

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061337.D
 Acq On : 26 Mar 2019 15:45
 Operator : VA/AP
 Sample : K2047-03
 Misc : 6.90g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)

Quant Time: Mar 27 07:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	584178	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	989423	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	792939	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	364041	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	188738	37.45	ug/l	-0.01
Spiked Amount			Recovery	=	74.90%	
35) Dibromofluoromethane	6.91	113	309254	40.85	ug/l	-0.02
Spiked Amount			Recovery	=	81.70%	
50) Toluene-d8	10.40	98	723241	39.40	ug/l	-0.01
Spiked Amount			Recovery	=	78.80%	
62) 4-Bromofluorobenzene	13.55	95	268990	37.56	ug/l	0.00
Spiked Amount			Recovery	=	75.12%	

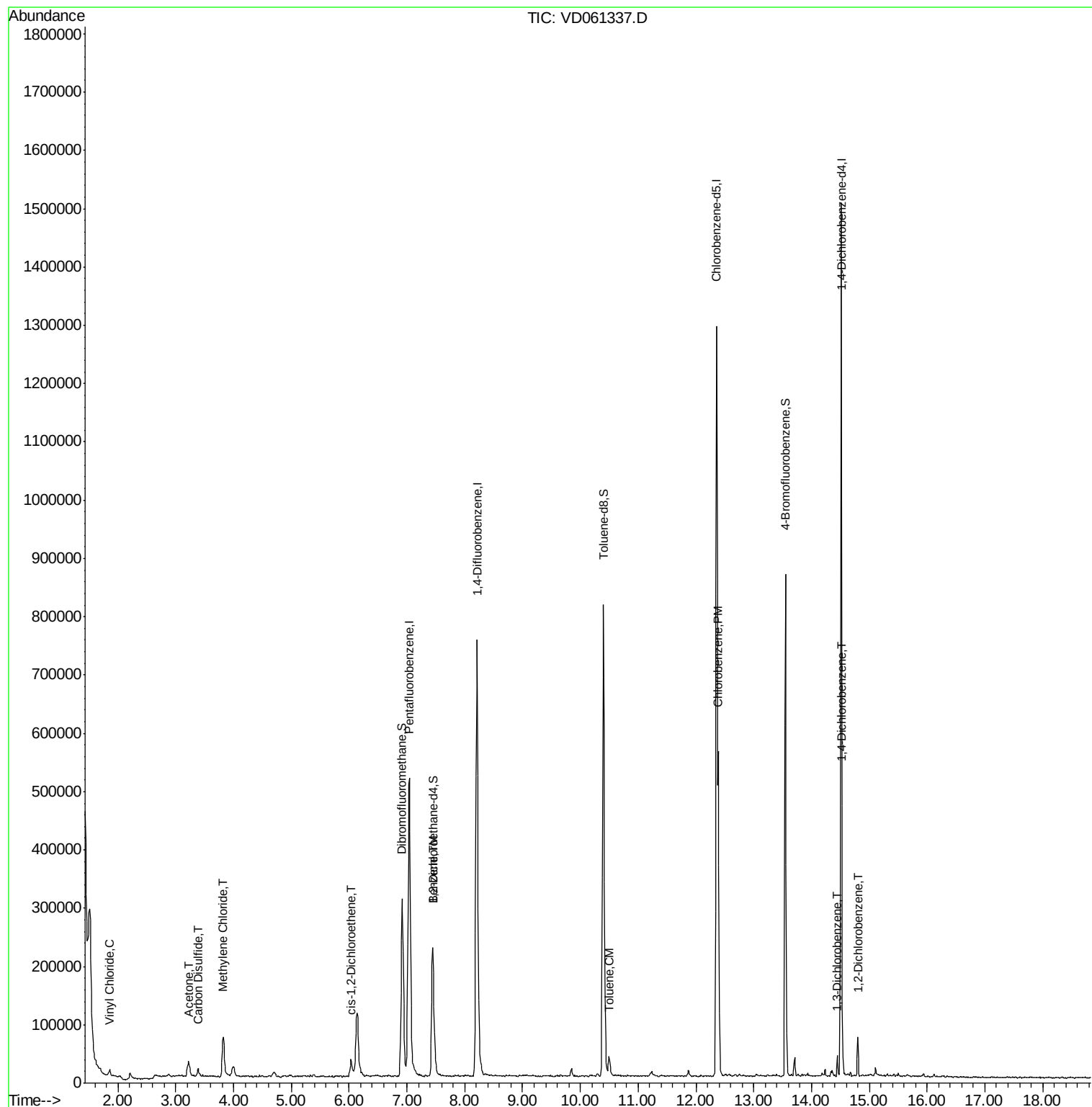
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.85	62	7055	1.619	ug/l #	89
16) Acetone	3.22	43	54091	44.868	ug/l	92
17) Carbon Disulfide	3.39	76	24883	1.328	ug/l	99
20) Methylene Chloride	3.82	84	53146	7.767	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	20057	2.954	ug/l	97
40) Benzene	7.45	78	29201	1.452	ug/l	98
52) Toluene	10.50	92	19392	1.576	ug/l	96
65) Chlorobenzene	12.39	112	281892	19.301	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	13867	1.183	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	31216	2.749	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	21170	2.263	ug/l	92

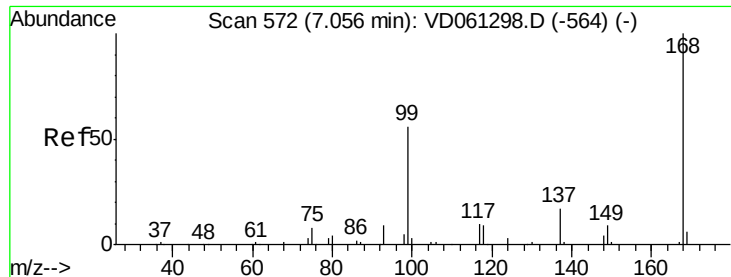
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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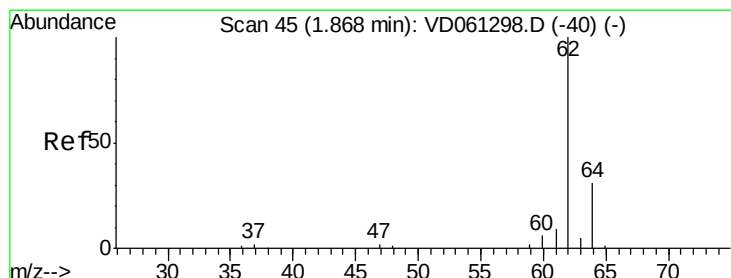
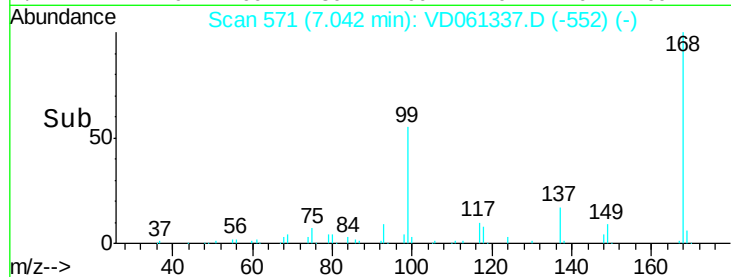
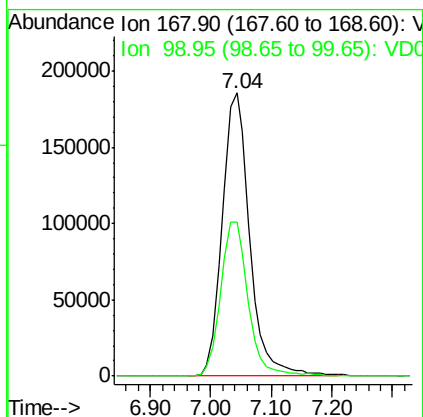
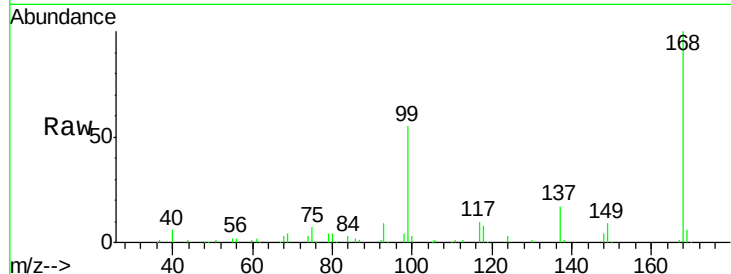




