

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062130.D
 Acq On : 6 May 2019 14:56
 Operator : FY/SY
 Sample : K2668-05RE
 Misc : 4.75g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3RE

Quant Time: May 07 05:09:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	359053	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	600919	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	581618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	236422	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	182175	64.83	ug/l	-0.01
Spiked Amount			Recovery	=	129.66%	
35) Dibromofluoromethane	6.92	113	250377	60.25	ug/l	-0.01
Spiked Amount			Recovery	=	120.50%	
50) Toluene-d8	10.40	98	523145	52.90	ug/l	-0.01
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	13.56	95	244615	61.67	ug/l	0.00
Spiked Amount			Recovery	=	123.34%	

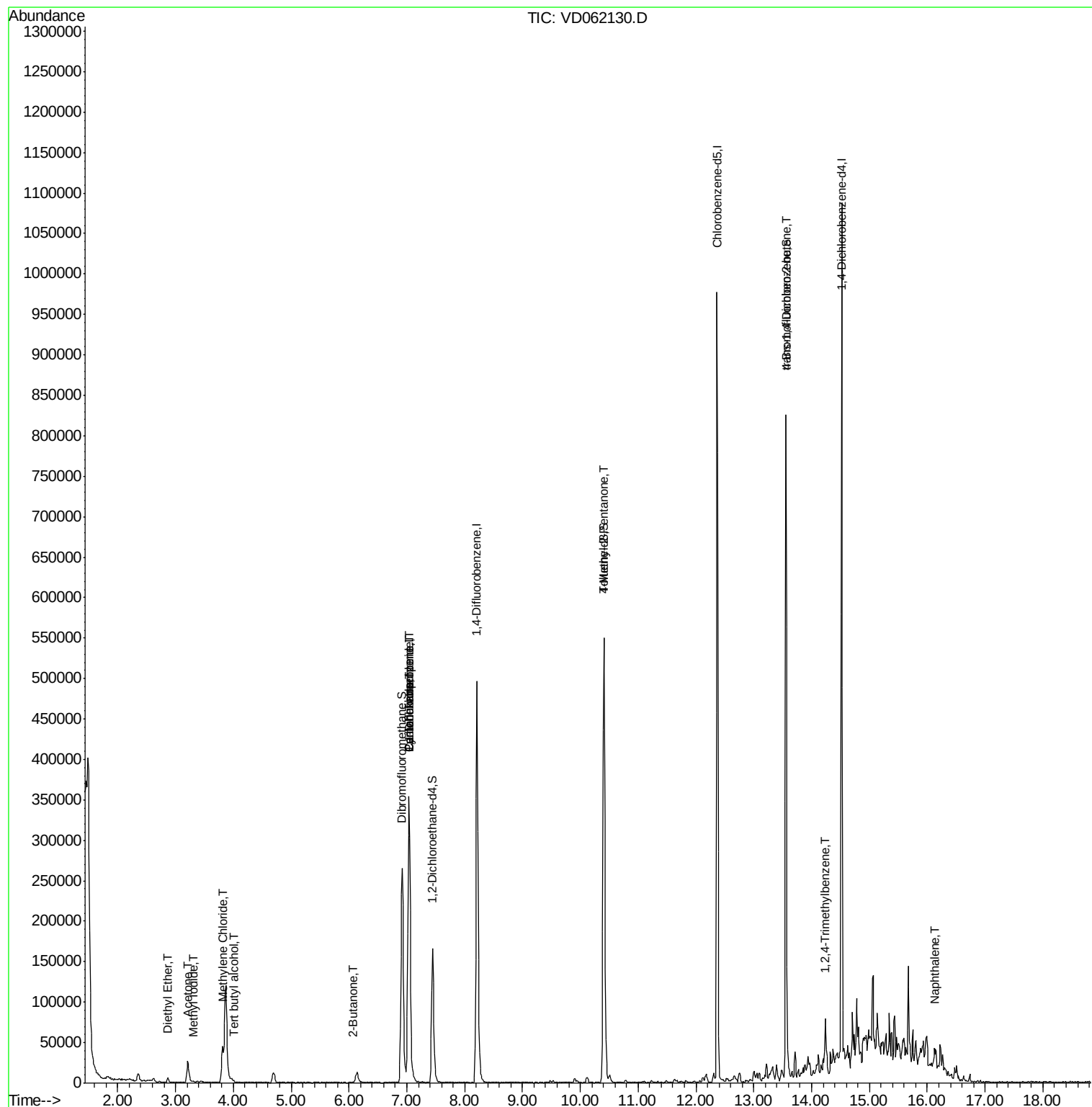
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	1923	1.921	ug/l	97
10) Methyl Iodide	3.32	142	441	5.503	ug/l #	37
11) Tert butyl alcohol	4.02	59	506	3.187	ug/l #	76
16) Acetone	3.21	43	51628	76.944	ug/l #	90
18) Methyl Acetate	3.63	43	618	Below Cal	#	53
20) Methylene Chloride	3.81	84	34216	7.782	ug/l	91
25) 2-Butanone	6.06	43	1648	2.026	ug/l #	56
31) Cyclohexane	7.03	56	7162	1.711	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	26622	5.686	ug/l #	46
38) Carbon Tetrachloride	7.04	117	34959	5.893	ug/l #	12
51) 4-Methyl-2-Pentanone	10.40	43	2621	1.470	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	96515	106.086	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.23	105	30734	2.560	ug/l	94
95) Naphthalene	16.12	128	12828	2.253	ug/l	98

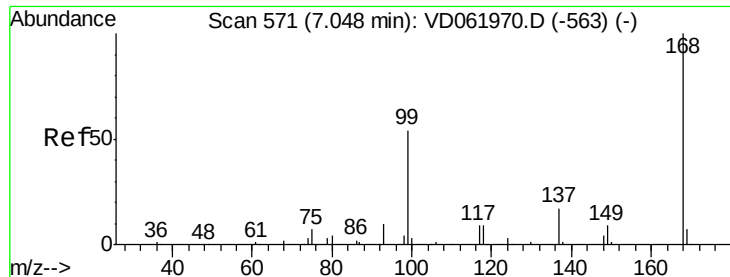
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062130.D

Acq: 6 May 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

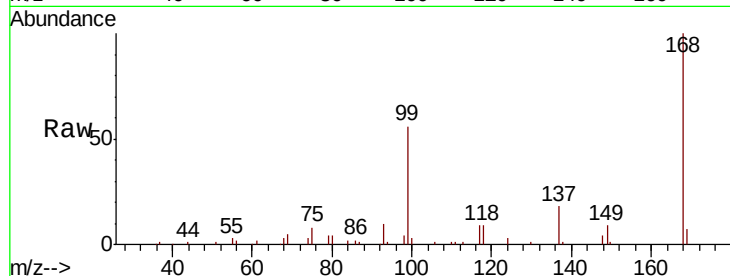
TP-3RE

Tot Ion:168 Resp: 359053

Ion Ratio Lower Upper

168 100

99 56.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

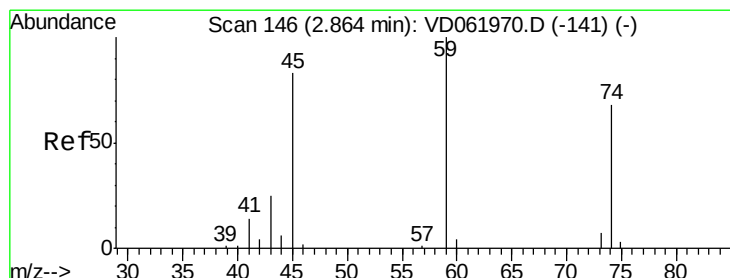
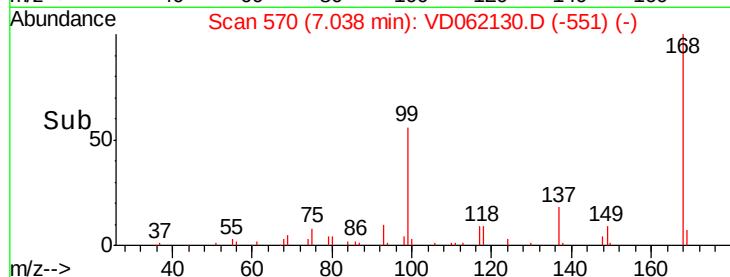
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#8

