

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065906.D
 Acq On : 01 Jul 2020 15:21
 Operator : VA/SY
 Sample : L3172-01
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-SS

Quant Time: Jul 02 04:44:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

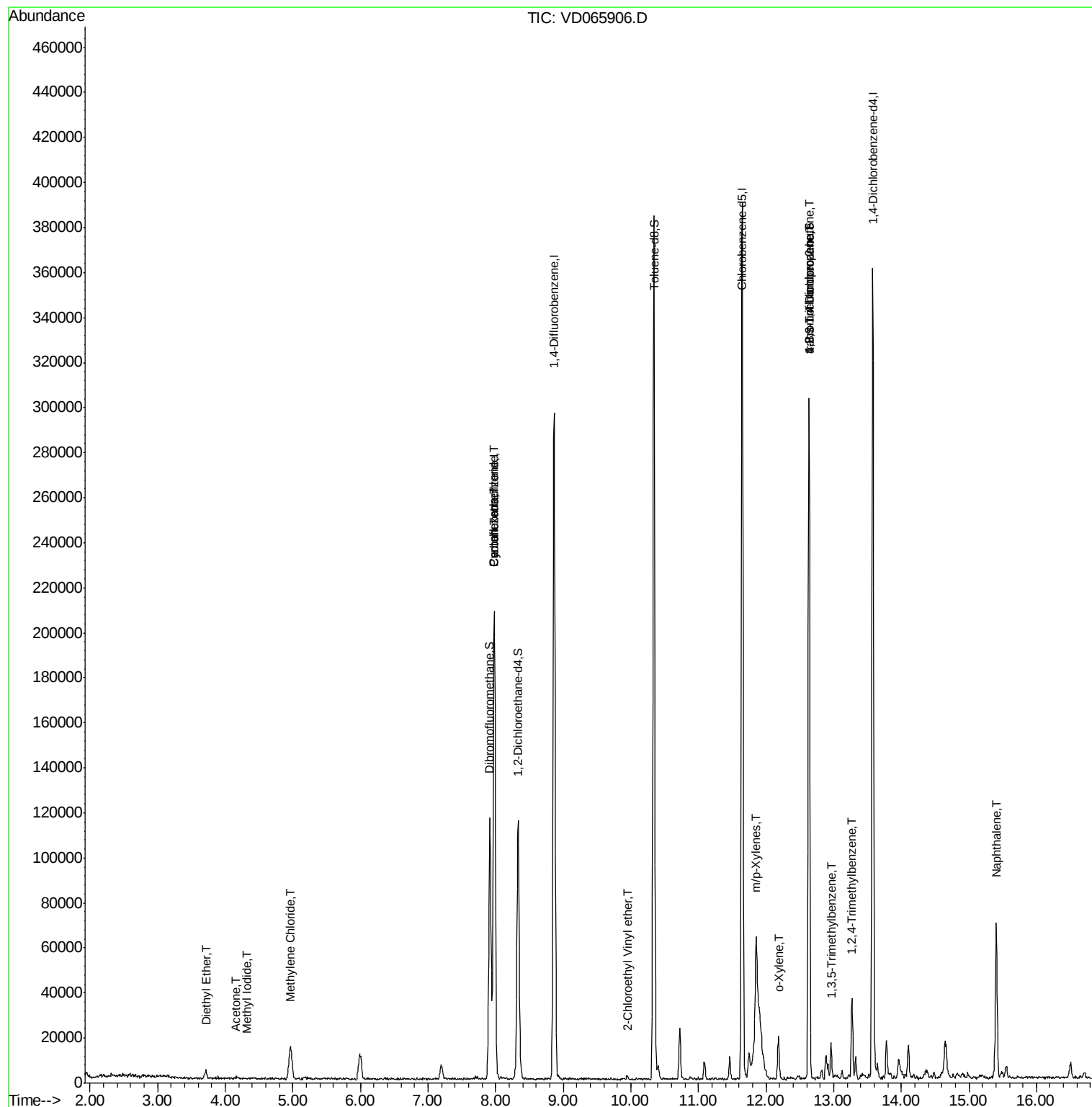
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	149153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251649	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	214083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	89922	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	94845	61.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.42%	
35) Dibromofluoromethane	7.91	113	80615	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
50) Toluene-d8	10.34	98	257841	44.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.14%	
62) 4-Bromofluorobenzene	12.64	95	83075	43.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.68%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.71	74	1512	2.075	ug/l	89
10) Methyl Iodide	4.31	142	67	1.873	ug/l #	37
11) Tert butyl alcohol	5.19	59	621	Below Cal	#	69
16) Acetone	4.16	43	594	1.957	ug/l #	59
20) Methylene Chloride	4.97	84	10891	1.633	ug/l #	93
31) Cyclohexane	7.97	56	4480	1.614	ug/l #	54
38) Carbon Tetrachloride	7.98	117	16444	6.206	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.95	63	726	1.113	ug/l #	81
68) m/p-Xylenes	11.85	106	12965	4.318	ug/l	76
69) o-Xylene	12.18	106	4505	1.670	ug/l	72
76) 1,2,3-Trichloropropane	12.64	75	47678	60.595	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.96	105	7856	1.459	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.64	75	47678	130.179	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.27	105	18936	3.570	ug/l	97
95) Naphthalene	15.41	128	62136	22.150	ug/l	99

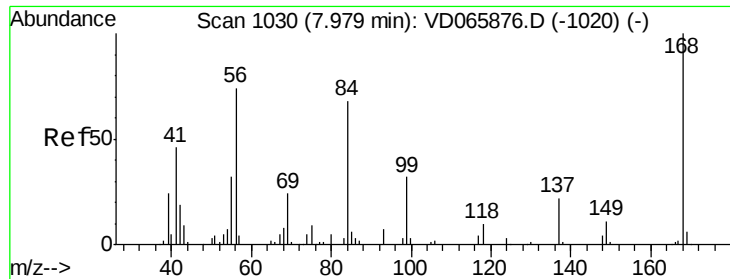
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065906.D
Acq On : 01 Jul 2020 15:21
Operator : VA/SY
Sample : L3172-01
Misc : 5.08G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP1-SS

Quant Time: Jul 02 04:44:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065906.D

Acq: 01 Jul 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

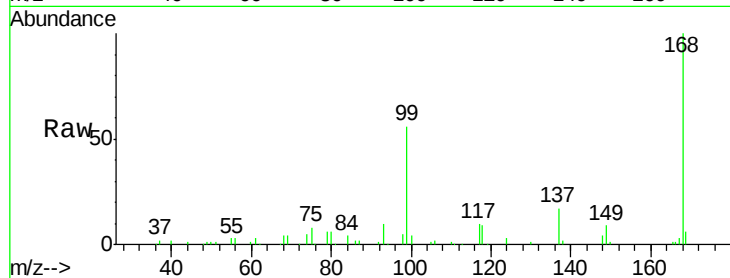
TP1-SS

Tot Ion:168 Resp: 149153

Ion Ratio Lower Upper

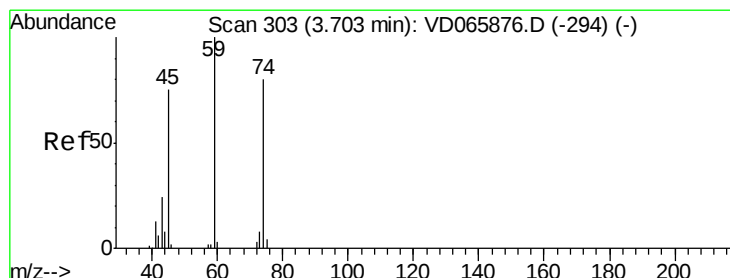
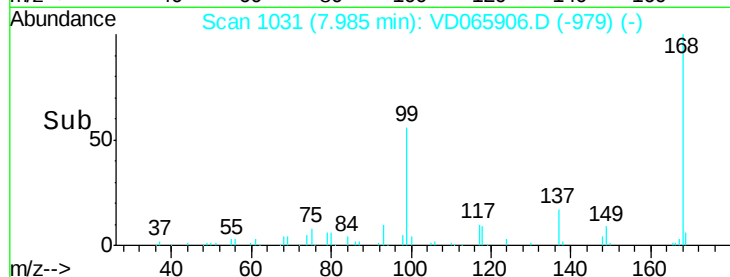
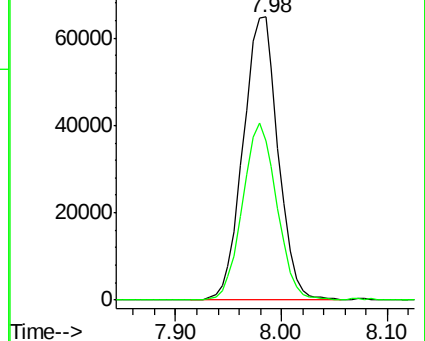
168 100

