

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066003.D
 Acq On : 22 Jul 2020 15:54
 Operator : VA/SY
 Sample : L3360-04
 Misc : 6.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Quant Time: Jul 23 01:04:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	234448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	382700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	353136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	106876	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	7.91	113	909	0.39	ug/l	-0.01
Spiked Amount			Recovery	=	0.78%	
50) Toluene-d8	10.34	98	357844	41.38	ug/l	0.00
Spiked Amount			Recovery	=	82.76%	
62) 4-Bromofluorobenzene	12.64	95	119733	39.93	ug/l	0.00
Spiked Amount			Recovery	=	79.86%	

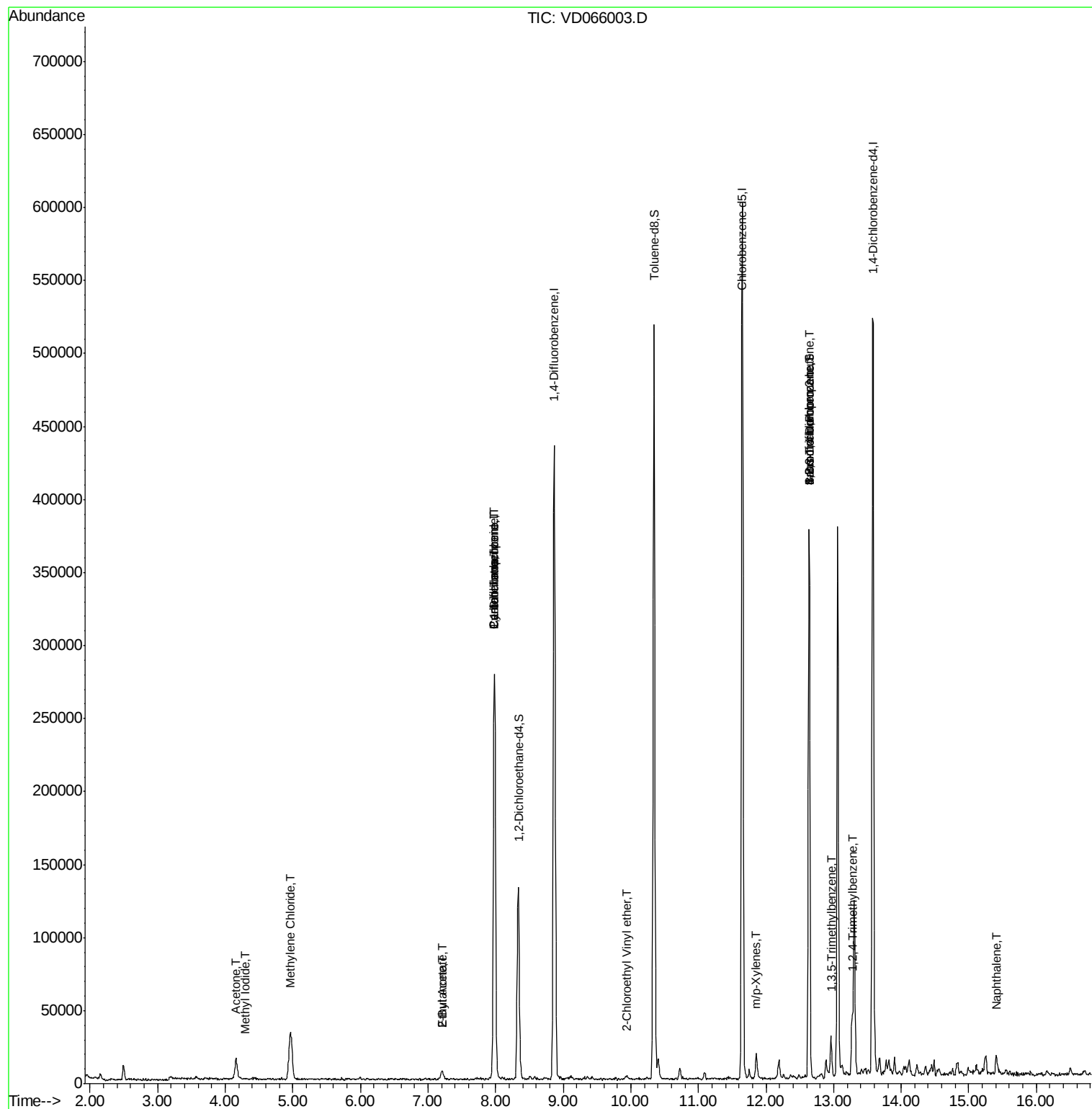
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	64	Below Cal	#	22
10) Methyl Iodide	4.29	142	55	8.835	ug/l #	42
11) Tert butyl alcohol	5.40	59	59	Below Cal	#	83
16) Acetone	4.16	43	25438	65.877	ug/l	96
20) Methylene Chloride	4.97	84	26624	10.104	ug/l	97
25) 2-Butanone	7.22	43	6684	13.045	ug/l #	85
31) Cyclohexane	7.98	56	4397	1.281	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	15096	4.622	ug/l #	48
37) Ethyl Acetate	7.22	43	6684	5.359	ug/l #	70
38) Carbon Tetrachloride	7.98	117	21512	6.070	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.94	63	1046	1.115	ug/l #	77
68) m/p-Xylenes	11.86	106	5490	1.284	ug/l	87
71) Bromoform	12.63	173	1440	1.030	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	59212	51.473	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	9186	1.209	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.64	75	59212	118.112	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.27	105	23023	3.072	ug/l	97
95) Naphthalene	15.40	128	12543	5.949	ug/l #	93

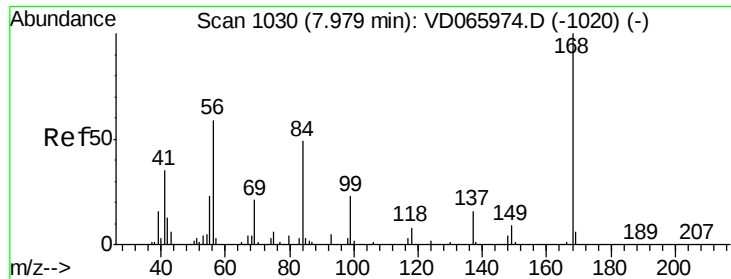
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 21 12:34:13 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: VD066003.D

Acq: 22 Jul 2020 15:54

Instrument :

MSVOA_D

ClientSampleID :

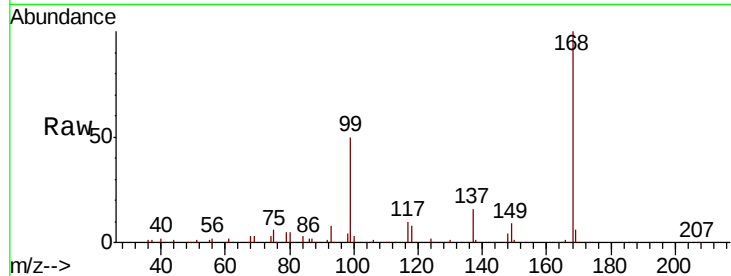
SP-3

Tot Ion:168 Resp: 234448

Ion Ratio Lower Upper

168 100

99 50.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

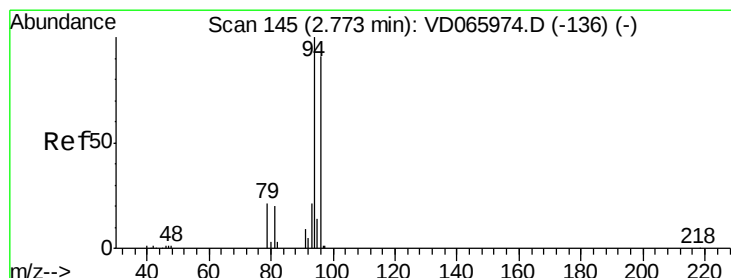
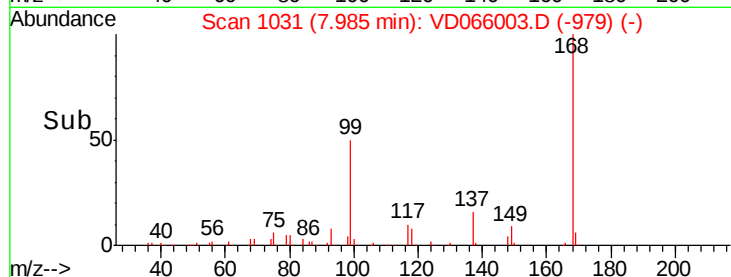
0

