

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041719\
 Data File : VD061851.D
 Acq On : 17 Apr 2019 14:31
 Operator : VA/AP
 Sample : K2373-01
 Misc : 4.94g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TPH-FOUND

Quant Time: Apr 17 15:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	159064	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.20	114	268532	50.00	ug/l	-0.06
63) Chlorobenzene-d5	12.36	117	251119	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	129900	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	102683	77.03	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	154.06%	
35) Dibromofluoromethane	6.91	113	123468	60.86	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	121.72%	
50) Toluene-d8	10.40	98	256858	53.43	ug/l	-0.05
Spiked Amount				50.000		
			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	13.55	95	118313	60.72	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	121.44%	

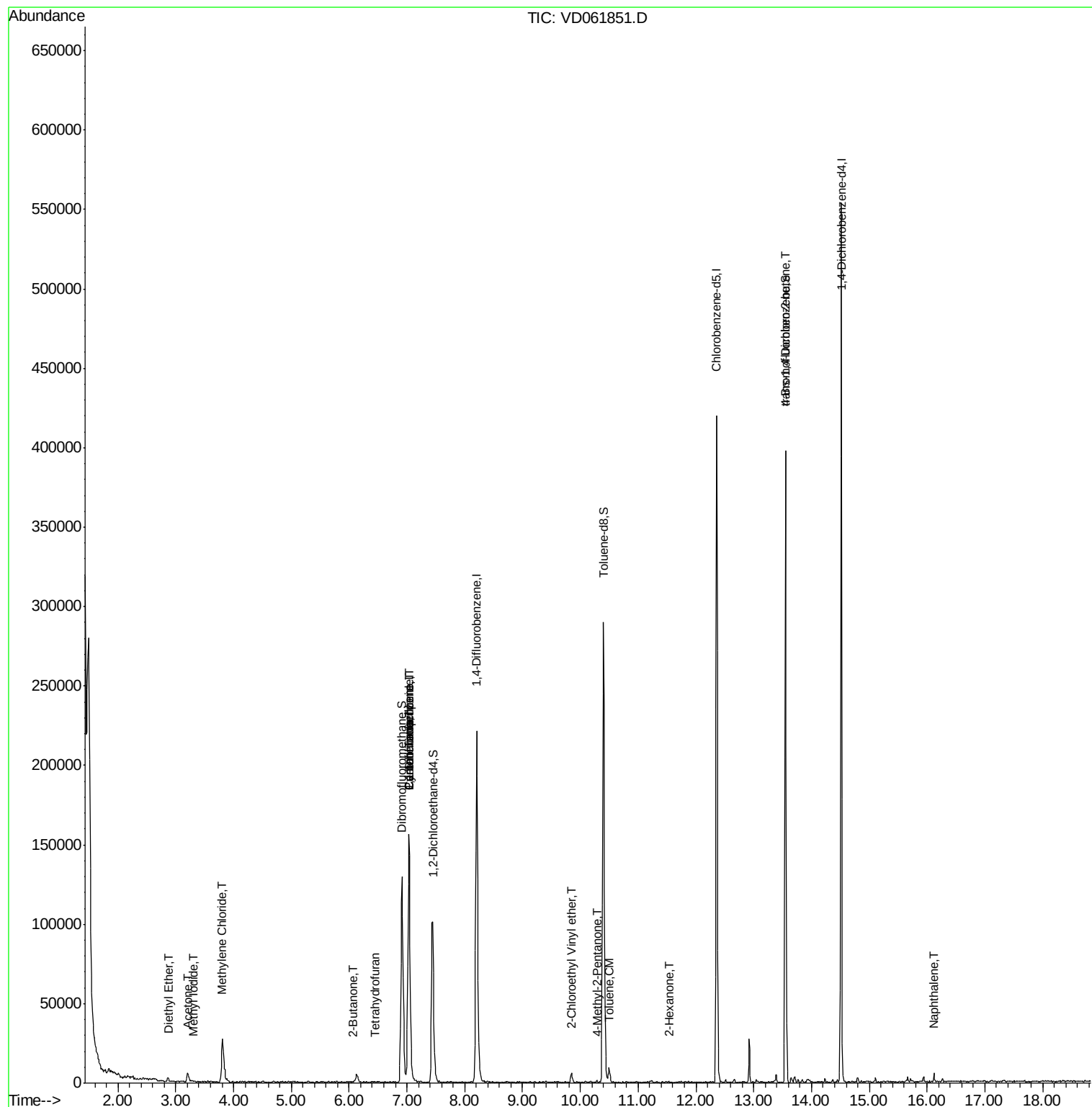
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	799	1.531	ug/l	75
10) Methyl Iodide	3.31	142	1082	3.869	ug/l #	37
16) Acetone	3.20	43	9555	29.081	ug/l	94
20) Methylene Chloride	3.80	84	21480	9.430	ug/l	97
25) 2-Butanone	6.07	43	432	1.155	ug/l #	56
29) Tetrahydrofuran	6.44	42	206	1.131	ug/l #	30
31) Cyclohexane	7.03	56	2323	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	10237	4.665	ug/l #	47
38) Carbon Tetrachloride	7.03	117	15210	5.489	ug/l #	12
51) 4-Methyl-2-Pentanone	10.29	43	1329	1.644	ug/l #	37
52) Toluene	10.50	92	5662	1.677	ug/l	79
58) 2-Chloroethyl Vinyl ether	9.85	63	3605	6.070	ug/l	90
59) 2-Hexanone	11.52	43	634	1.056	ug/l #	27
81) trans-1,4-Dichloro-2-buten	13.55	75	44366	78.228	ug/l #	16
95) Naphthalene	16.12	128	3480	1.181	ug/l #	91

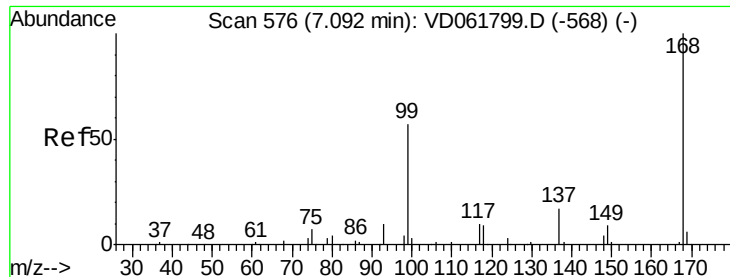
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041719\
Data File : VD061851.D
Acq On : 17 Apr 2019 14:31
Operator : VA/AP
Sample : K2373-01
Misc : 4.94g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TPH-FOUND

Quant Time: Apr 17 15:08:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD061851.D

Acq: 17 Apr 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

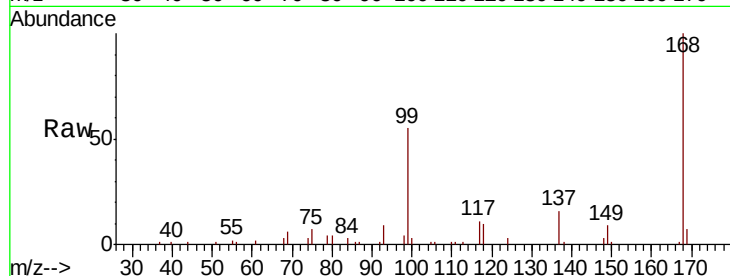
TPH-FOUND

Tgt Ion:168 Resp: 159064

Ion Ratio Lower Upper

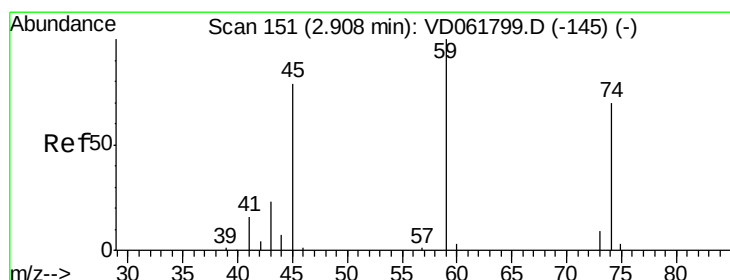
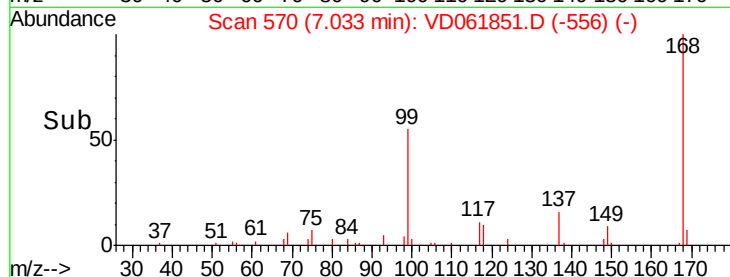
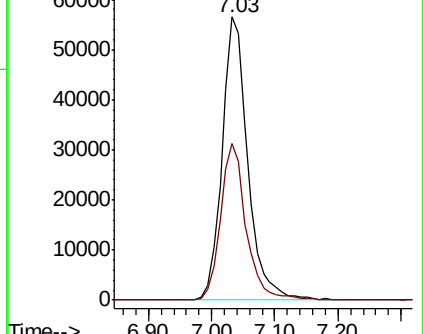
168 100

