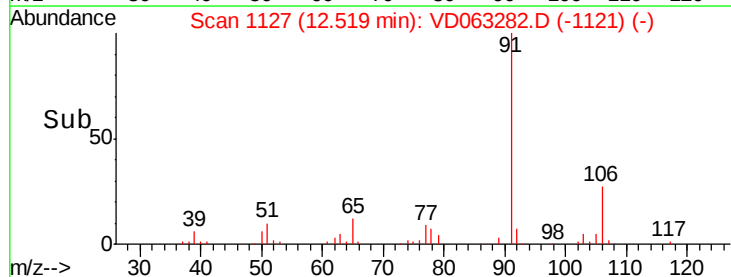
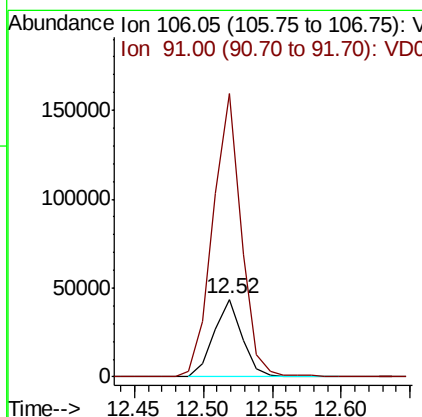
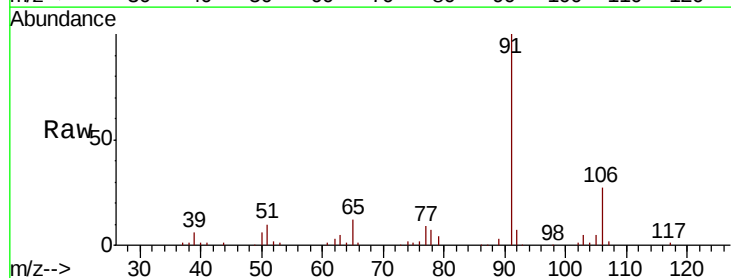
Instrument :
MSVOA_D
ClientSampled :
T-2A

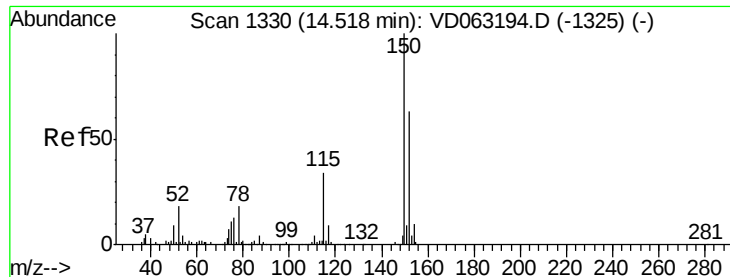
Tot Ion: 91 Resp: 227379
Ion Ratio Lower Upper
91 100
106 27.4 22.9 34.3



#68
m/p-Xylenes
Concen: 5.350 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.14 min
Lab File: VD063282.D
Acq: 31 Jul 2019 16:42

Tgt Ion: 106 Resp: 62538
Ion Ratio Lower Upper
106 100
91 364.8 172.6 259.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063282.D

Acq: 31 Jul 2019 16:42

Instrument :

MSVOA_D

ClientSampleId :

