

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066006.D
 Acq On : 22 Jul 2020 17:16
 Operator : VA/SY
 Sample : L3186-06
 Misc : 7.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072120

Quant Time: Jul 23 01:05:44 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	314676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	580797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312635	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	146866	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	
35) Dibromofluoromethane	7.91	113	174192	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	10.34	98	680595	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
62) 4-Bromofluorobenzene	12.64	95	275893	63.25	ug/l	0.00
Spiked Amount			Recovery	=	126.50%	

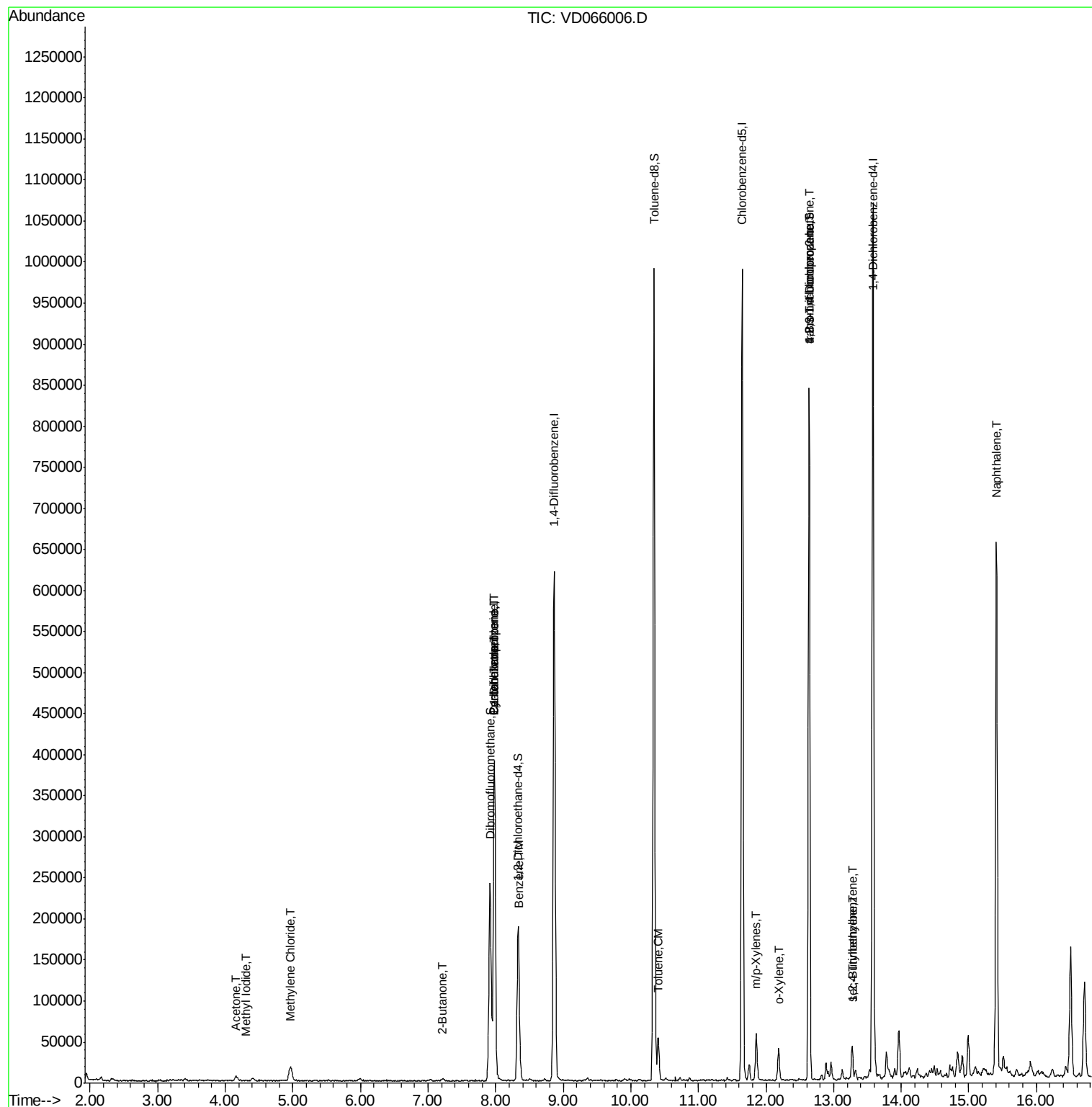
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	78	Below Cal	#	4
10) Methyl Iodide	4.31	142	123	8.849	ug/l #	42
16) Acetone	4.16	43	10040	19.372	ug/l #	84
20) Methylene Chloride	4.97	84	13463	1.842	ug/l	92
25) 2-Butanone	7.21	43	2739	3.983	ug/l #	76
31) Cyclohexane	7.98	56	6070	1.318	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	19468	4.097	ug/l #	48
38) Carbon Tetrachloride	7.98	117	29371	5.697	ug/l #	18
40) Benzene	8.35	78	13814	1.039	ug/l	93
52) Toluene	10.41	92	21801	2.515	ug/l	96
68) m/p-Xylenes	11.86	106	18491	2.629	ug/l	97
69) o-Xylene	12.18	106	9878	1.544	ug/l	92
76) 1,2,3-Trichloropropane	12.64	75	130990	55.646	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	130990	127.689	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.27	105	22765	1.485	ug/l	96
85) sec-Butylbenzene	13.27	105	22765	1.215	ug/l #	55
95) Naphthalene	15.41	128	586401	58.419	ug/l	100

