

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061537.D
 Acq On : 3 Apr 2019 4:34
 Operator : VA/AP
 Sample : K2180-06RE
 Misc : 4.81g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6S2RE

Manual Integrations
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 4/3/2019 1:03:16 PM

Quant Time: Apr 03 09:12:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	13019	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	29307	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	32148	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	16347	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	14062	126.44	ug/l	0.04
Spiked Amount 50.000			Recovery	=	252.88%	
35) Dibromofluoromethane	6.94	113	14292	63.82	ug/l	0.04
Spiked Amount 50.000			Recovery	=	127.64%	
50) Toluene-d8	10.42	98	27861	51.87	ug/l	0.03
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	13.56	95	14786	71.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	143.56%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.21	94	825	39.960	ug/l #	10
10) Methyl Iodide	3.37	142	2760	13.847	ug/l #	89
16) Acetone	3.24	43	7323	256.145	ug/l #	79
20) Methylene Chloride	3.84	84	2631	15.087	ug/l #	83
36) 1,1-Dichloropropene	7.07	75	399	1.560	ug/l #	38
38) Carbon Tetrachloride	7.05	117	942	3.205	ug/l #	10
52) Toluene	10.53	92	3054	7.798	ug/l	82
67) Ethyl Benzene	12.53	91	1127	1.124	ug/l #	42
76) 1,2,3-Trichloropropane	13.56	75	4992	21.140	ug/l #	42
79) 2-Chlorotoluene	13.95	91	856	1.132	ug/l	82
81) trans-1,4-Dichloro-2-buten	13.56	75	4992	69.335	ug/l #	18
82) 4-Chlorotoluene	13.95	91	856	1.041	ug/l	82
87) 1,3-Dichlorobenzene	14.54	146	1312	2.297	ug/l	90
88) 1,4-Dichlorobenzene	14.54	146	1312	2.355	ug/l	88
89) n-Butylbenzene	14.81	91	912	1.003	ug/l #	78
91) 1,2-Dichlorobenzene	14.81	146	783	1.671	ug/l	86
93) 1,2,4-Trichlorobenzene	15.95	180	928	4.348	ug/l #	82
94) Hexachlorobutadiene	16.04	225	211	1.265	ug/l #	18
95) Naphthalene	16.13	128	2959	9.096	ug/l #	82
96) 1,2,3-Trichlorobenzene	16.28	180	472	5.026	ug/l #	61

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

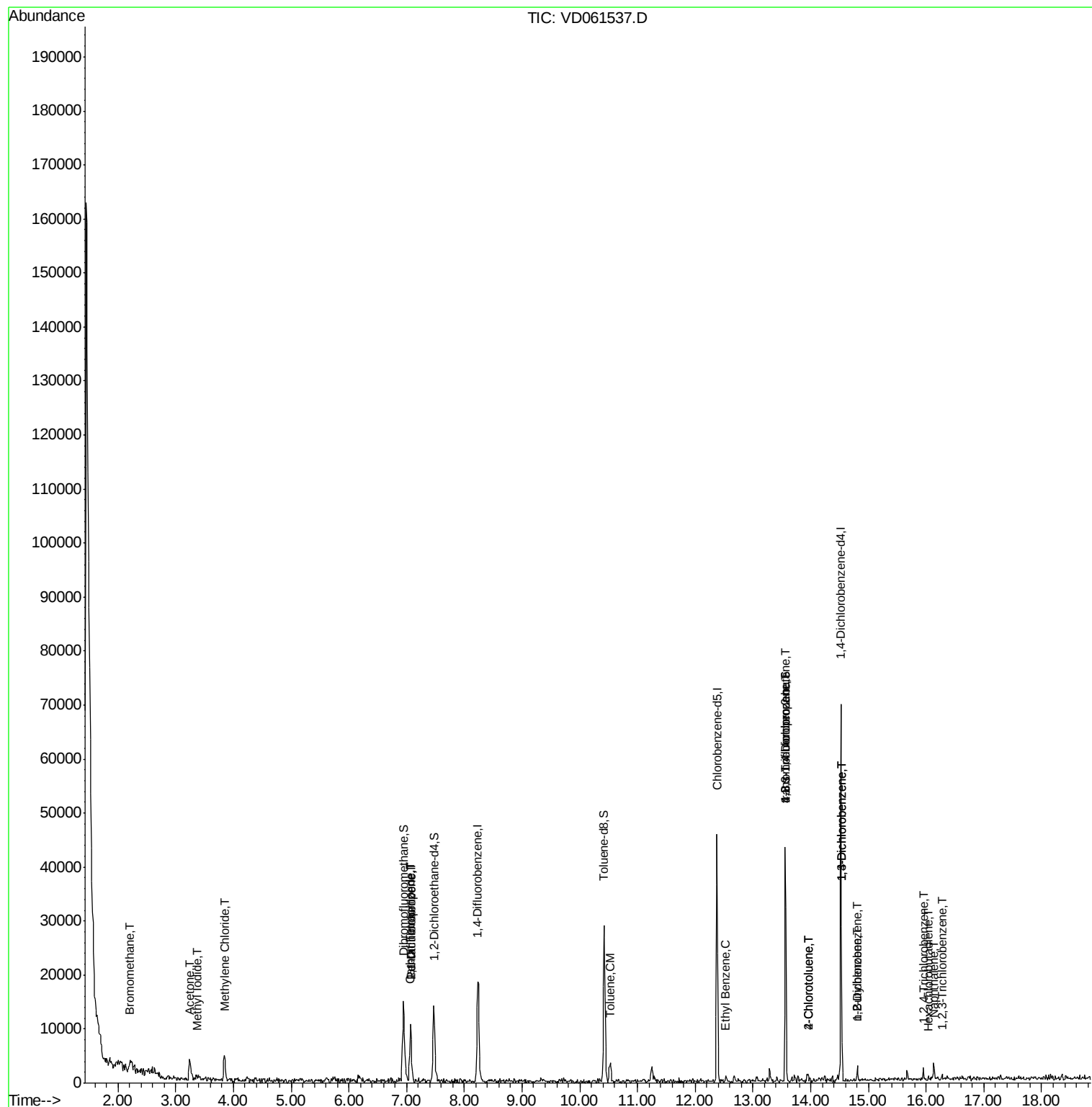
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040219\
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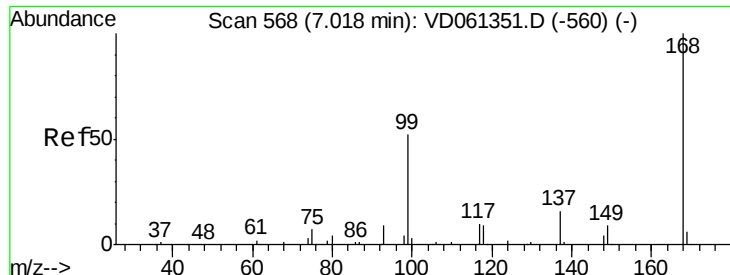
Instrument :
MSVOA_D
ClientSampleId :
TP-6S2RE

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Quant Time: Apr 03 09:12:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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#1

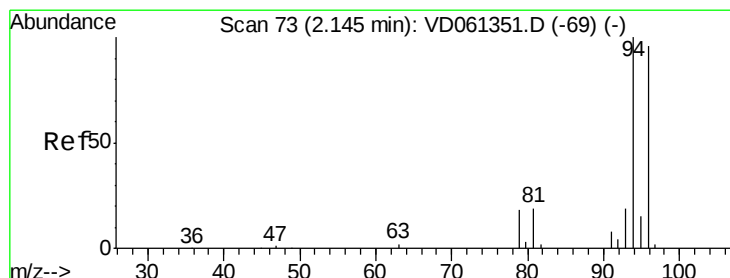
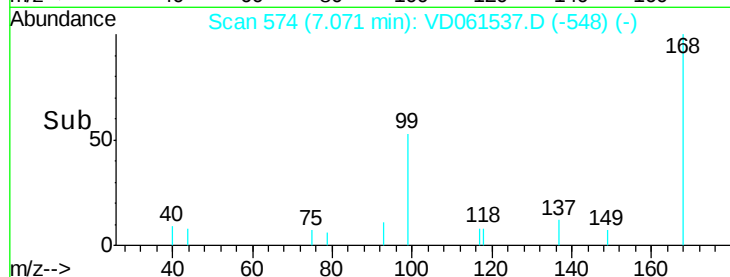
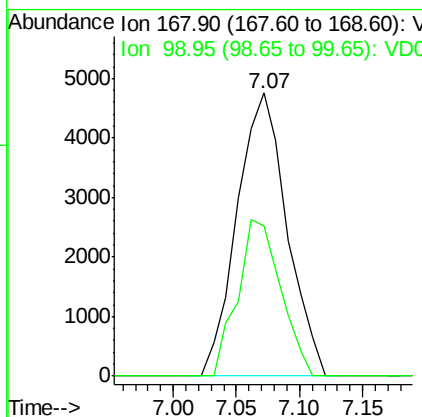
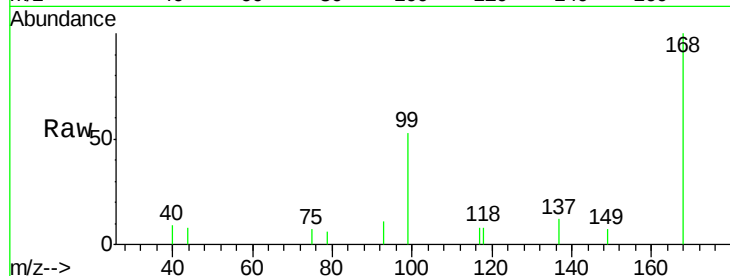
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. 0.05 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-6S2RE