7.90

8.00

8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD066003.D

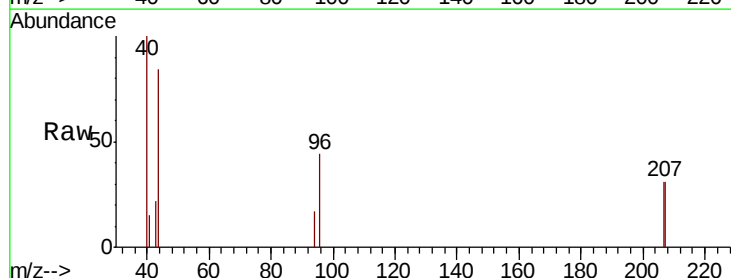
Acq: 22 Jul 2020 15:54

Tgt Ion: 94 Resp: 64

Ion Ratio Lower Upper

94 100

96 165.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

300

200

100

0

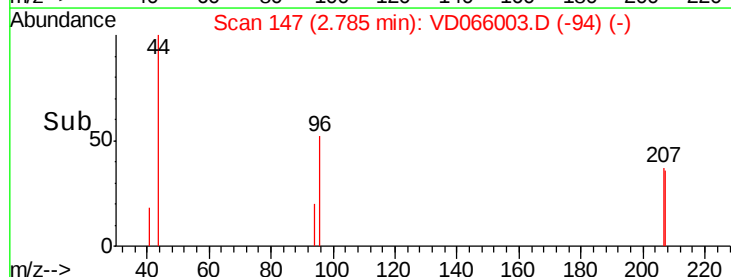
2.77

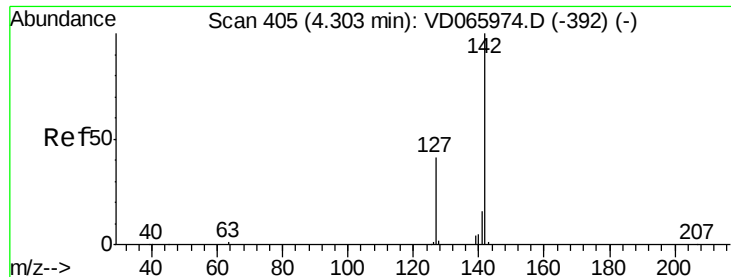
2.78

2.79

2.80

Time-->

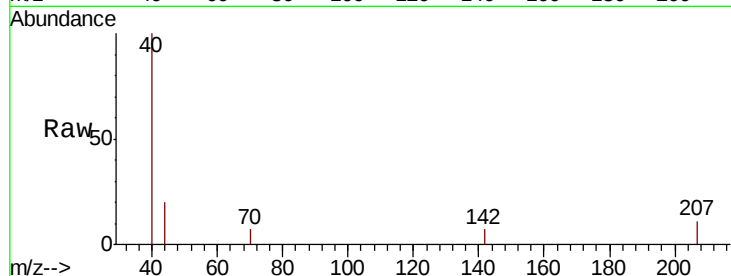




#10
Methyl Iodide
Concen: 8.835 ug/l
RT: 4.29 min Scan# 403
Delta R.T. -0.01 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Instrument :
MSVOA_D
ClientSampled :
SP-3

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.9	49.3#
141	0.0	11.8	17.6#

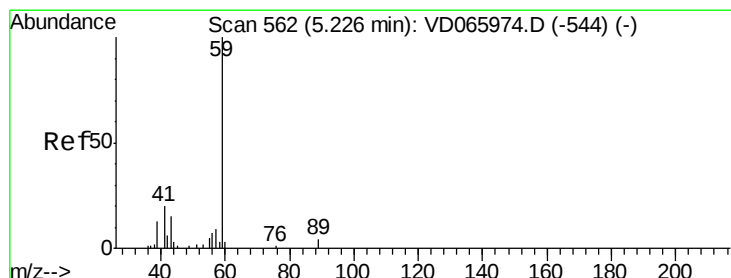
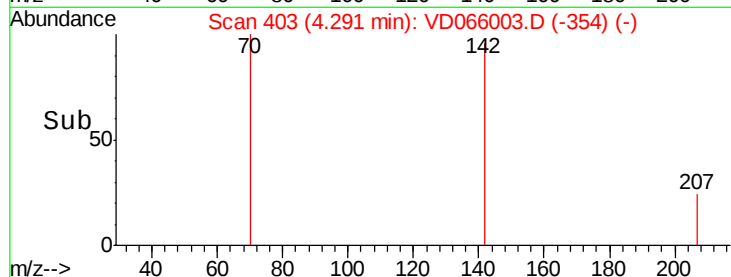
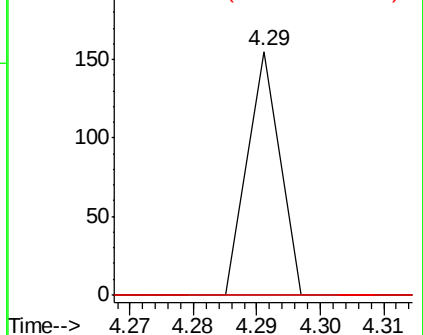


Abundance

Ion 141.80 (141.50 to 142.50): V

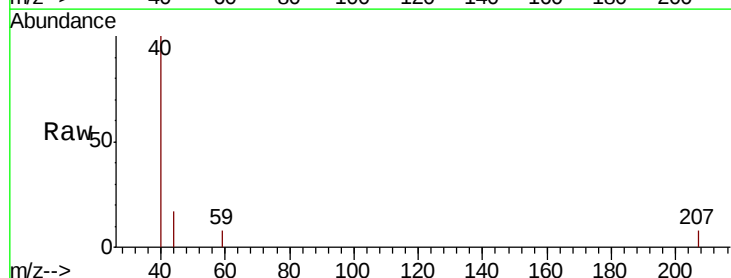
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.40 min Scan# 591
Delta R.T. 0.17 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

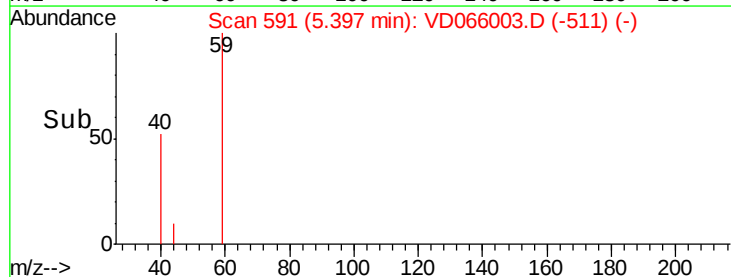
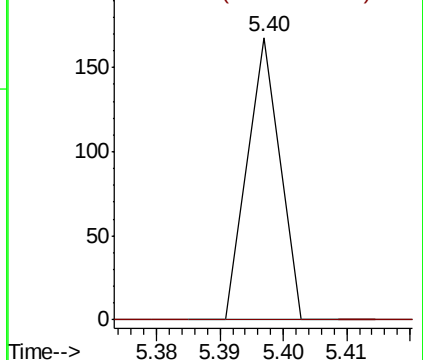
Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.5	6.7#

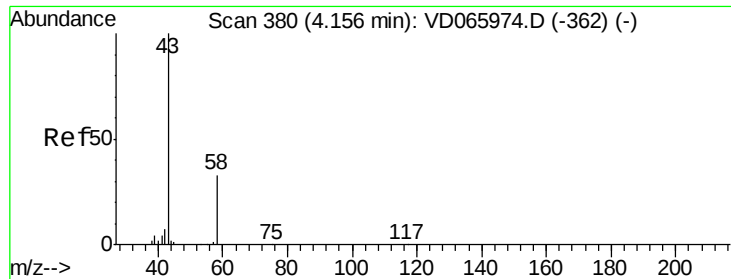


Abundance

Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

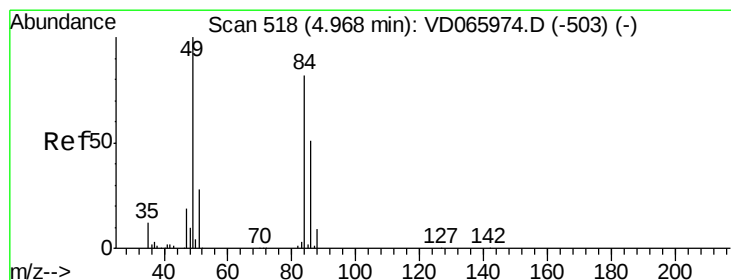
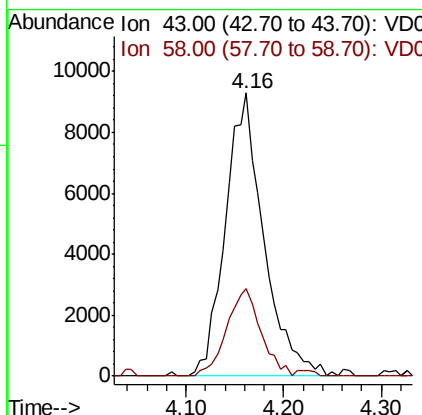
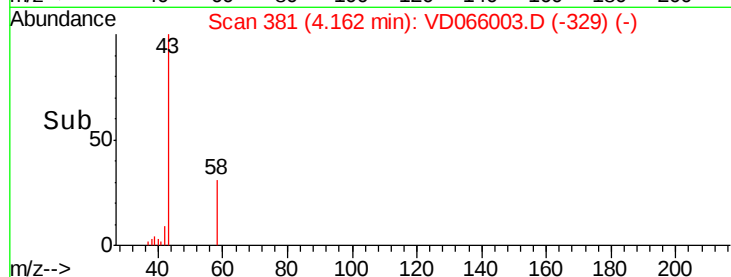
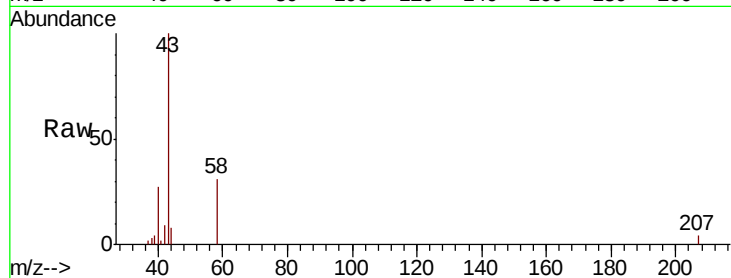