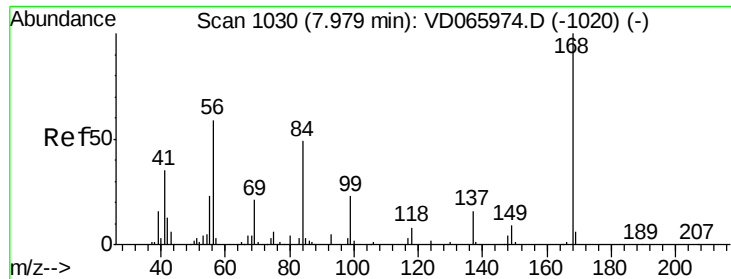
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\
Data File : VD066006.D
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Sample : L3186-06
Misc : 7.09G/5.00ml/MSVOA D/SOIL
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Quant Time: Jul 23 01:05:44 2020
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Quant Title : SW846 8260
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# 1030

Delta R.T. -0.00 min

Lab File: VD066006.D

Acq: 22 Jul 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

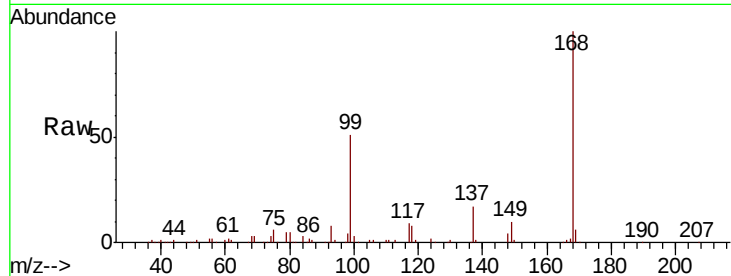
OR-03-072120

Tot Ion:168 Resp: 314676

Ion Ratio Lower Upper

168 100

99 51.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

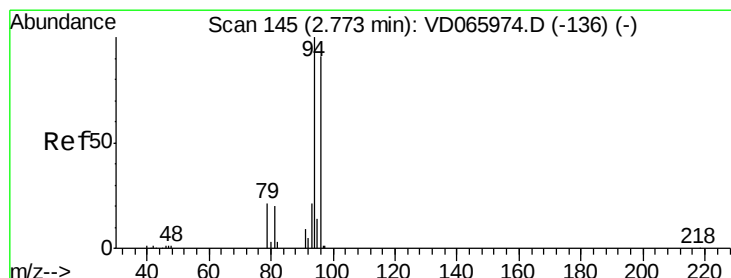
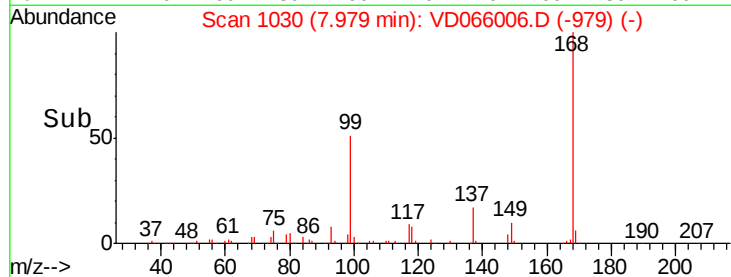
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066006.D