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	52.9	43.1	64.7	

Manual Integrations
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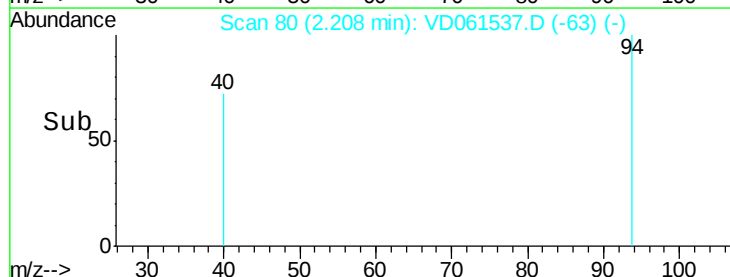
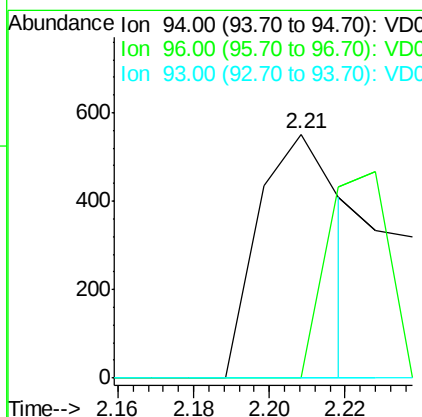
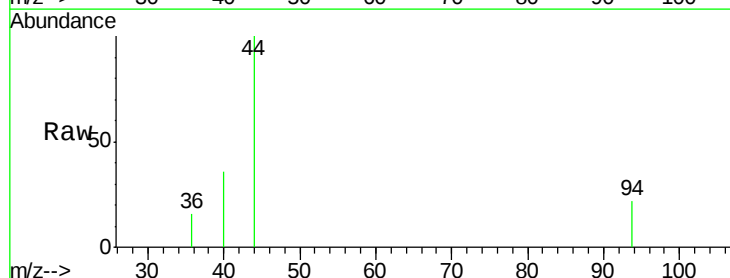
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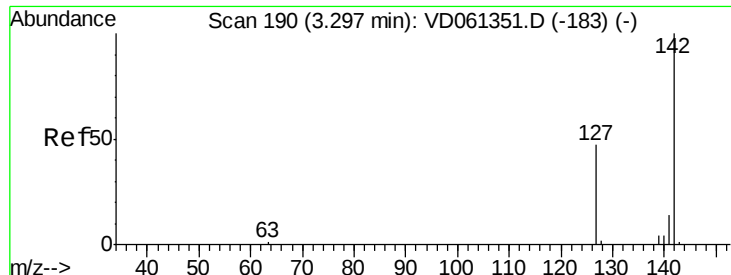


#5

Bromomethane
 Concen: 39.960 ug/l
 RT: 2.21 min Scan# 80
 Delta R.T. 0.06 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
96	0.0	78.3	117.5#	
93	0.0	15.6	23.4#	





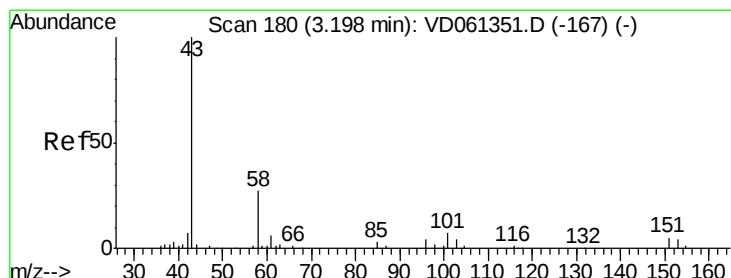
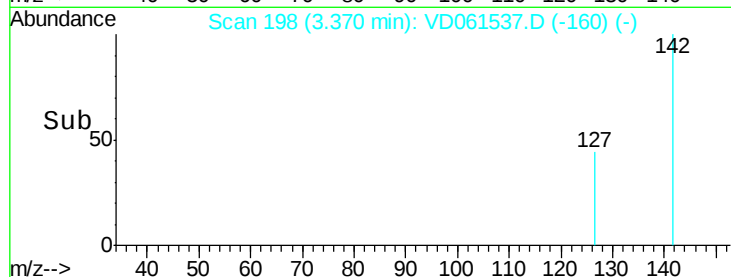
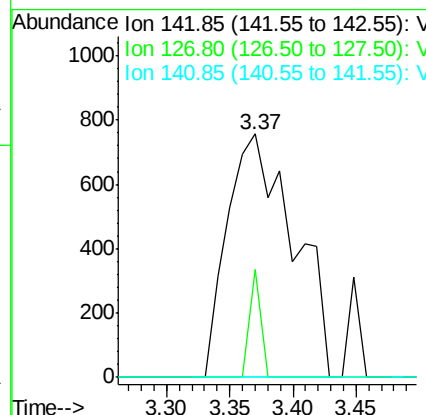
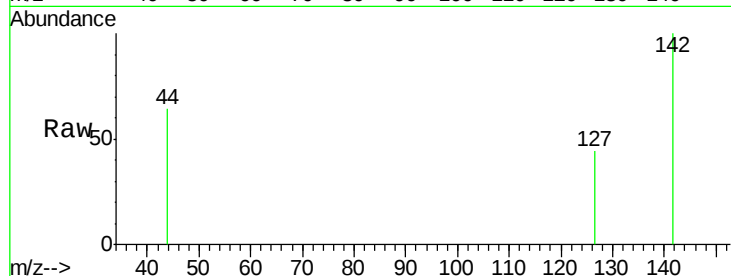
#10
Methvl Iodide
Concen: 13.847 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.07 min
Lab File: VD061537.D
Acq: 3 Apr 2019 4:34

Instrument :
MSVOA_D
ClientSampleId :
TP-6S2RE

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.3	37.7	56.5
141	0.0	11.5	17.3#

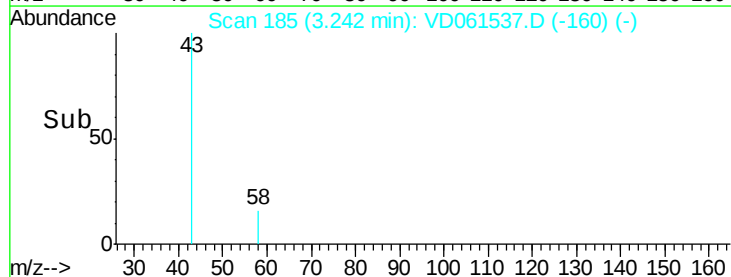
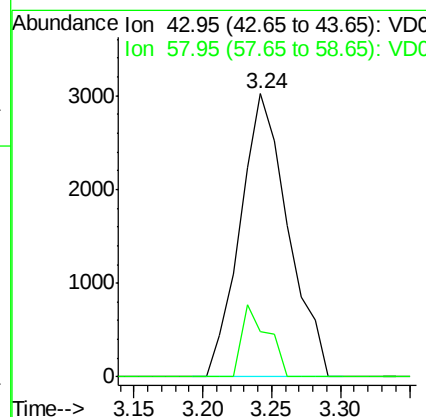
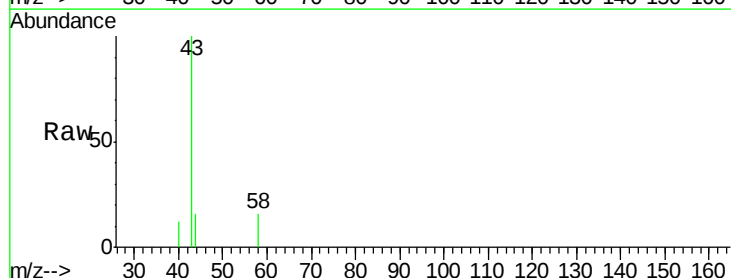
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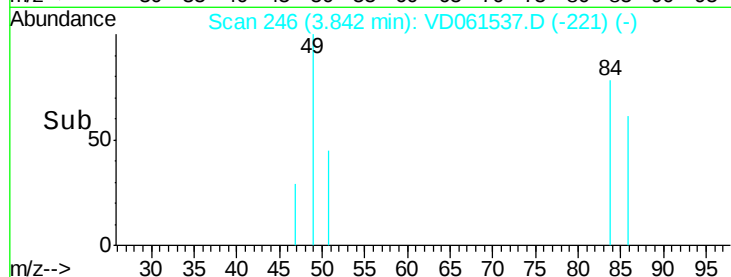
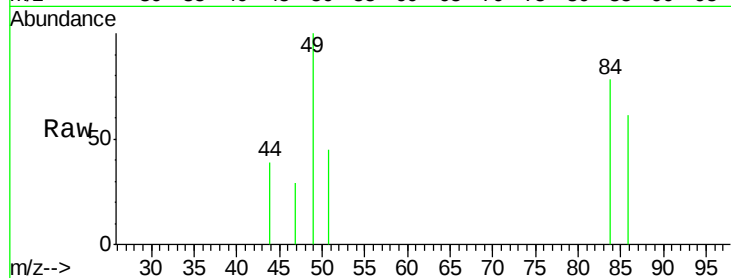
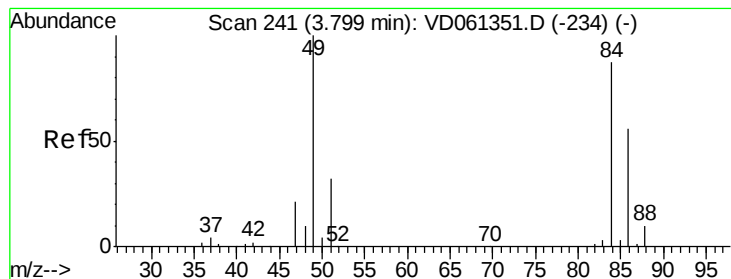
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#16
Acetone
Concen: 256.145 ug/l
RT: 3.24 min Scan# 185
Delta R.T. 0.04 min
Lab File: VD061537.D
Acq: 3 Apr 2019 4:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.1	21.5	32.3#





#20

Methylene Chloride

Concen: 15.087 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Tot Ion:	84	Resp:	2631
Ion	Ratio	Lower	Upper
84	100		
49	127.7	91.8	137.8
51	56.9	29.8	44.8#
86	77.6	51.8	77.6

Instrument :