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.01 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

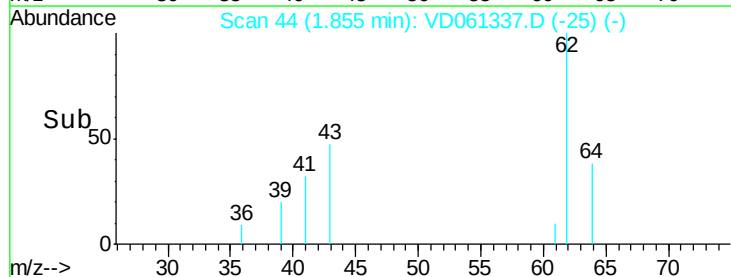
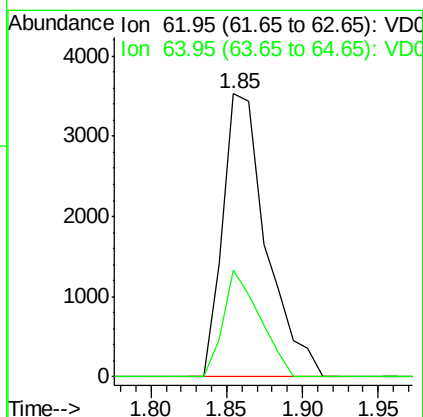
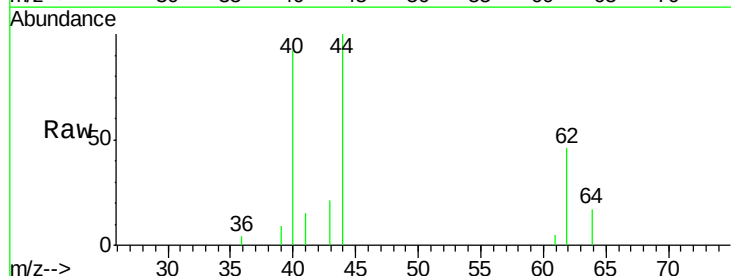
Instrument :
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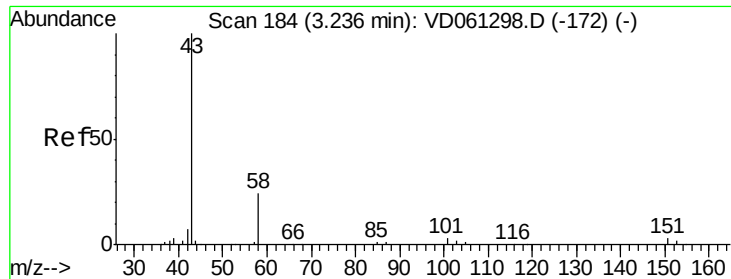
Tot Ion:168 Resp: 584178
Ion Ratio Lower Upper
168 100
99 54.6 45.8 68.8



#4
Vinyl Chloride
Concen: 1.619 ug/l
RT: 1.85 min Scan# 44
Delta R.T. -0.01 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

Tgt Ion: 62 Resp: 7055
Ion Ratio Lower Upper
62 100
64 37.8 25.1 37.7#





#16

Acetone

Concen: 44.868 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061337.D

Acq: 26 Mar 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

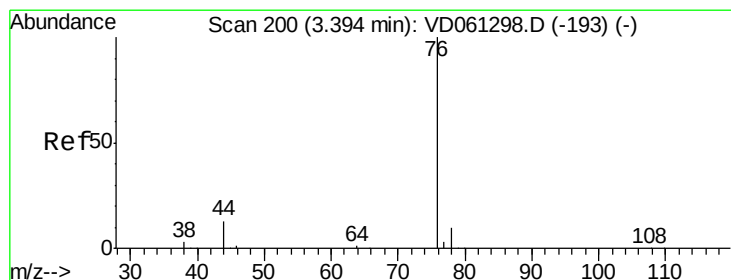
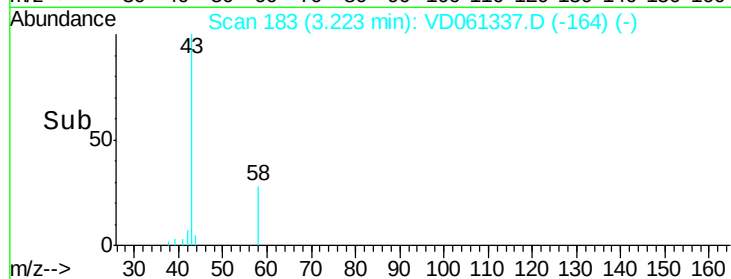
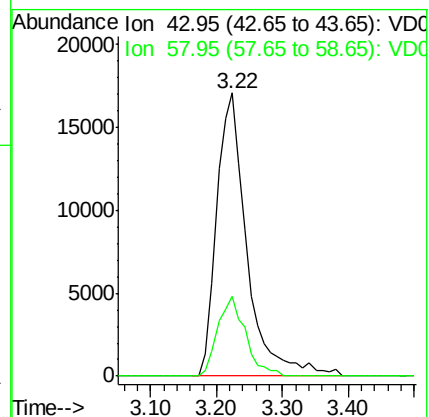
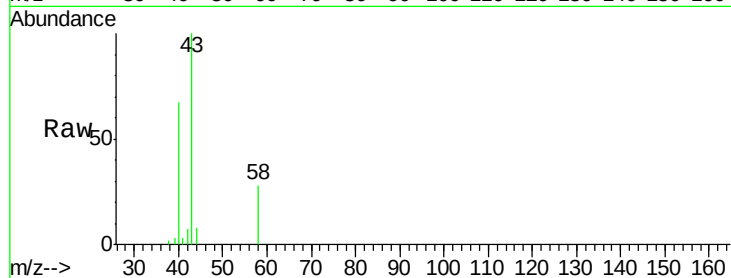
WP022SB431-190320-(21-23)