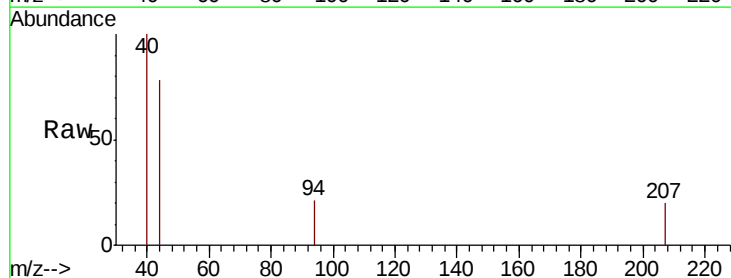
Acq: 22 Jul 2020 17:16

Tgt Ion: 94 Resp: 78

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

250

200

150

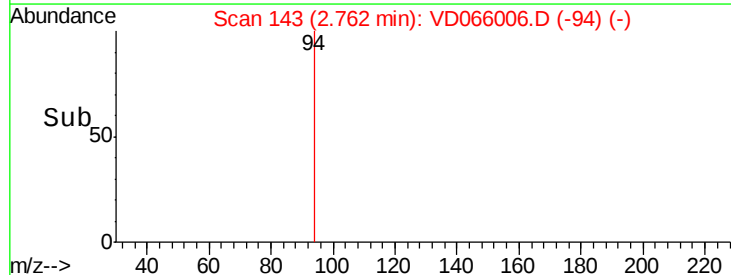
100

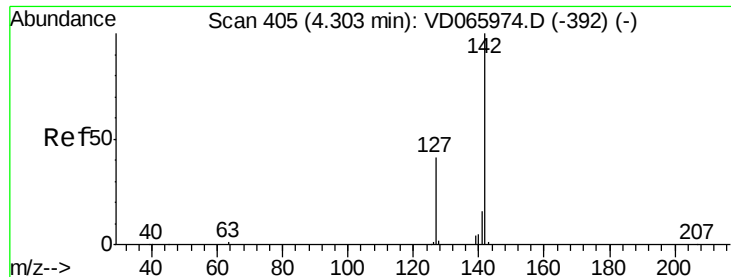
50

0

2.74 2.75 2.76 2.77 2.78

Time-->

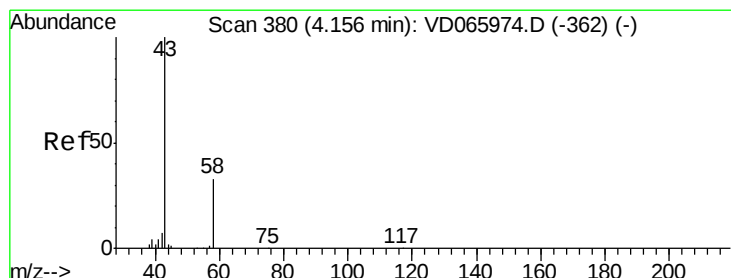
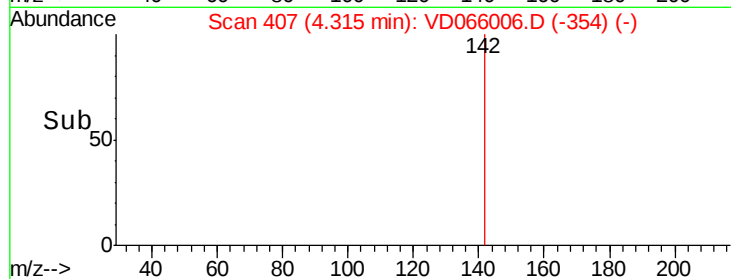
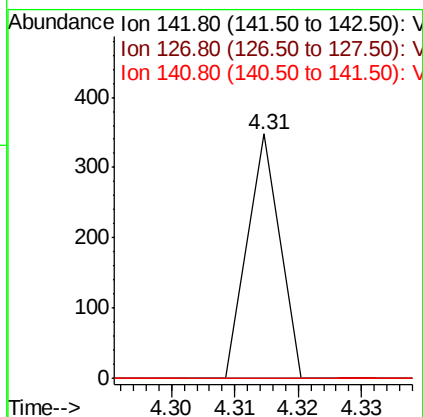
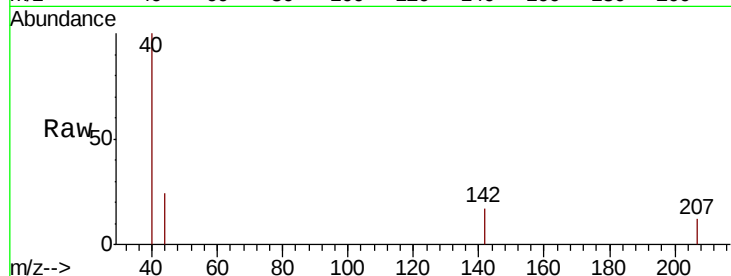