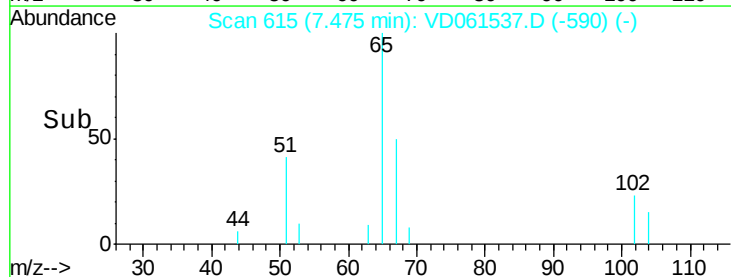
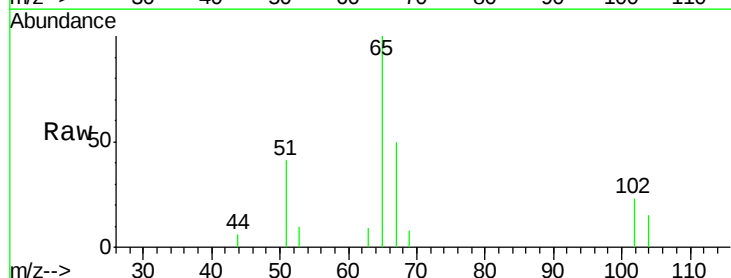
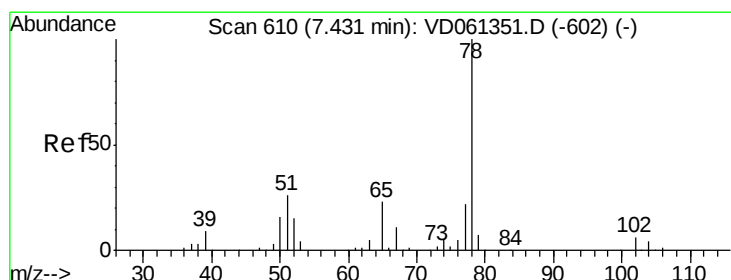
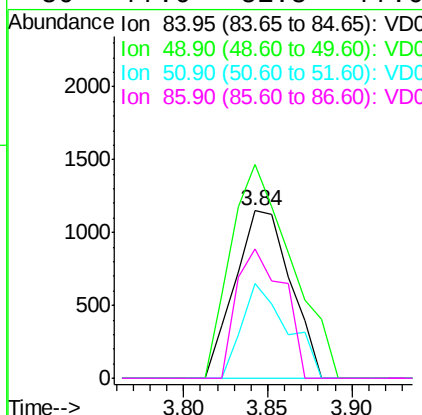
MSVOA_D

ClientSampleId :

TP-6S2RE

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#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

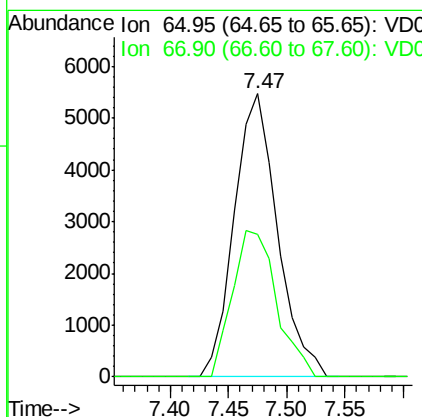
RT: 7.47 min Scan# 615

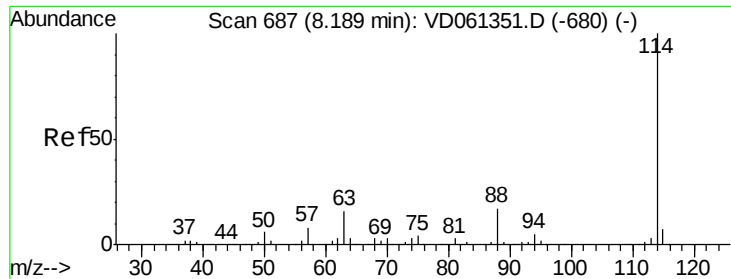
Delta R.T. 0.04 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Tgt Ion:	65	Resp:	14062
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	99.8





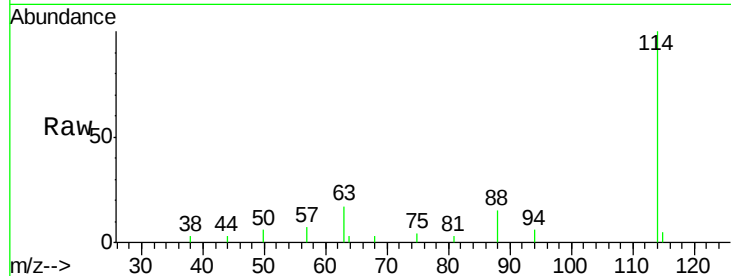
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6S2RE

Tot Ion	Ratio	Resp	Lower	Upper
114	100	29307		
63	17.1		0.0	31.6
88	15.2		0.0	33.4

Manual Integrations
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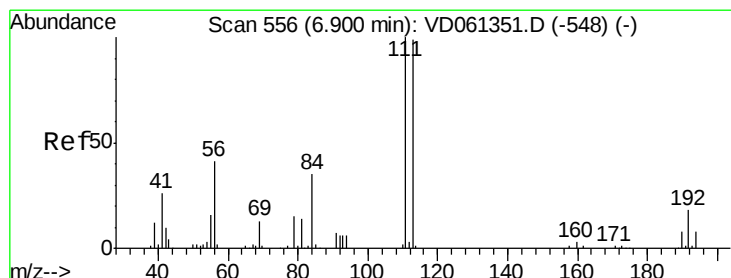
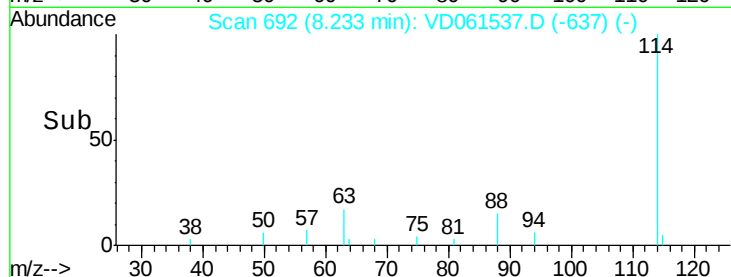
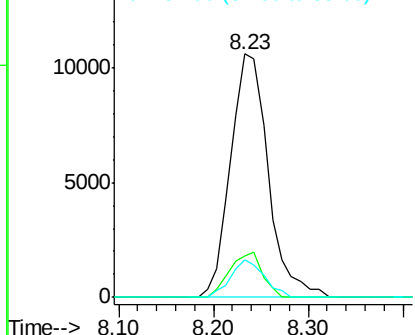
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Abundance Ion 114.00 (113.70 to 114.70): V

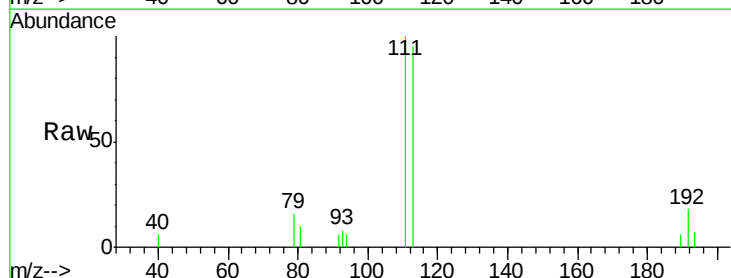
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

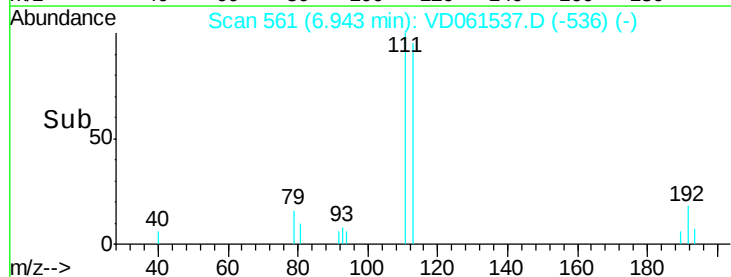
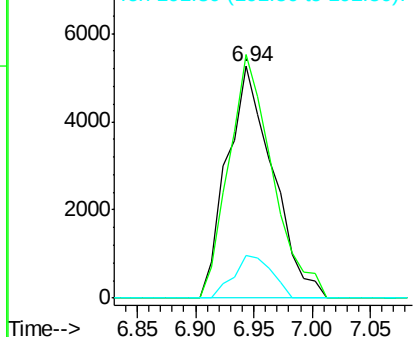
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	14292		
111	105.1		81.0	121.6
192	18.7		14.4	21.6

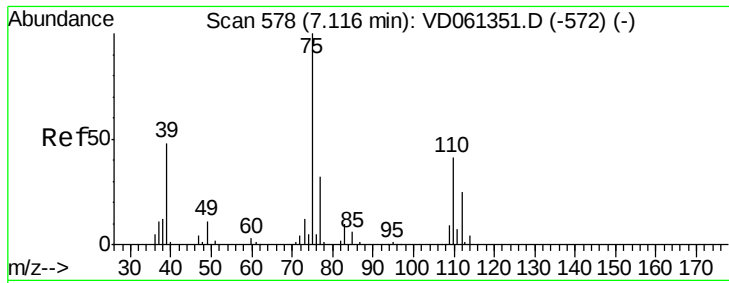


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





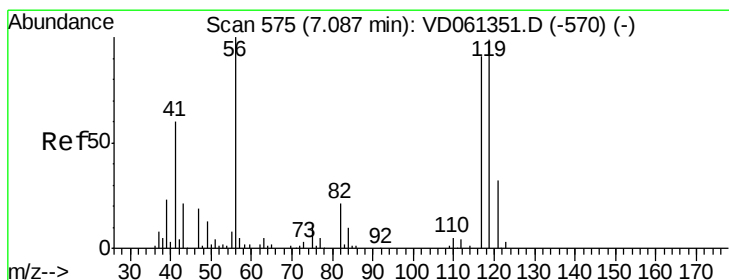
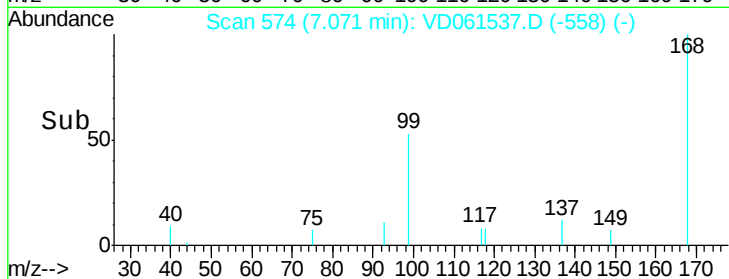
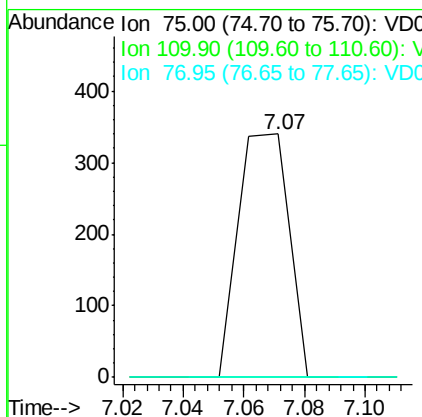
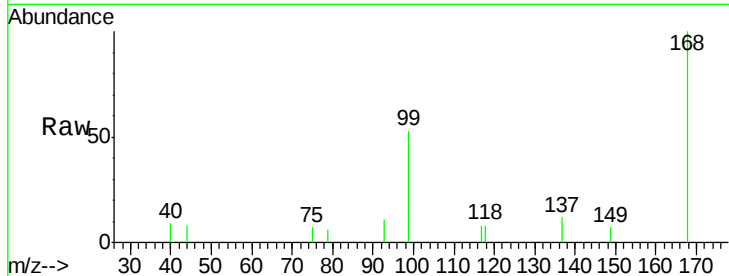
#36
 1,1-Dichloropropene
 Concen: 1.560 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. -0.05 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6S2RE