Diethyl Ether

Concen: 1.921 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD062130.D

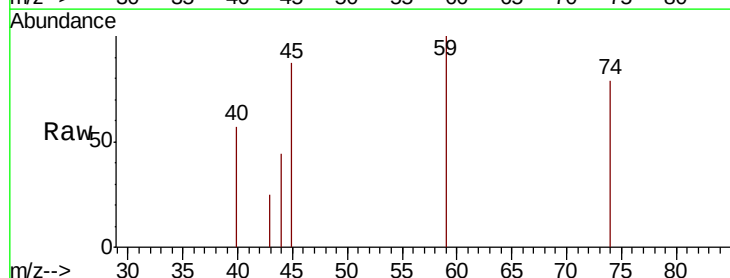
Acq: 6 May 2019 14:56

Tgt Ion: 74 Resp: 1923

Ion Ratio Lower Upper

74 100

45 110.8 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.87

1500

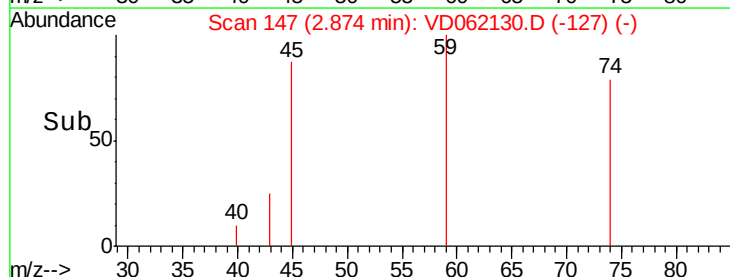
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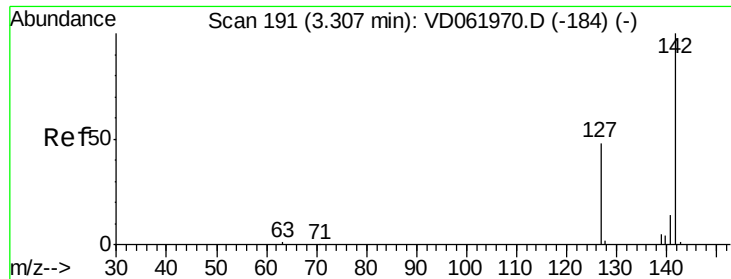
500

0

2.85 2.90

Time-->

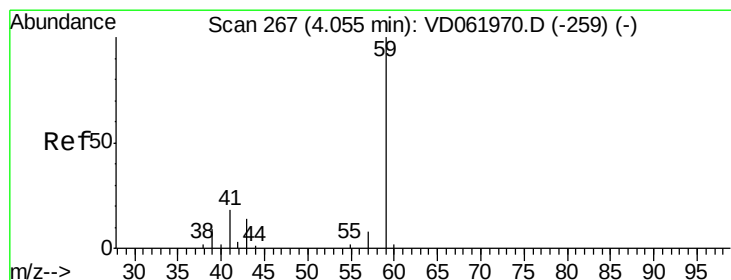
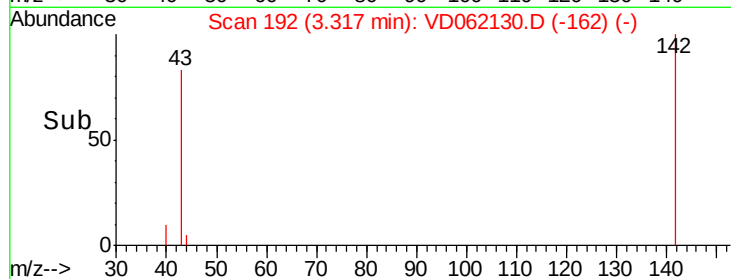
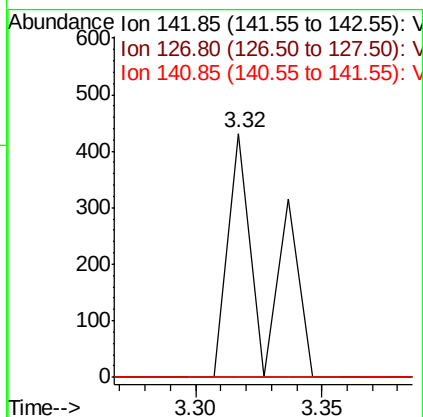
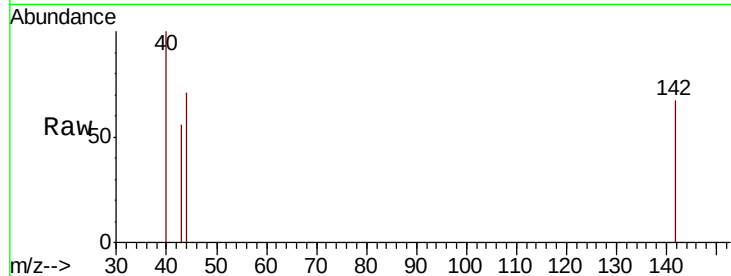




#10
Methyl Iodide
Concen: 5.503 ug/l
RT: 3.32 min Scan# 192
Delta R.T. -0.00 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

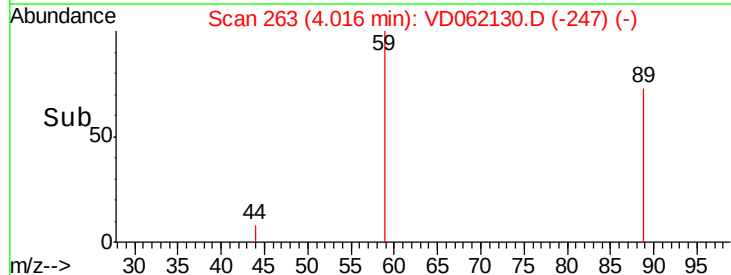
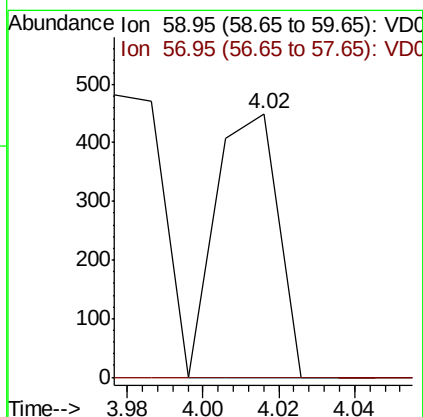
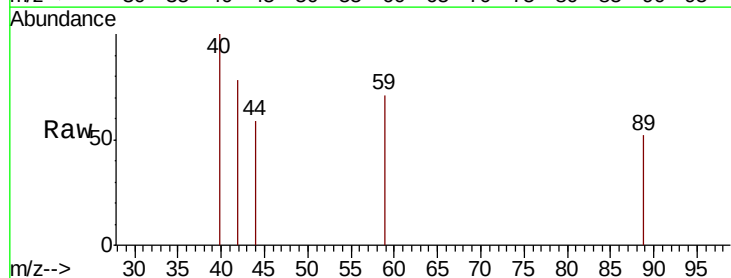
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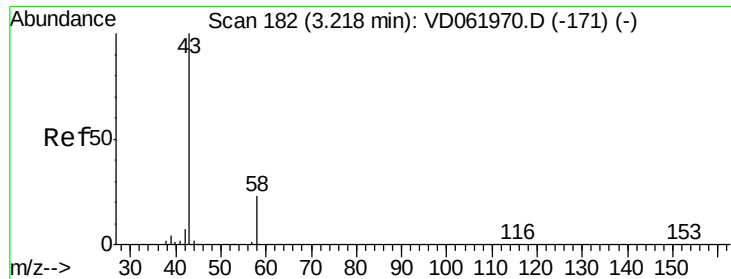
Tot Ion:142 Resp: 441
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.187 ug/l
RT: 4.02 min Scan# 263
Delta R.T. -0.04 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