Tot Ion: 43 Resp: 54091

Ion Ratio Lower Upper

43 100

58 28.1 19.4 29.0



#17

Carbon Disulfide

Concen: 1.328 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061337.D

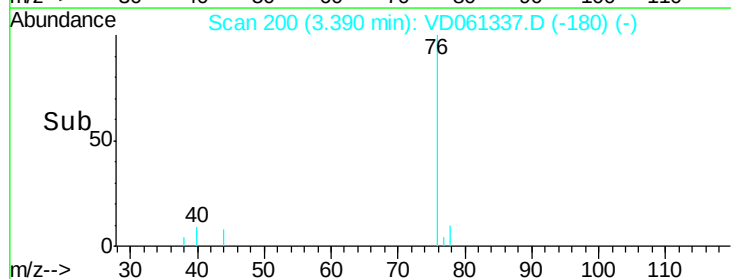
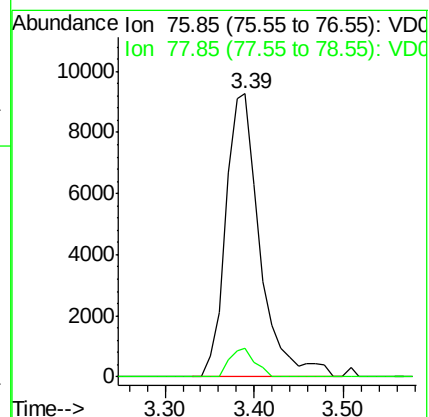
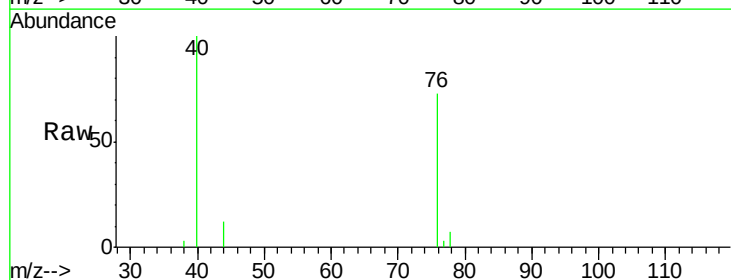
Acq: 26 Mar 2019 15:45

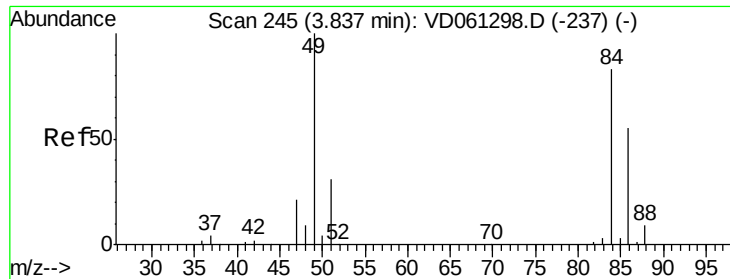
Tgt Ion: 76 Resp: 24883

Ion Ratio Lower Upper

76 100

78 10.0 7.8 11.6

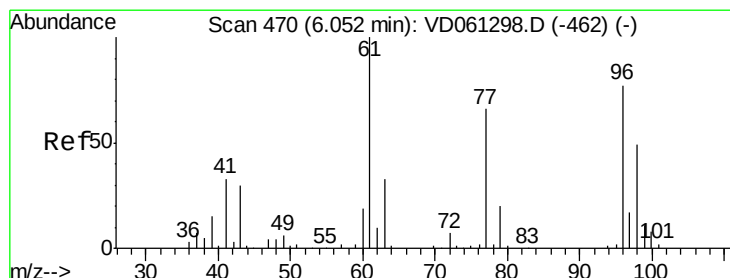
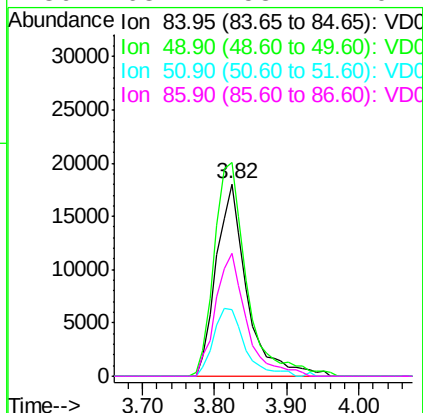
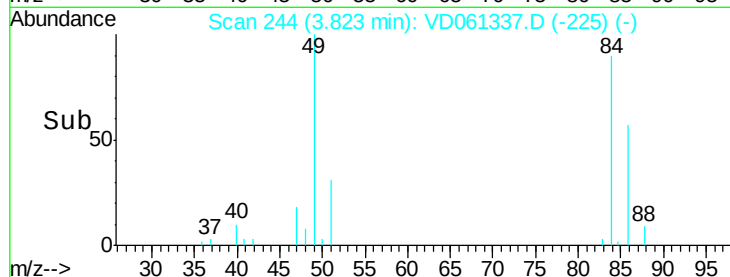
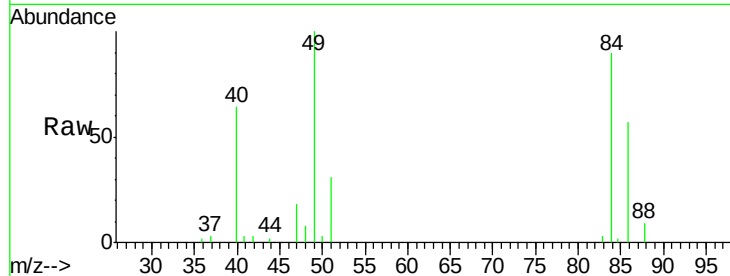




#20
Methylene Chloride
Concen: 7.767 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