#16
Acetone
Concen: 65.877 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

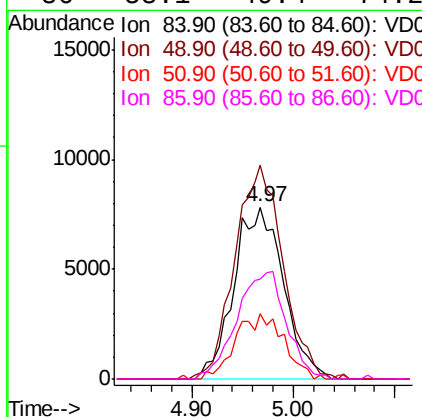
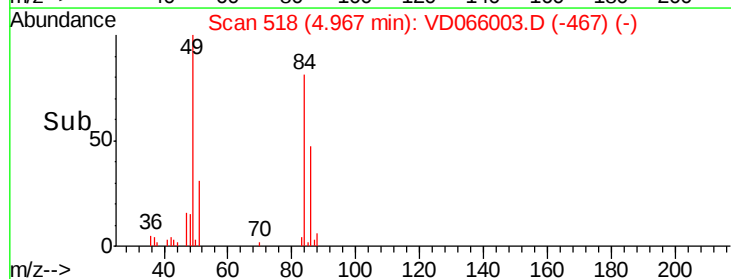
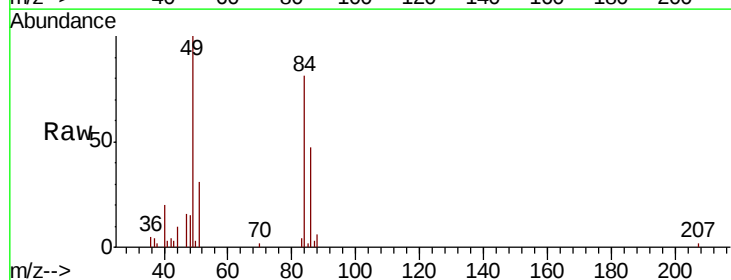
Instrument :
MSVOA_D
ClientSampled :
SP-3

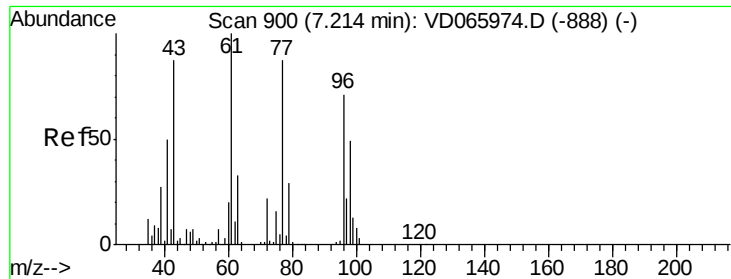
Tot Ion: 43 Resp: 25438
Ion Ratio Lower Upper
43 100
58 30.8 26.3 39.5



#20
Methylene Chloride
Concen: 10.104 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Tgt Ion: 84 Resp: 26624
Ion Ratio Lower Upper
84 100
49 124.1 97.7 146.5
51 38.0 27.4 41.2
86 58.1 49.4 74.2





#25

2-Butanone

Concen: 13.045 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066003.D

Acq: 22 Jul 2020 15:54

Instrument :

MSVOA_D

ClientSampled :

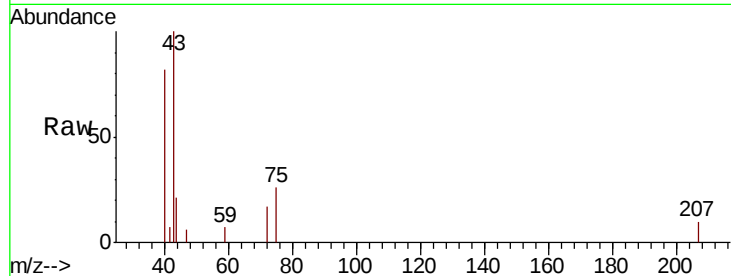
SP-3

Tot Ion: 43 Resp: 6684

Ion Ratio Lower Upper

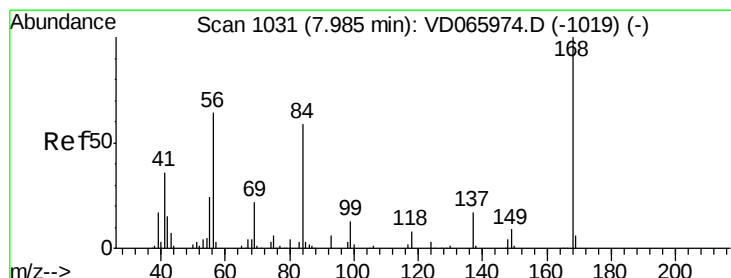
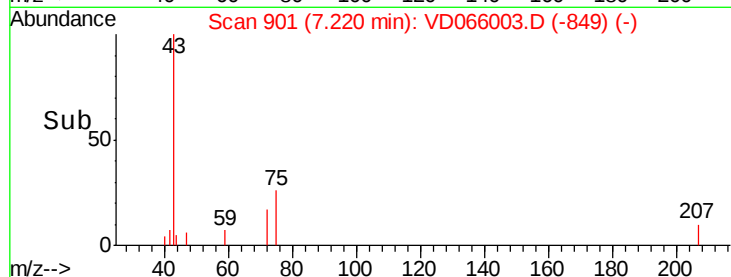
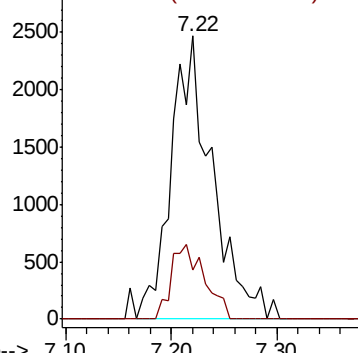
43 100

72 17.5 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.281 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066003.D

Acq: 22 Jul 2020 15:54

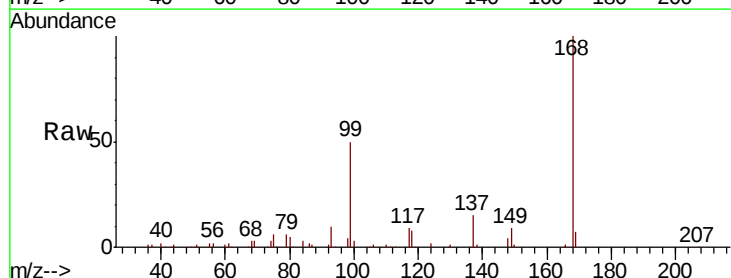
Tgt Ion: 56 Resp: 4397

Ion Ratio Lower Upper

56 100

69 155.4 28.0 42.0#

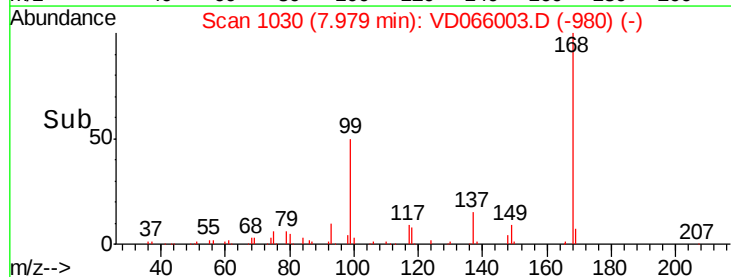
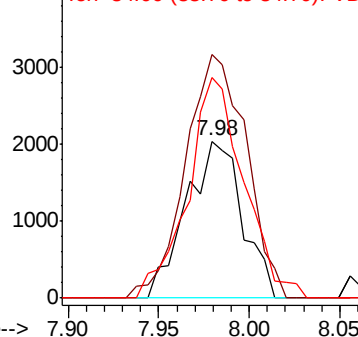
84 141.0 72.6 109.0#