Tot Ion:	75	Resp:	399
Ion Ratio	Lower	Upper	
75	100		
110	0.0	20.4	61.3#
77	0.0	24.9	37.3#

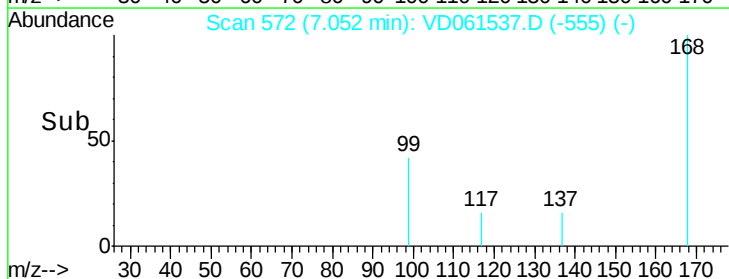
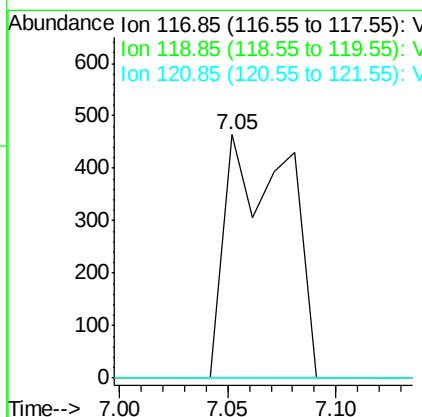
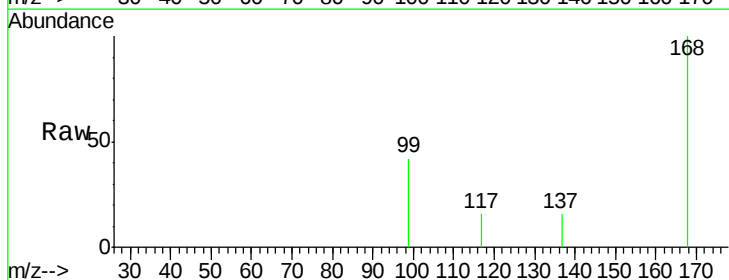
Manual Integrations
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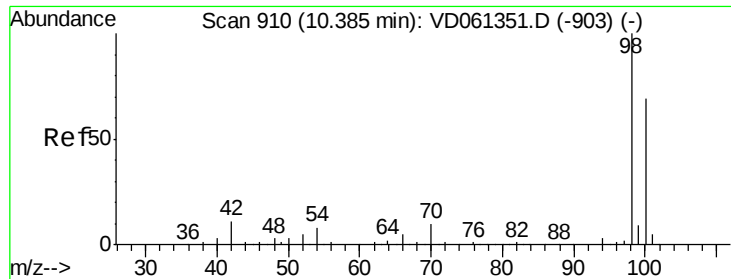
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#38
 Carbon Tetrachloride
 Concen: 3.205 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Tgt Ion:	117	Resp:	942
Ion Ratio	Lower	Upper	
117	100		
119	0.0	80.1	120.1#
121	0.0	25.6	38.4#





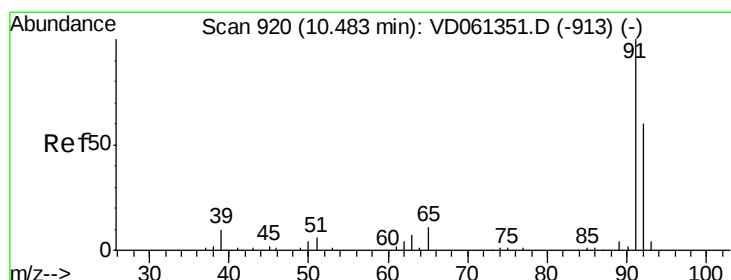
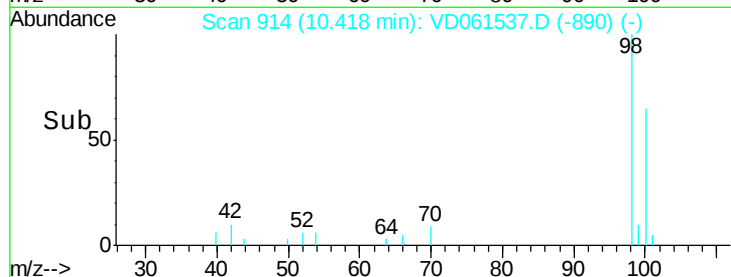
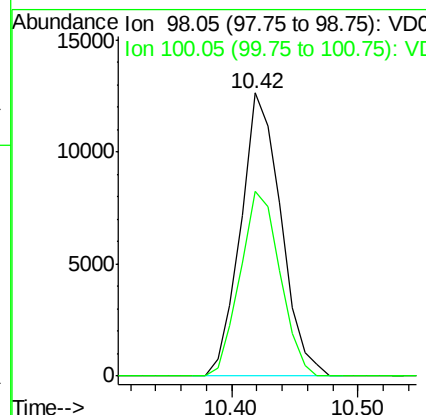
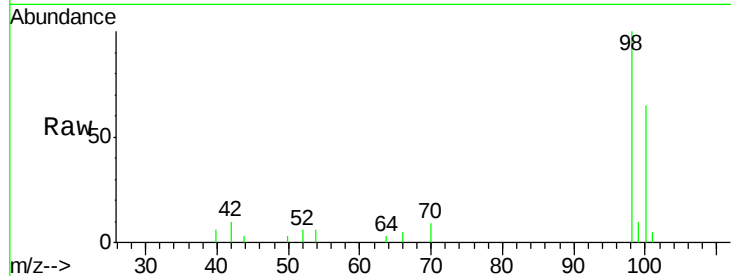
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061537.D
Acq: 3 Apr 2019 4:34

Instrument :
MSVOA_D
ClientSampleId :
TP-6S2RE

Tot Ion: 98 Resp: 27861
Ion Ratio Lower Upper
98 100
100 65.4 56.2 84.2

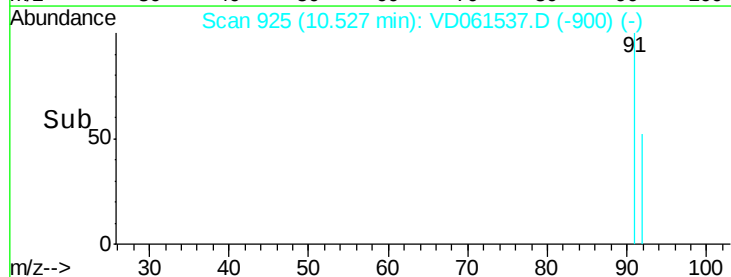
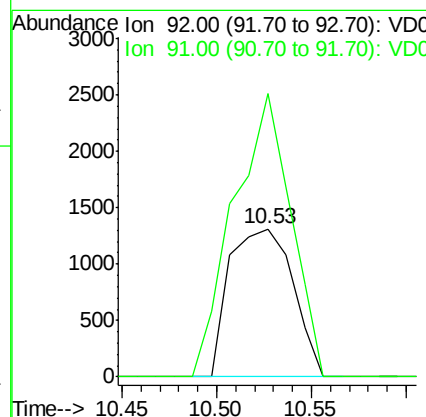
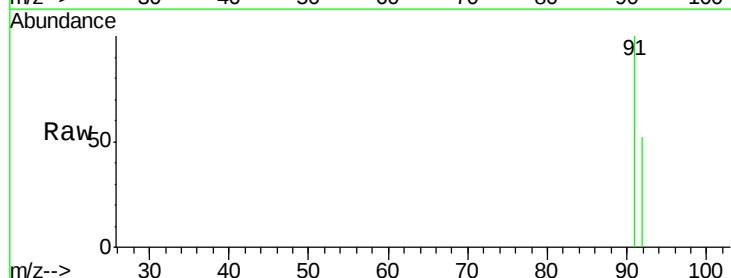
Manual Integrations
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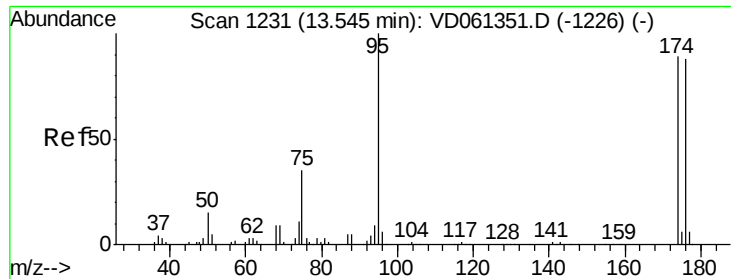
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4/3/2019 1:03:16 PM



#52
Toluene
Concen: 7.798 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.04 min
Lab File: VD061537.D
Acq: 3 Apr 2019 4:34

Tgt Ion: 92 Resp: 3054
Ion Ratio Lower Upper
92 100
91 190.8 133.3 199.9





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Instrument :

MSVOA_D

ClientSampleId :