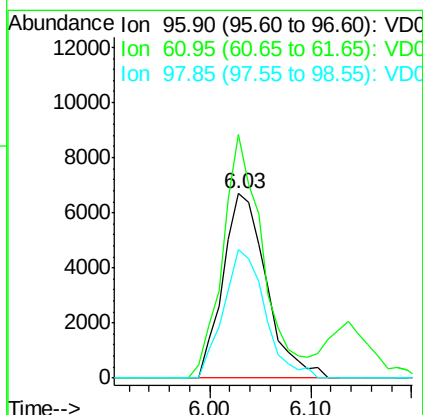
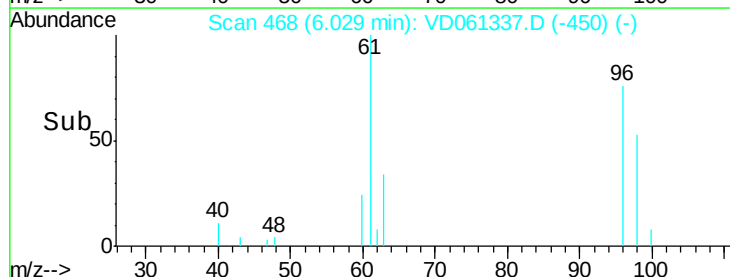
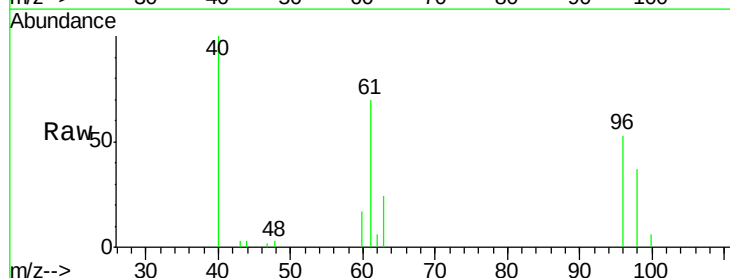
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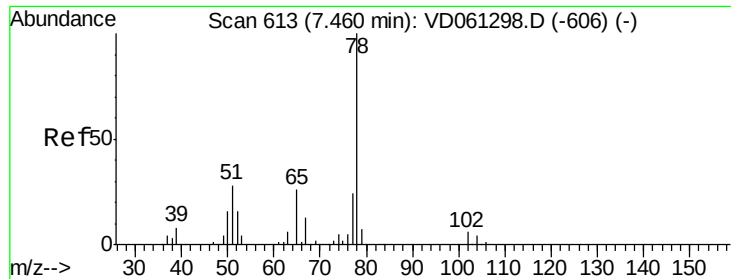
Tot Ion:	84	Resp:	53146
Ion	Ratio	Lower	Upper
84	100		
49	110.9	96.8	145.2
51	34.4	29.9	44.9
86	63.7	53.1	79.7



#27
cis-1,2-Dichloroethene
Concen: 2.954 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

Tgt Ion:	96	Resp:	20057
Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	261.0
98	69.6	0.0	127.6

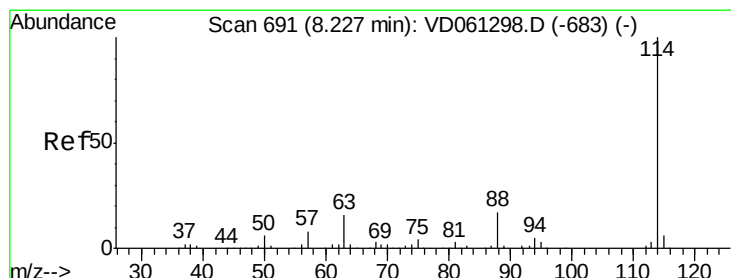
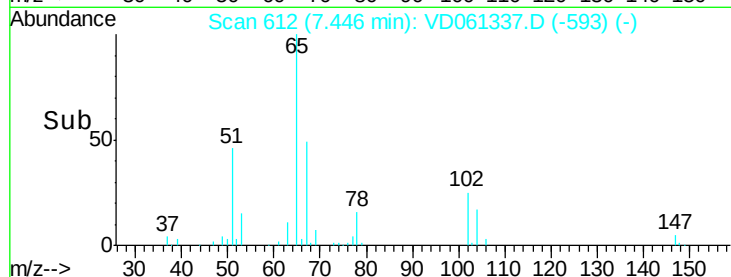
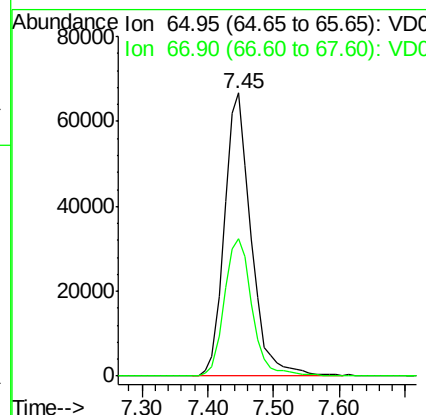
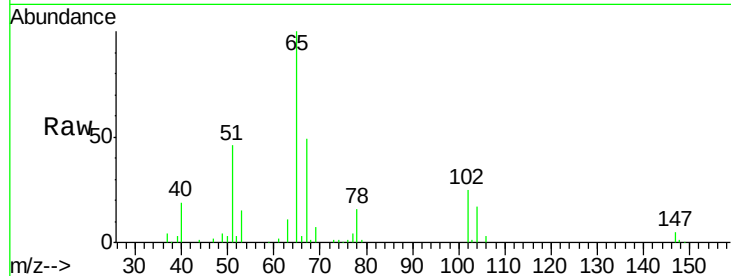




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061337.D
 Acq: 26 Mar 2019 15:45

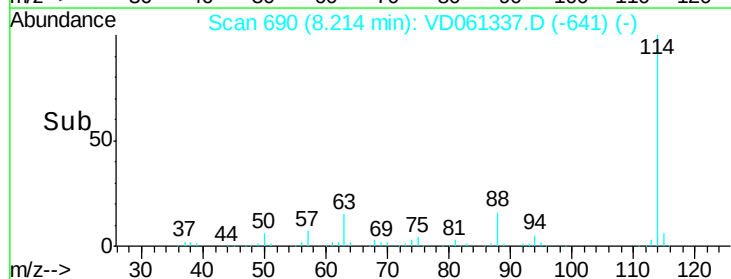
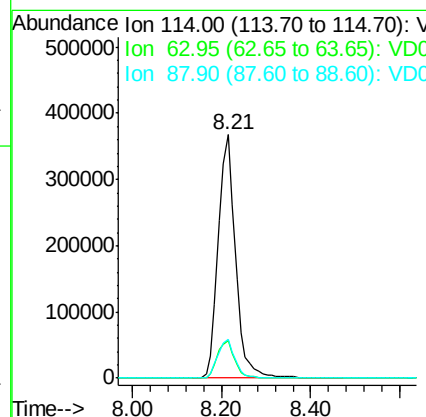
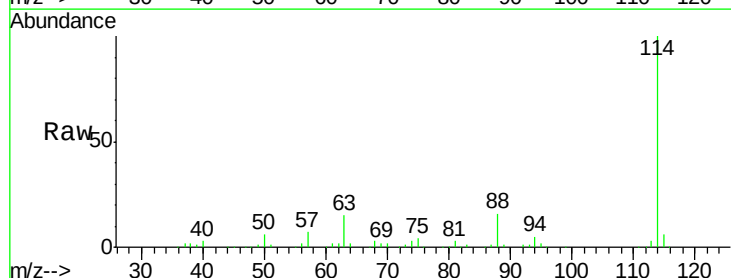
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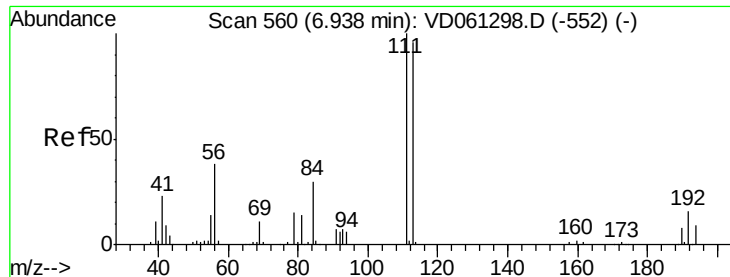
Tot Ion: 65 Resp: 188738
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061337.D
 Acq: 26 Mar 2019 15:45

Tgt Ion: 114 Resp: 989423
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 31.4
 88 16.1 0.0 33.2