#10
Methvl Iodide
Concen: 8.849 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.01 min
Lab File: VD066006.D
Acq: 22 Jul 2020 17:16

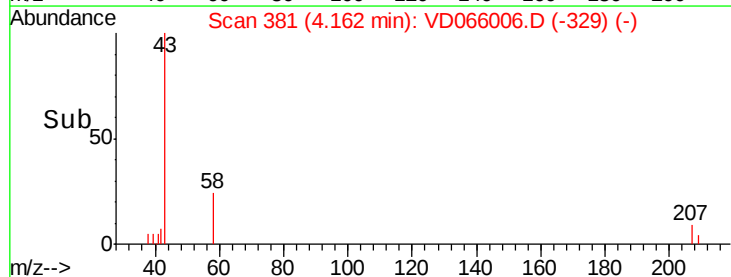
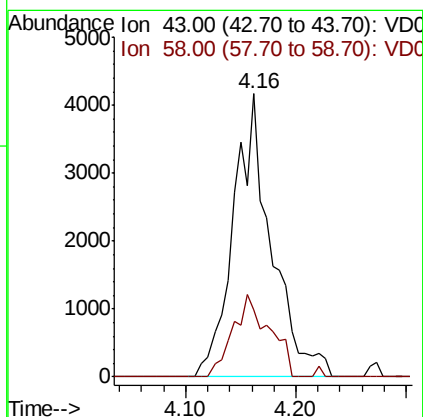
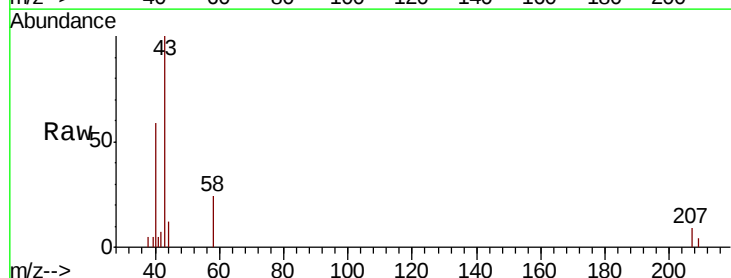
Instrument :
MSVOA_D
ClientSampleId :
OR-03-072120

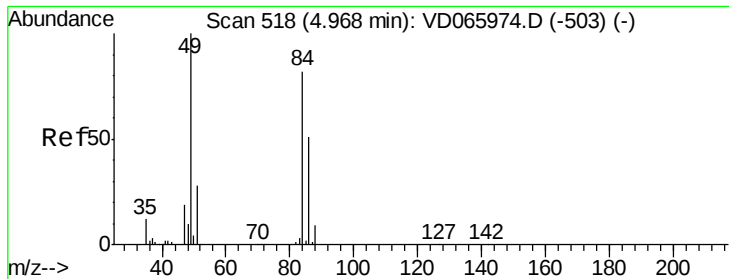
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.9	49.3#
141	0.0	11.8	17.6#



#16
Acetone
Concen: 19.372 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066006.D
Acq: 22 Jul 2020 17:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.8	26.3	39.5#