99 56.4 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 2.075 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD065906.D

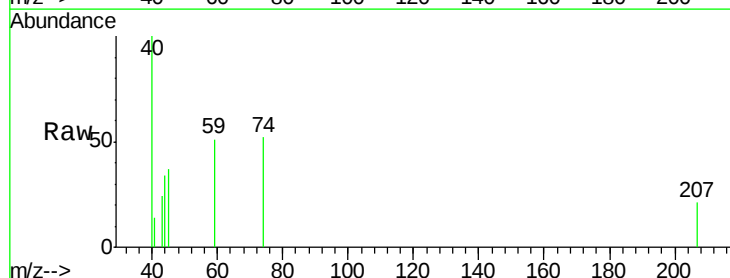
Acq: 01 Jul 2020 15:21

Tgt Ion: 74 Resp: 1512

Ion Ratio Lower Upper

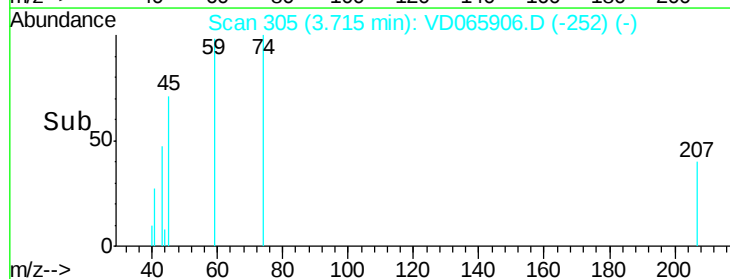
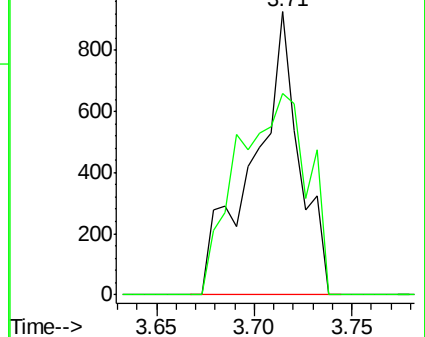
74 100

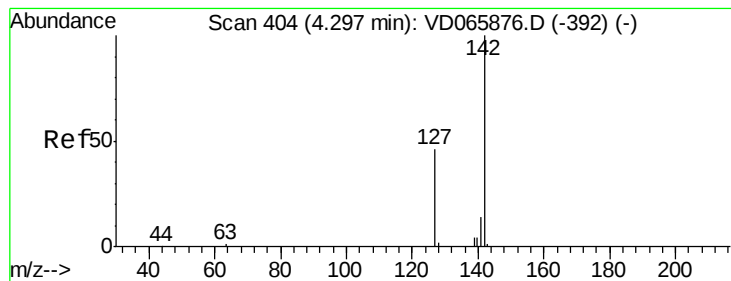
45 108.2 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#10

Methvl Iodide

Concen: 1.873 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD065906.D

Acq: 01 Jul 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

TP1-SS

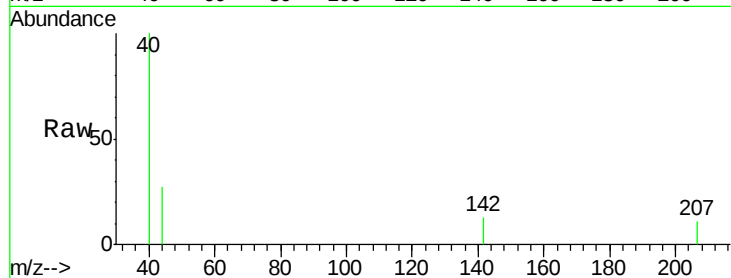
Tot Ion:142 Resp: 67

Ion Ratio Lower Upper

142 100

127 0.0 39.0 58.6#

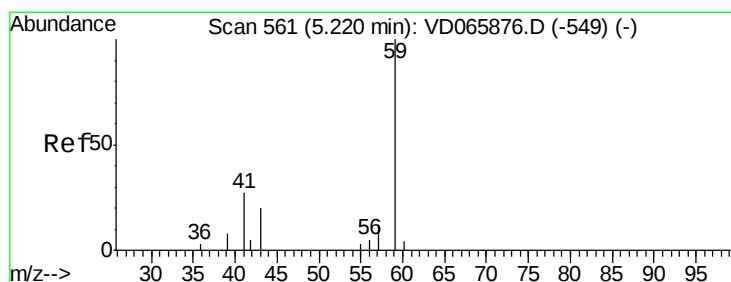
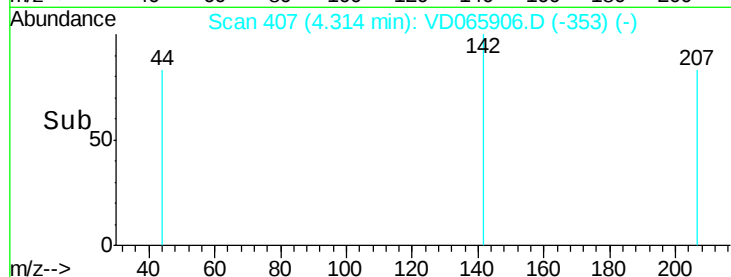
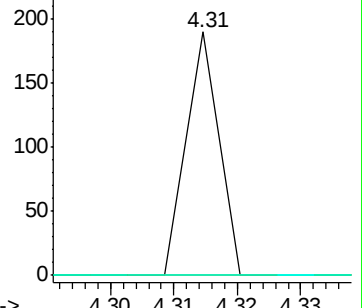
141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD065906.D

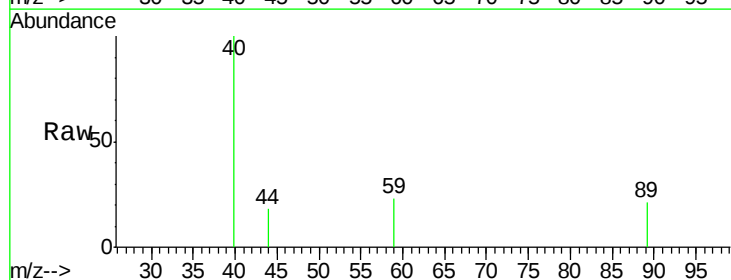
Acq: 01 Jul 2020 15:21

Tgt Ion: 59 Resp: 621

Ion Ratio Lower Upper

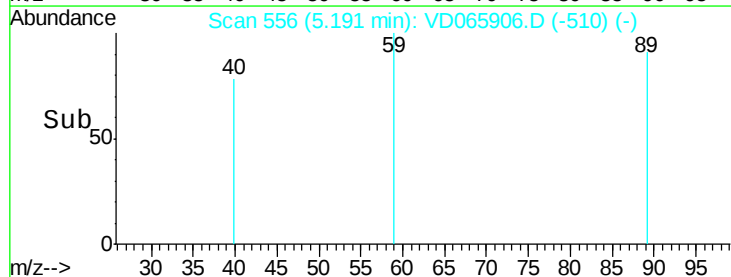
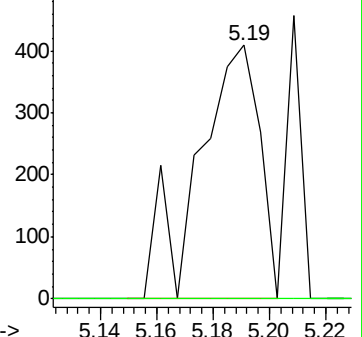
59 100

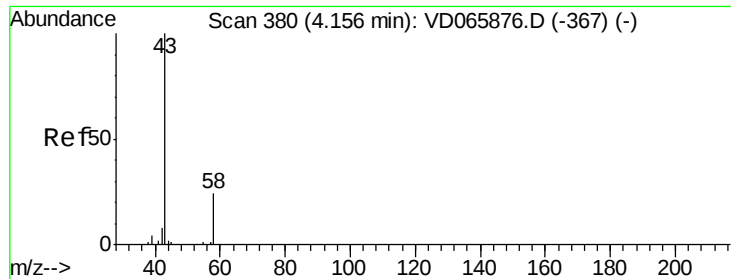
57 0.0 9.7 14.5#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 1.957 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065906.D