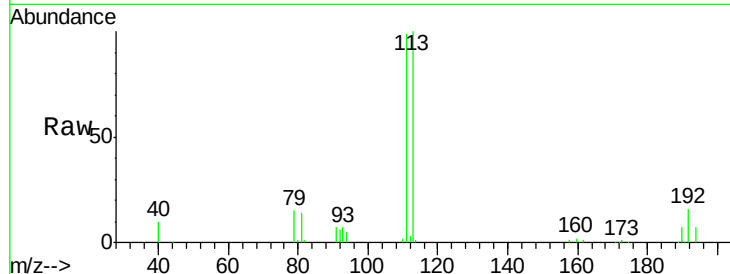




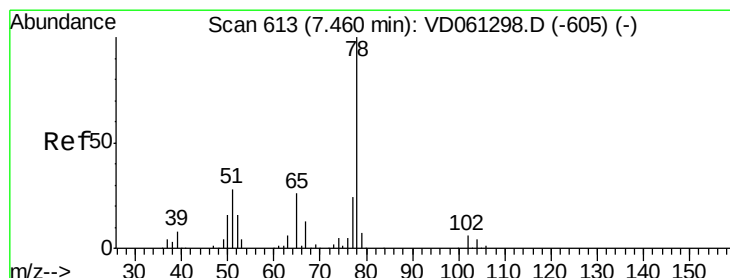
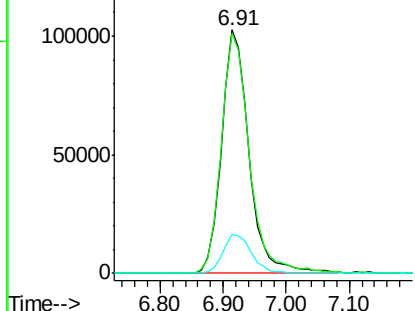
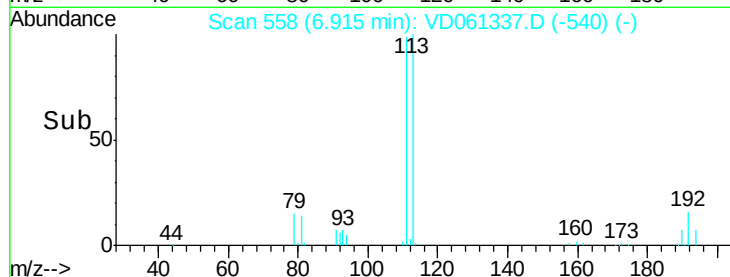
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD061337.D
 Acq: 26 Mar 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion:113 Resp: 309254
 Ion Ratio Lower Upper
 113 100
 111 98.6 83.7 125.5
 192 15.9 13.4 20.0

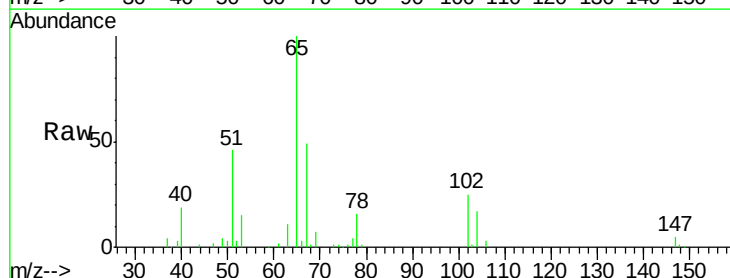


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

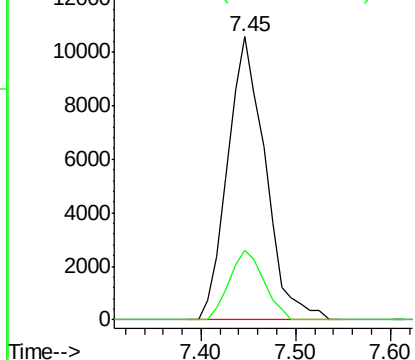
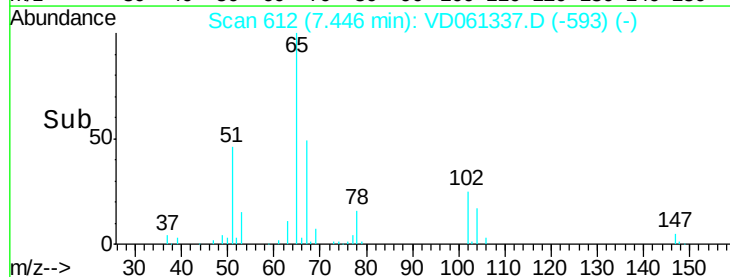


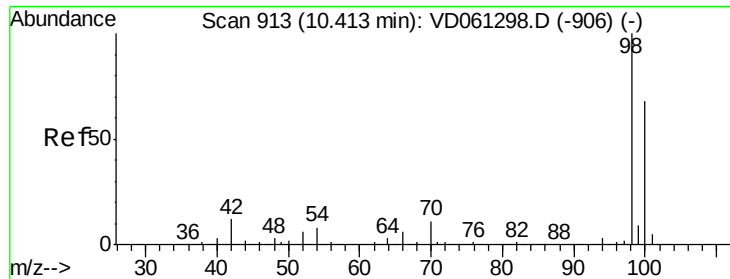
#40
 Benzene
 Concen: 1.452 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061337.D
 Acq: 26 Mar 2019 15:45

Tgt Ion: 78 Resp: 29201
 Ion Ratio Lower Upper
 78 100
 77 24.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
 Ion 76.95 (76.65 to 77.65): VDC

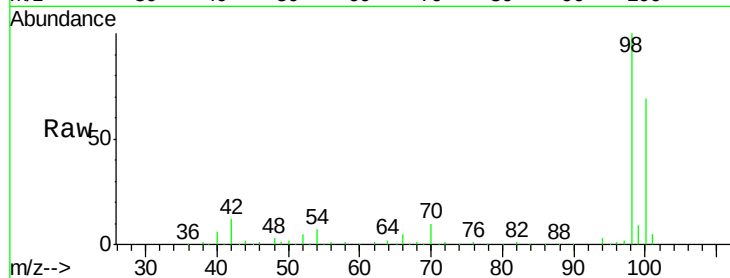




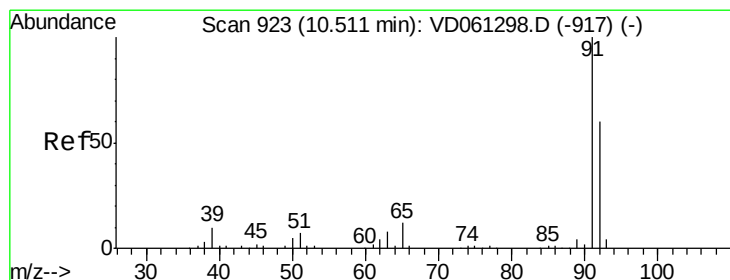
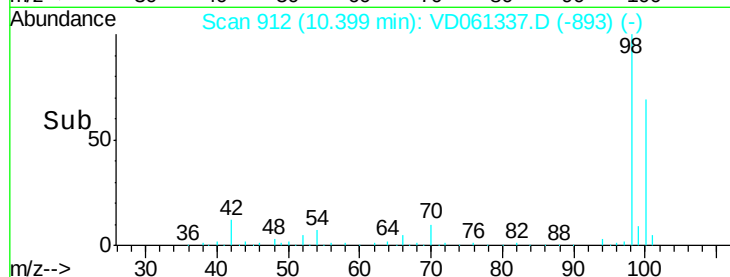
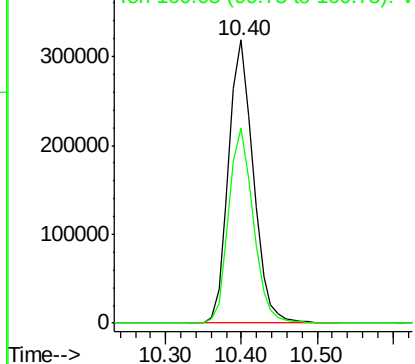
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