Tgt Ion: 59 Resp: 506
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#16

Acetone

Concen: 76.944 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062130.D

Acq: 6 May 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

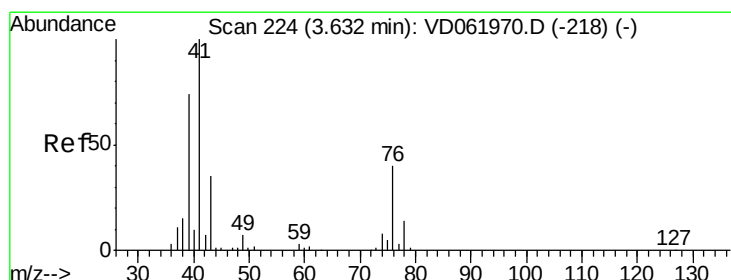
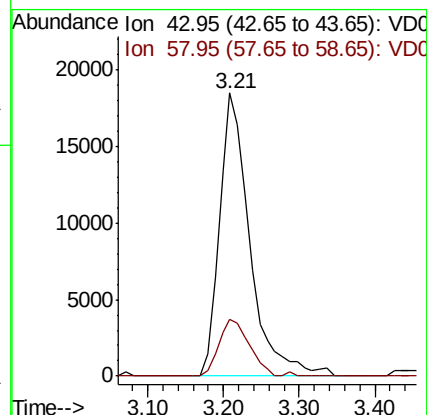
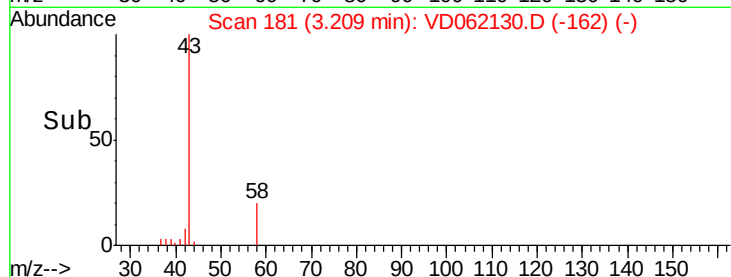
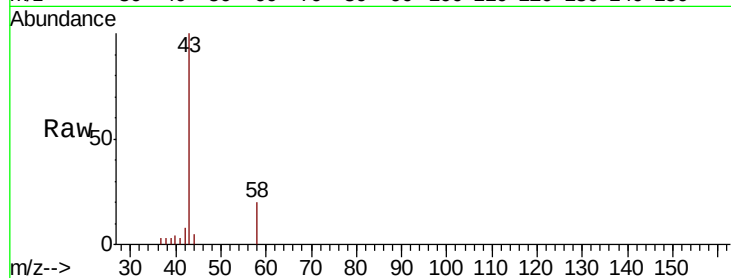
TP-3RE

Tot Ion: 43 Resp: 51628

Ion Ratio Lower Upper

43 100

58 19.9 19.9 29.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062130.D

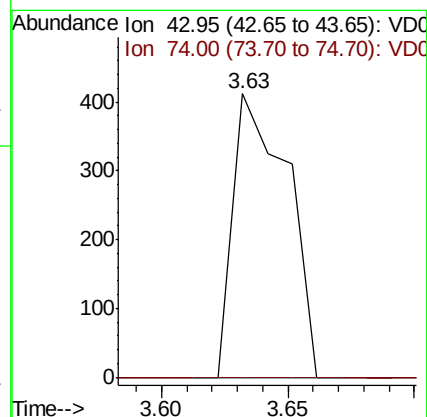
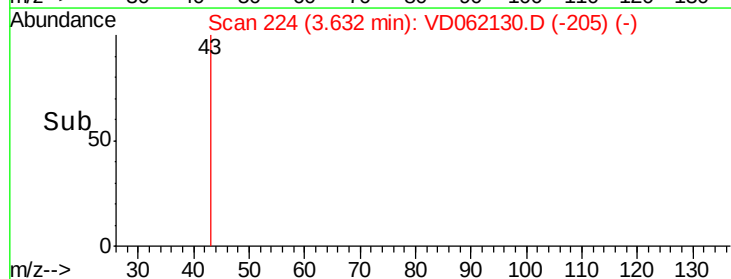
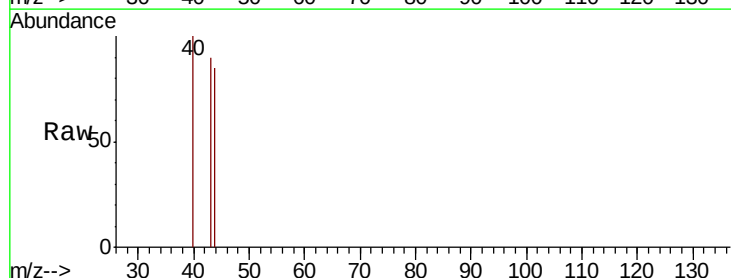
Acq: 6 May 2019 14:56

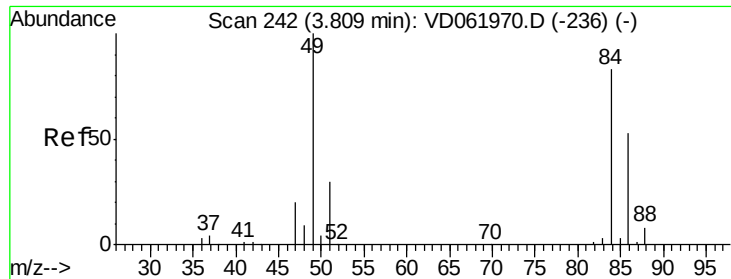
Tgt Ion: 43 Resp: 618

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#

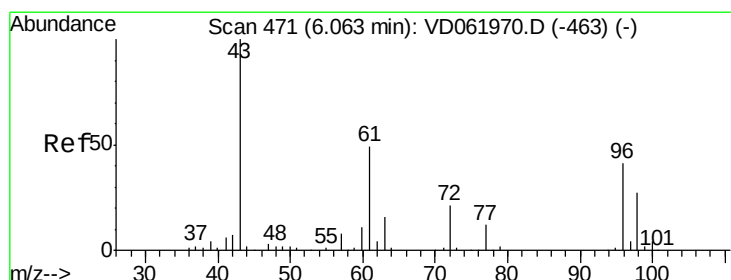
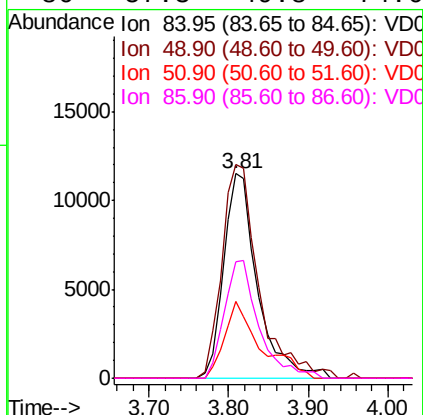
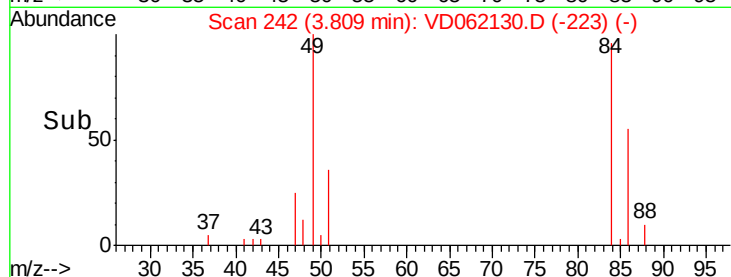
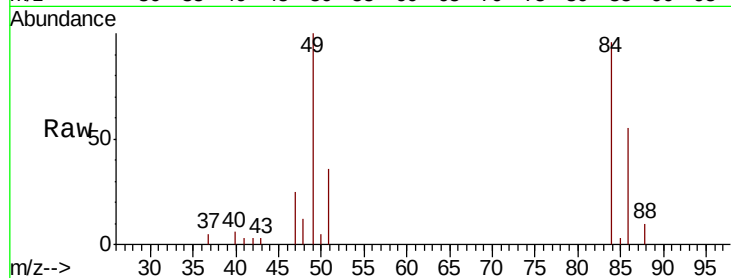