Acq: 01 Jul 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

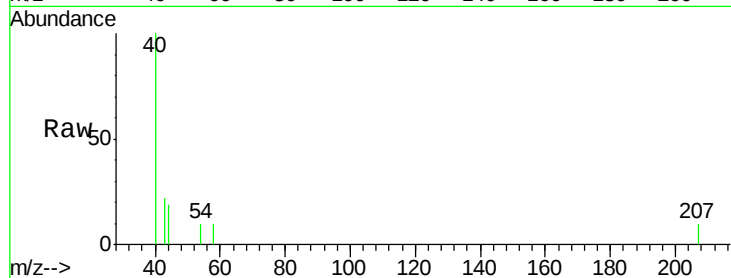
TP1-SS

Tot Ion: 43 Resp: 594

Ion Ratio Lower Upper

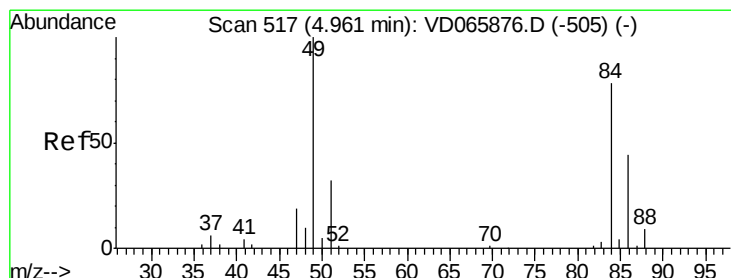
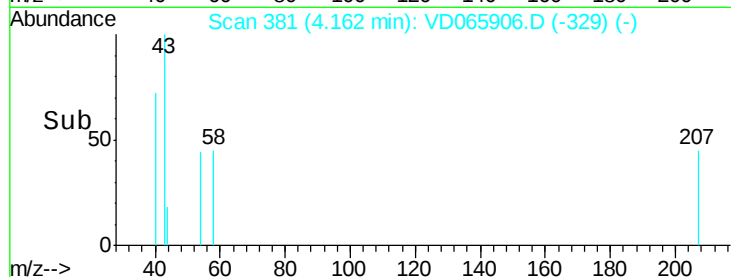
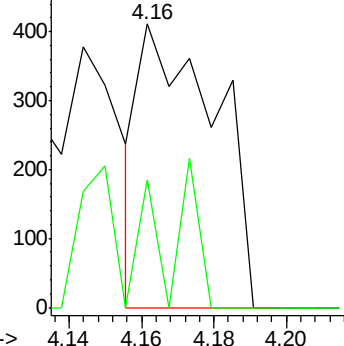
43 100

58 45.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.633 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065906.D

Acq: 01 Jul 2020 15:21

Tgt Ion: 84 Resp: 10891

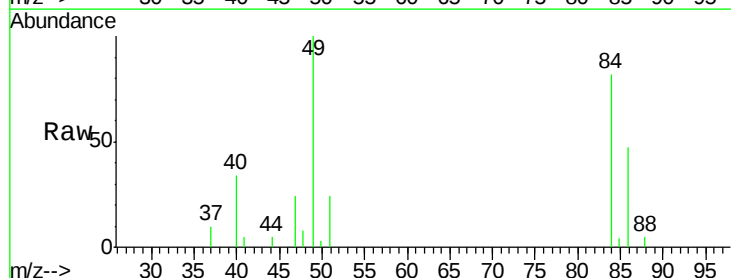
Ion Ratio Lower Upper

84 100

49 122.6 103.0 154.6

51 29.8 32.7 49.1#

86 57.6 44.9 67.3

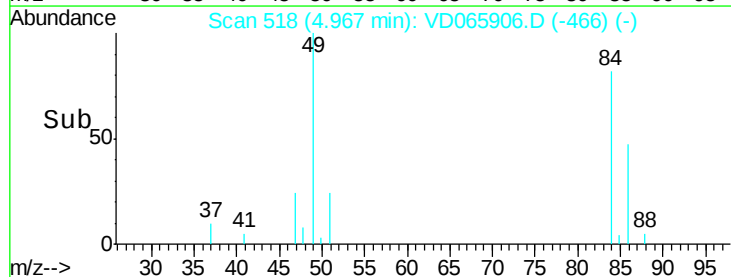
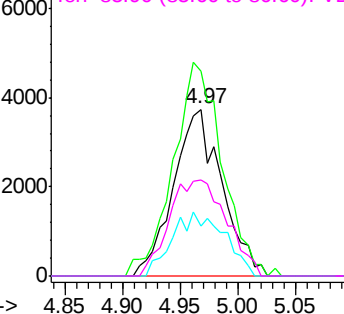


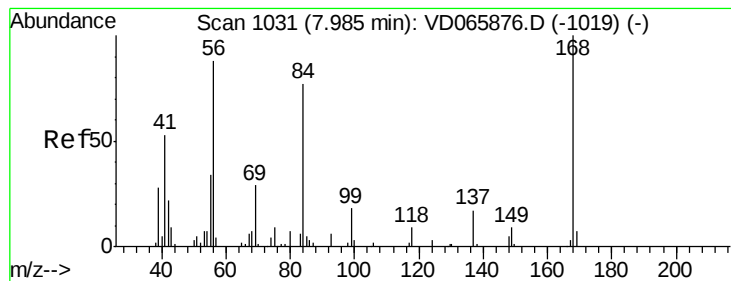
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.614 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065906.D

Acq: 01 Jul 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

TP1-SS

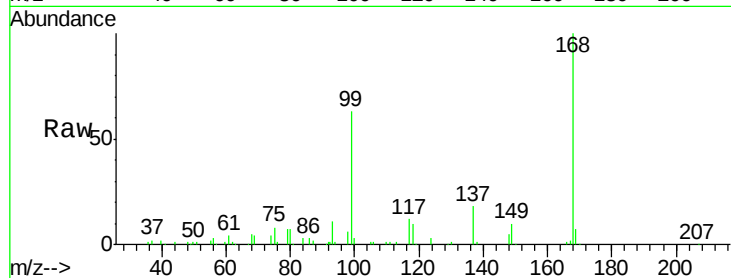
Tot Ion: 56 Resp: 4480

Ion Ratio Lower Upper

56 100

69 125.8 26.2 39.4#

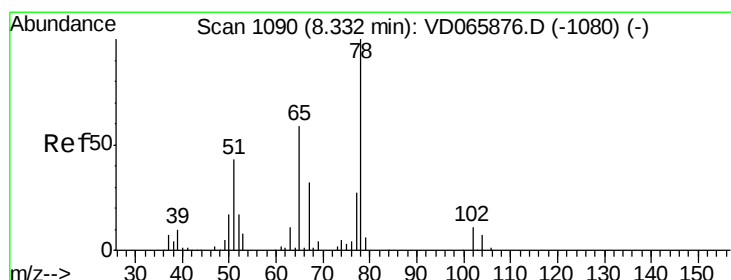
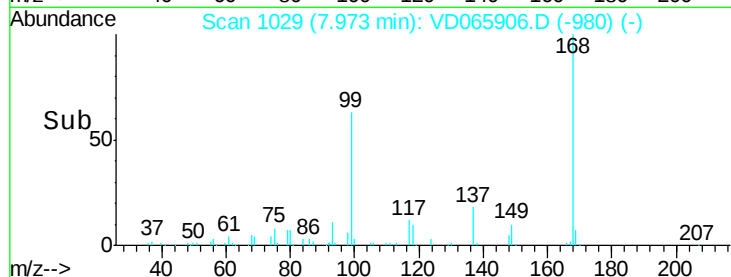
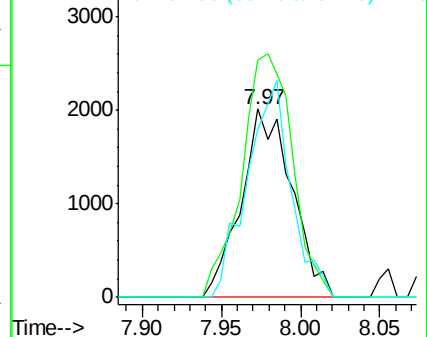
84 88.9 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 61.208 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065906.D