#20

Methylene Chloride

Concen: 1.842 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066006.D

Acq: 22 Jul 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

OR-03-072120

Tot Ion: 84 Resp: 13463

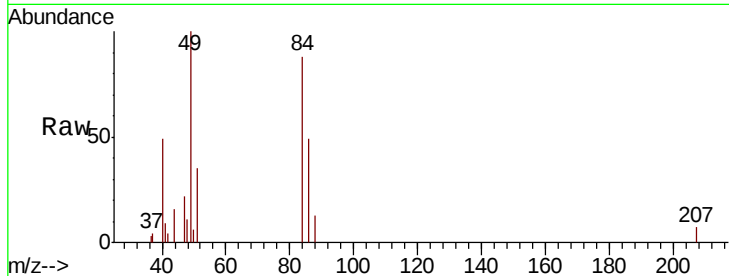
Ion Ratio Lower Upper

84 100

49 113.6 97.7 146.5

51 40.0 27.4 41.2

86 55.6 49.4 74.2

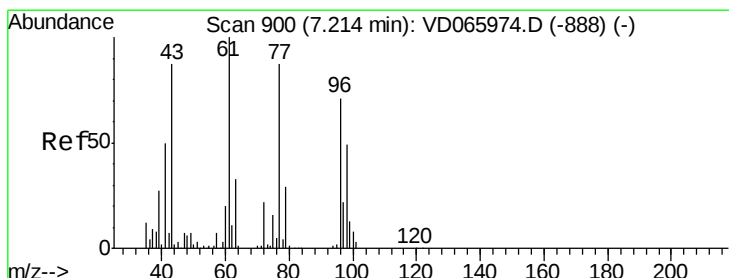
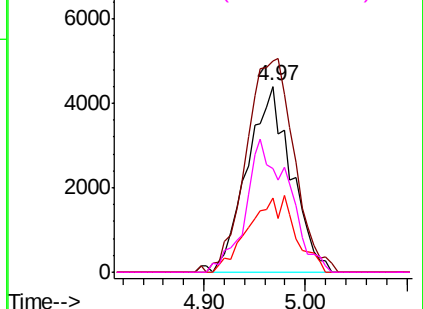
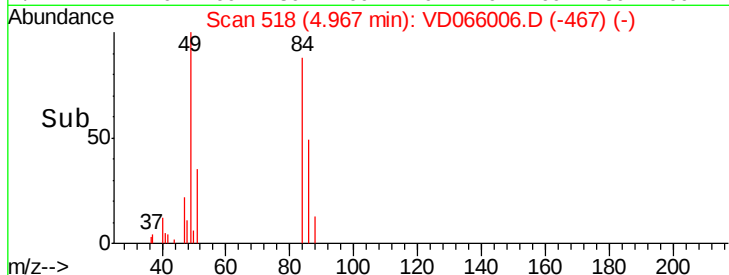


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 3.983 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066006.D

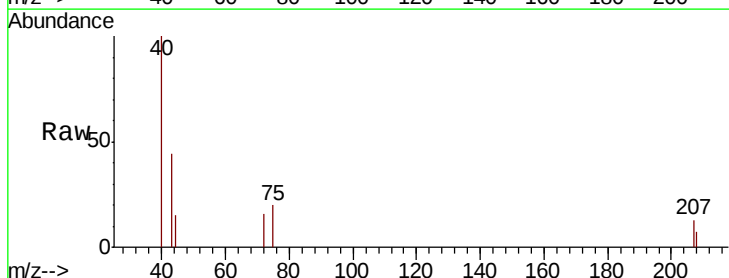
Acq: 22 Jul 2020 17:16

Tgt Ion: 43 Resp: 2739

Ion Ratio Lower Upper

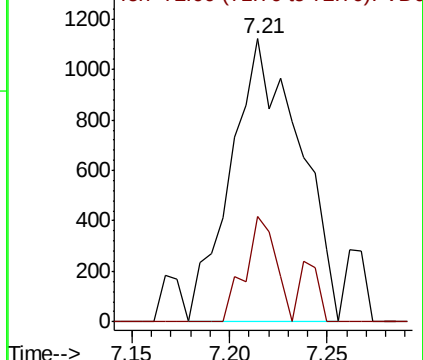
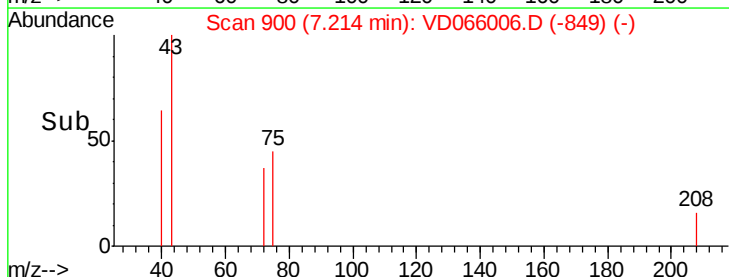
43 100