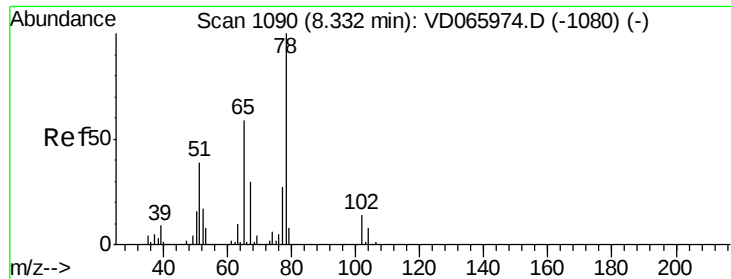


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

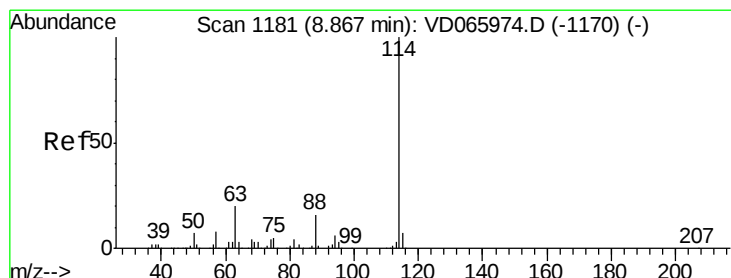
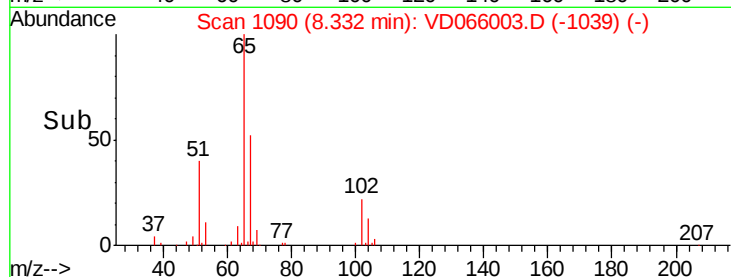
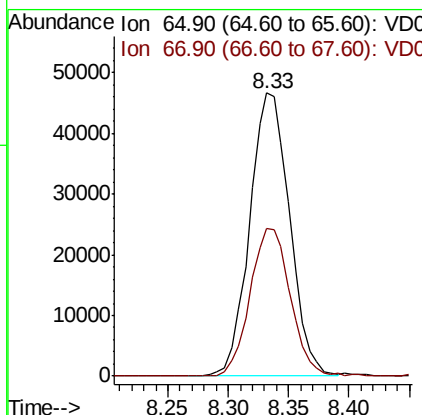
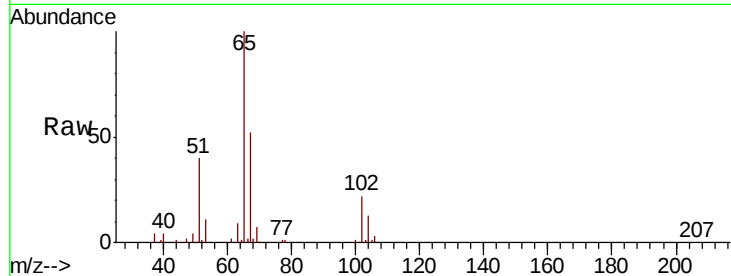




#33
 1,2-Dichloroethane-d4
 Concen: 56.024 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066003.D
 Acq: 22 Jul 2020 15:54

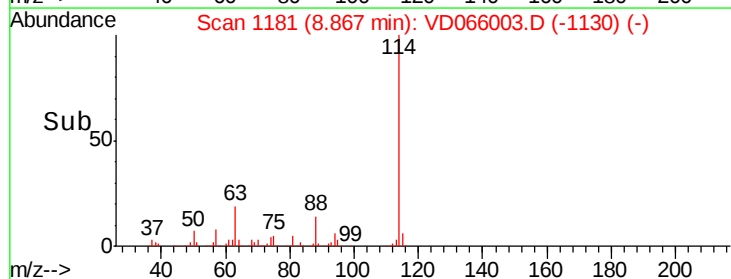
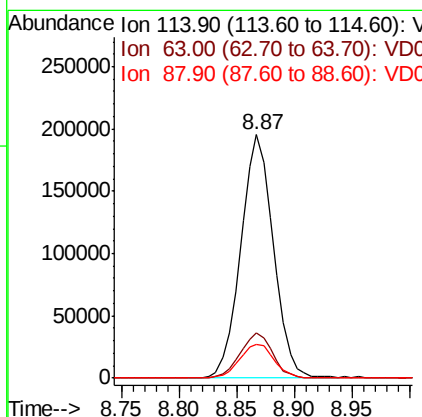
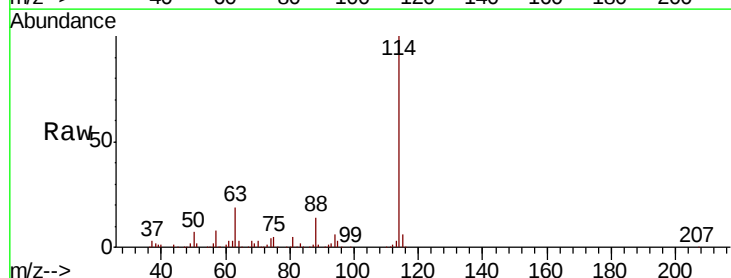
Instrument :
 MSVOA_D
 ClientSampled :
 SP-3

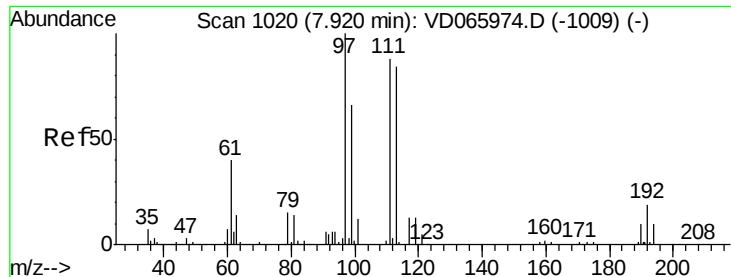
Tot Ion: 65 Resp: 106876
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066003.D
 Acq: 22 Jul 2020 15:54

Tgt Ion: 114 Resp: 382700
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.6
 88 13.9 0.0 31.2

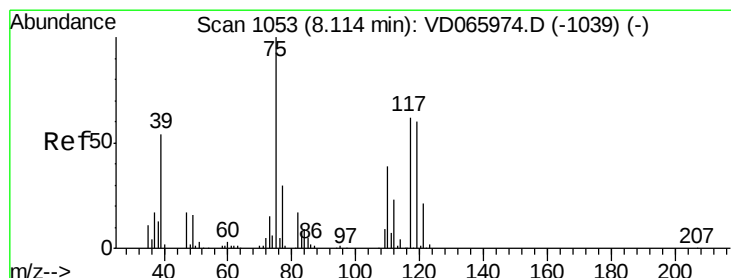
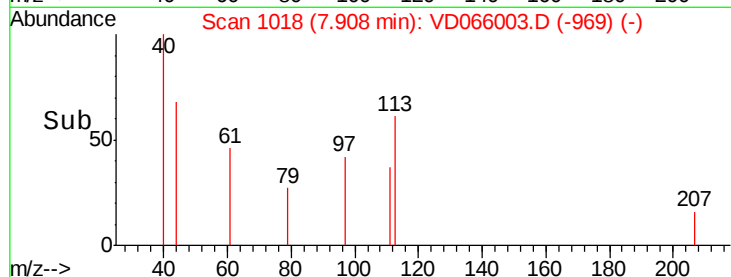
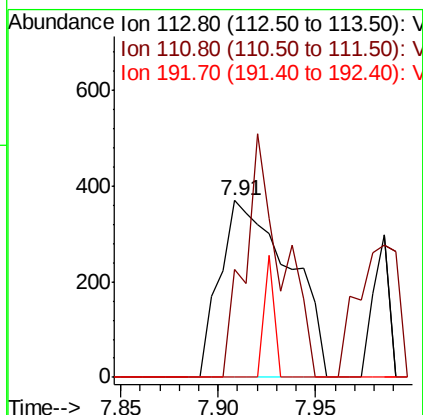
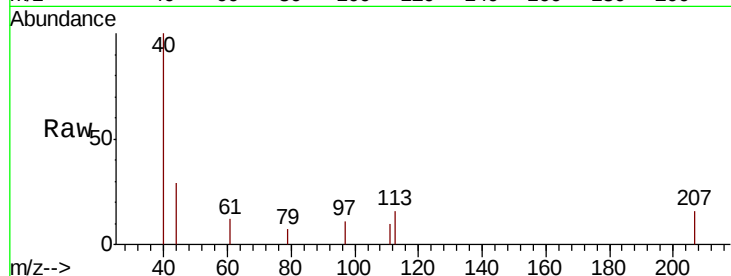




#35
 Dibromofluoromethane
 Concen: 0.392 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066003.D
 Acq: 22 Jul 2020 15:54

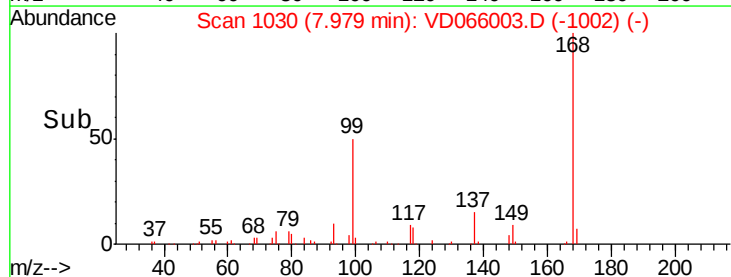
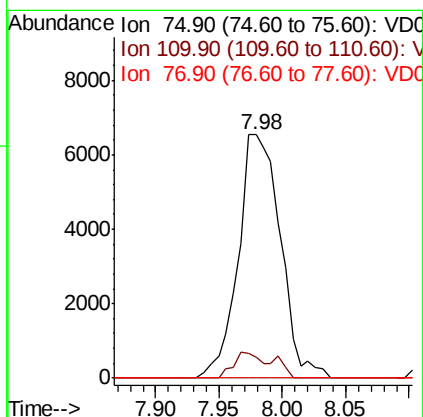
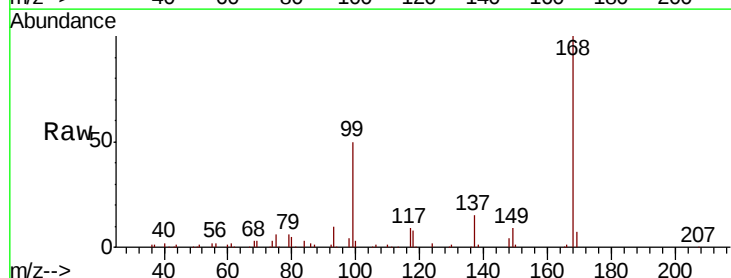
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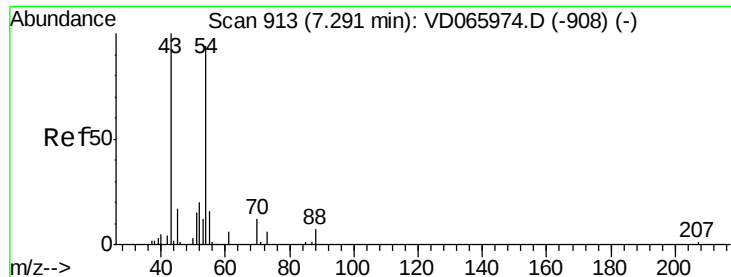
Tot Ion:113 Resp: 909
 Ion Ratio Lower Upper
 113 100
 111 73.3 83.2 124.8#
 192 9.9 18.7 28.1#