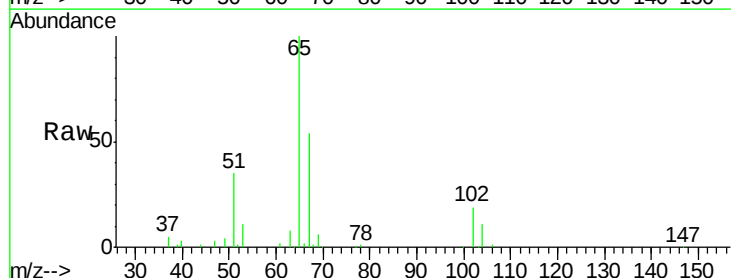
Acq: 01 Jul 2020 15:21

Tgt Ion: 65 Resp: 94845

Ion Ratio Lower Upper

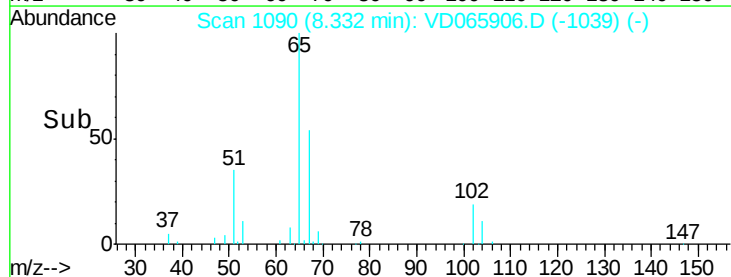
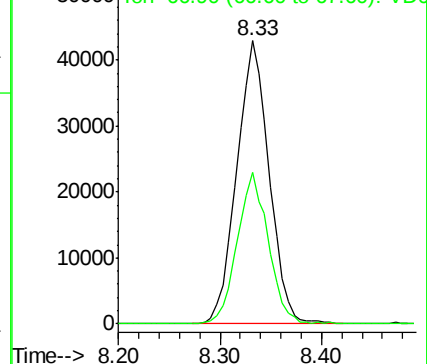
65 100

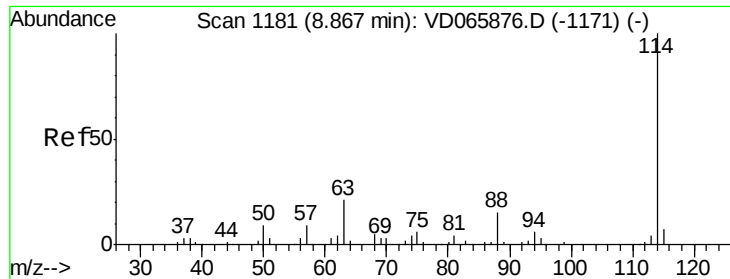
67 51.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

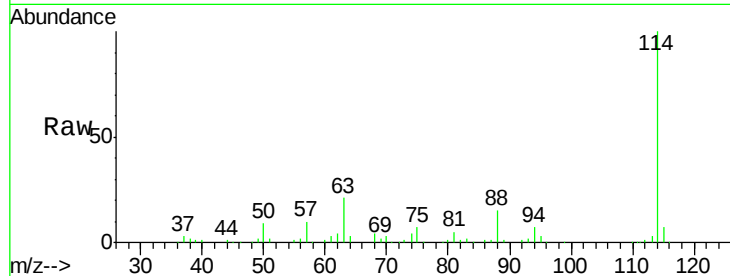




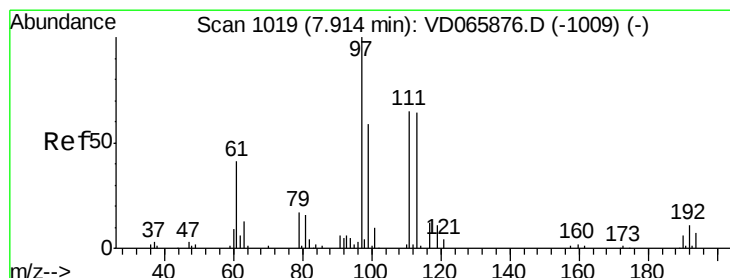
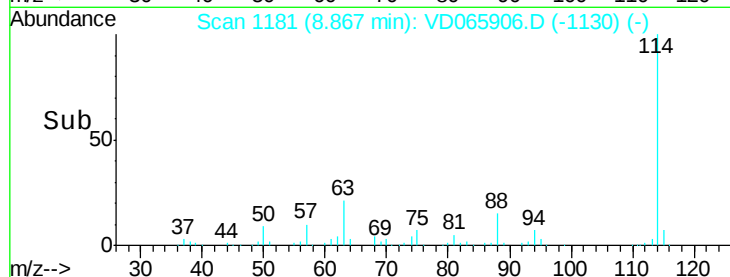
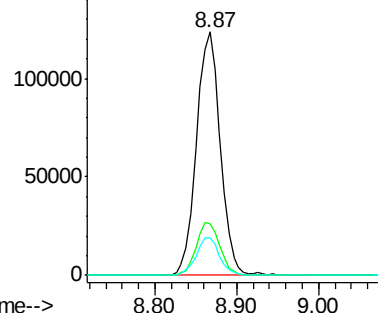
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

Instrument :
MSVOA_D
ClientSampleId :
TP1-SS

Tot Ion:114 Resp: 251649
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.6
88 15.2 0.0 29.0

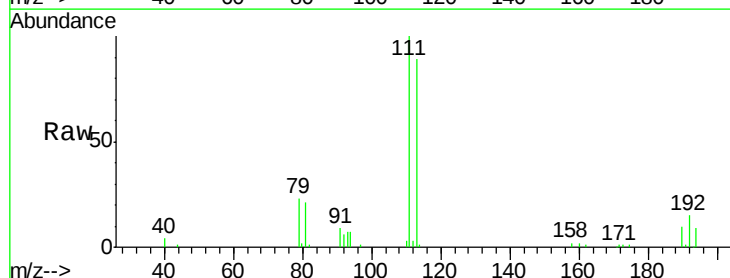


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

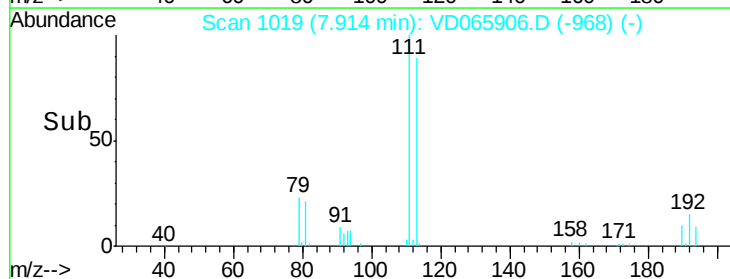
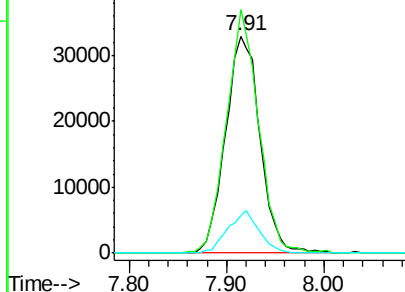


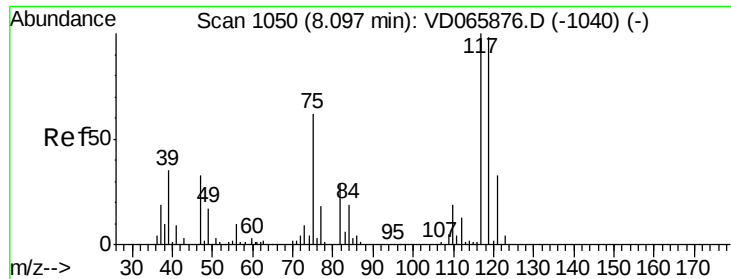
#35
Dibromofluoromethane
Concen: 51.827 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

Tgt Ion:113 Resp: 80615
Ion Ratio Lower Upper
113 100
111 104.6 81.0 121.6
192 17.5 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