99 55.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.531 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.04 min

Lab File: VD061851.D

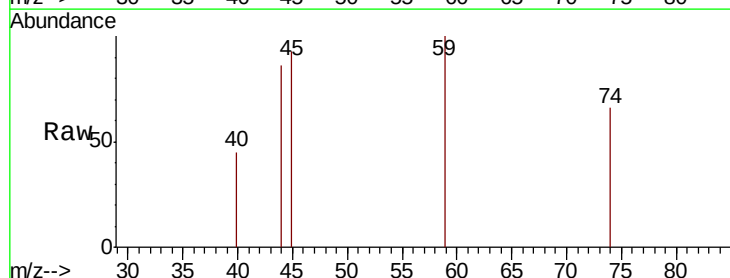
Acq: 17 Apr 2019 14:31

Tgt Ion: 74 Resp: 799

Ion Ratio Lower Upper

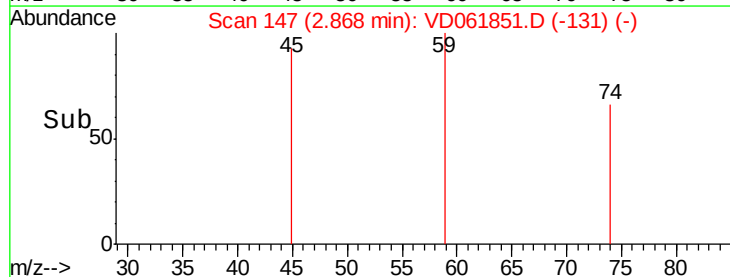
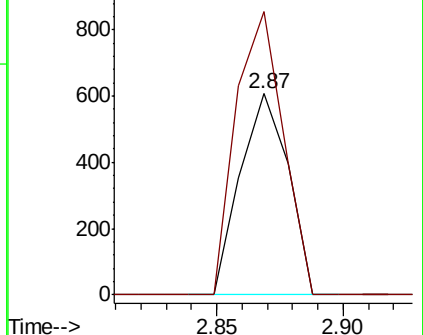
74 100

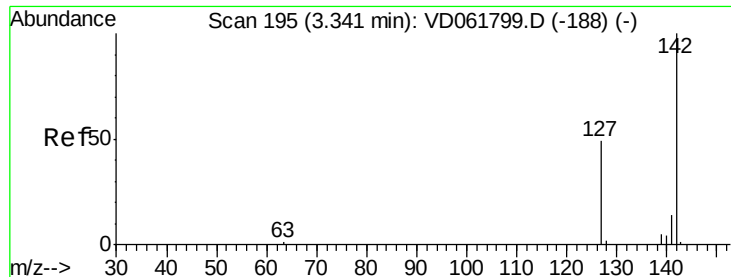
45 140.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

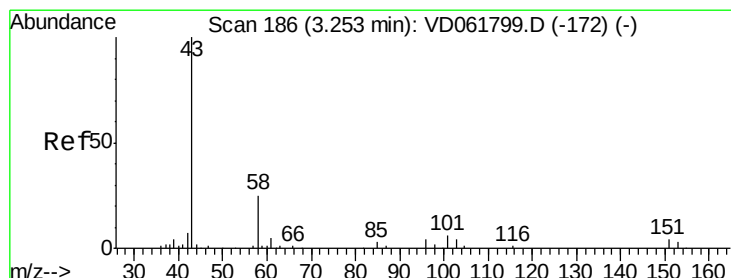
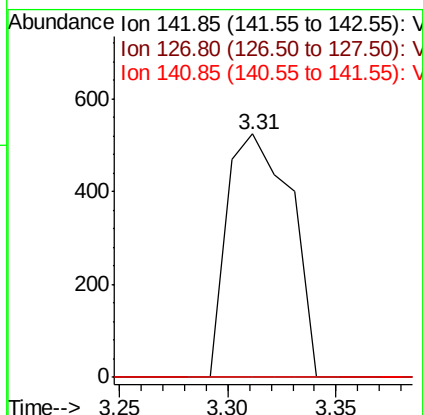
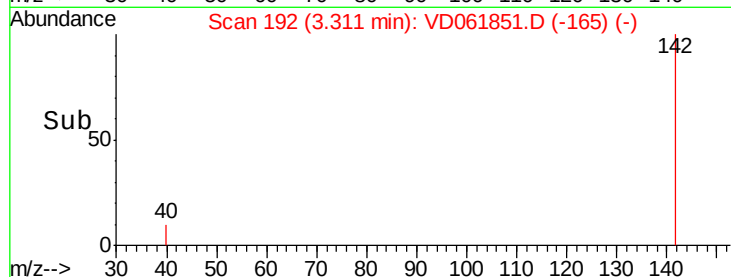
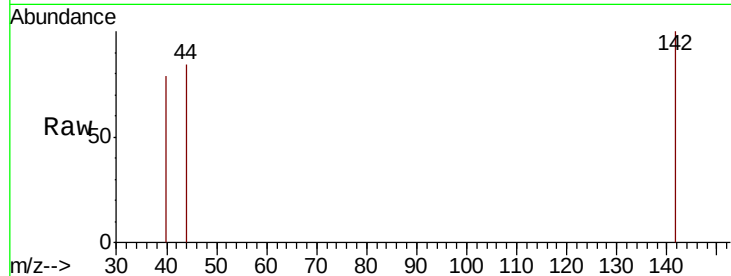




#10
Methyl Iodide
Concen: 3.869 ug/l
RT: 3.31 min Scan# 192
Delta R.T. -0.03 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

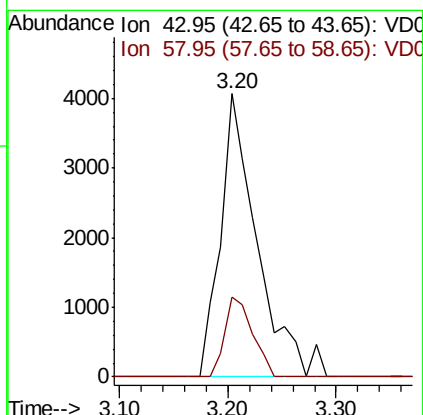
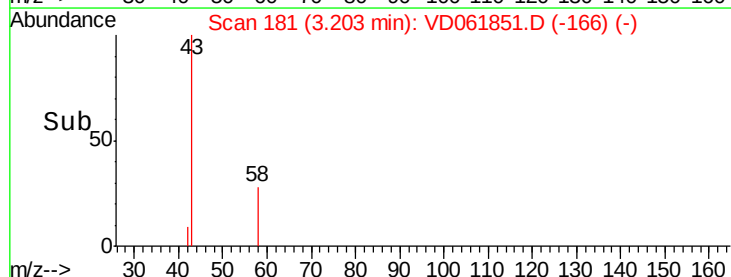
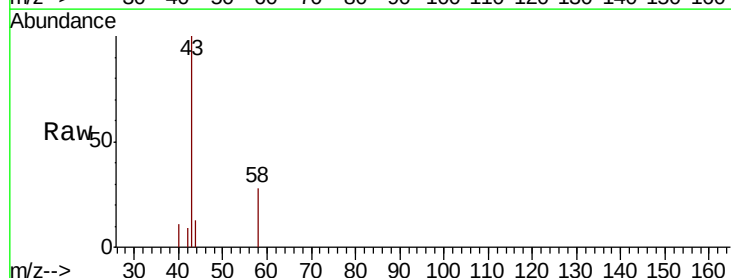
Instrument :
MSVOA_D
ClientSampleId :
TPH-FOUND