TP-6S2RE

Tot Ion: 95 Resp: 14786

Ion Ratio Lower Upper

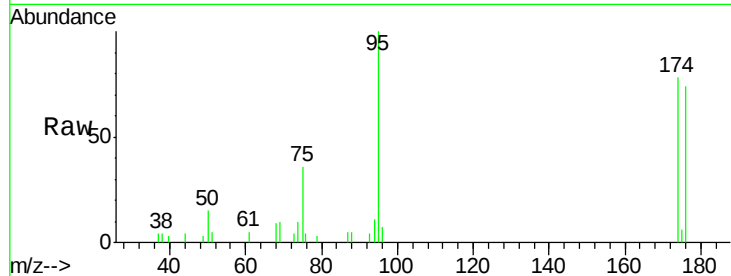
95 100

174 78.2 0.0 178.0

176 73.6 0.0 175.0

Manual Integrations
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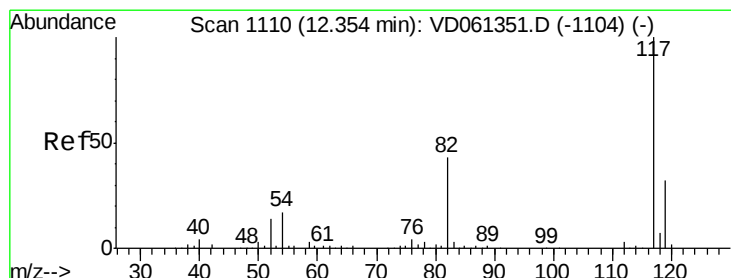
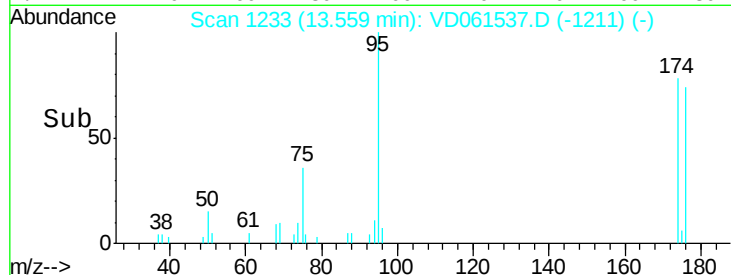
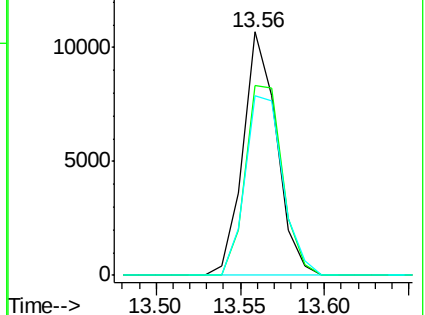
MMDadoda
4/3/2019 1:03:16 PM



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

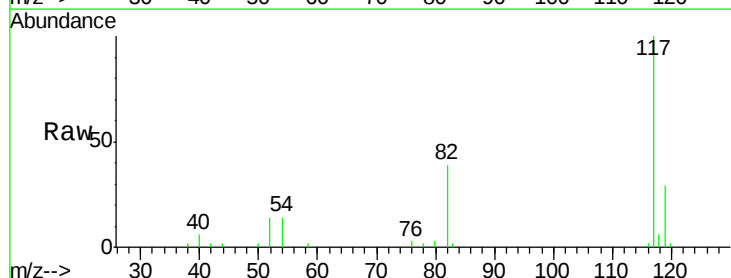
Tgt Ion: 117 Resp: 32148

Ion Ratio Lower Upper

117 100

82 38.6 34.4 51.6

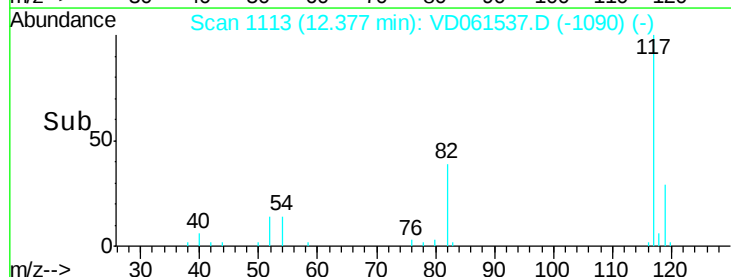
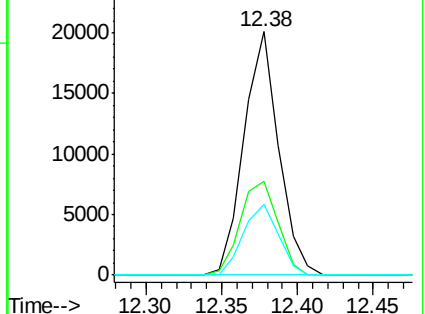
119 29.2 25.8 38.6

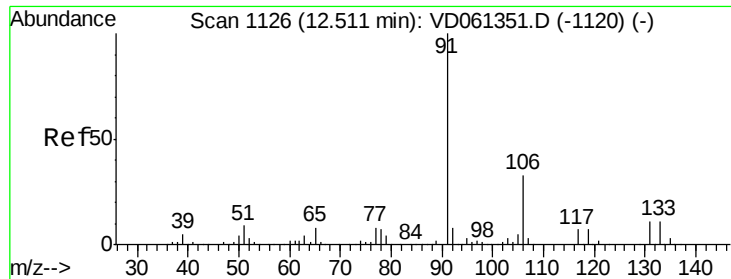


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#67

Ethyl Benzene

Concen: 1.124 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Instrument :

MSVOA_D

ClientSampleId :

TP-6S2RE

Tot Ion: 91 Resp: 1127

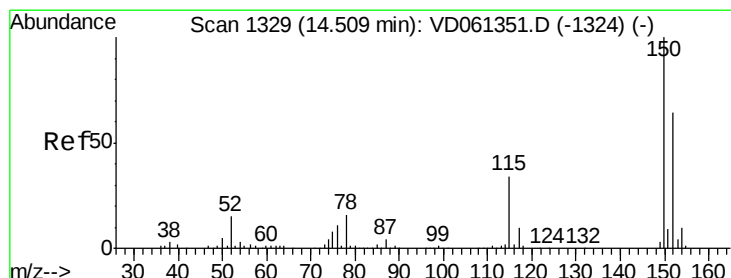
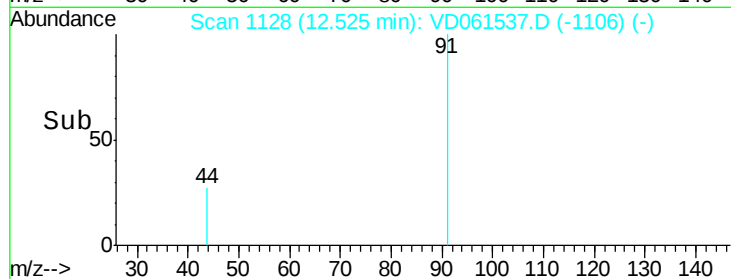
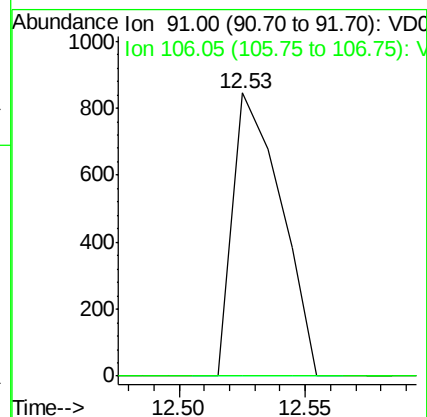
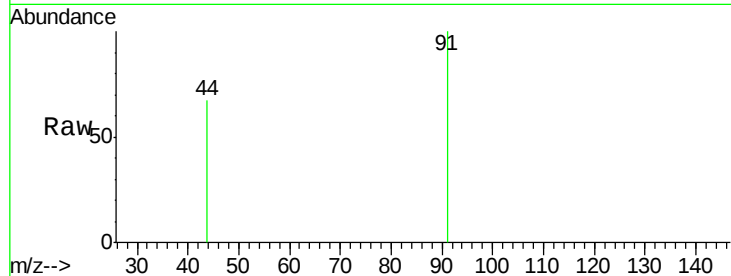
Ion Ratio Lower Upper

91 100

106 0.0 26.1 39.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

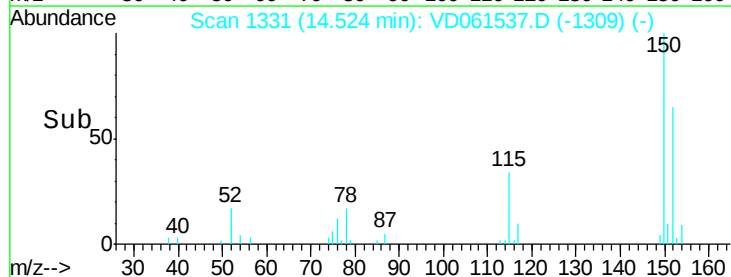
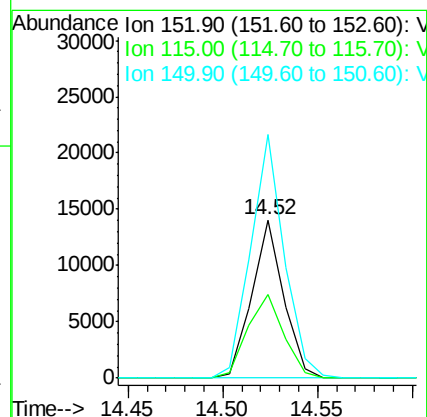
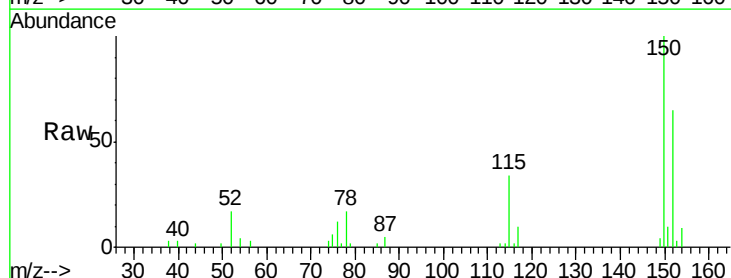
Tgt Ion: 152 Resp: 16347