#20
Methvlene Chloride
Concen: 7.782 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

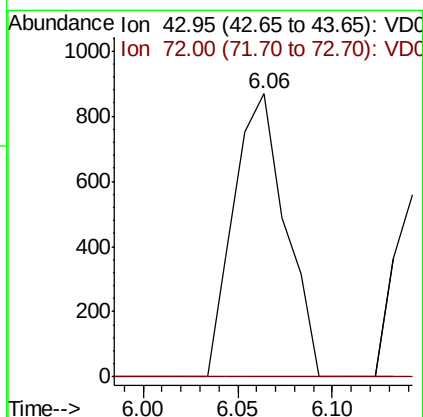
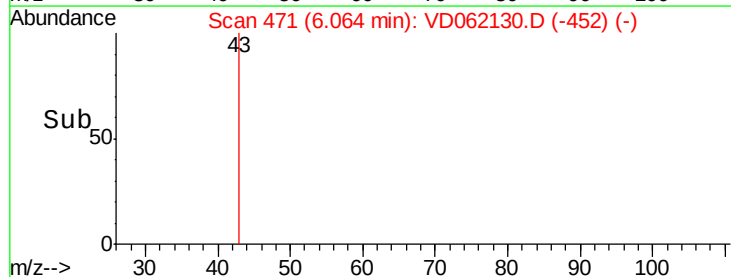
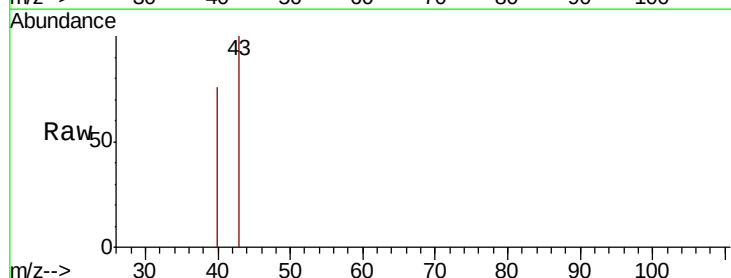
Instrument :
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TP-3RE

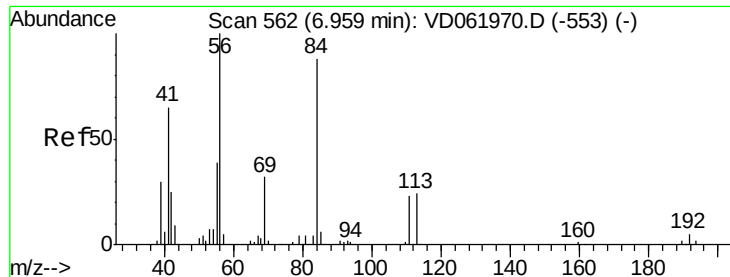
Tot Ion:	84	Resp:	34216
Ion	Ratio	Lower	Upper
84	100		
49	104.6	94.0	141.0
51	37.7	29.0	43.4
86	57.3	49.8	74.6



#25
2-Butanone
Concen: 2.026 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

Tgt Ion:	43	Resp:	1648
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.4#

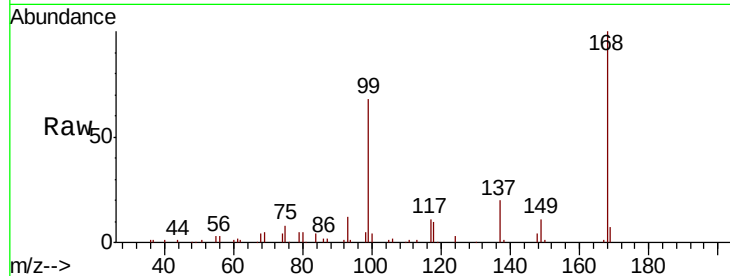




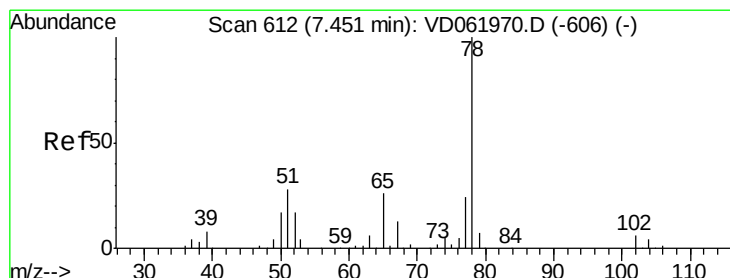
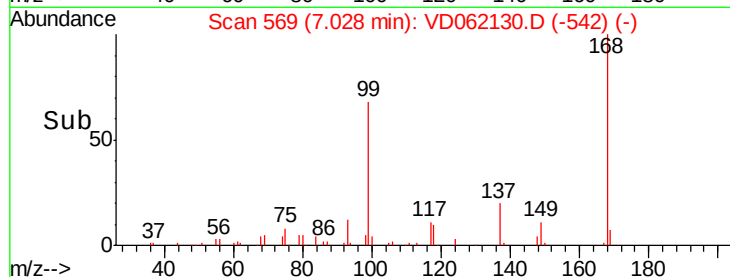
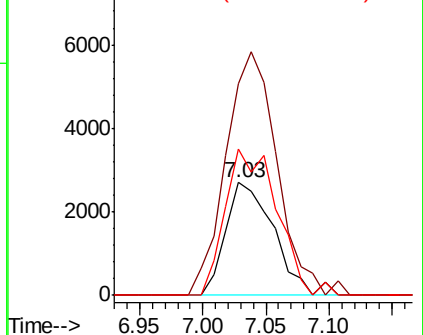
#31
Cyclohexane
Concen: 1.711 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

Tot Ion: 56 Resp: 7162
Ion Ratio Lower Upper
56 100
69 188.2 25.8 38.6#
84 129.9 72.2 108.4#

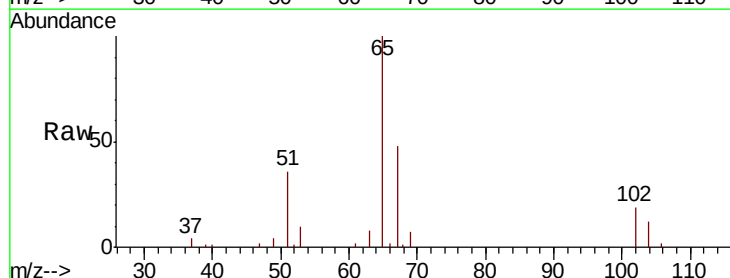


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

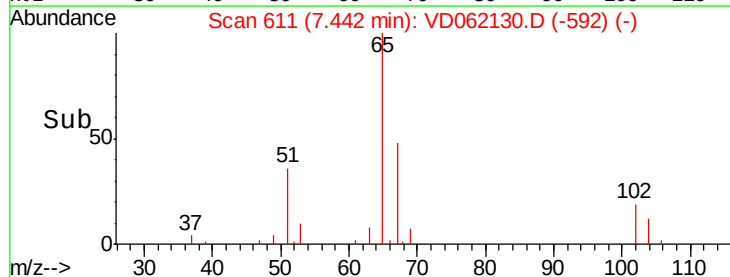
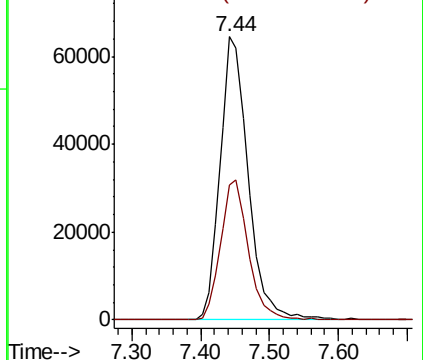