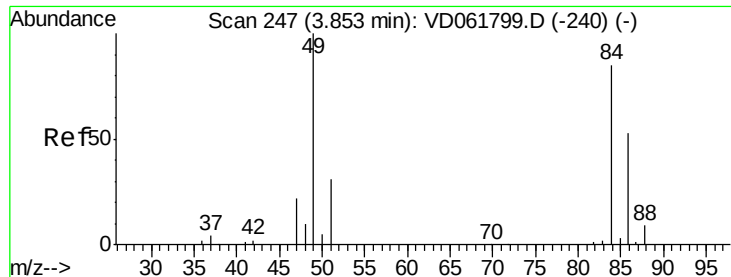
Tgt Ion:142 Resp: 1082
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 29.081 ug/l
RT: 3.20 min Scan# 181
Delta R.T. -0.05 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

Tgt Ion: 43 Resp: 9555
Ion Ratio Lower Upper
43 100
58 28.1 19.9 29.9

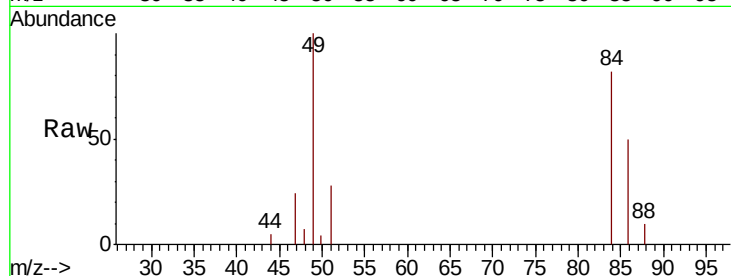




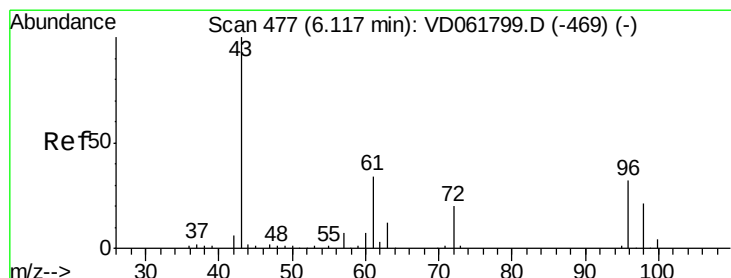
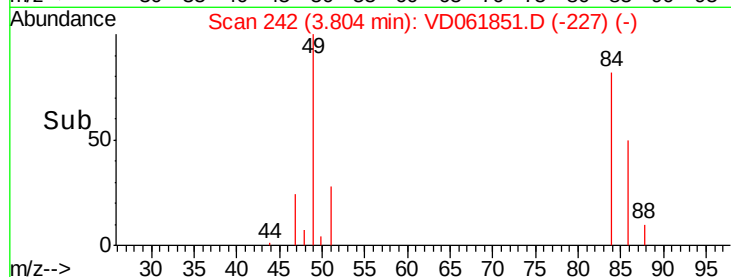
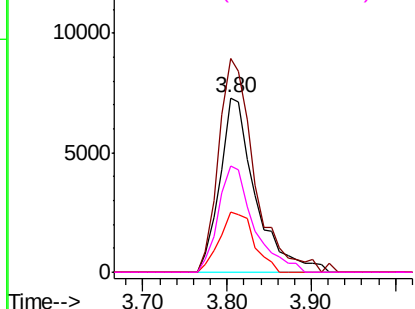
#20
Methylene Chloride
Concen: 9.430 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.05 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
TPH-FOUND

Tgt Ion: 84 Resp: 21480
Ion Ratio Lower Upper
84 100
49 122.3 94.0 141.0
51 34.5 29.0 43.4
86 61.2 49.8 74.6

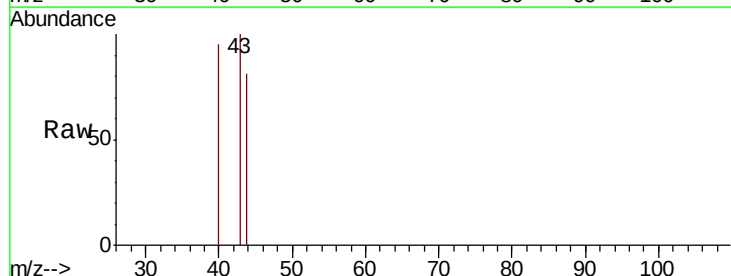


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

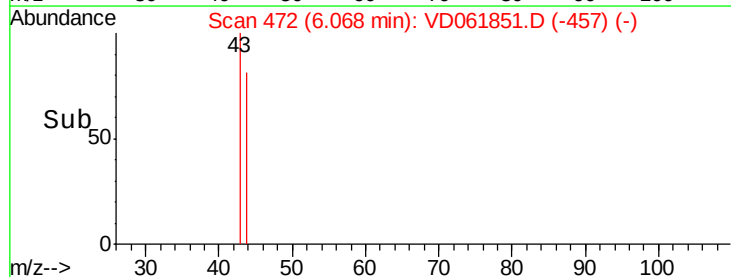
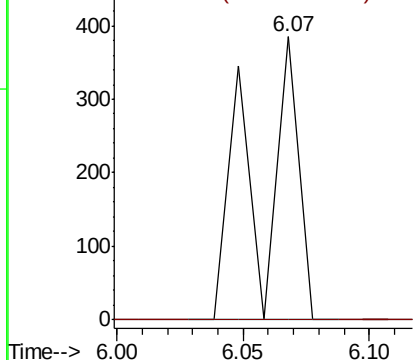


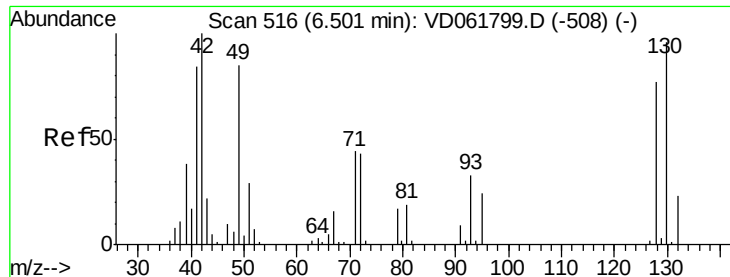
#25
2-Butanone
Concen: 1.155 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.05 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.131 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.06 min

Lab File: VD061851.D

Acq: 17 Apr 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

TPH-FOUND

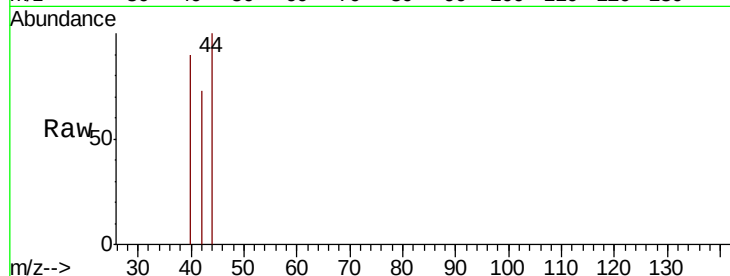
Tgt Ion: 42 Resp: 206

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

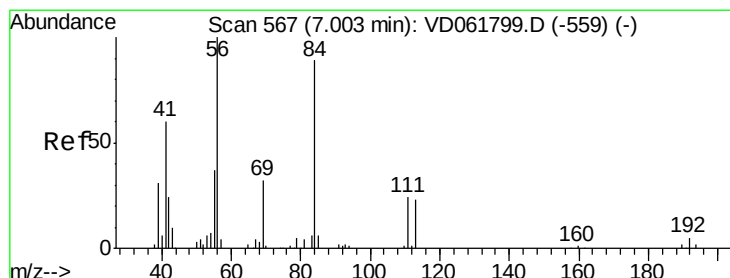
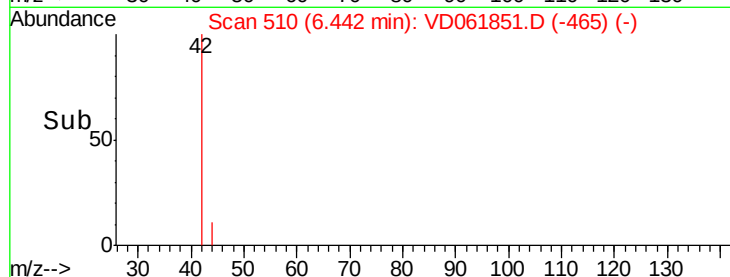
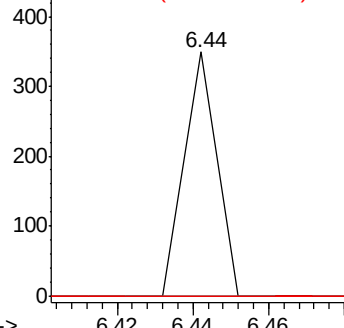
71 0.0 36.7 55.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.151 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.03 min