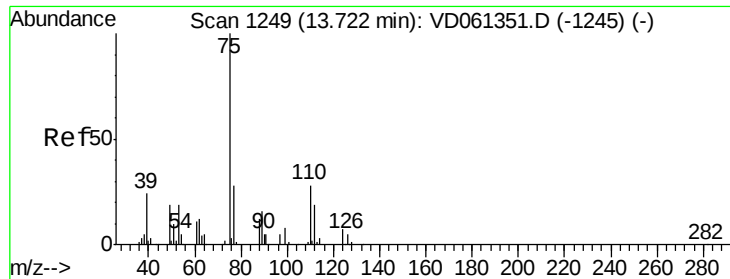
Ion Ratio Lower Upper

152 100

115 53.0 26.9 80.6

150 153.7 0.0 318.0





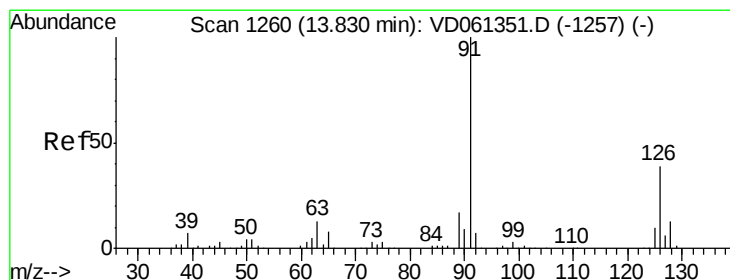
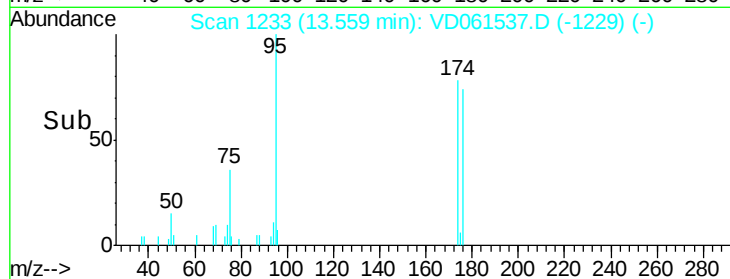
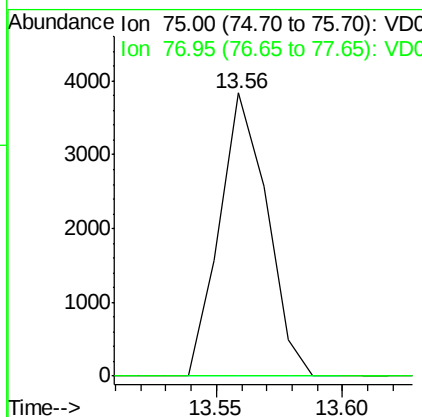
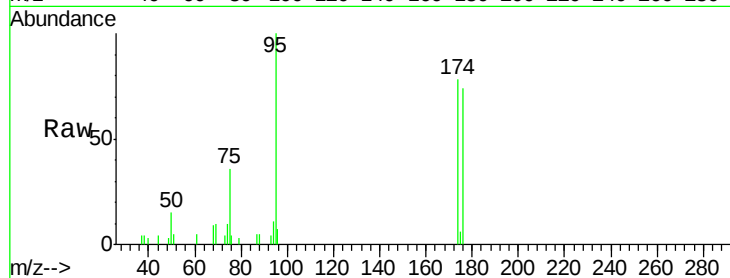
#76
 1,2,3-Trichloropropane
 Concen: 21.140 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6S2RE

Tot Ion: 75 Resp: 4992
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.2 48.5#

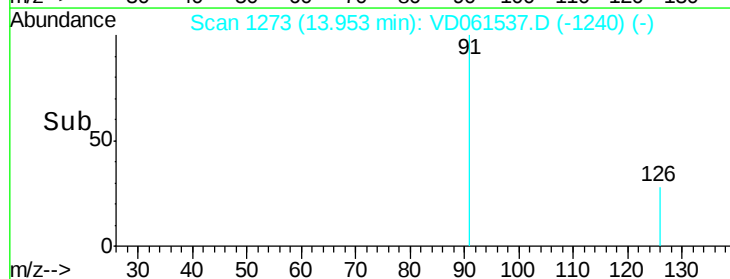
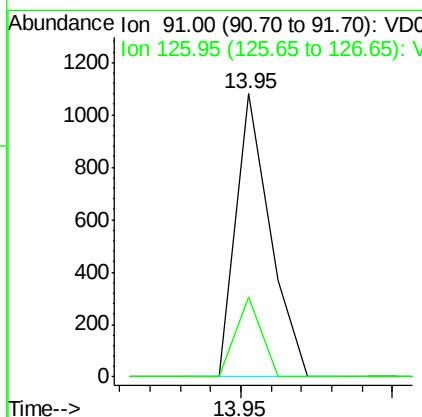
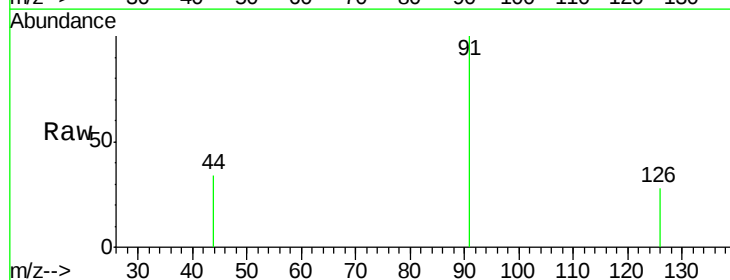
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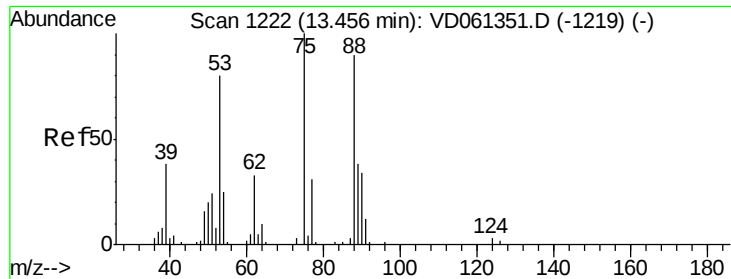
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 4/3/2019 1:03:16 PM



#79
 2-Chlorotoluene
 Concen: 1.132 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. 0.12 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Tgt Ion: 91 Resp: 856
 Ion Ratio Lower Upper
 91 100
 126 28.1 19.4 58.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.335 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Instrument :

MSVOA_D

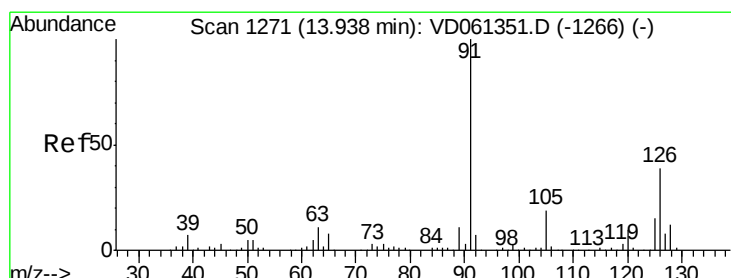
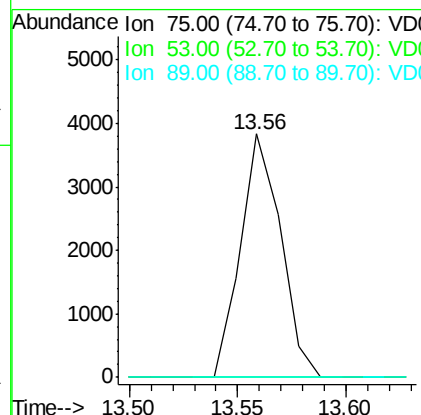
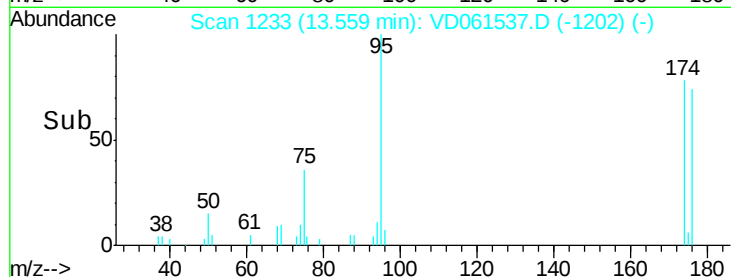
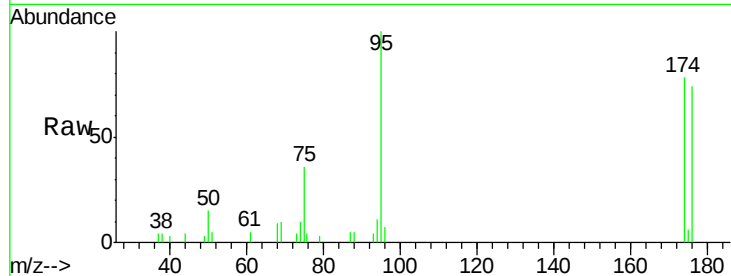
ClientSampleId :

TP-6S2RE

Tot Ion:	75	Resp:	4992
Ion Ratio	Lower	Upper	
75	100		
53	0.0	63.8	95.8#
89	0.0	30.5	45.7#

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#82

4-Chlorotoluene

Concen: 1.041 ug/l

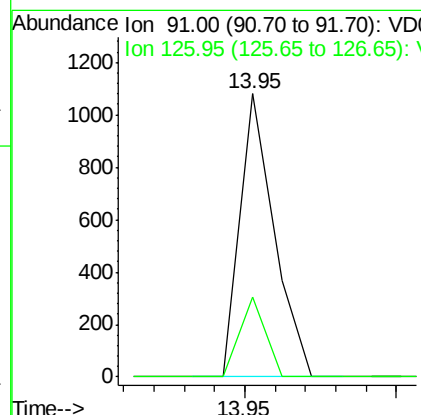
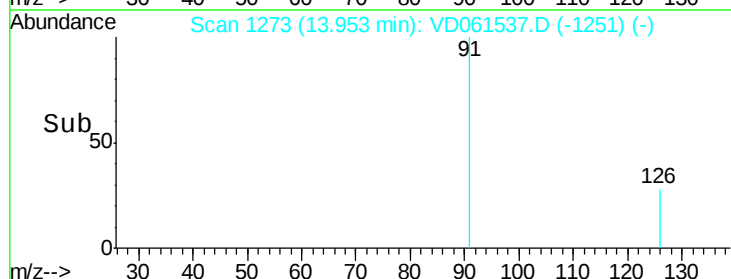
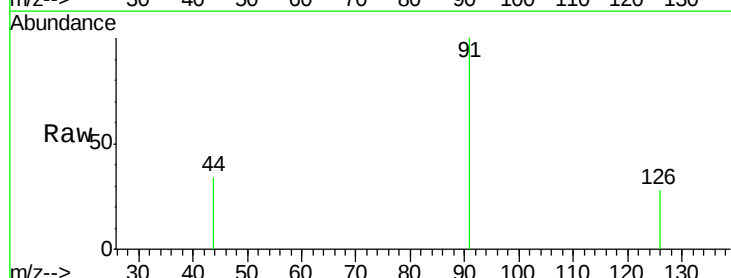
RT: 13.95 min Scan# 1273