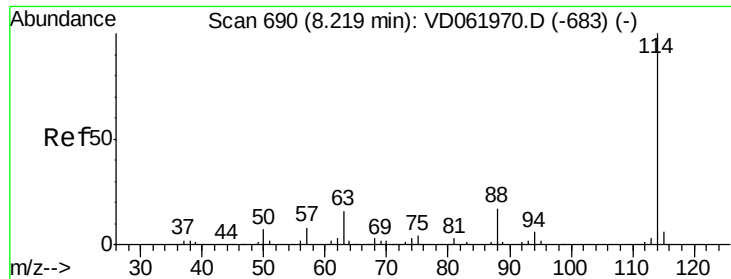
#33
1,2-Dichloroethane-d4
Concen: 64.827 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

Tgt Ion: 65 Resp: 182175
Ion Ratio Lower Upper
65 100
67 47.7 0.0 98.0



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

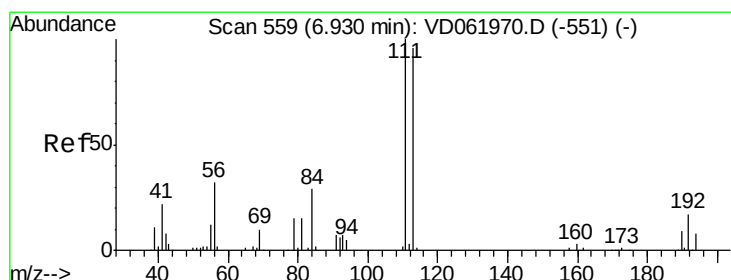
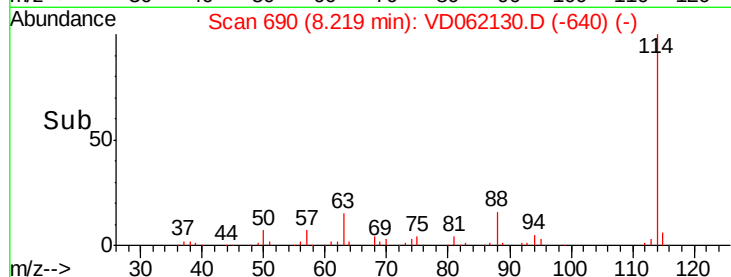
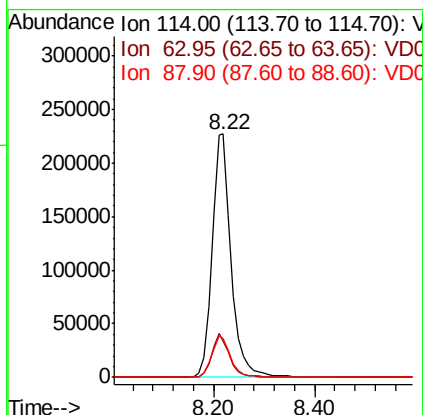
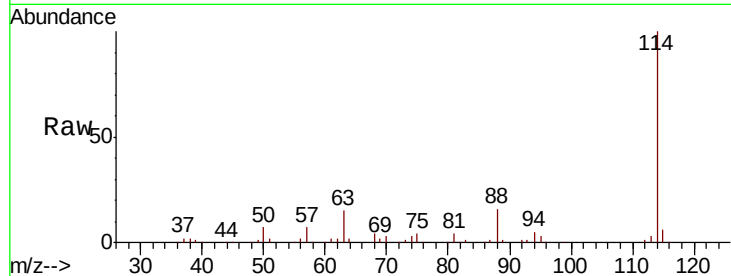




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

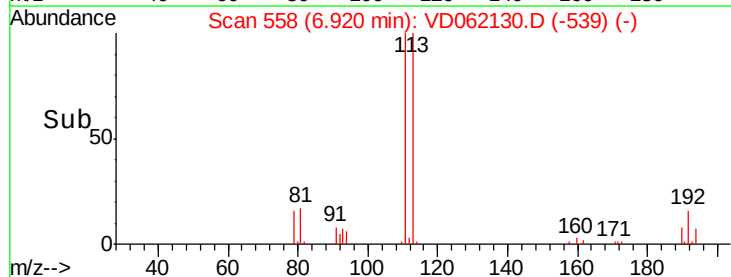
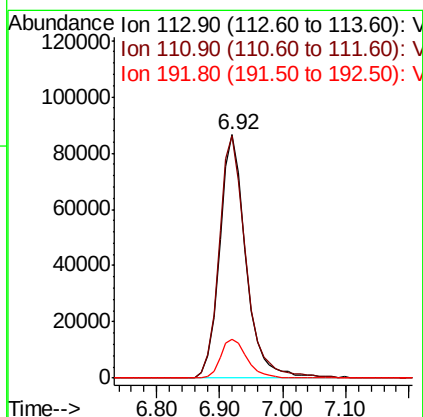
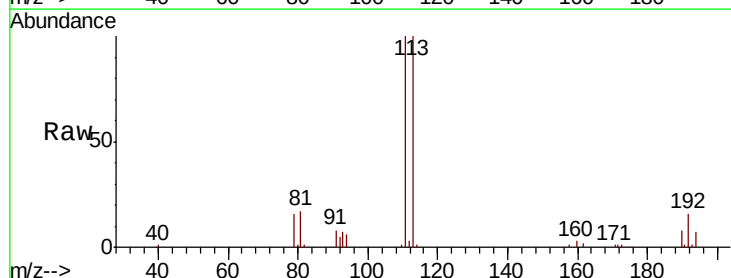
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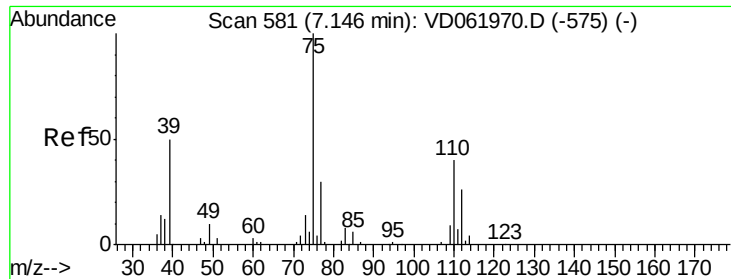
Tot Ion:114 Resp: 600919
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 32.4
 88 15.8 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 60.246 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

Tgt Ion:113 Resp: 250377
 Ion Ratio Lower Upper
 113 100
 111 99.6 78.5 117.7
 192 16.2 13.0 19.4