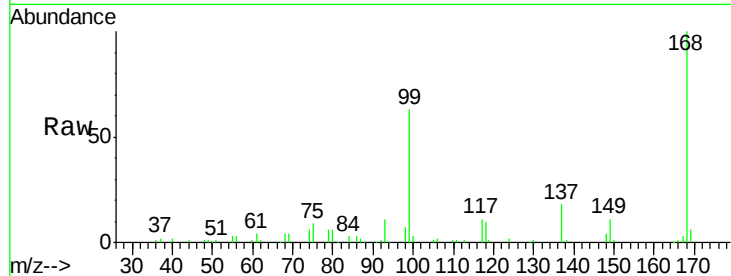




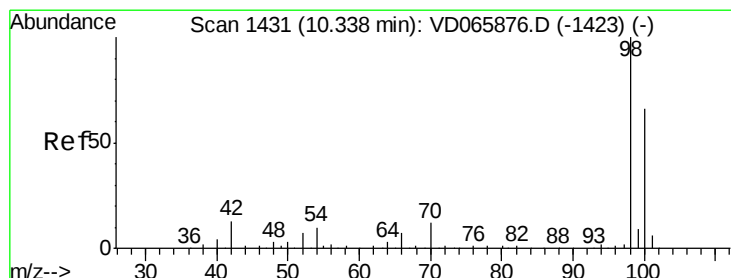
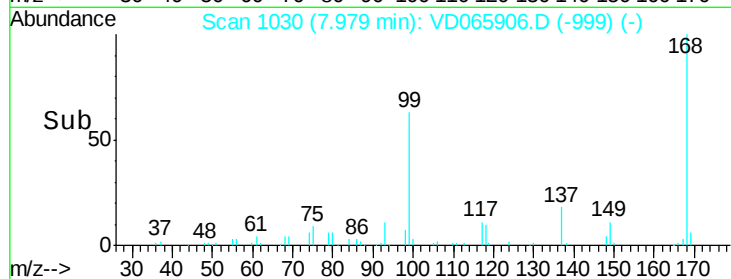
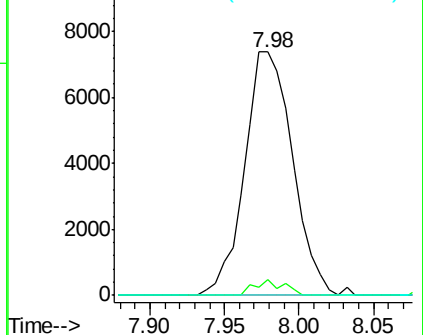
#38
Carbon Tetrachloride
Concen: 6.206 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

Instrument :
MSVOA_D
ClientSampleId :
TP1-SS

Tot Ion:117 Resp: 16444
Ion Ratio Lower Upper
117 100
119 6.6 78.6 117.8#
121 0.0 26.5 39.7#

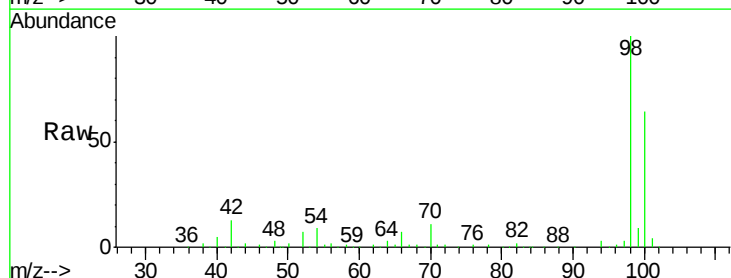


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

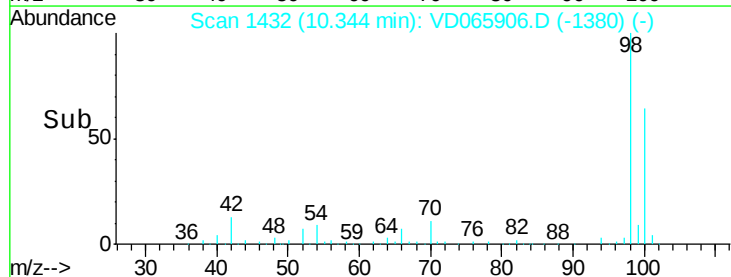
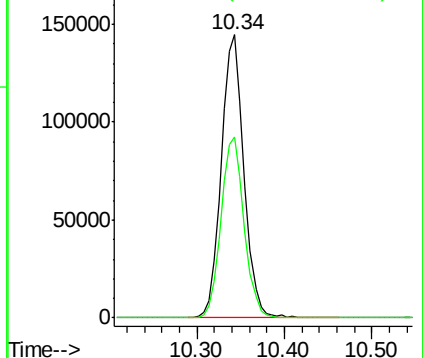


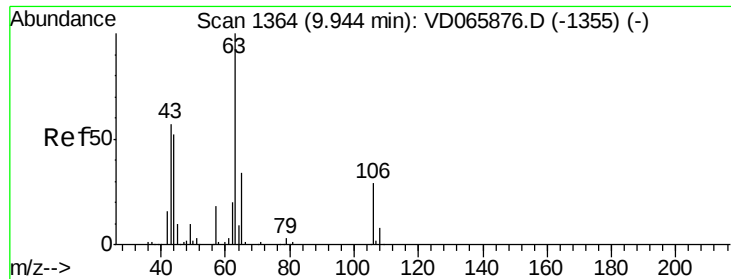
#50
Toluene-d8
Concen: 44.067 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

Tgt Ion: 98 Resp: 257841
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

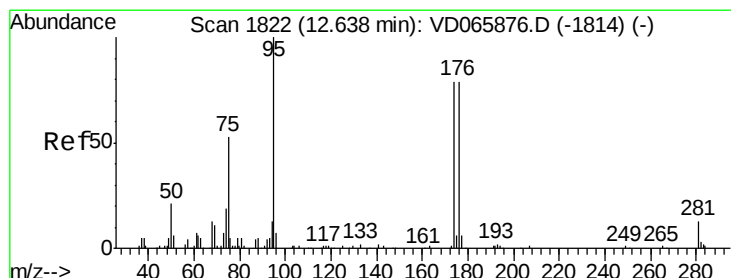
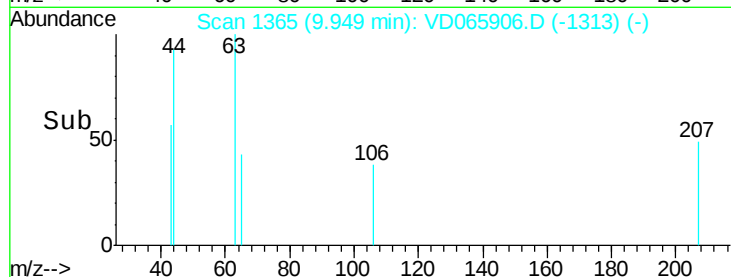
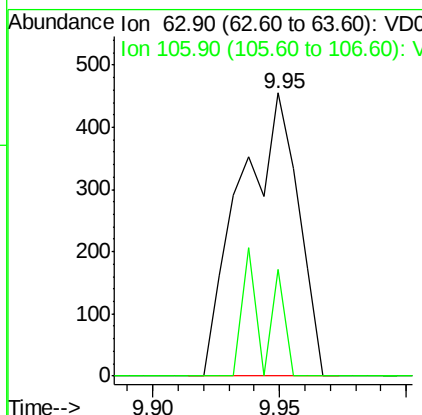
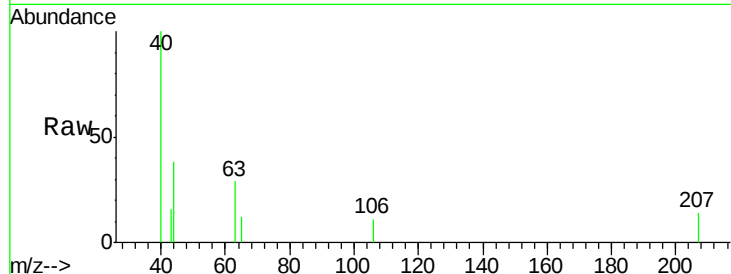




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.113 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065906.D
 Acq: 01 Jul 2020 15:21