#36
 1,1-Dichloropropene
 Concen: 4.622 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066003.D
 Acq: 22 Jul 2020 15:54

Tgt Ion: 75 Resp: 15096
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.5 58.5#
 77 0.0 24.7 37.1#

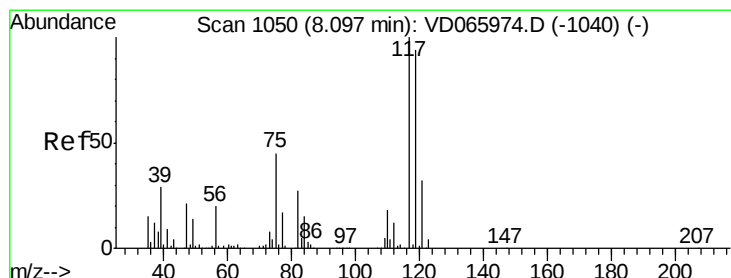
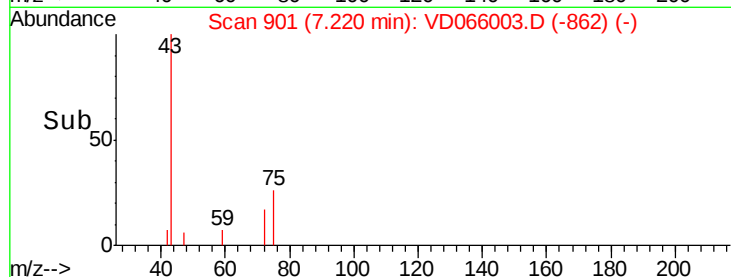
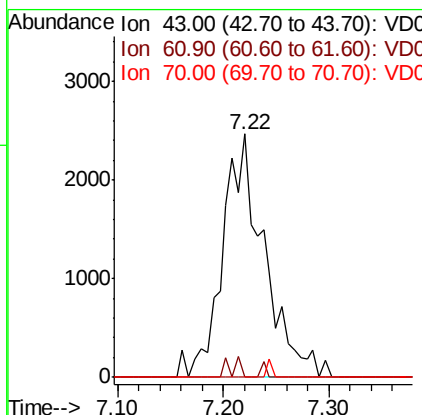
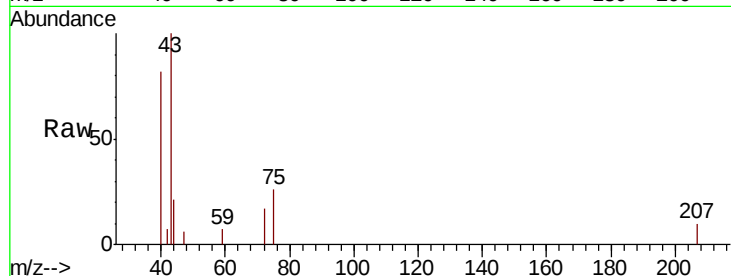




#37
Ethyl Acetate
Concen: 5.359 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.07 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

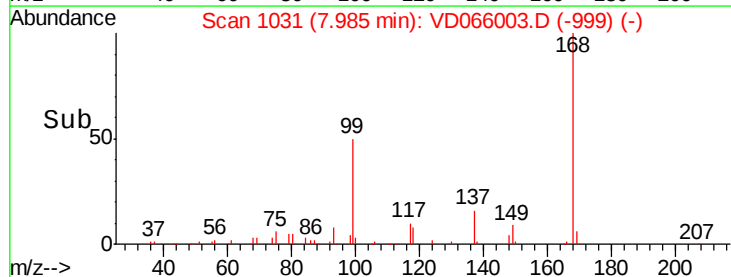
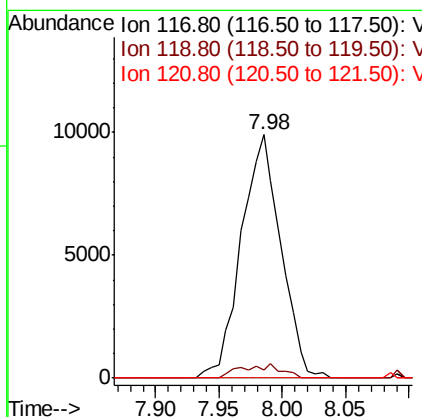
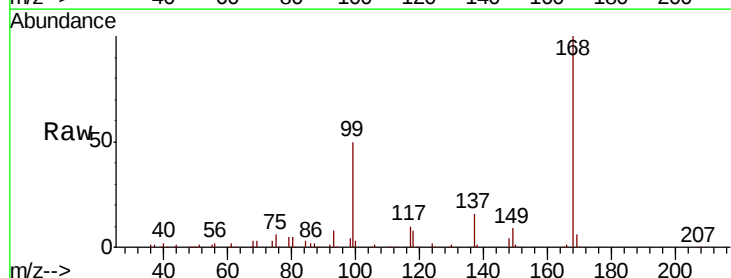
Instrument :
MSVOA_D
ClientSampleID :
SP-3

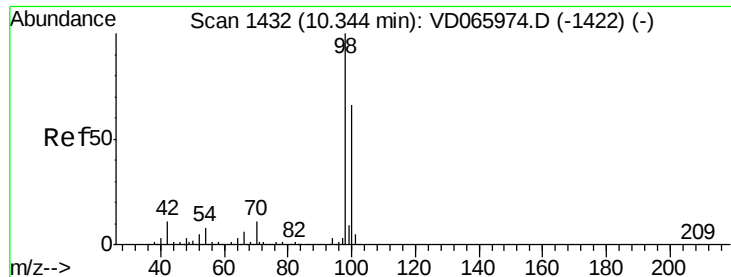
Tot Ion: 43 Resp: 6684
Ion Ratio Lower Upper
43 100
61 2.2 11.4 17.0#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Tgt Ion: 117 Resp: 21512
Ion Ratio Lower Upper
117 100
119 3.5 75.0 112.6#
121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 41.383 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066003.D

Acq: 22 Jul 2020 15:54

Instrument :

MSVOA_D

ClientSampled :

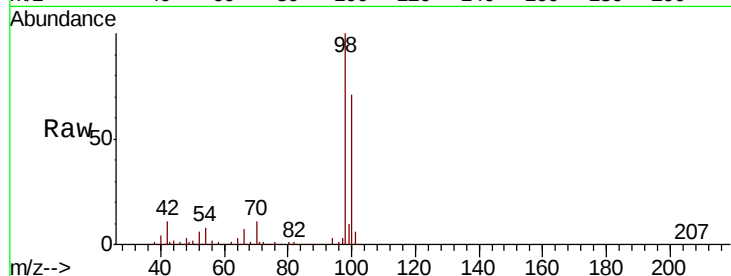
SP-3

Tot Ion: 98 Resp: 357844

Ion Ratio Lower Upper

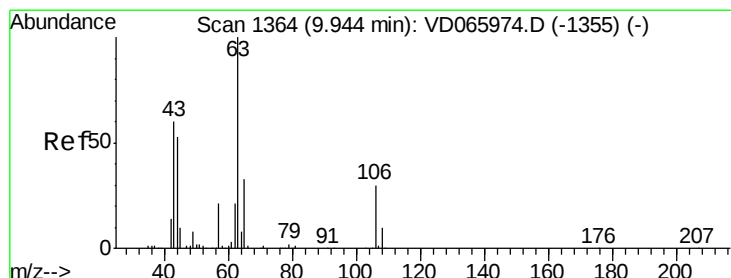
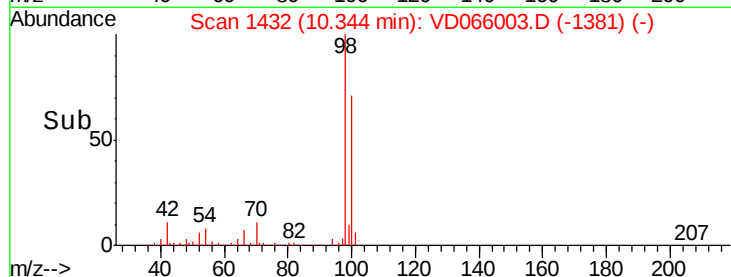
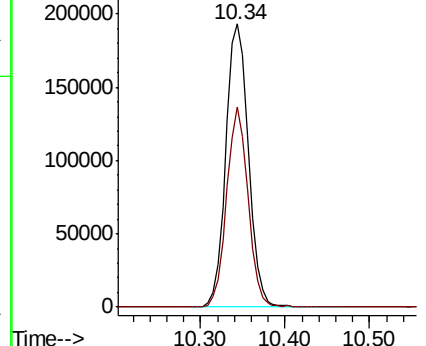
98 100