Lab File: VD061851.D

Acq: 17 Apr 2019 14:31

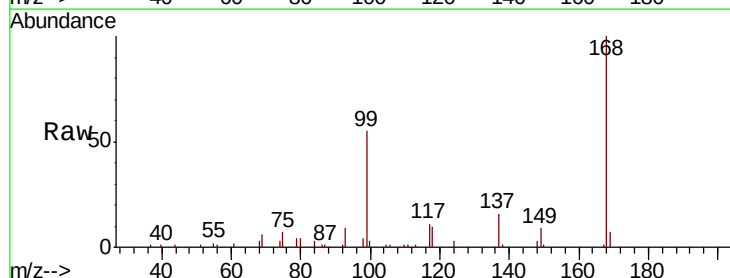
Tgt Ion: 56 Resp: 2323

Ion Ratio Lower Upper

56 100

69 384.9 25.8 38.6#

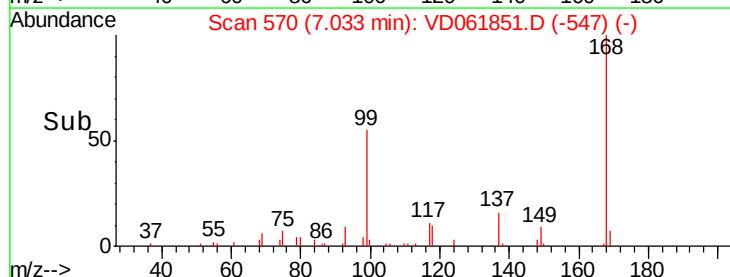
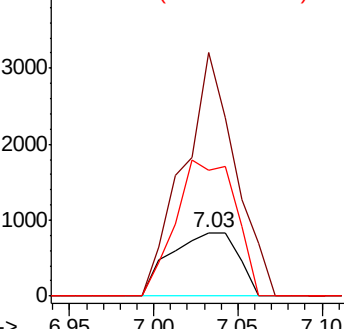
84 198.0 72.2 108.4#

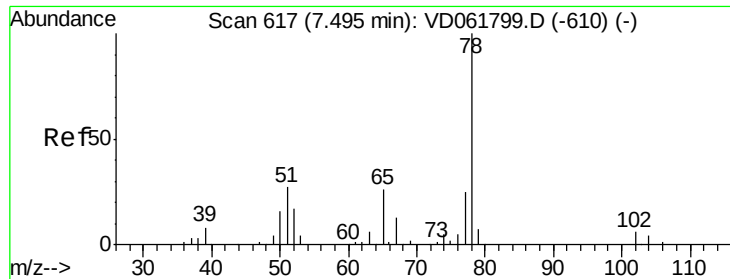


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

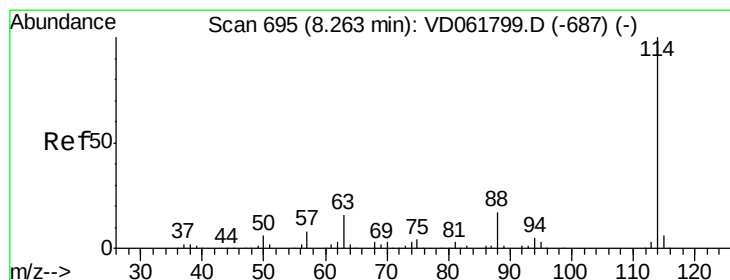
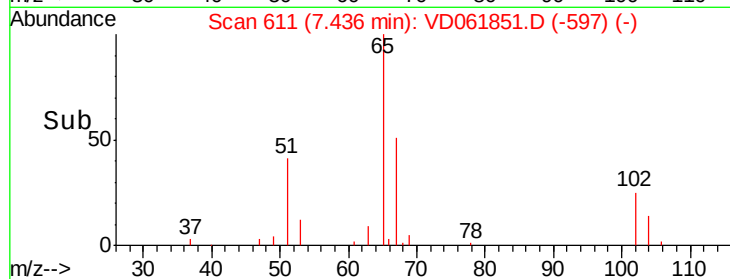
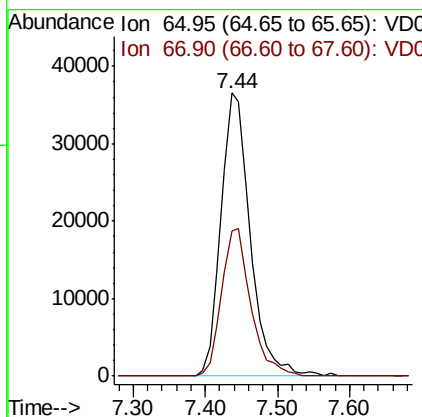
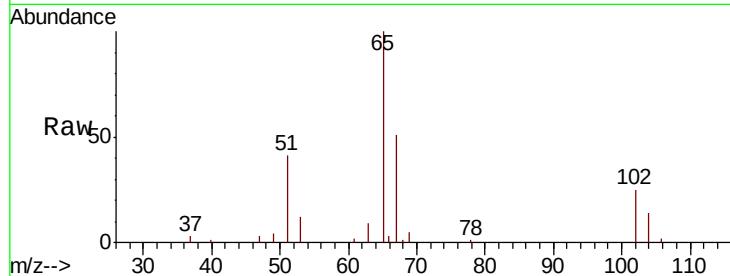




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.06 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

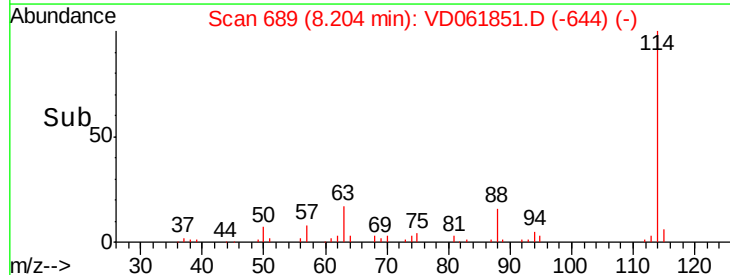
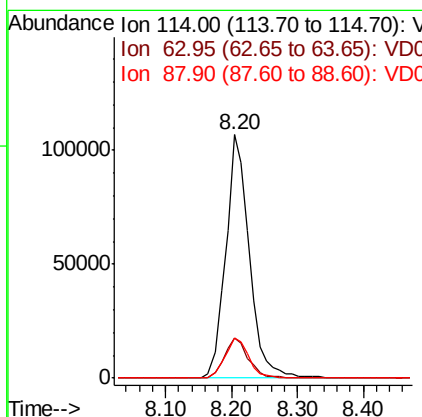
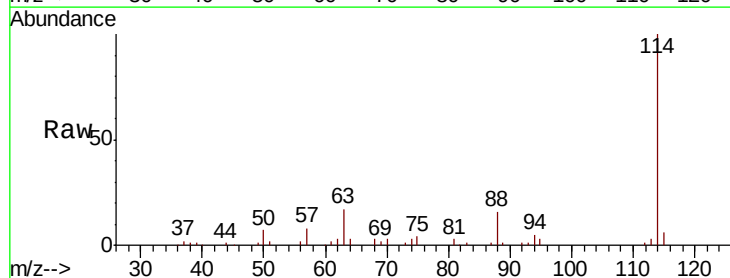
Instrument :
 MSVOA_D
 ClientSampleId :
 TPH-FOUND

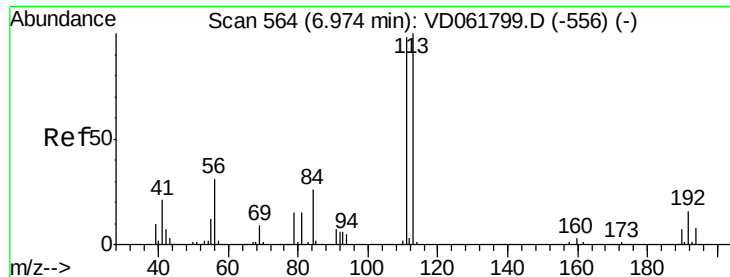
Tgt Ion: 65 Resp: 102683
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.06 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

Tgt Ion: 114 Resp: 268532
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 32.4
 88 16.4 0.0 33.6