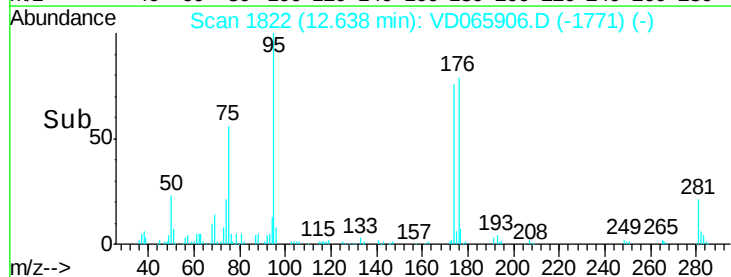
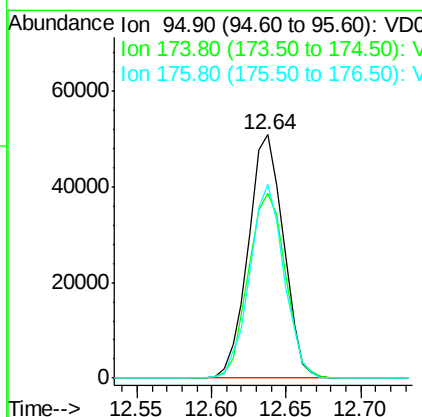
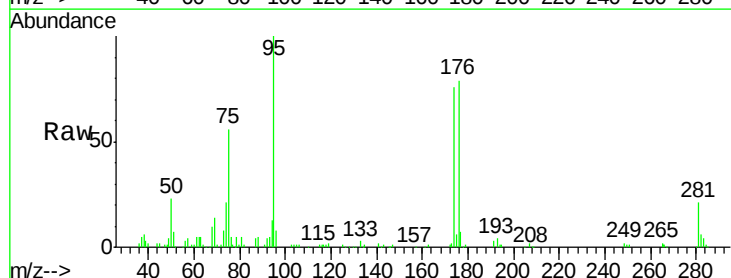
Instrument :
 MSVOA_D
 ClientSampleID :
 TP1-SS

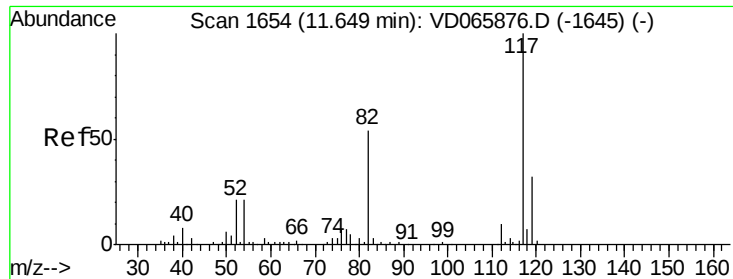
Tot Ion: 63 Resp: 726
 Ion Ratio Lower Upper
 63 100
 106 18.3 22.6 34.0#



#62
 4-Bromofluorobenzene
 Concen: 43.340 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065906.D
 Acq: 01 Jul 2020 15:21

Tgt Ion: 95 Resp: 83075
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 158.4
 176 77.4 0.0 156.0

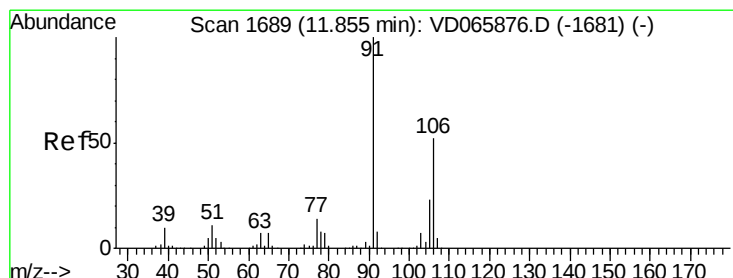
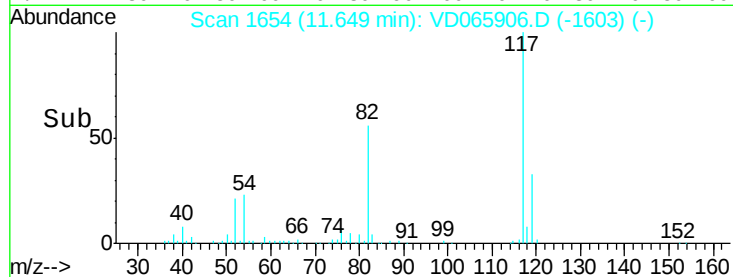
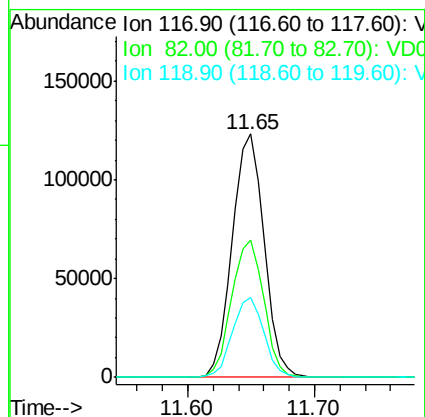
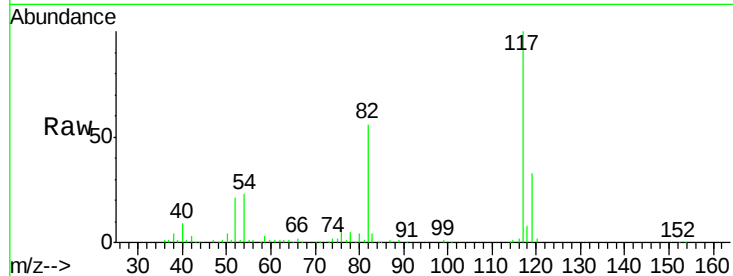




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

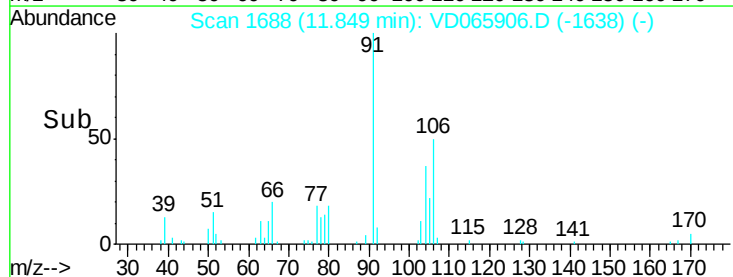
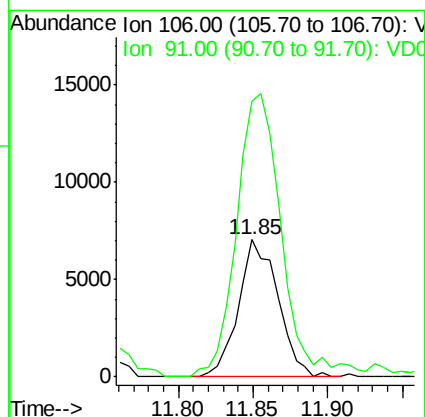
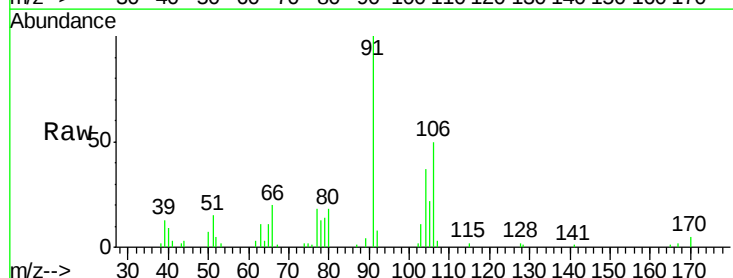
Instrument :
MSVOA_D
ClientSampleId :
TP1-SS

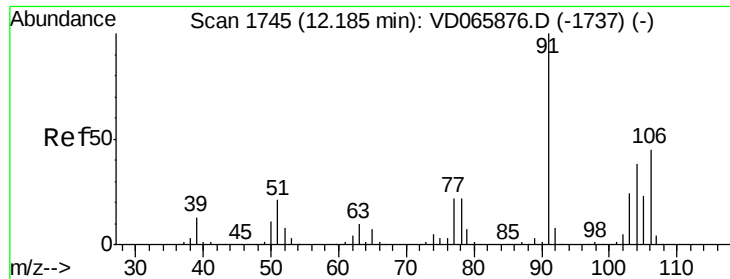
Tot Ion:117 Resp: 214083
Ion Ratio Lower Upper
117 100
82 56.4 43.6 65.4
119 32.5 25.9 38.9



#68
m/p-Xylenes
Concen: 4.318 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