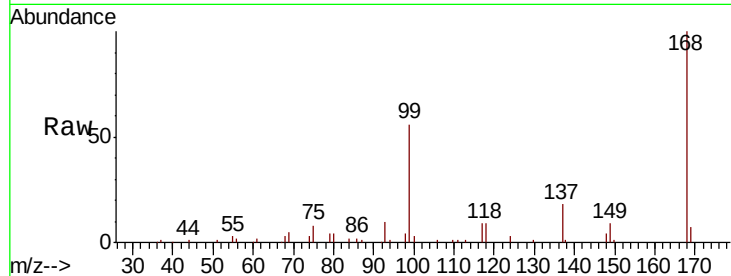




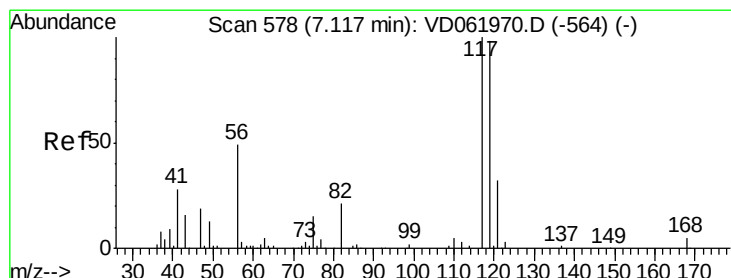
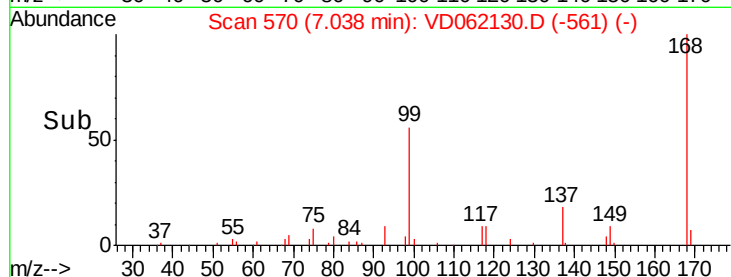
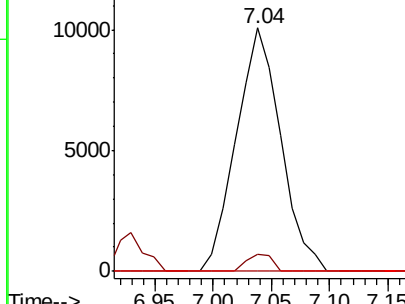
#36
 1,1-Dichloropropene
 Concen: 5.686 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-3RE

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	19.1	57.1#
77	0.0	25.6	38.4#

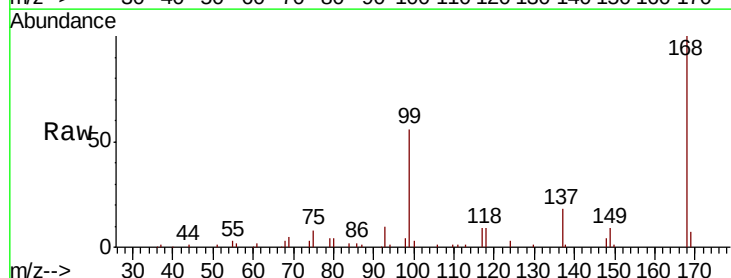


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

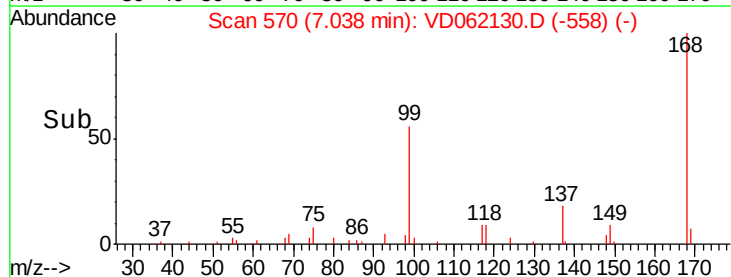
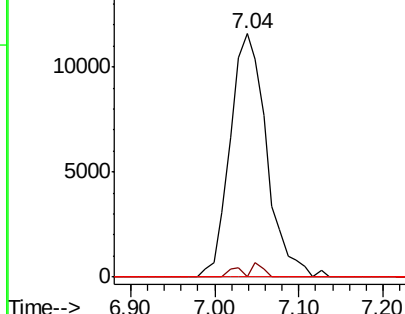


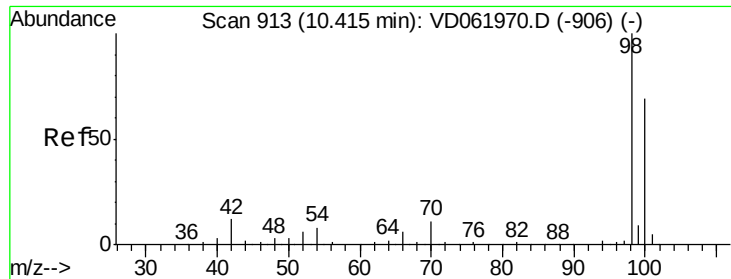
#38
 Carbon Tetrachloride
 Concen: 5.893 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#



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

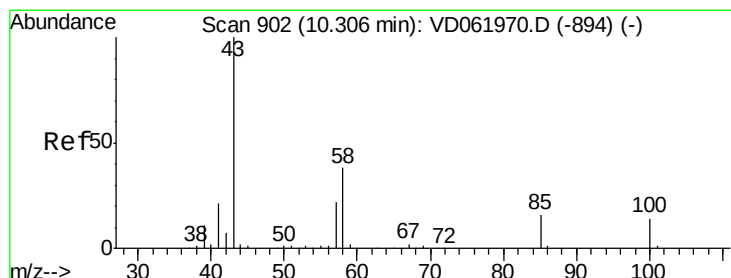
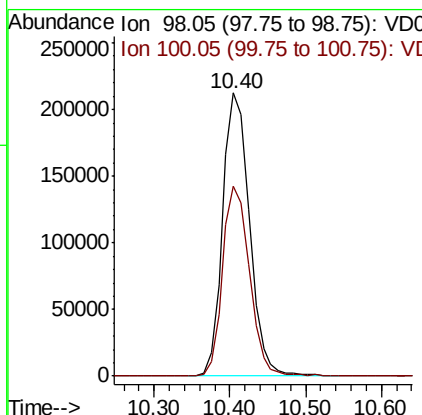
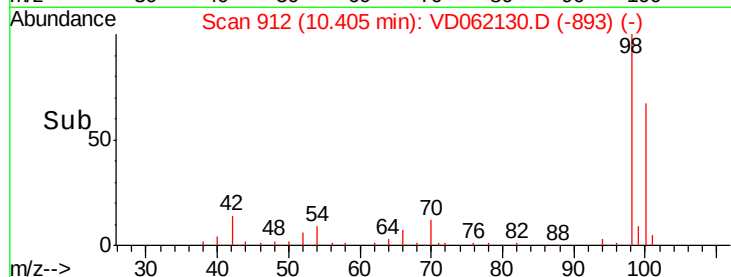
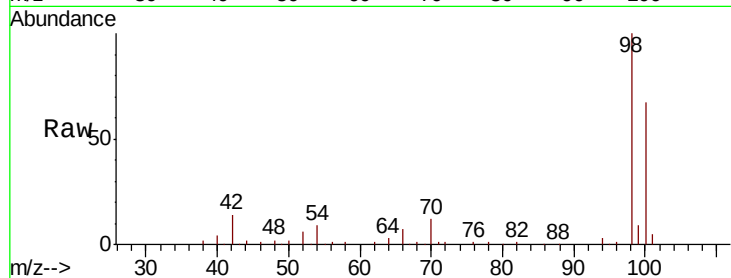




#50
Toluene-d8
Concen: 52.901 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

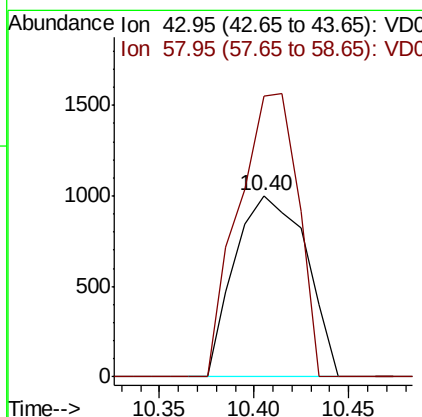
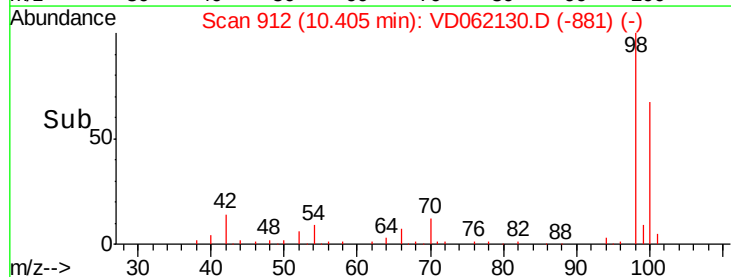
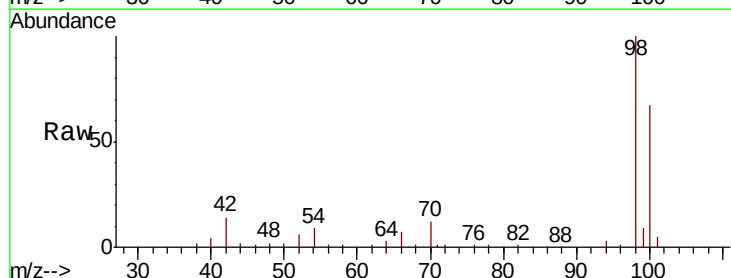
Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