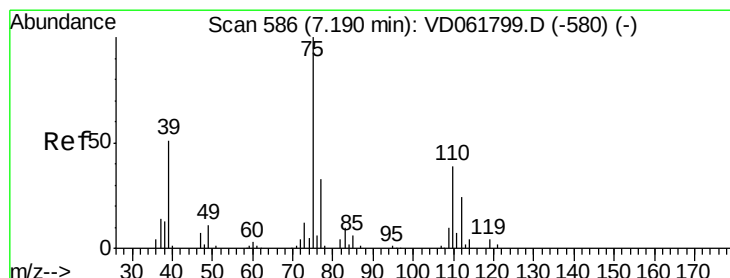
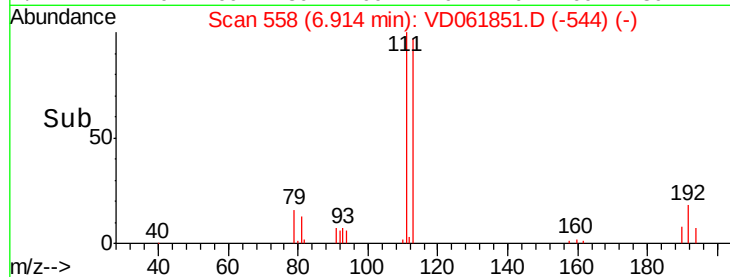
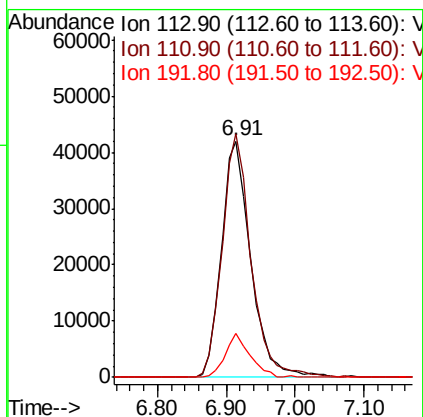
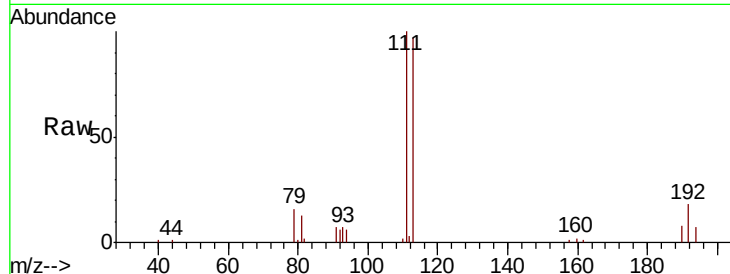




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.06 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

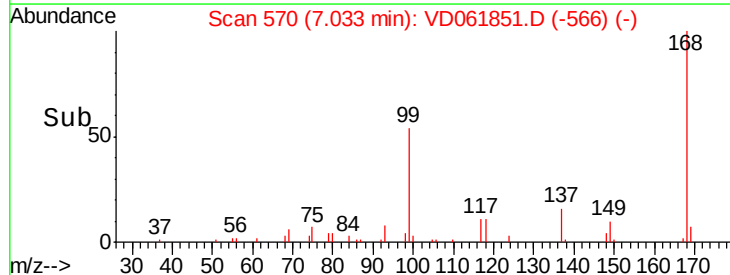
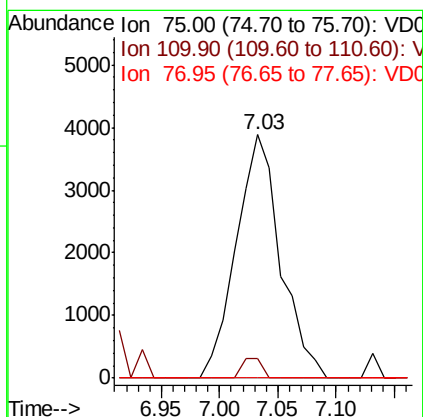
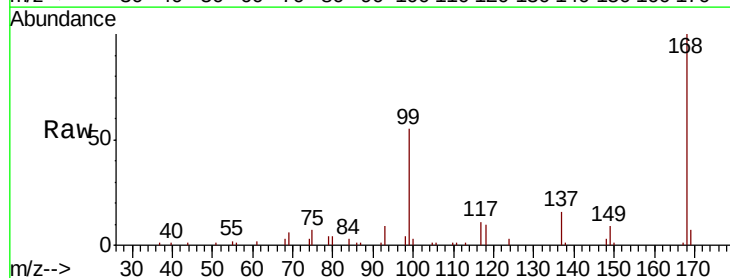
Instrument :
 MSVOA_D
 ClientSampleId :
 TPH-FOUND

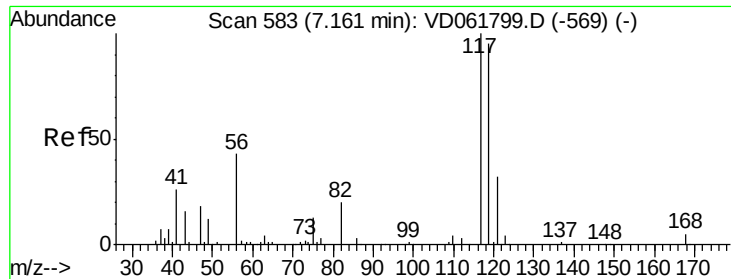
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	78.5	117.7
192	18.7	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.16 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	19.1	57.1#
77	0.0	25.6	38.4#

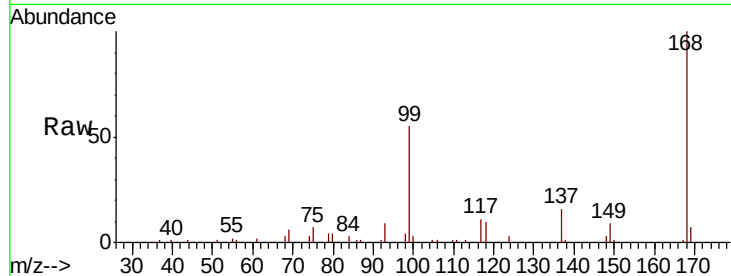




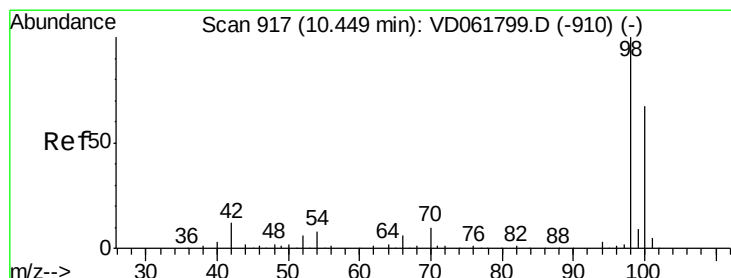
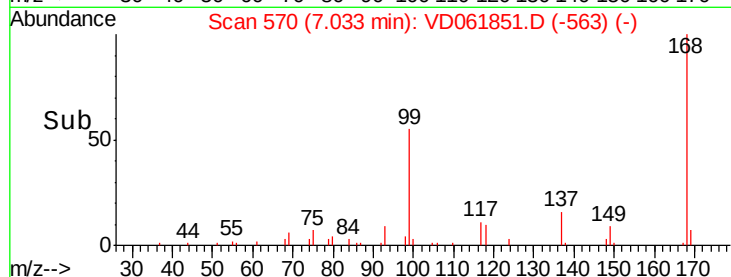
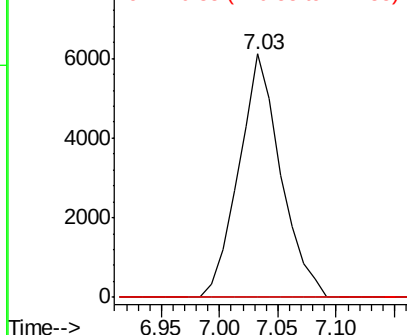
#38
Carbon Tetrachloride
Concen: 5.489 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.13 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
TPH-FOUND