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Tot Ion: 98 Resp: 723241
Ion Ratio Lower Upper
98 100
100 68.8 55.4 83.0

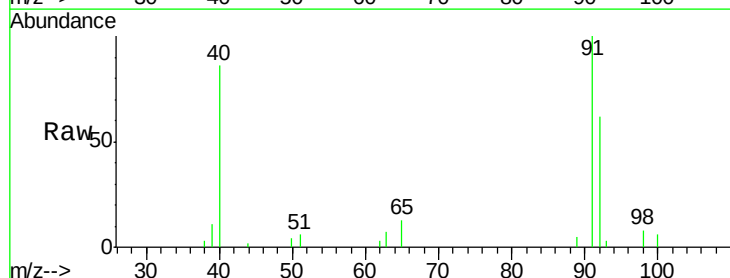


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

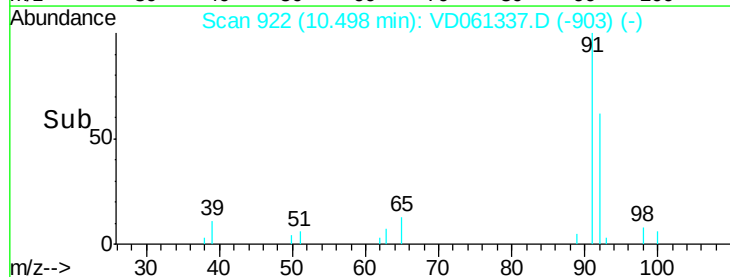
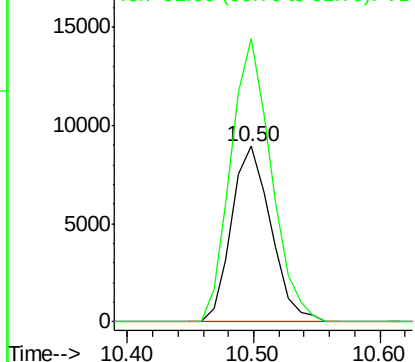


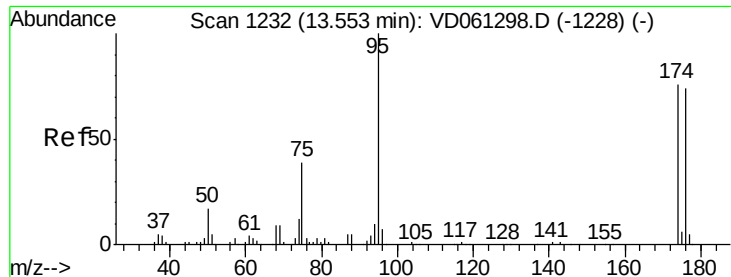
#52
Toluene
Concen: 1.576 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

Tgt Ion: 92 Resp: 19392
Ion Ratio Lower Upper
92 100
91 161.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VD0
Ion 91.00 (90.70 to 91.70): VD0

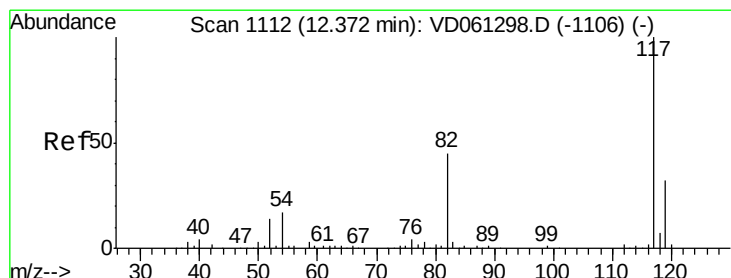
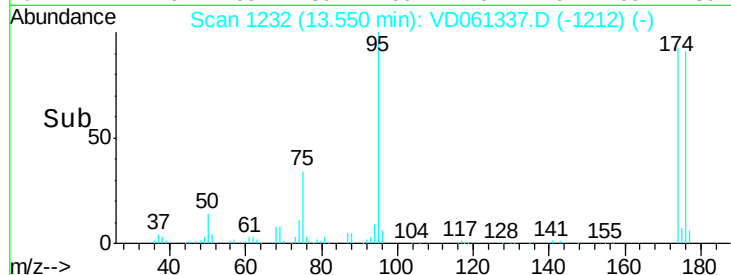
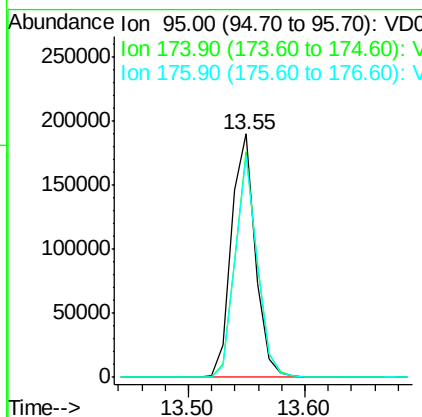
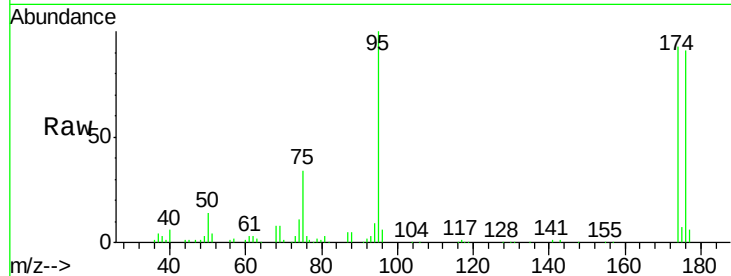