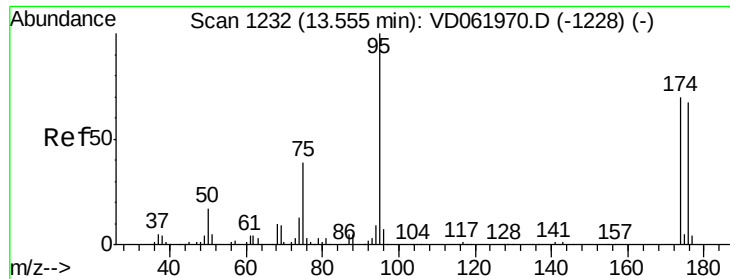
Tot Ion: 98 Resp: 523145
Ion Ratio Lower Upper
98 100
100 67.3 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.470 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062130.D
Acq: 6 May 2019 14:56

Tgt Ion: 43 Resp: 2621
Ion Ratio Lower Upper
43 100
58 155.1 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: 61.671 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062130.D

Acq: 6 May 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

TP-3RE

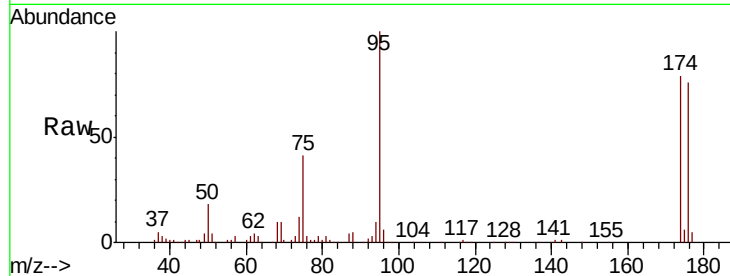
Tot Ion: 95 Resp: 244615

Ion Ratio Lower Upper

95 100

174 79.0 0.0 181.8

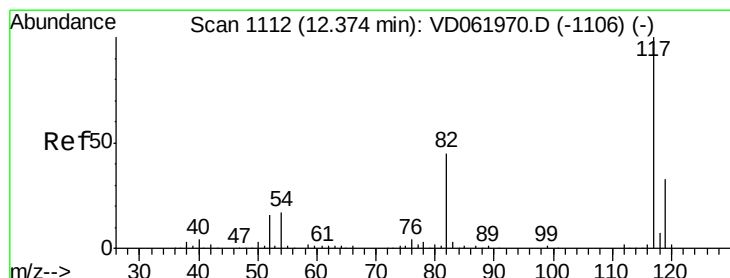
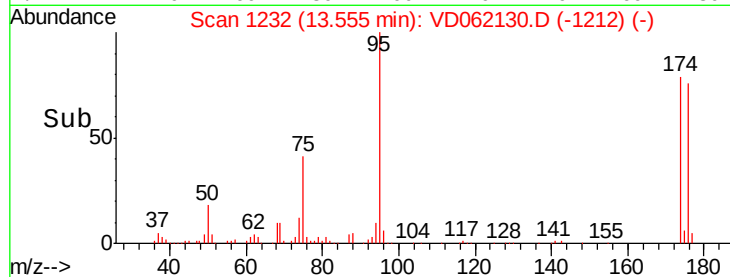
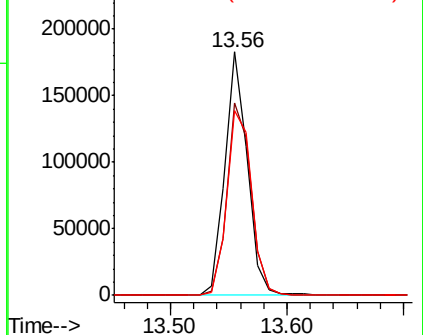
176 75.7 0.0 174.4



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: VD062130.D

Acq: 6 May 2019 14:56

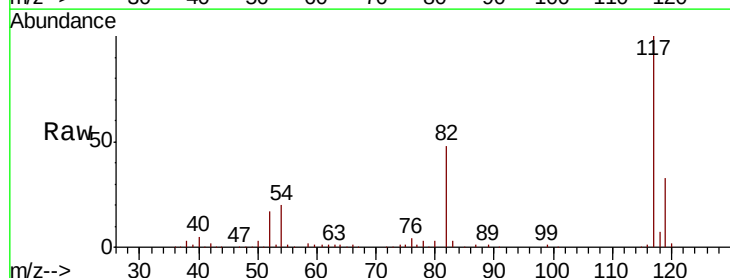
Tgt Ion: 117 Resp: 581618

Ion Ratio Lower Upper

117 100

82 48.0 36.2 54.2

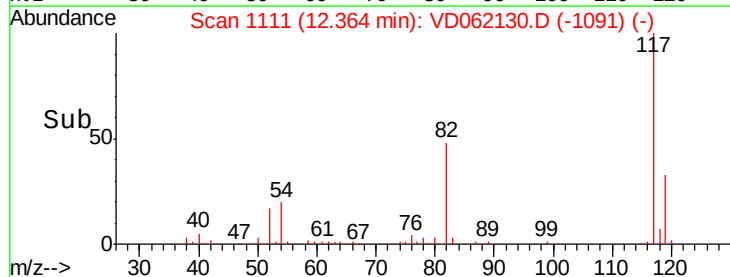
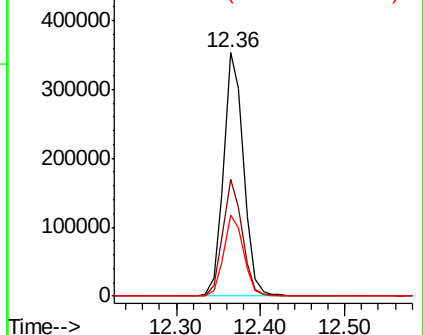
119 33.2 26.2 39.4