Tgt Ion:106 Resp: 12965
Ion Ratio Lower Upper
106 100
91 235.0 159.5 239.3

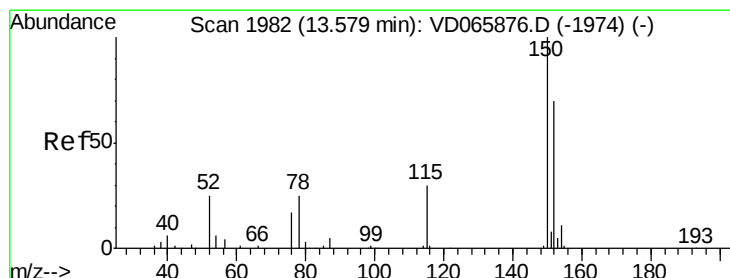
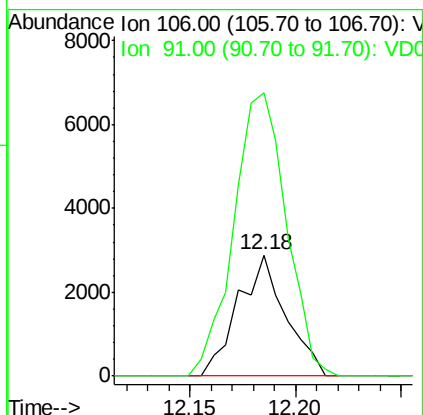
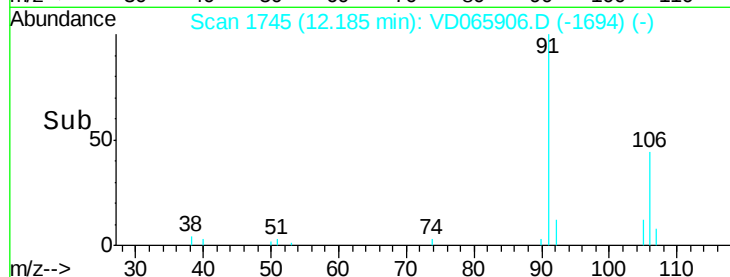
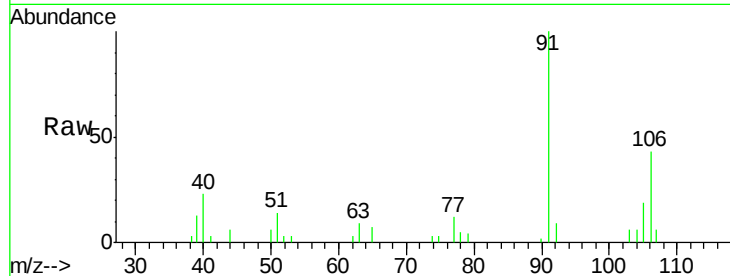




#69
o-Xylene
Concen: 1.670 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

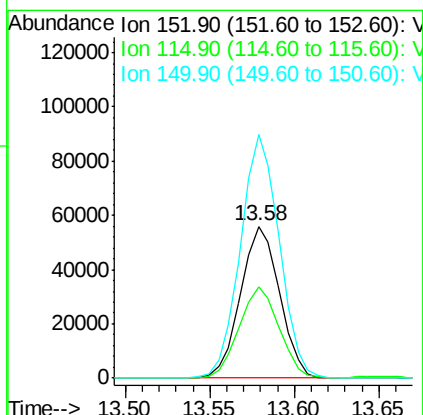
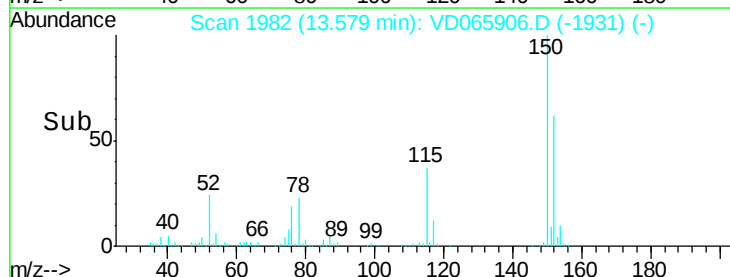
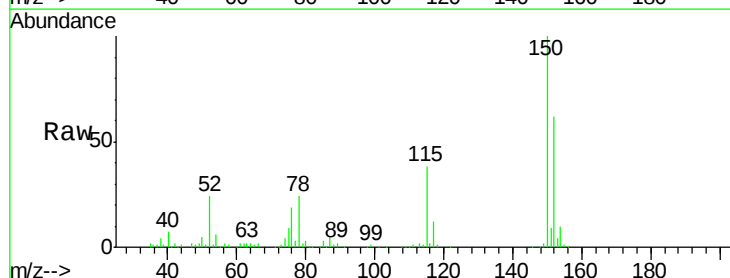
Instrument :
MSVOA_D
ClientSampleID :
TP1-SS

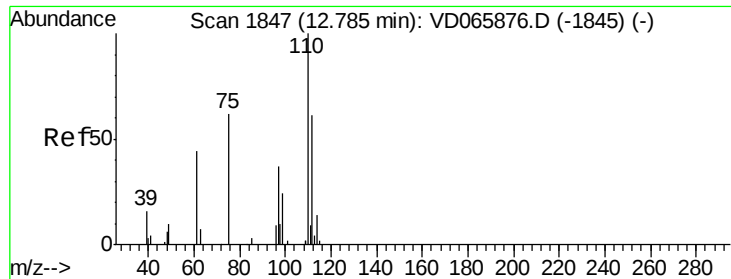
Tot Ion:106 Resp: 4505
Ion Ratio Lower Upper
106 100
91 258.9 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065906.D
Acq: 01 Jul 2020 15:21

Tgt Ion:152 Resp: 89922
Ion Ratio Lower Upper
152 100
115 61.4 29.7 89.1
150 159.7 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 60.595 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065906.D

Acq: 01 Jul 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

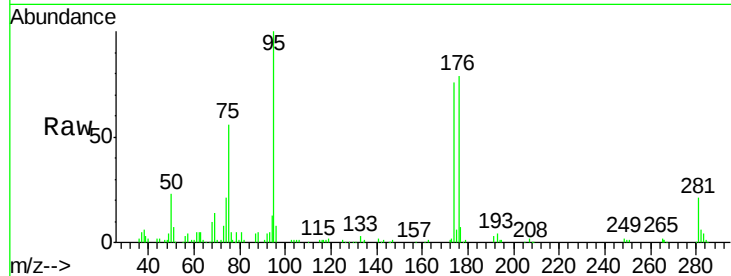
TP1-SS

Tot Ion: 75 Resp: 47678

Ion Ratio Lower Upper

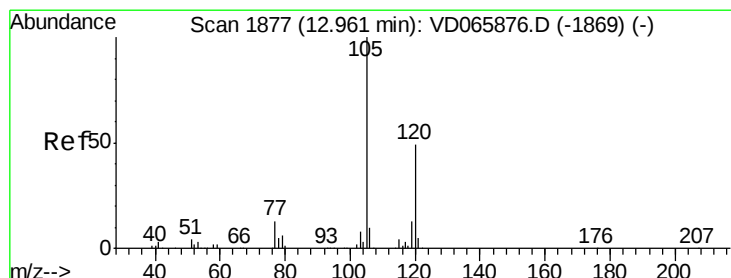
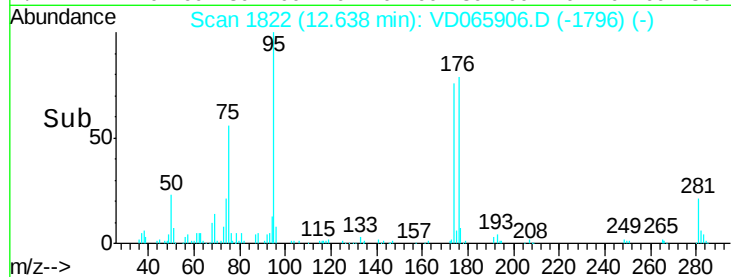
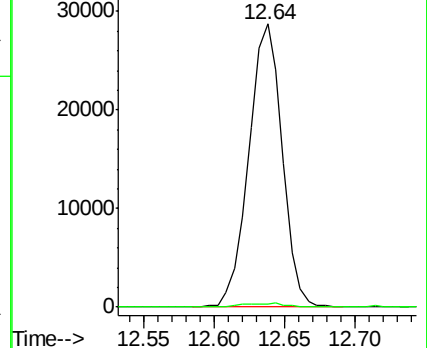
75 100