100 66.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.115 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD066003.D

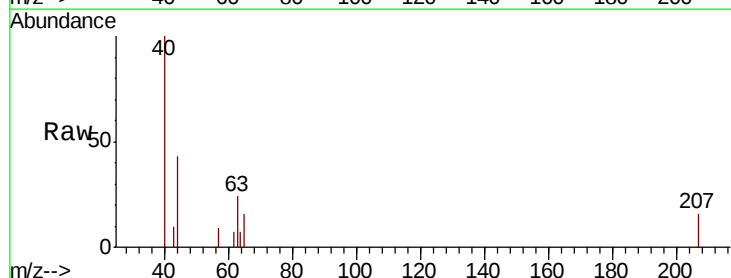
Acq: 22 Jul 2020 15:54

Tgt Ion: 63 Resp: 1046

Ion Ratio Lower Upper

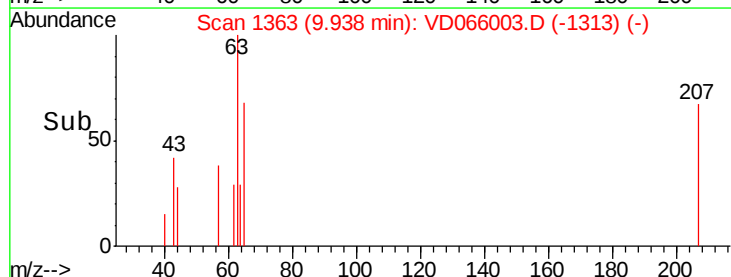
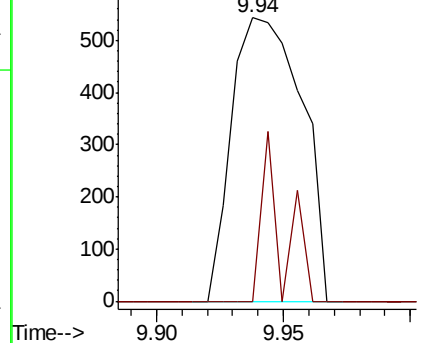
63 100

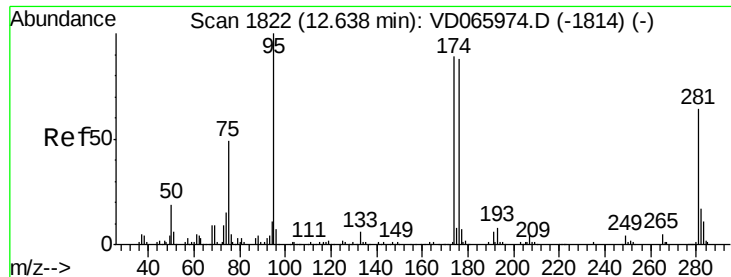
106 18.2 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

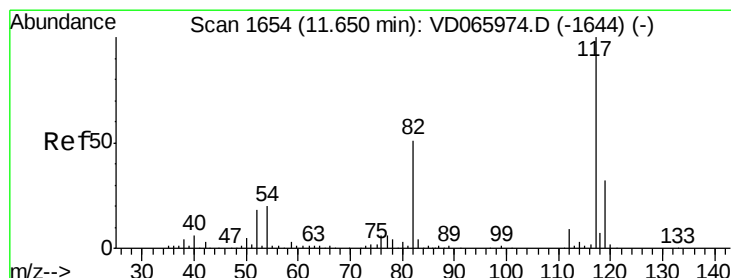
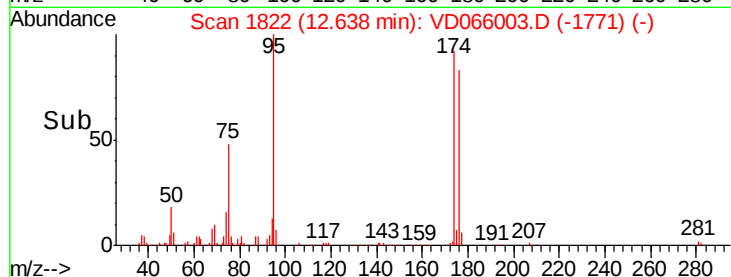
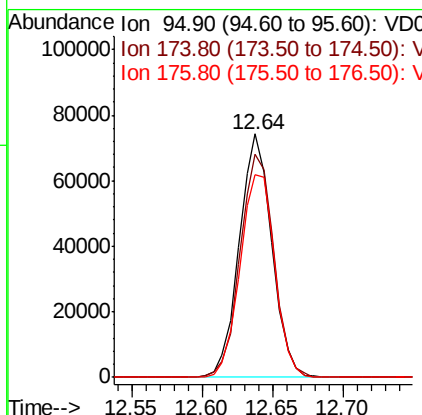
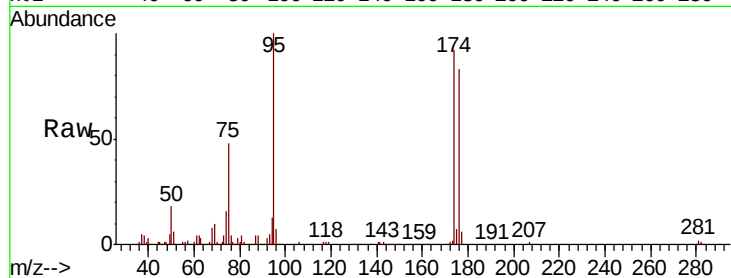




#62
4-Bromofluorobenzene
Concen: 39.934 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

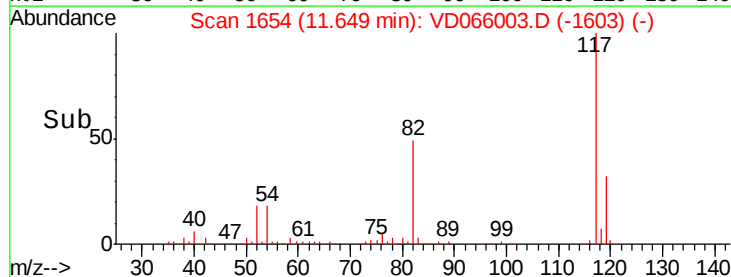
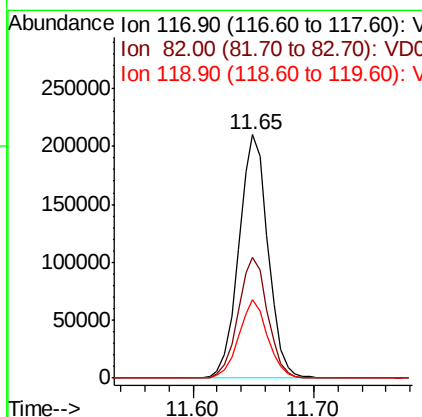
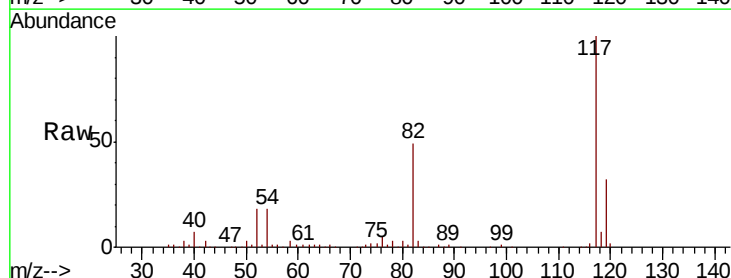
Instrument :
MSVOA_D
ClientSampleID :
SP-3

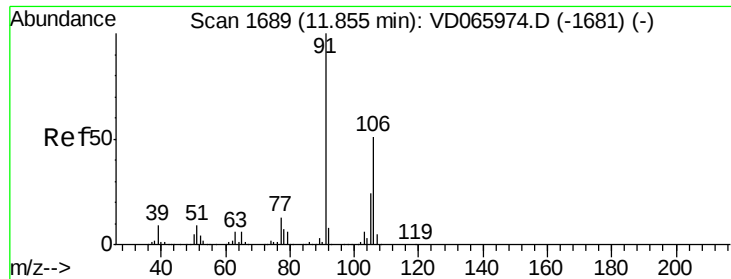
Tot Ion: 95 Resp: 119733
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.8
176 88.7 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Tgt Ion: 117 Resp: 353136
Ion Ratio Lower Upper
117 100
82 49.4 41.1 61.7
119 32.2 25.9 38.9