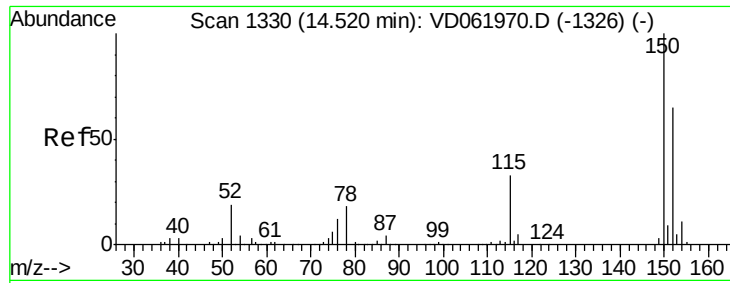


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

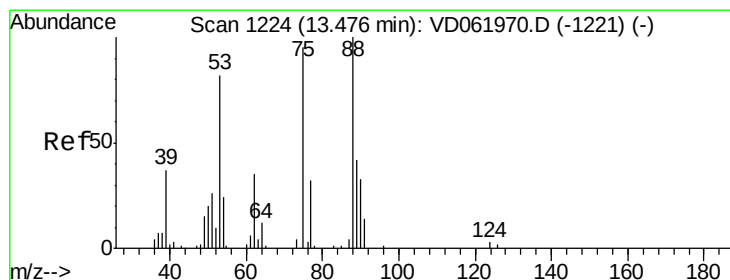
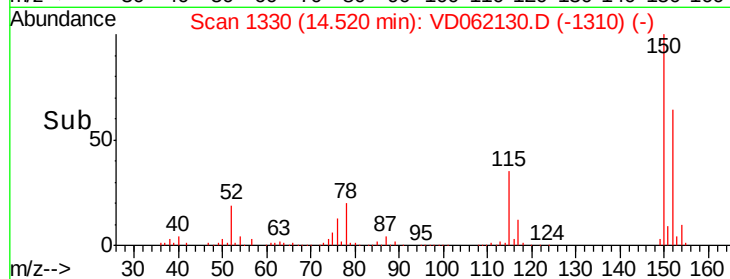
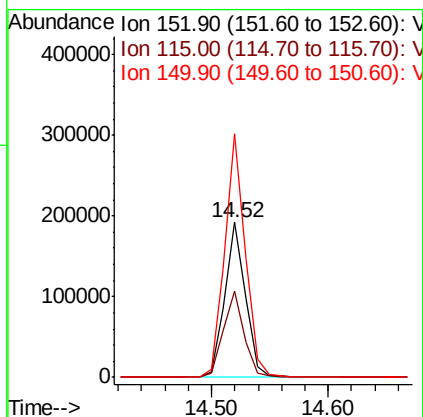
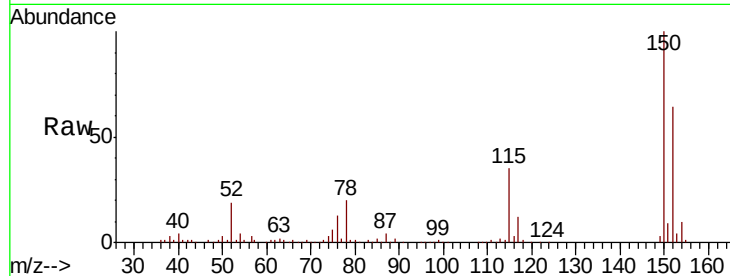




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

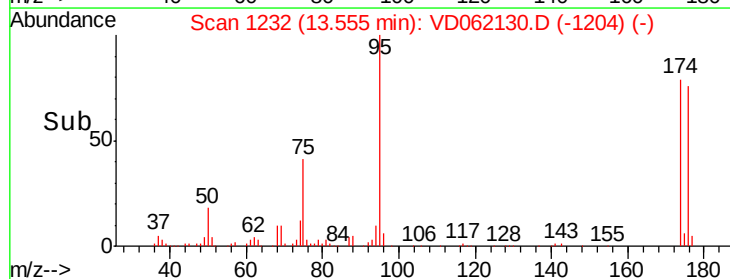
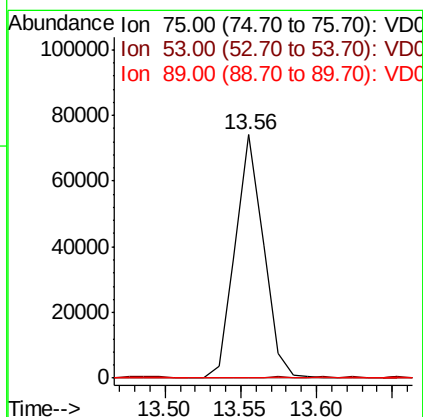
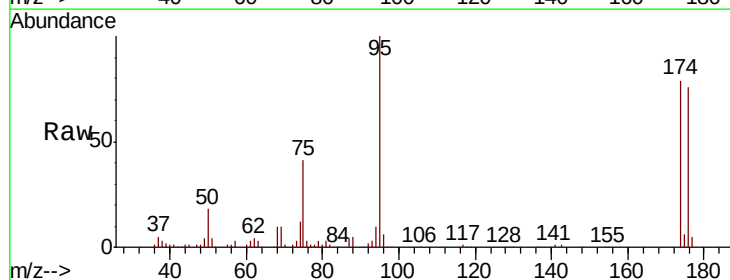
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3RE

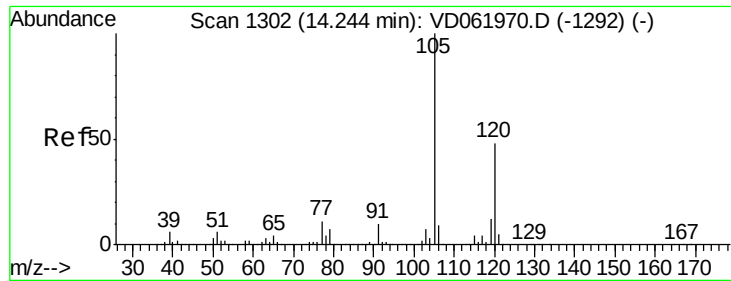
Tot Ion:152 Resp: 236422
 Ion Ratio Lower Upper
 152 100
 115 55.6 30.9 92.7
 150 157.4 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.086 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

Tgt Ion: 75 Resp: 96515
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

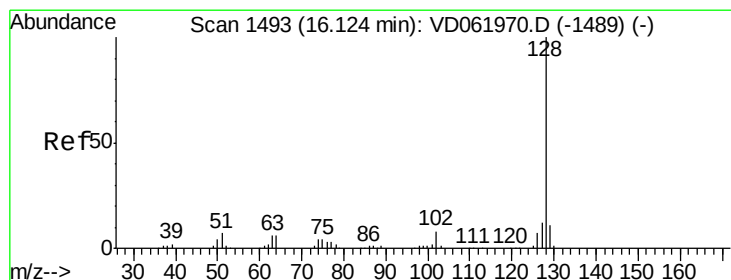
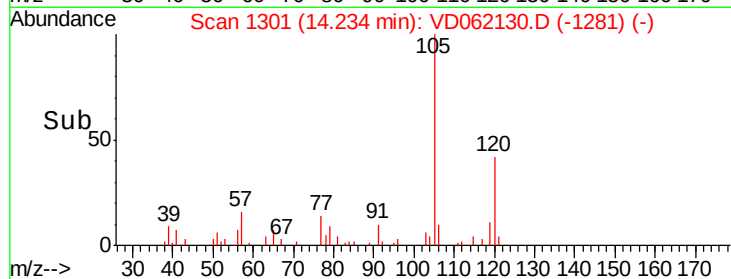
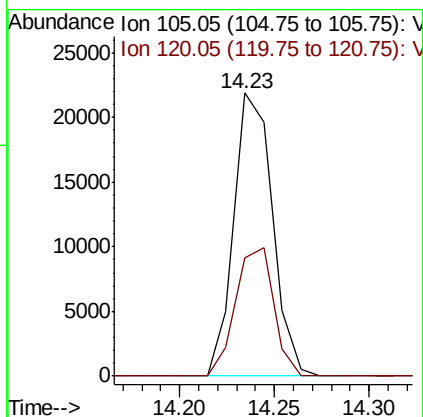
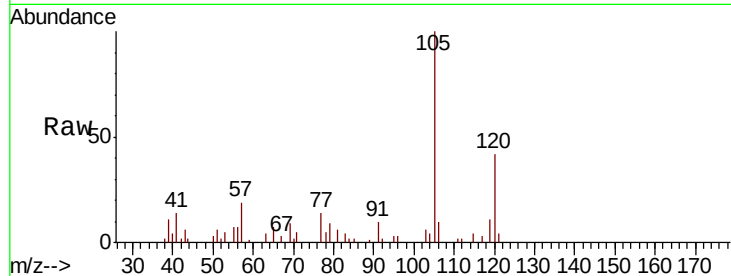




#84
 1,2,4-Trimethylbenzene
 Concen: 2.560 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-3RE

Tot Ion:105 Resp: 30734
 Ion Ratio Lower Upper
 105 100
 120 41.9 23.1 69.2



#95
 Naphthalene
 Concen: 2.253 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD062130.D
 Acq: 6 May 2019 14:56

Tgt Ion:128 Resp: 12828
 Ion Ratio Lower Upper
 128 100
 127 11.4 9.8 14.8
 129 11.8 8.8 13.2