T-2A

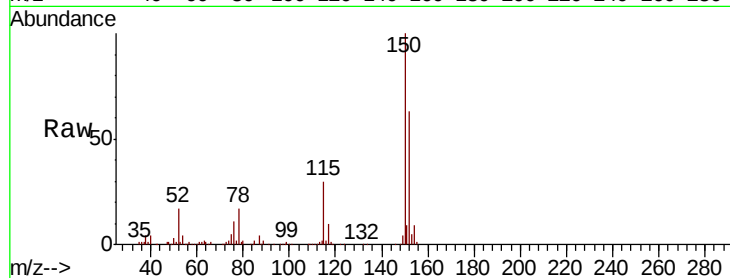
Tot Ion:152 Resp: 431682

Ion Ratio Lower Upper

152 100

115 48.1 27.5 82.4

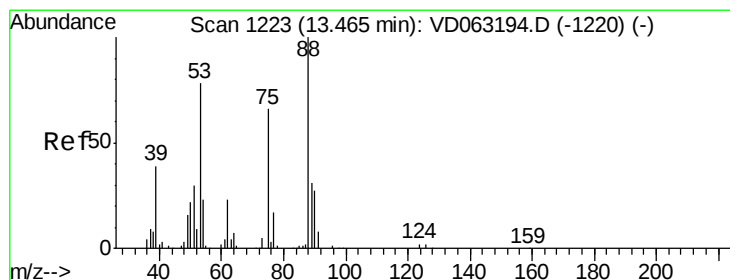
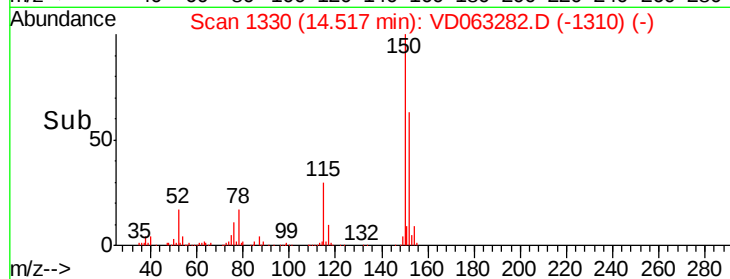
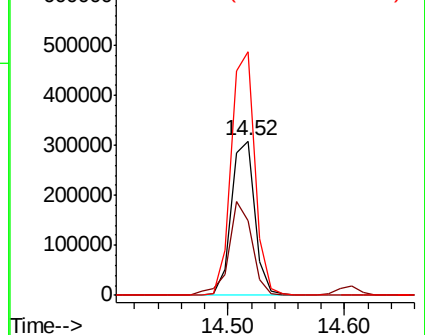
150 157.9 0.0 320.6



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: 95.851 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063282.D

Acq: 31 Jul 2019 16:42

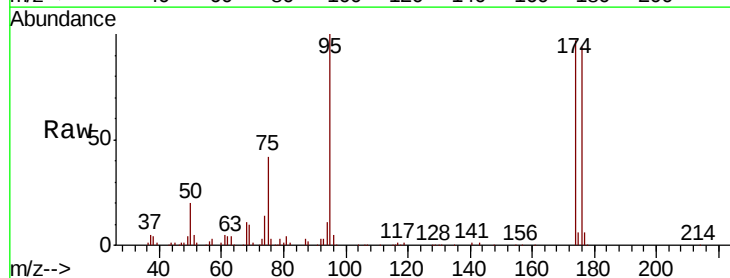
Tgt Ion: 75 Resp: 138005

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

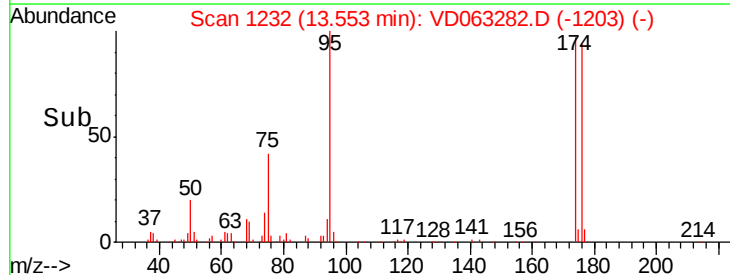
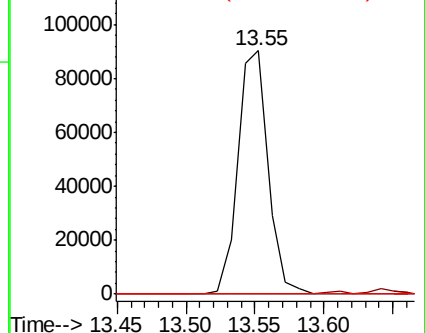
89 0.0 37.4 56.0#

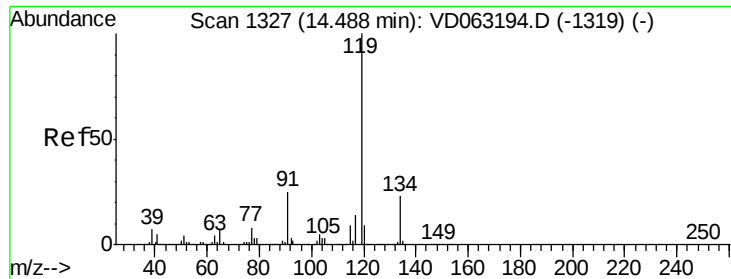


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#86
 p-Isopropyltoluene
 Concen: 6.369 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063282.D
 Acq: 31 Jul 2019 16:42

Instrument :
 MSVOA_D
 ClientSampleId :
 T-2A

Tot Ion	Ratio	Lower	Upper
119	100		
134	21.3	11.5	34.5
91	21.3	12.6	37.6