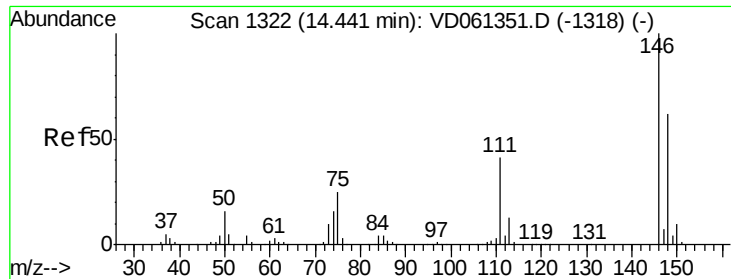
Delta R.T. 0.01 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Tgt Ion:	91	Resp:	856
Ion Ratio	Lower	Upper	
91	100		
126	28.1	19.6	58.8





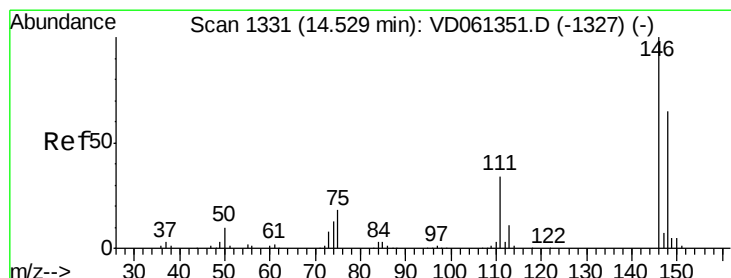
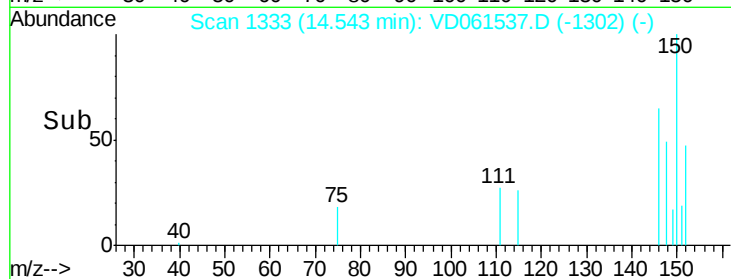
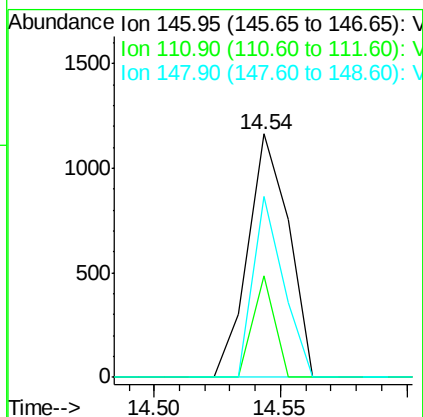
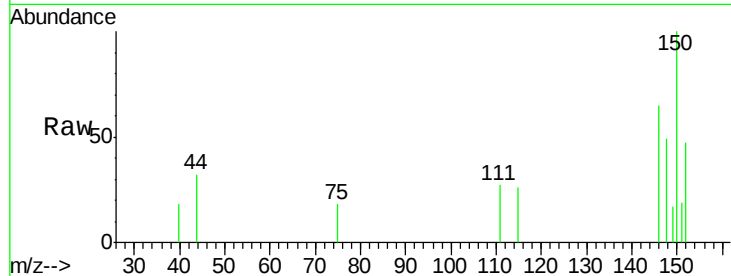
#87
 1,3-Dichlorobenzene
 Concen: 2.297 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.10 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6S2RE

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.9
148	74.2	31.1	93.3

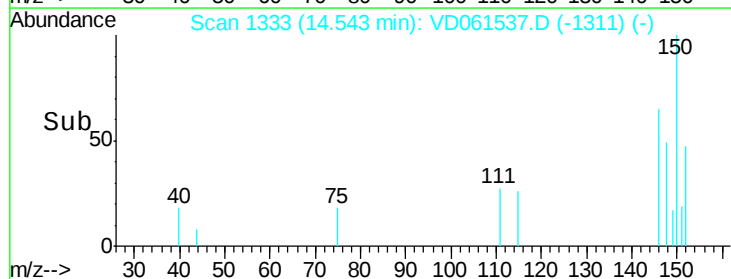
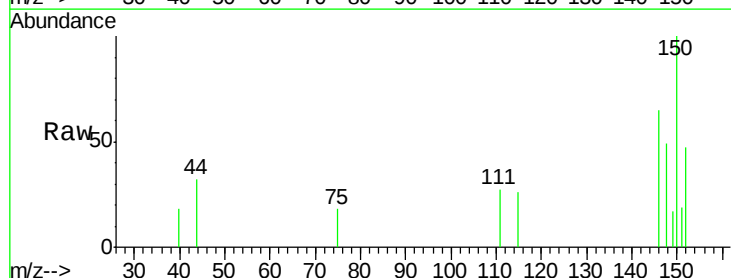
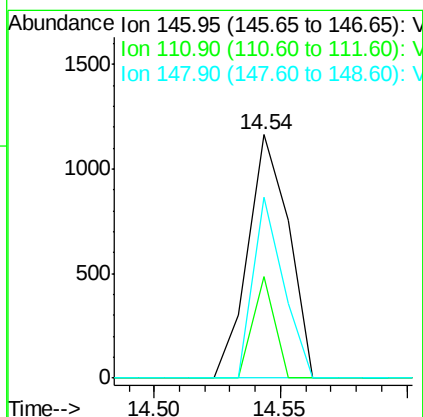
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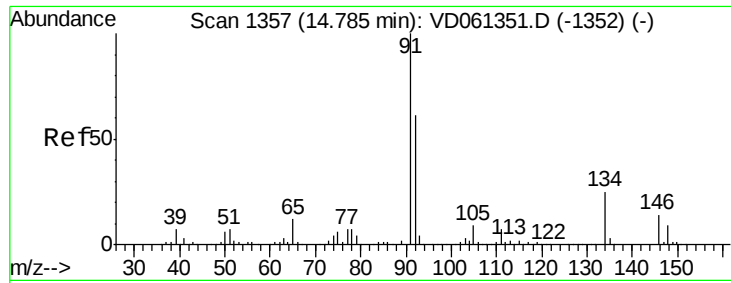
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#88
 1,4-Dichlorobenzene
 Concen: 2.355 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	16.8	50.4
148	74.2	32.6	98.0





#89

n-Butylbenzene

Concen: 1.003 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Instrument :

MSVOA_D

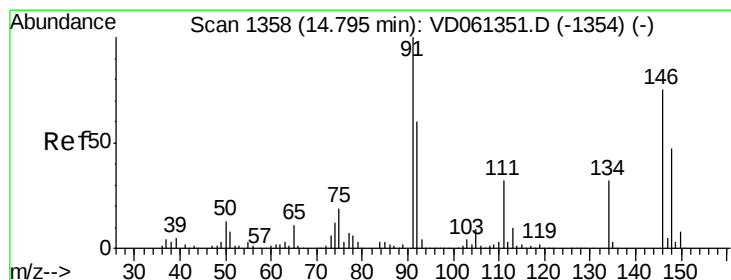
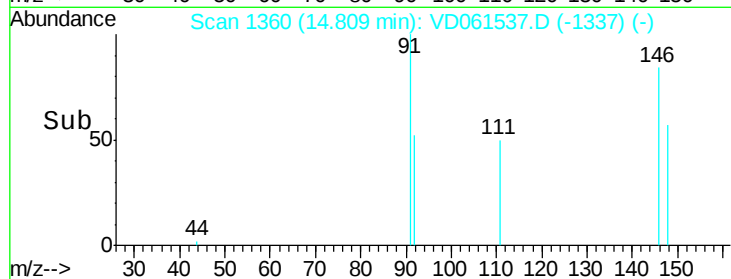
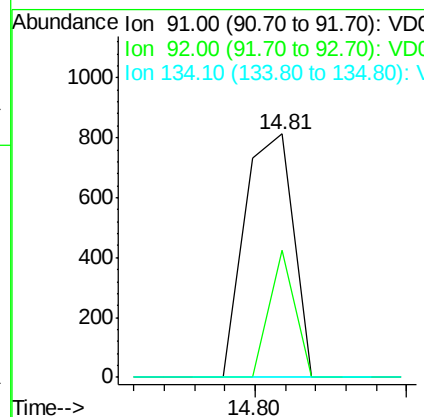
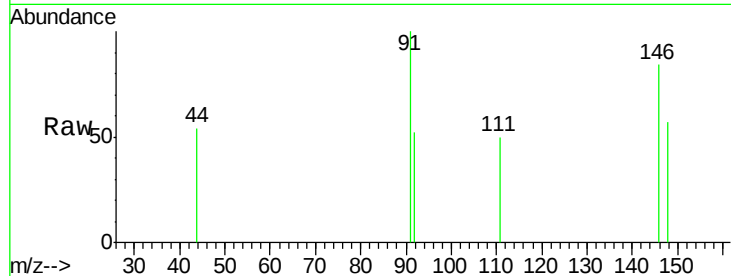
ClientSampleId :

TP-6S2RE

Tot Ion:	91	Resp:	912
Ion Ratio	Lower	Upper	
91	100		
92	52.2	30.3	91.0
134	0.0	12.4	37.0#

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#91

1,2-Dichlorobenzene

Concen: 1.671 ug/l

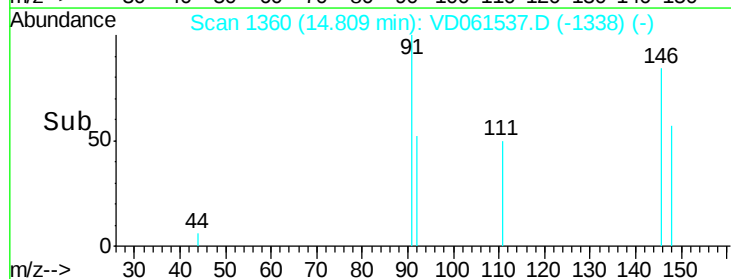
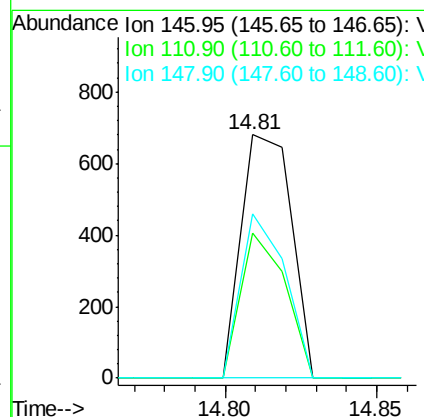
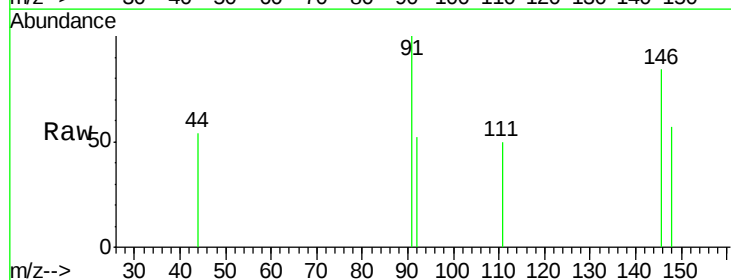
RT: 14.81 min Scan# 1360