77 1.7 168.5 505.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#80

1,3,5-Trimethylbenzene

Concen: 1.459 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065906.D

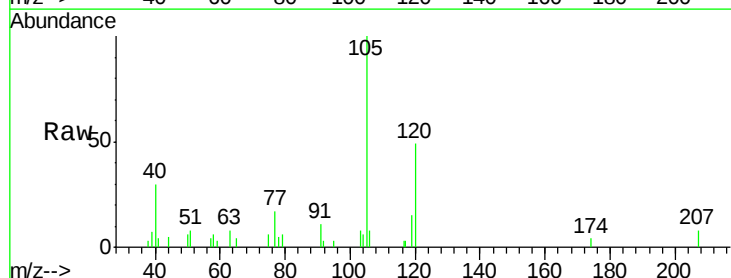
Acq: 01 Jul 2020 15:21

Tgt Ion:105 Resp: 7856

Ion Ratio Lower Upper

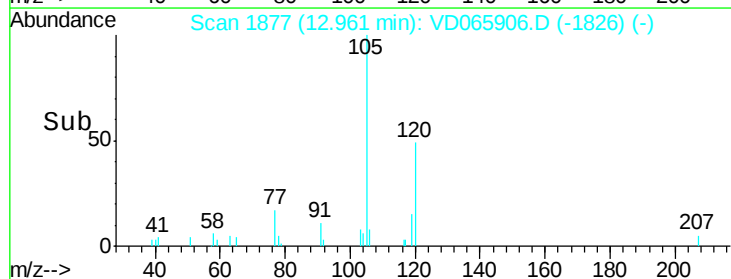
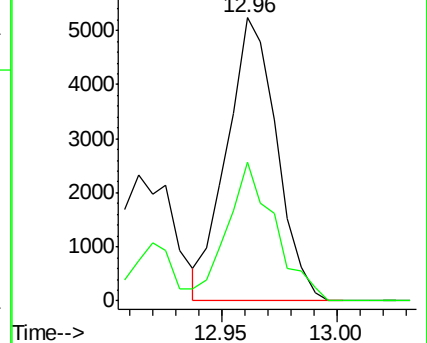
105 100

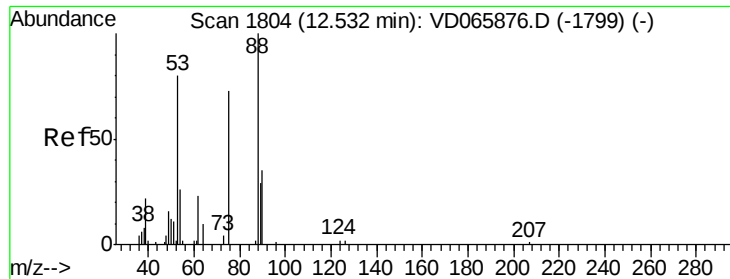
120 46.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.179 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065906.D

Acq: 01 Jul 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

TP1-SS

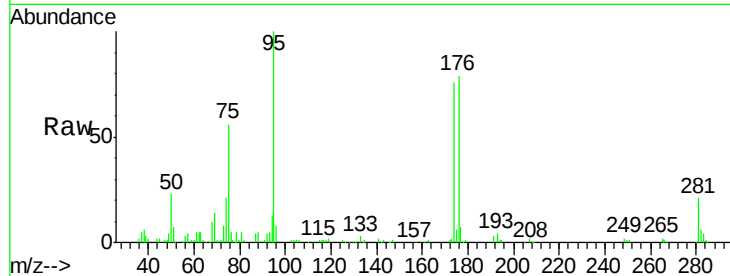
Tot Ion: 75 Resp: 47678

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

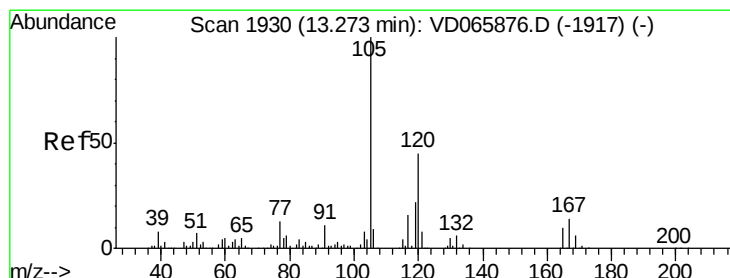
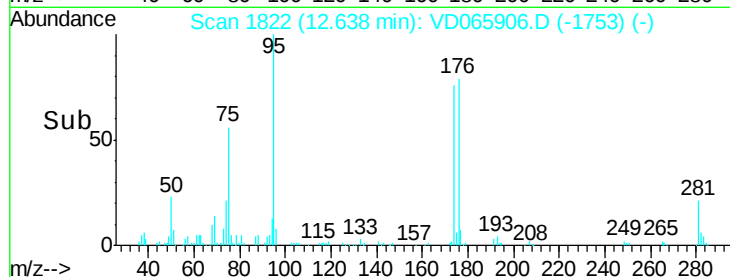
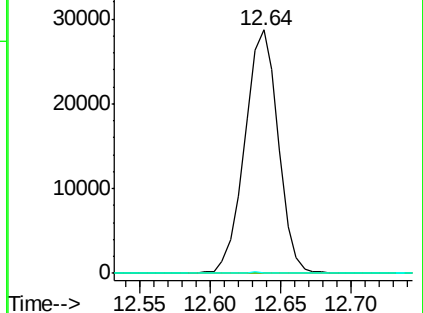
89 0.1 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 3.570 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD065906.D

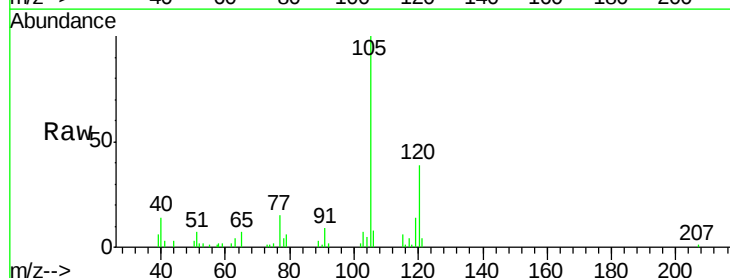
Acq: 01 Jul 2020 15:21

Tgt Ion:105 Resp: 18936

Ion Ratio Lower Upper

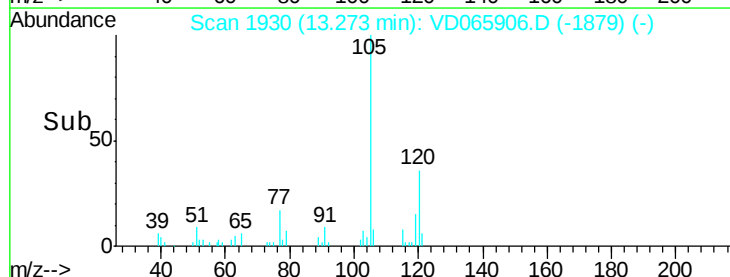
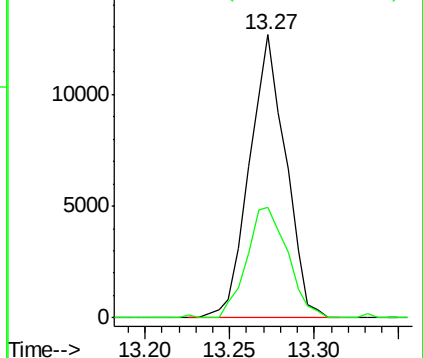
105 100

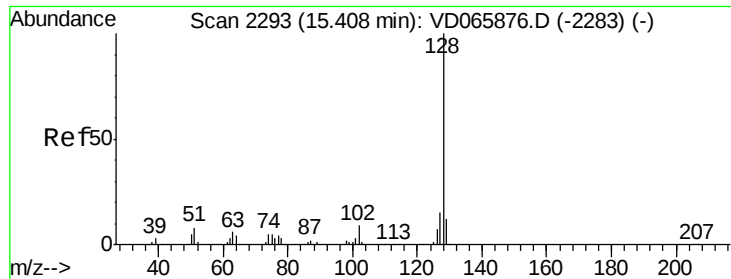
120 44.2 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

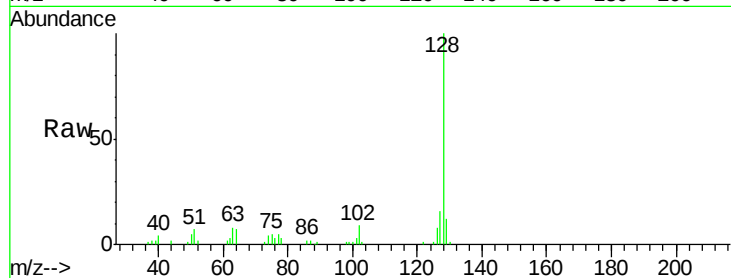




#95
 Naphthalene
 Concen: 22.150 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD065906.D
 Acq: 01 Jul 2020 15:21

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1-SS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	11.7	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