Tgt Ion:117 Resp: 15210
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

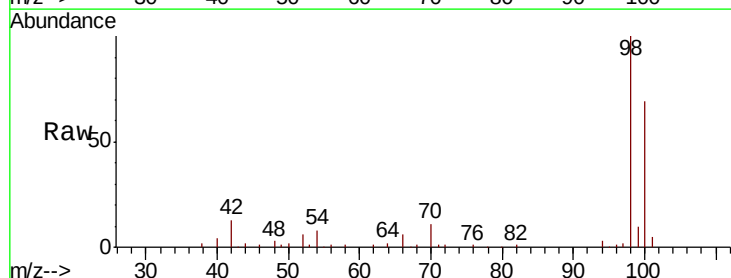


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

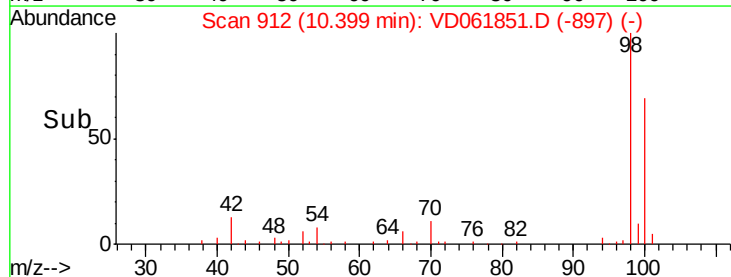
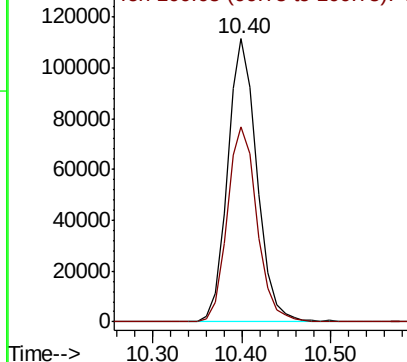


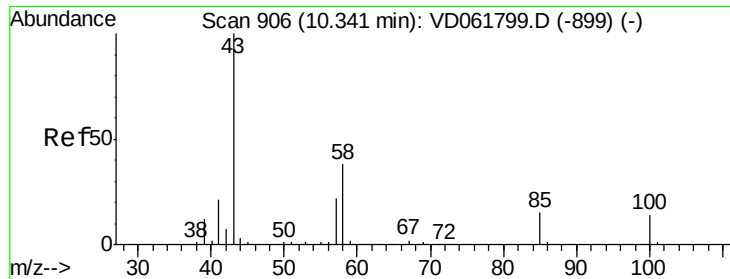
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.05 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

Tgt Ion: 98 Resp: 256858
Ion Ratio Lower Upper
98 100
100 68.8 53.8 80.8



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

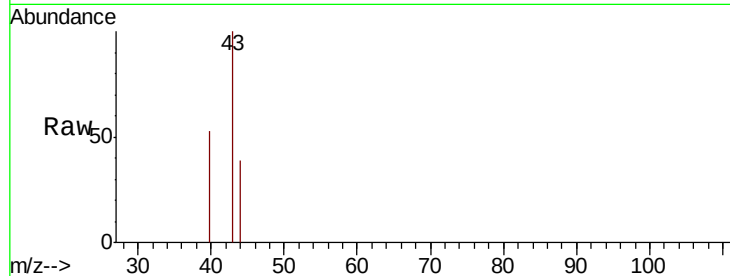




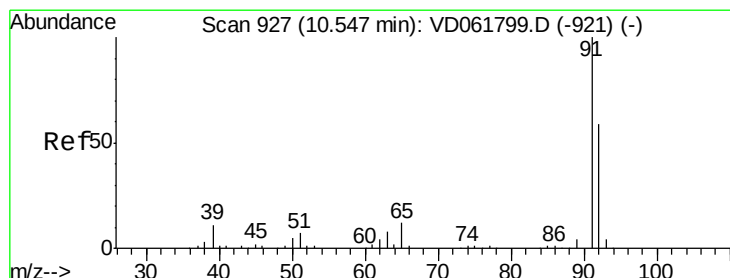
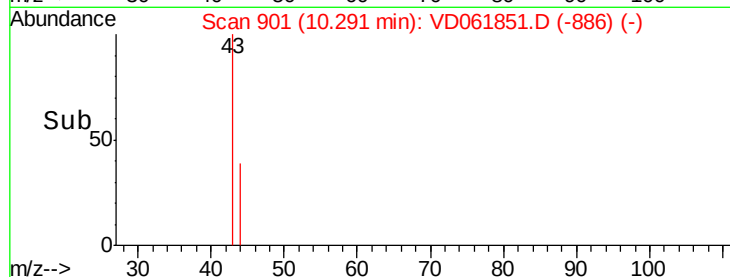
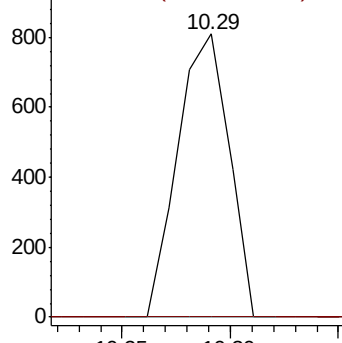
#51
 4-Methyl-2-Pentanone
 Concen: 1.644 ug/l
 RT: 10.29 min Scan# 901
 Delta R.T. -0.05 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 TPH-FOUND

Tgt Ion: 43 Resp: 1329
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.4 45.6#

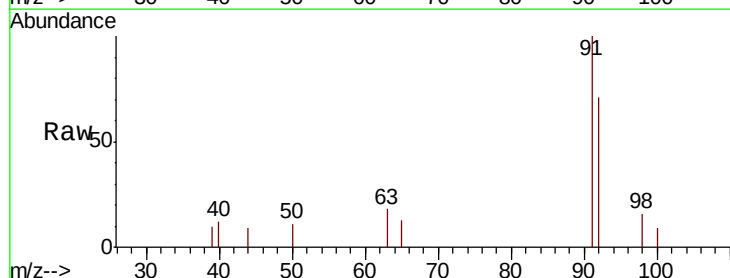


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

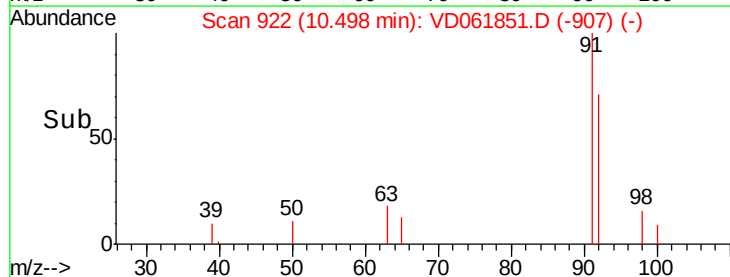
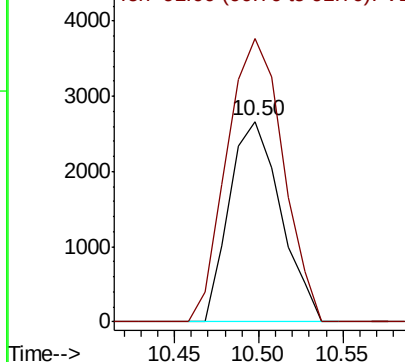


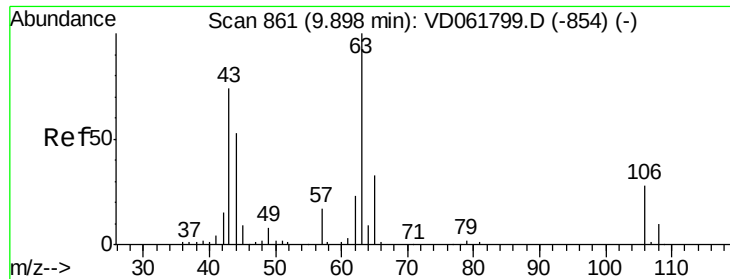
#52
 Toluene
 Concen: 1.677 ug/l
 RT: 10.50 min Scan# 922
 Delta R.T. -0.05 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