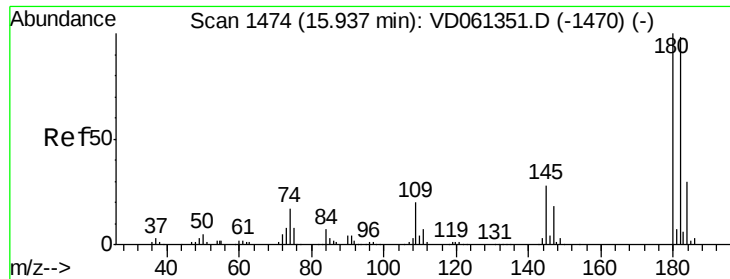
Delta R.T. 0.01 min

Lab File: VD061537.D

Acq: 3 Apr 2019 4:34

Tgt Ion:	146	Resp:	783
Ion Ratio	Lower	Upper	
146	100		
111	59.6	21.2	63.6
148	67.5	31.6	95.0





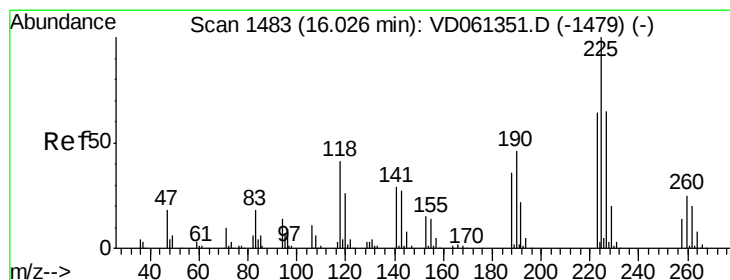
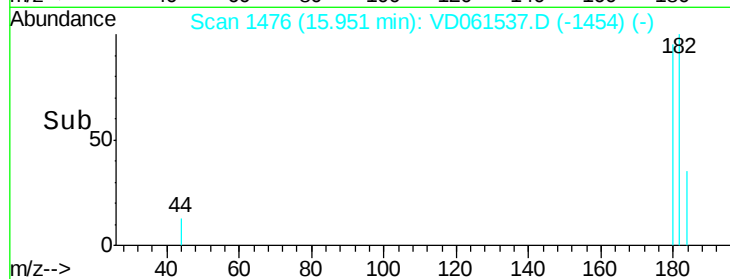
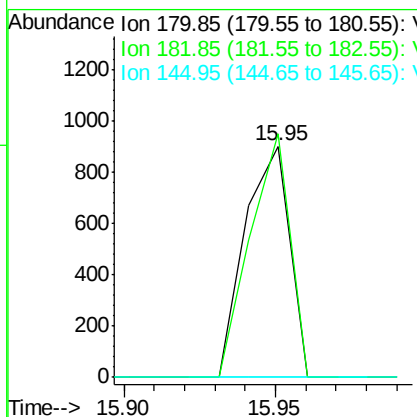
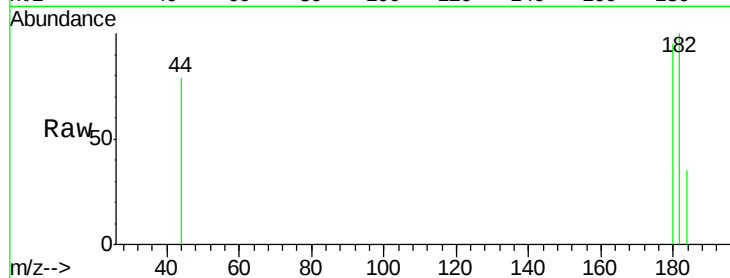
#93
 1,2,4-Trichlorobenzene
 Concen: 4.348 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6S2RE

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	105.3	48.9	146.8	
145	0.0	14.1	42.3#	

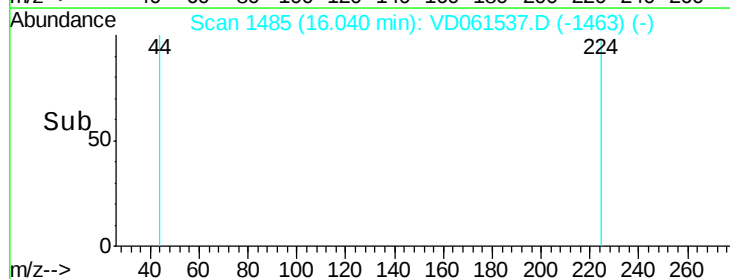
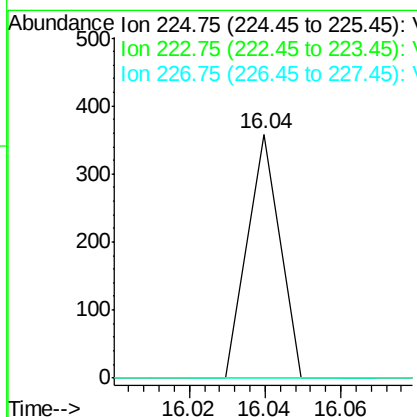
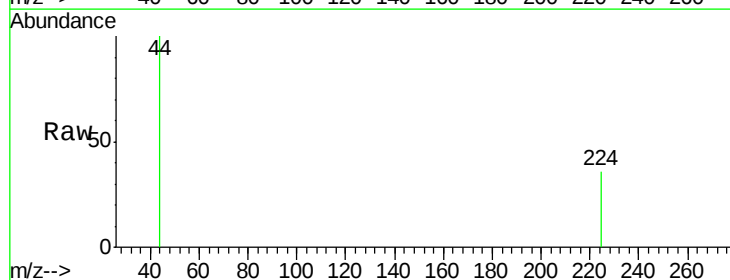
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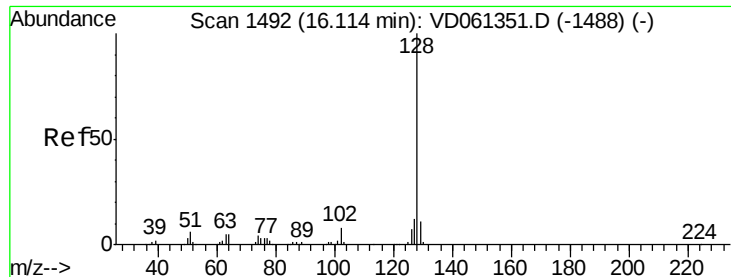
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#94
 Hexachlorobutadiene
 Concen: 1.265 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061537.D
 Acq: 3 Apr 2019 4:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	0.0	32.0	96.0#	
227	0.0	32.4	97.2#	





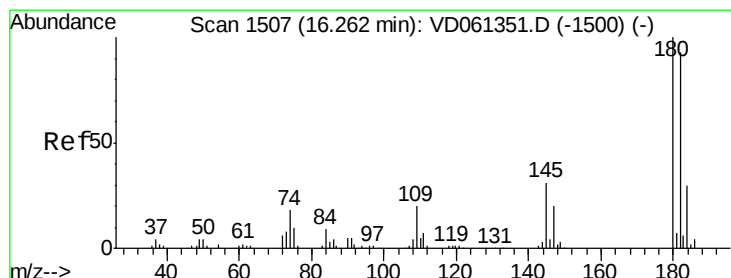
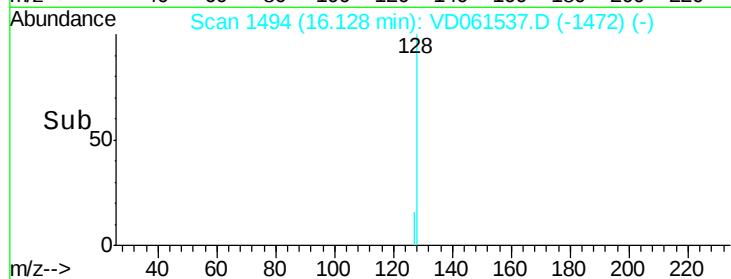
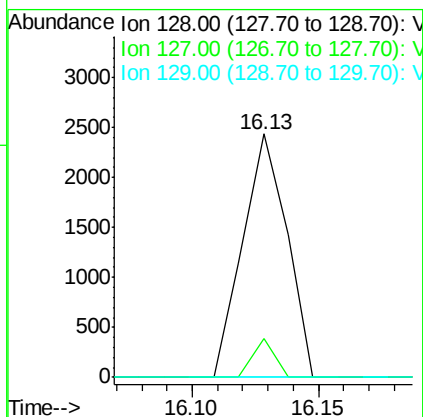
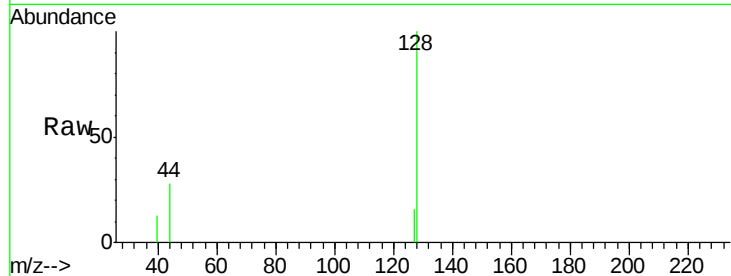
#95
Naphthalene
Concen: 9.096 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061537.D
Acq: 3 Apr 2019 4:34

Instrument :
MSVOA_D
ClientSampleId :
TP-6S2RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	9.9	14.9#
129	0.0	8.9	13.3#

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#96
1,2,3-Trichlorobenzene
Concen: 5.026 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061537.D
Acq: 3 Apr 2019 4:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	125.3	46.4	139.1
145	0.0	15.3	45.9#