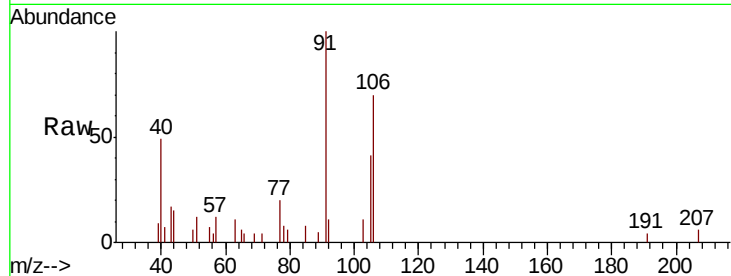




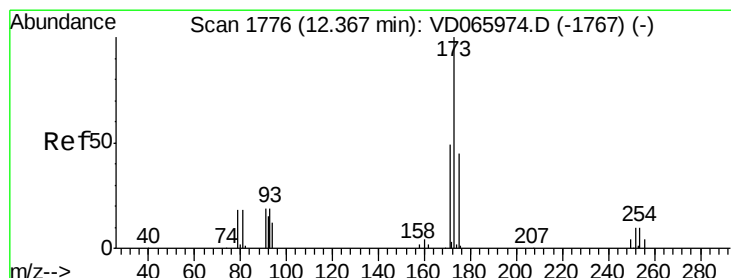
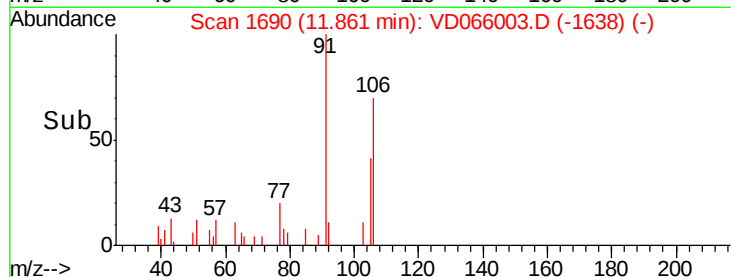
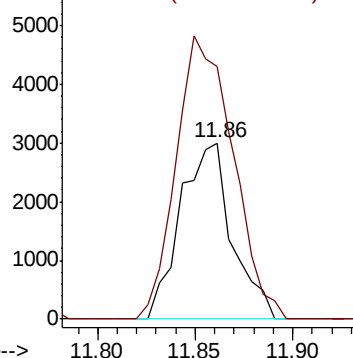
#68
m/p-Xvlenes
Concen: 1.284 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Instrument :
MSVOA_D
ClientSampled :
SP-3

Tot Ion:106 Resp: 5490
Ion Ratio Lower Upper
106 100
91 177.0 157.0 235.6

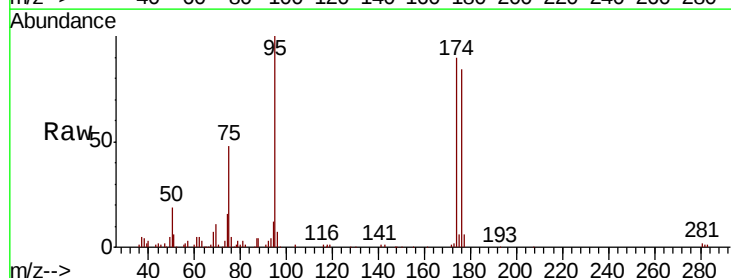


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

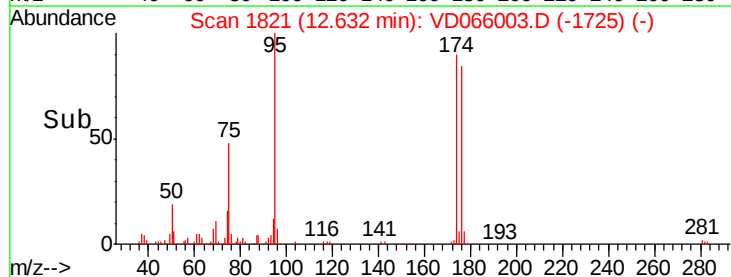
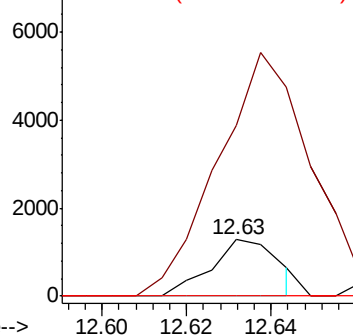


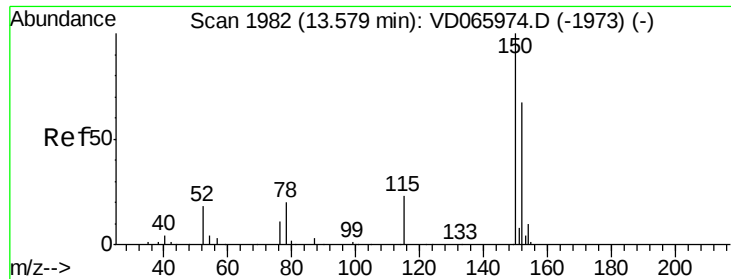
#71
Bromoform
Concen: 1.030 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Tgt Ion:173 Resp: 1440
Ion Ratio Lower Upper
173 100
175 459.1 24.1 72.3#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



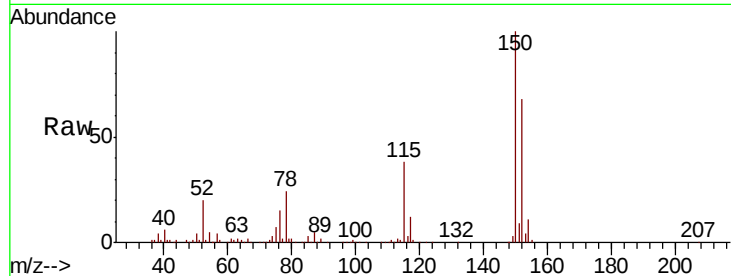


#72

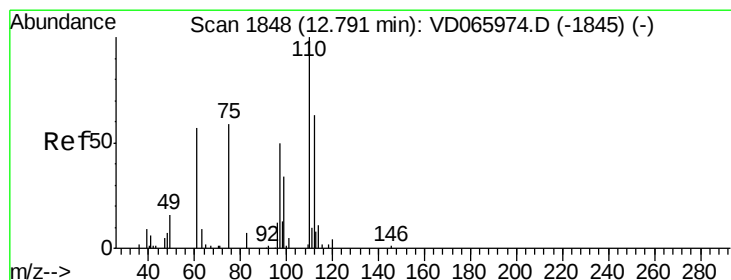
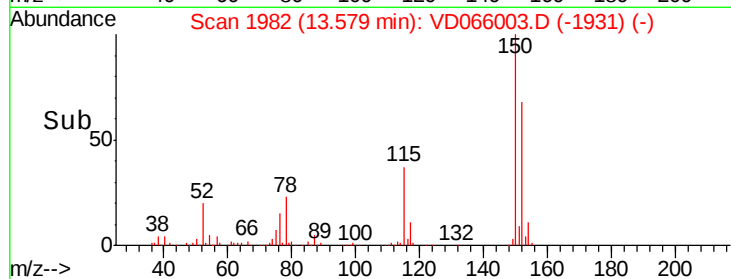
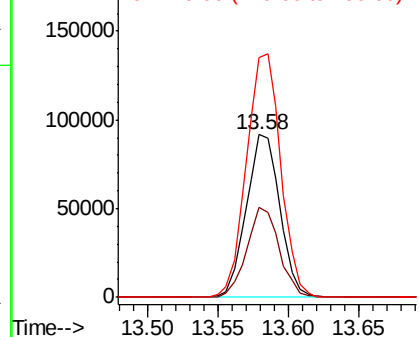
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Instrument :
MSVOA_D
ClientSampleId :
SP-3

Tot Ion:152 Resp: 152780
Ion Ratio Lower Upper
152 100
115 53.6 27.9 83.7
150 152.9 0.0 348.2



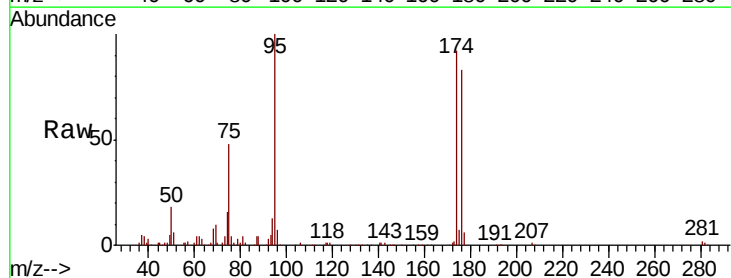
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



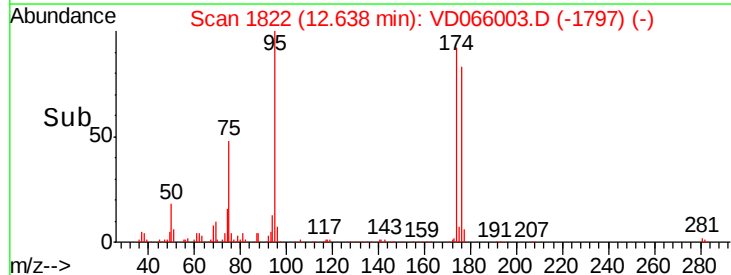
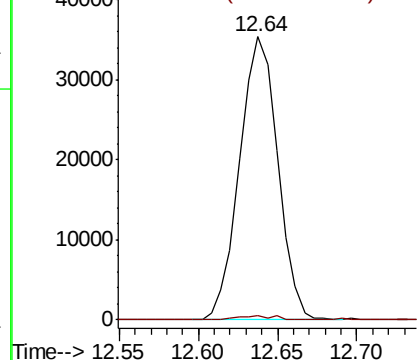
#76