Tgt Ion: 92 Resp: 5662
 Ion Ratio Lower Upper
 92 100
 91 141.3 136.6 204.8



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

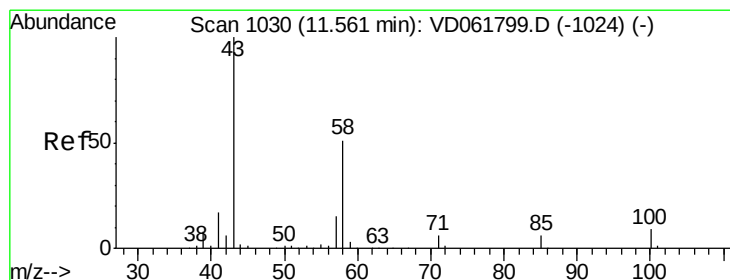
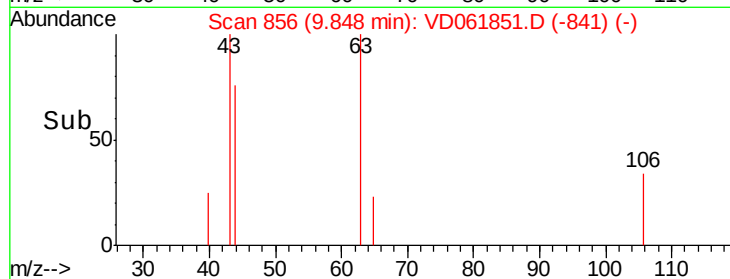
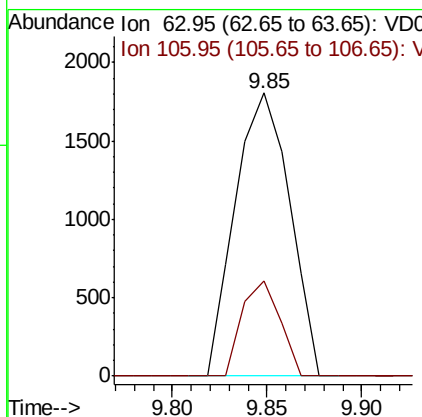
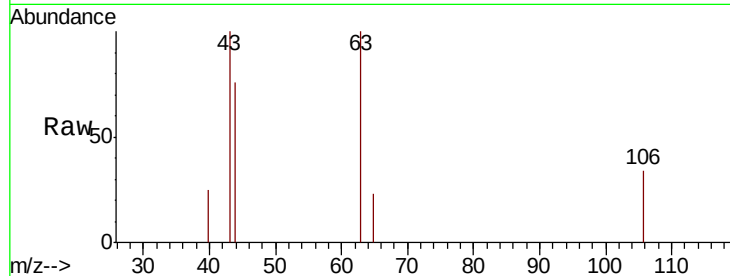




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.070 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.05 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

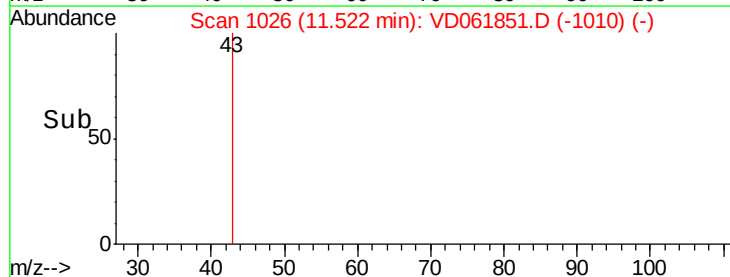
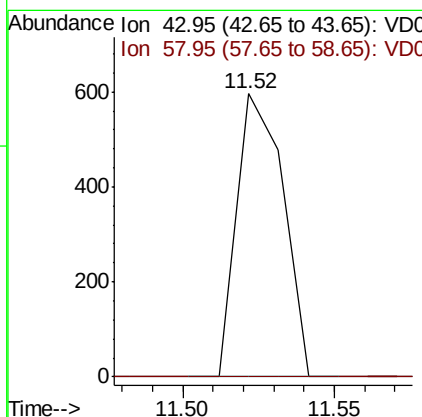
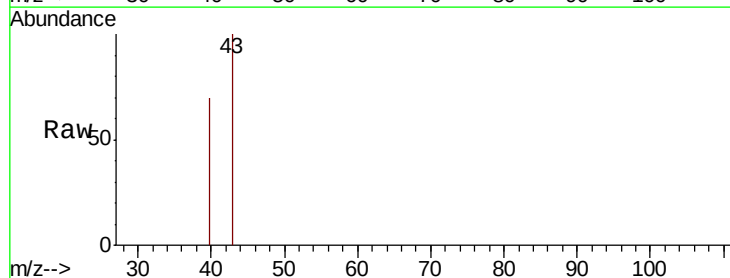
Instrument :
 MSVOA_D
 ClientSampleId :
 TPH-FOUND

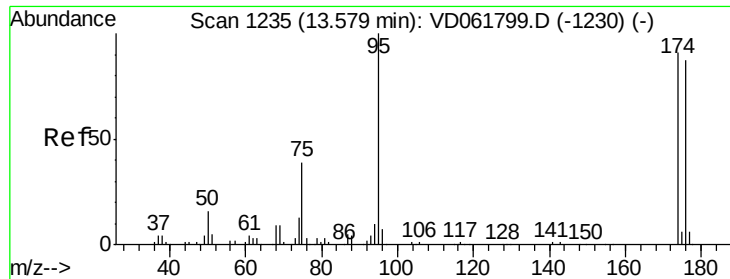
Tgt Ion: 63 Resp: 3605
 Ion Ratio Lower Upper
 63 100
 106 33.5 22.6 34.0



#59
 2-Hexanone
 Concen: 1.056 ug/l
 RT: 11.52 min Scan# 1026
 Delta R.T. -0.04 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

Tgt Ion: 43 Resp: 634
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.4 76.4#

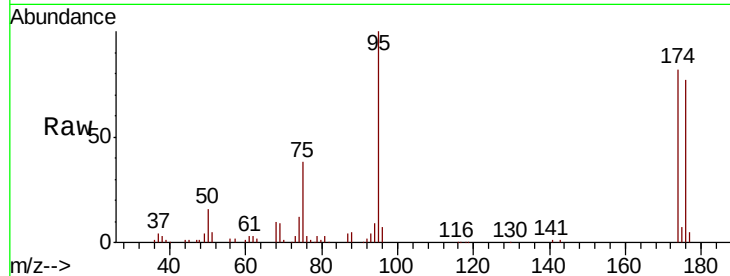




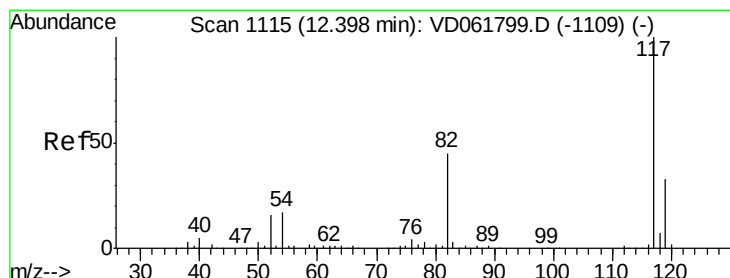
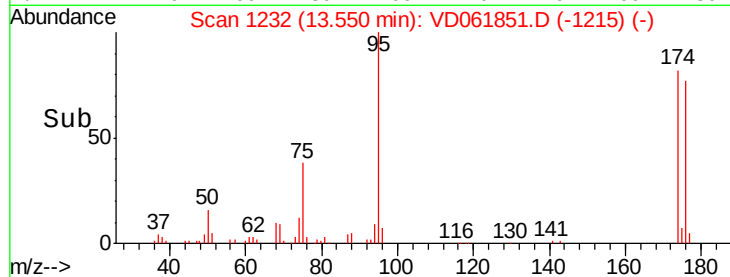
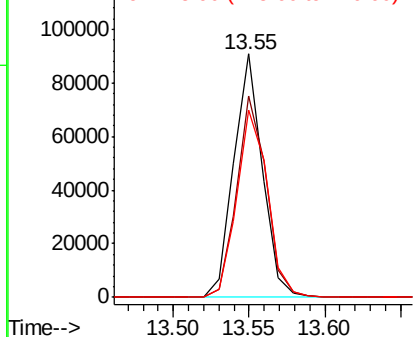
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.03 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
TPH-FOUND

Tgt Ion: 95 Resp: 118313
Ion Ratio Lower Upper
95 100
174 82.5 0.0 181.8
176 77.0 0.0 174.4

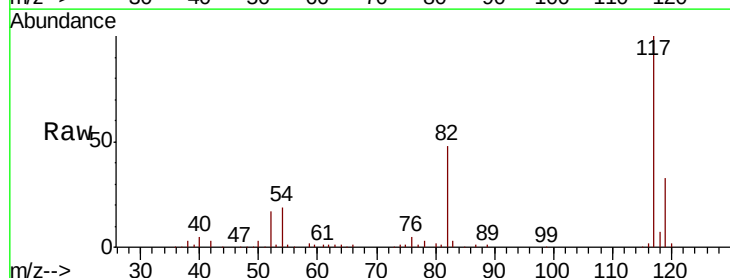


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

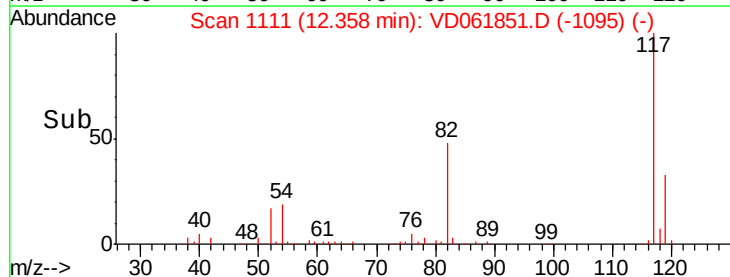
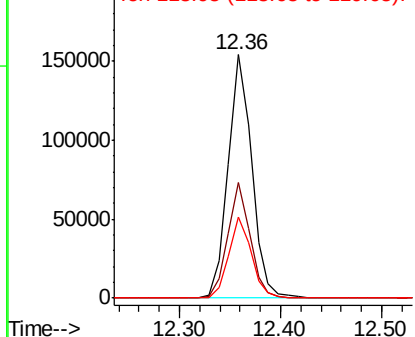