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

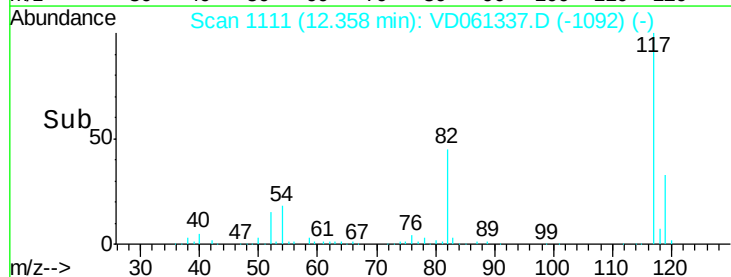
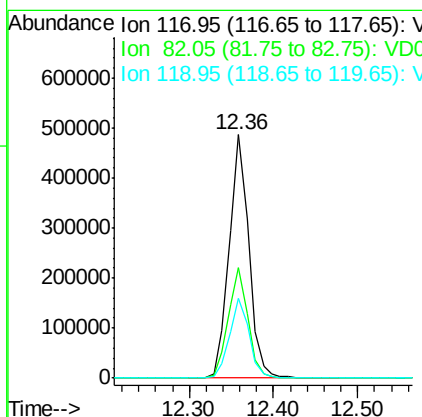
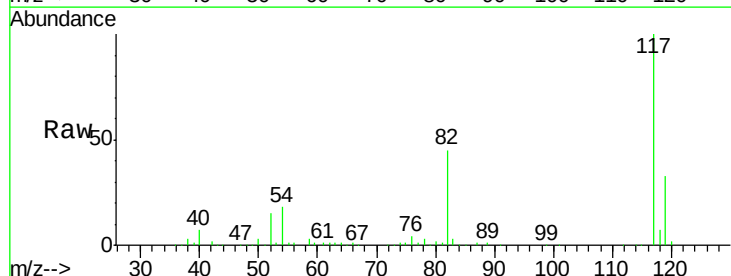
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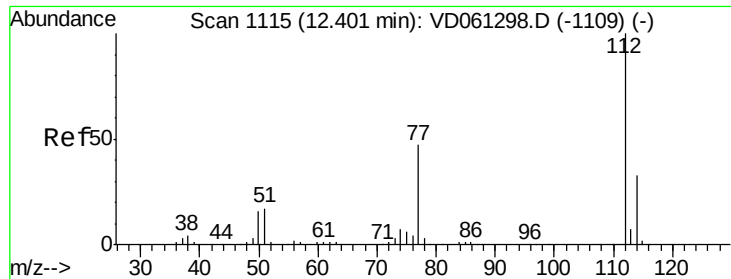
Tot Ion	95	Resp	268990
Ion Ratio	Lower	Upper	
95	100		
174	92.6	0.0	151.8
176	90.9	0.0	148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

Tgt Ion	117	Resp	792939
Ion Ratio	Lower	Upper	
117	100		
82	45.3	35.7	53.5
119	32.9	25.9	38.9

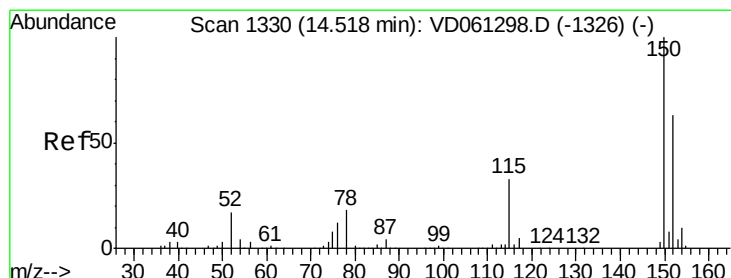
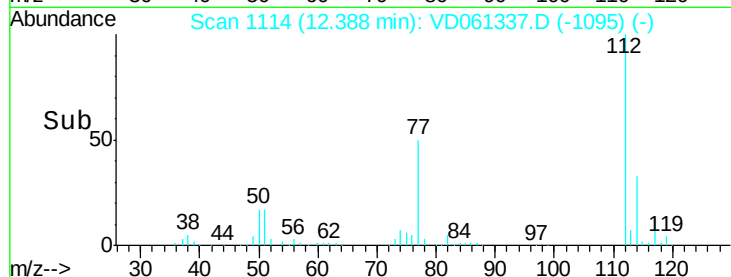
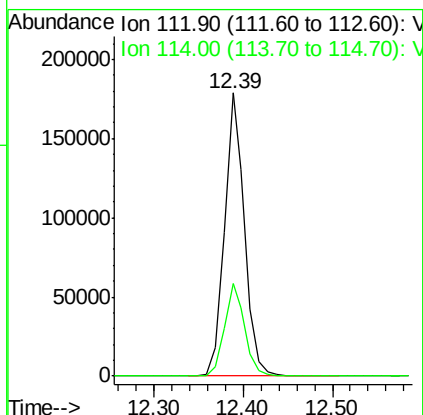
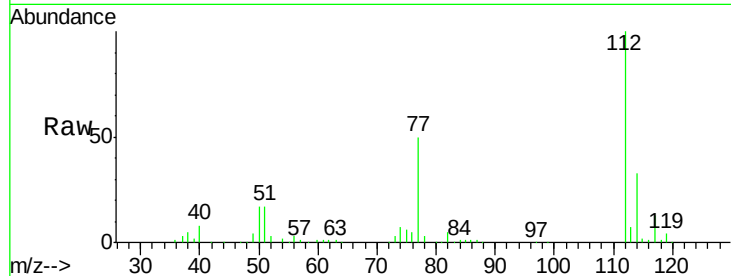




#65
Chlorobenzene
Concen: 19.301 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

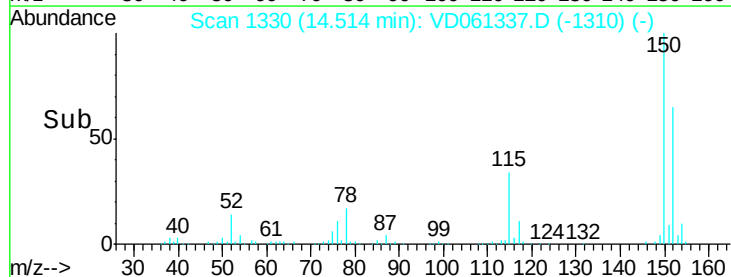
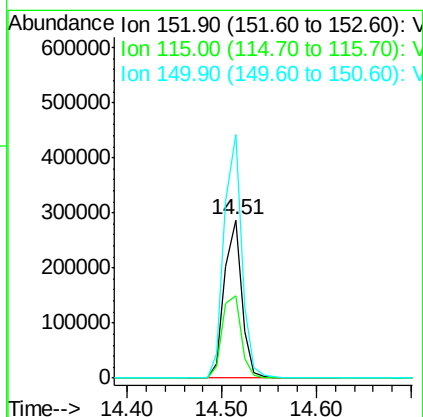
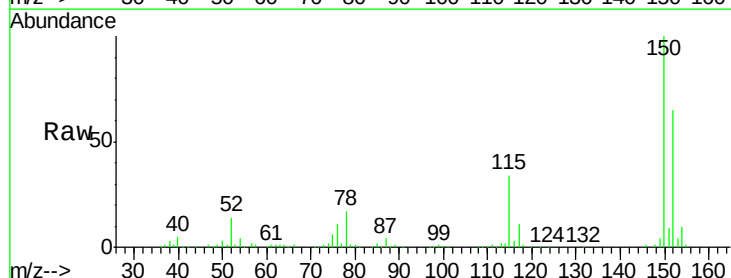
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(21-23)