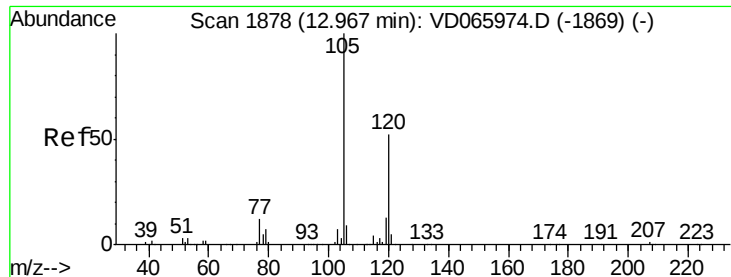
1,2,3-Trichloropropane
Concen: 51.473 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Tgt Ion: 75 Resp: 59212
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



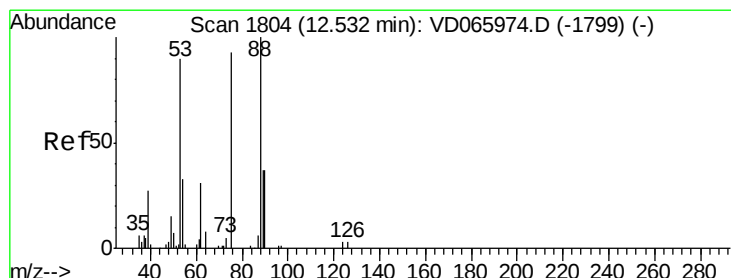
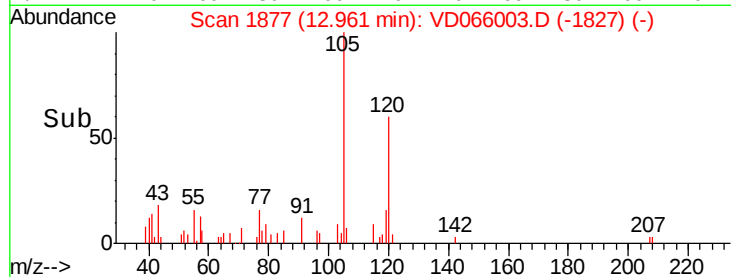
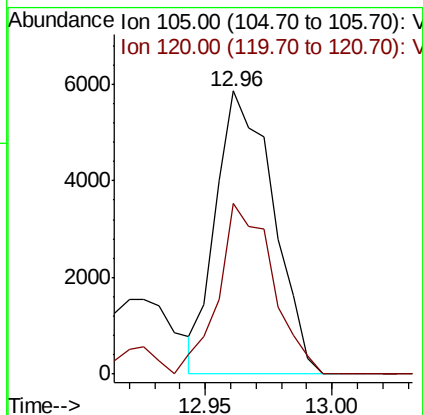
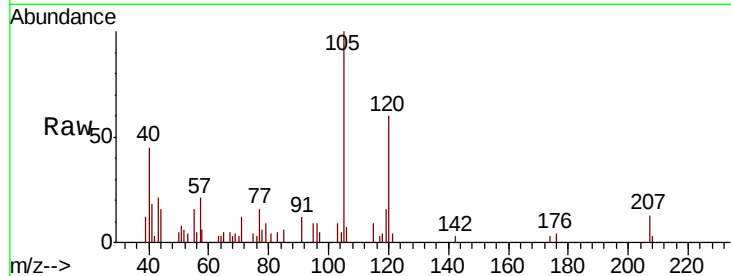


#80

1,3,5-Trimethylbenzene
Concen: 1.209 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Instrument :
MSVOA_D
ClientSampleId :
SP-3

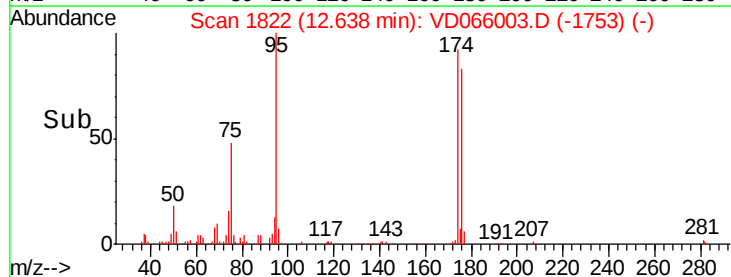
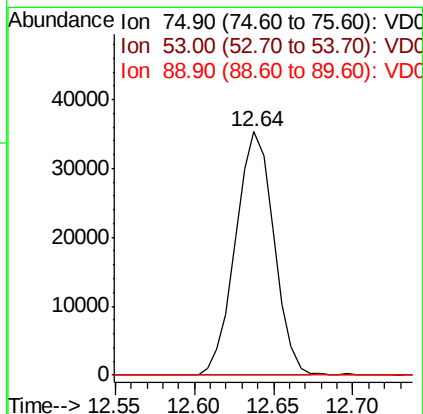
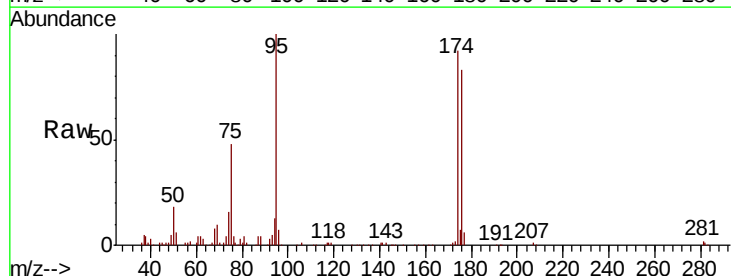
Tot Ion:105 Resp: 9186
Ion Ratio Lower Upper
105 100
120 57.3 25.6 76.6

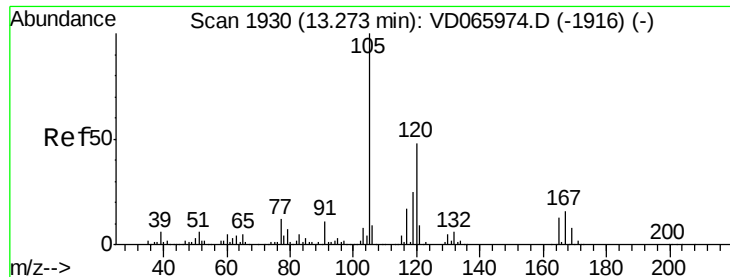


#81

trans-1,4-Dichloro-2-butene
Concen: 118.112 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD066003.D
Acq: 22 Jul 2020 15:54

Tgt Ion: 75 Resp: 59212
Ion Ratio Lower Upper
75 100
53 0.0 76.8 115.2#
89 0.0 37.0 55.4#

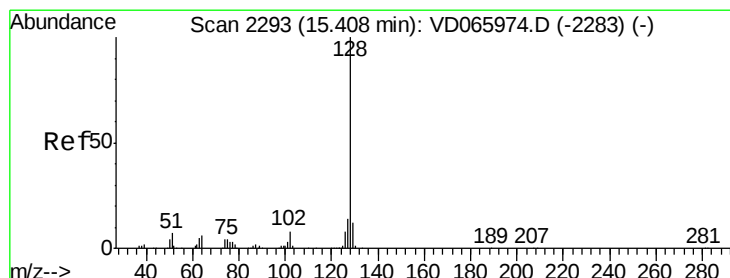
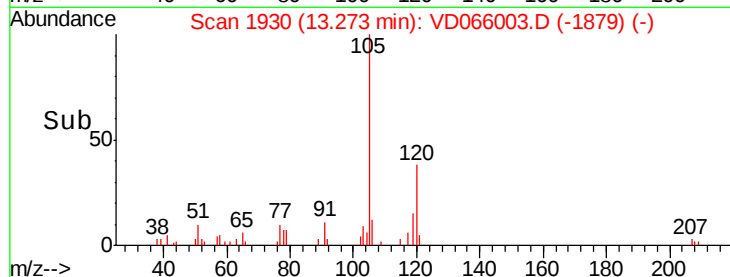
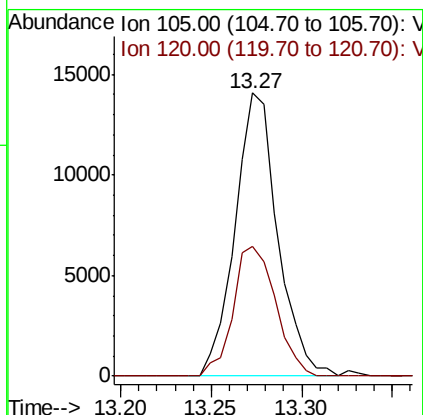
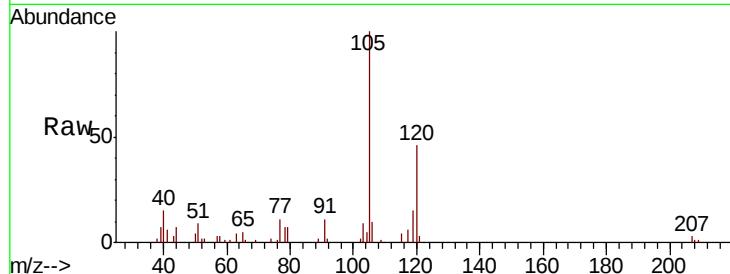




#84
 1,2,4-Trimethylbenzene
 Concen: 3.072 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066003.D
 Acq: 22 Jul 2020 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Tot Ion:105 Resp: 23023
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.9 71.8



#95
 Naphthalene
 Concen: 5.949 ug/l
 RT: 15.40 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: VD066003.D
 Acq: 22 Jul 2020 15:54

Tgt Ion:128 Resp: 12543
 Ion Ratio Lower Upper
 128 100
 127 16.7 10.8 16.2#
 129 13.1 8.9 13.3