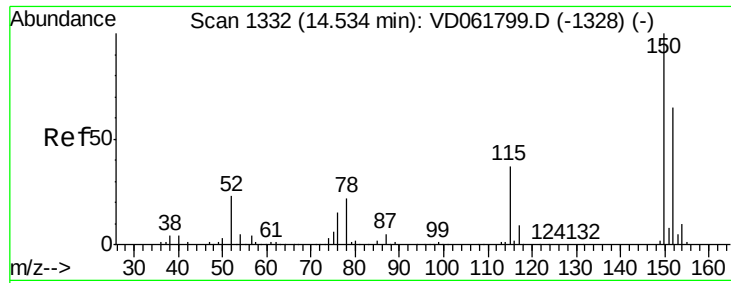
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.04 min
Lab File: VD061851.D
Acq: 17 Apr 2019 14:31

Tgt Ion: 117 Resp: 251119
Ion Ratio Lower Upper
117 100
82 47.6 36.2 54.2
119 33.0 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: 14.51 min Scan# 1330

Delta R.T. -0.02 min

Lab File: VD061851.D

Acq: 17 Apr 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

TPH-FOUND

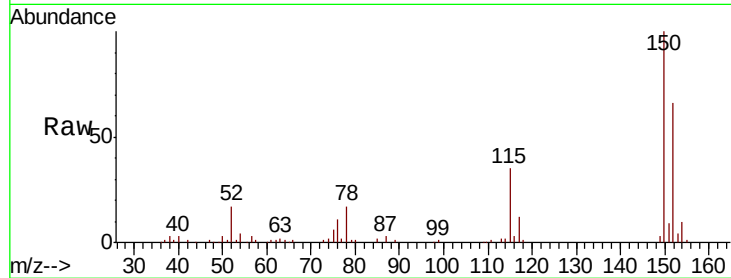
Tgt Ion:152 Resp: 129900

Ion Ratio Lower Upper

152 100

115 53.1 30.9 92.7

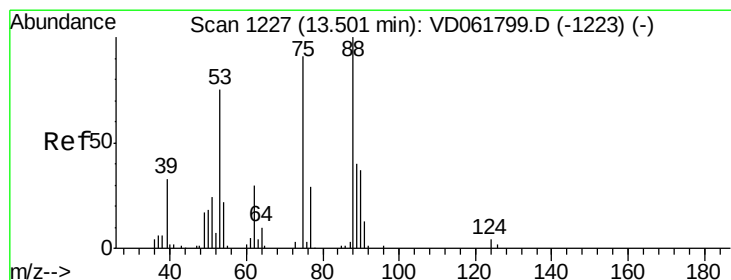
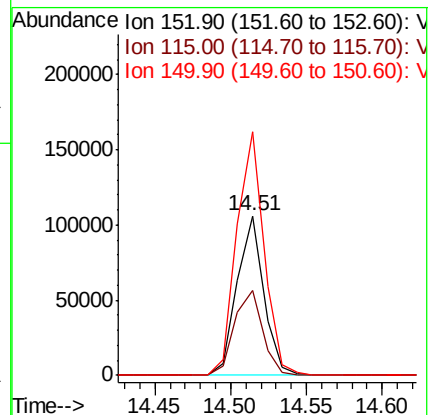
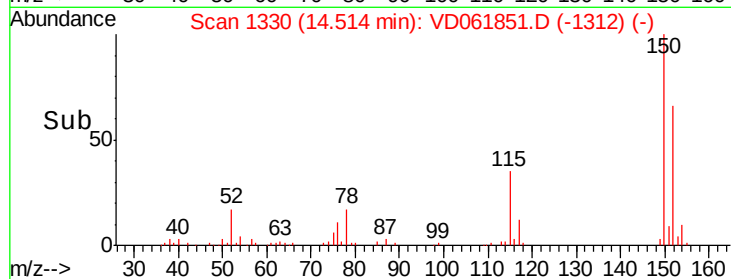
150 152.6 0.0 314.8



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: 78.228 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.05 min

Lab File: VD061851.D

Acq: 17 Apr 2019 14:31

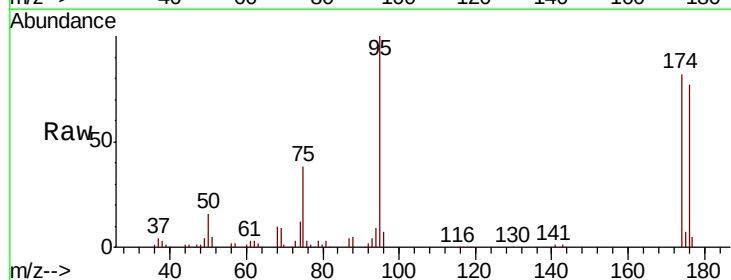
Tgt Ion: 75 Resp: 44366

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

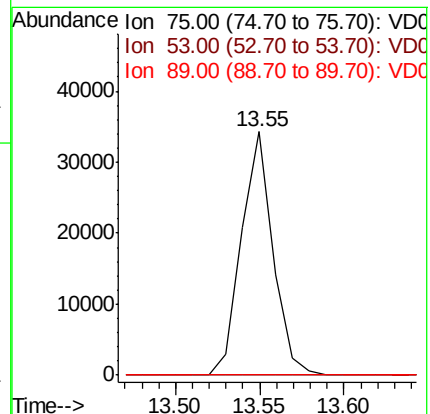
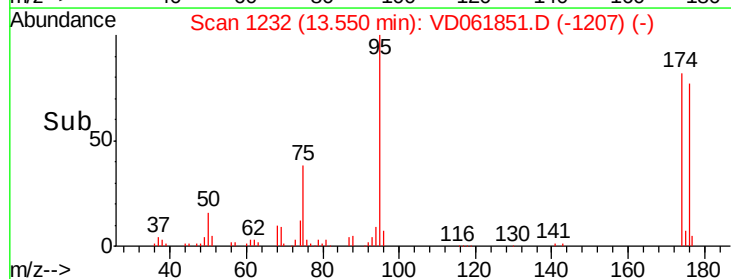
89 0.0 35.0 52.6#

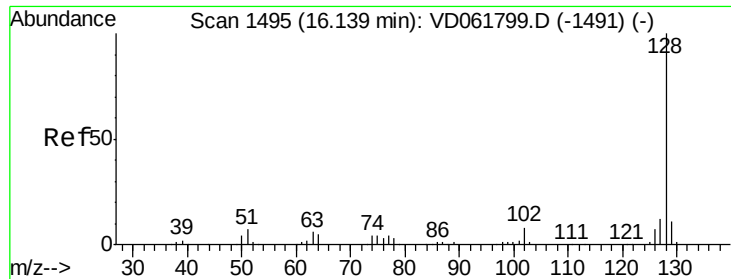


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

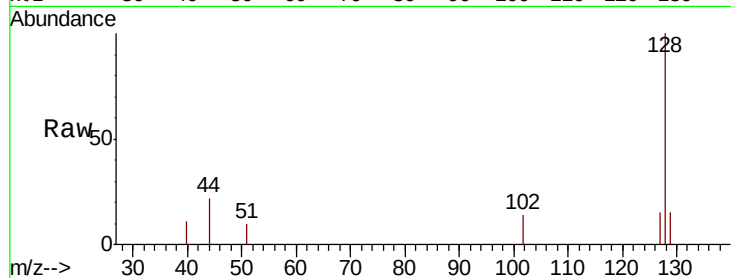




#95
 Naphthalene
 Concen: 1.181 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.02 min
 Lab File: VD061851.D
 Acq: 17 Apr 2019 14:31

Instrument :
 MSVOA_D
 ClientSampleId :
 TPH-FOUND

Tgt Ion:128 Resp: 3480
 Ion Ratio Lower Upper
 128 100
 127 15.2 9.8 14.8#
 129 14.8 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