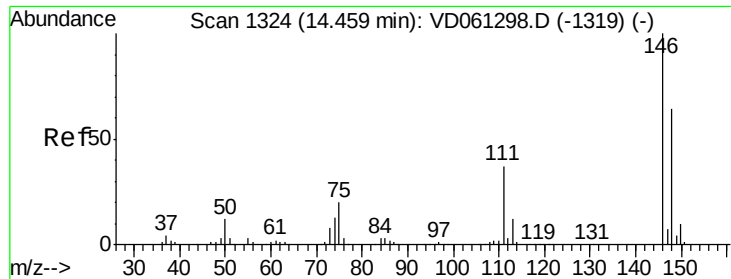
Tot Ion:112 Resp: 281892
Ion Ratio Lower Upper
112 100
114 32.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061337.D
Acq: 26 Mar 2019 15:45

Tgt Ion:152 Resp: 364041
Ion Ratio Lower Upper
152 100
115 52.2 29.2 87.6
150 153.9 0.0 319.6

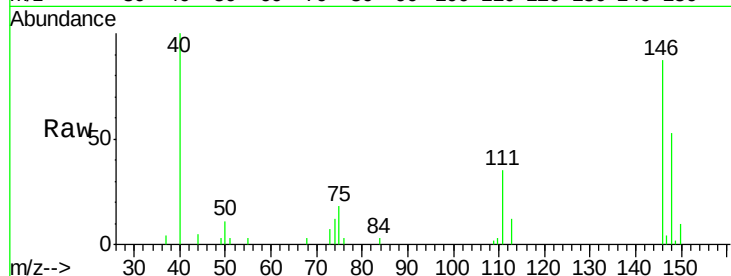




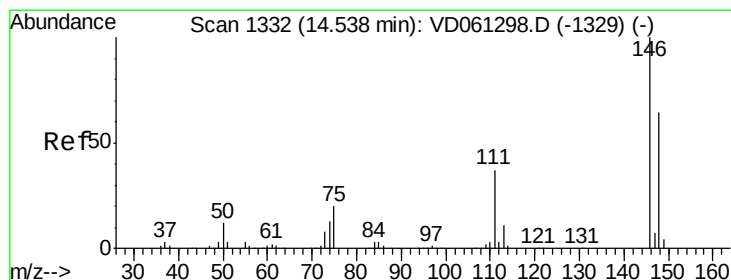
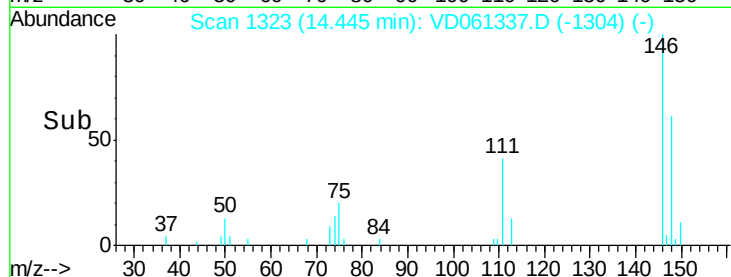
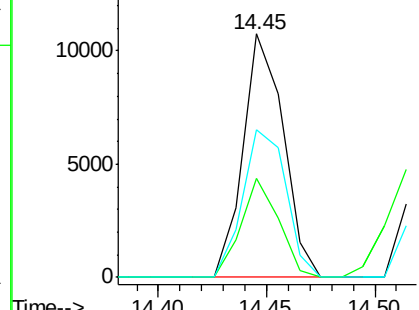
#87
 1,3-Dichlorobenzene
 Concen: 1.183 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061337.D
 Acq: 26 Mar 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)

Tot Ion:146 Resp: 13867
 Ion Ratio Lower Upper
 146 100
 111 40.9 18.4 55.0
 148 60.8 32.0 96.2

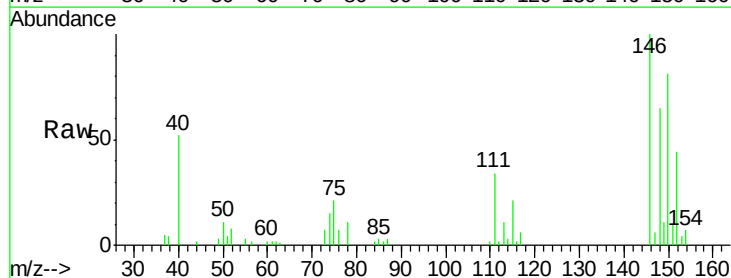


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

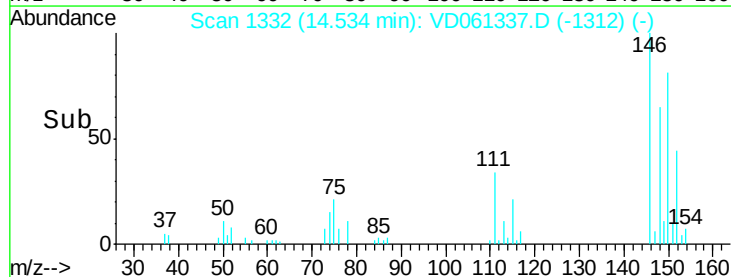
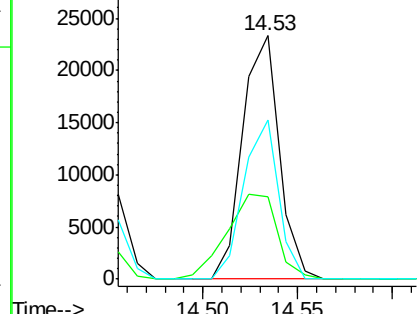


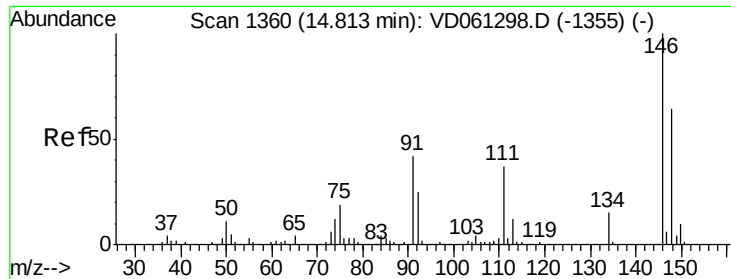
#88
 1,4-Dichlorobenzene
 Concen: 2.749 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061337.D
 Acq: 26 Mar 2019 15:45

Tgt Ion:146 Resp: 31216
 Ion Ratio Lower Upper
 146 100
 111 33.9 18.6 55.6
 148 65.2 31.9 95.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 2.263 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD061337.D

Acq: 26 Mar 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(21-23)

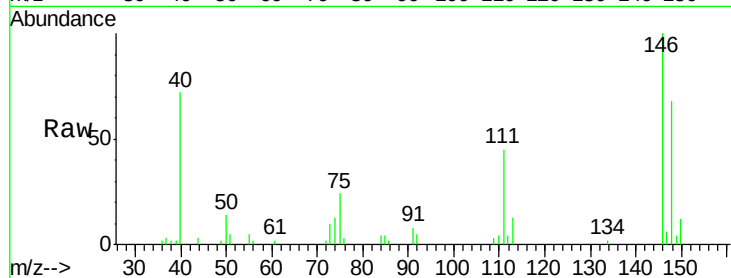
Tot Ion:146 Resp: 21170

Ion Ratio Lower Upper

146 100

111 44.6 18.3 54.8

148 67.7 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