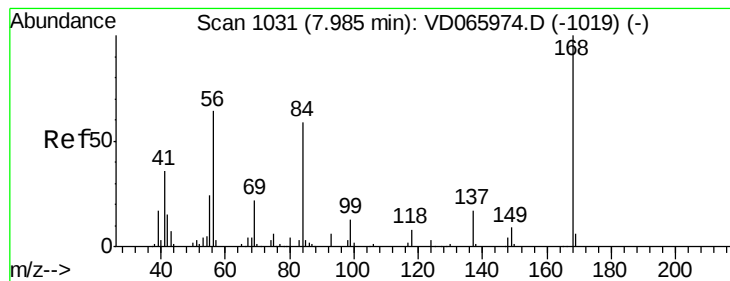
72 37.2 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066006.D

Acq: 22 Jul 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

OR-03-072120

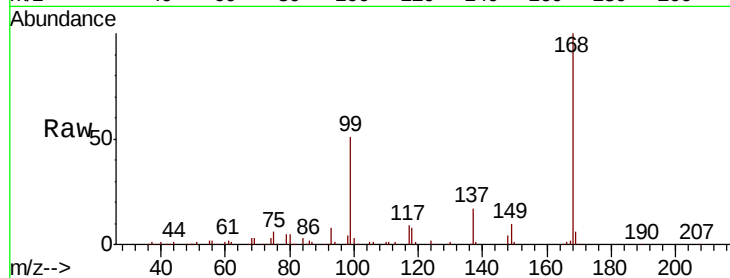
Tot Ion: 56 Resp: 6070

Ion Ratio Lower Upper

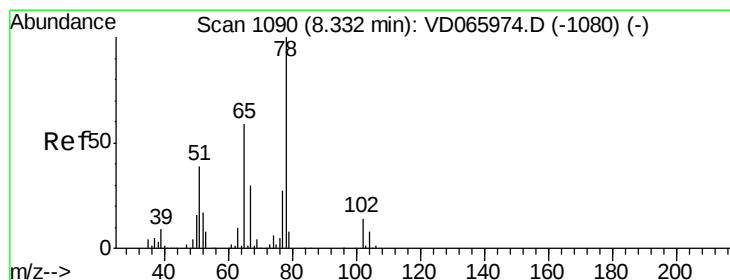
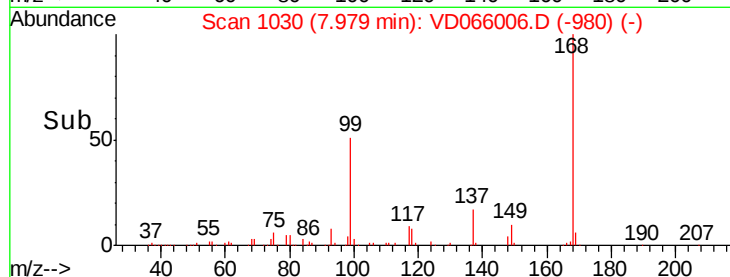
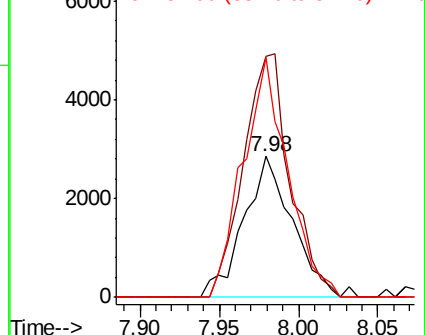
56 100

69 171.2 28.0 42.0#

84 170.3 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: 57.359 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066006.D

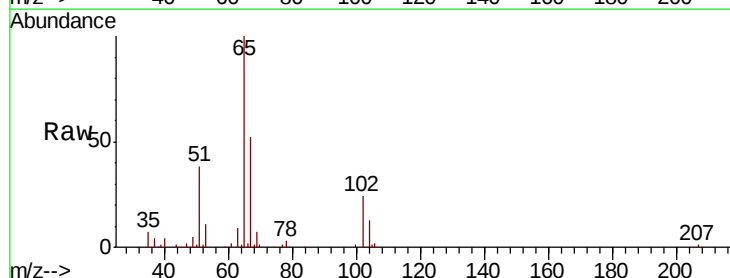
Acq: 22 Jul 2020 17:16

Tgt Ion: 65 Resp: 146866

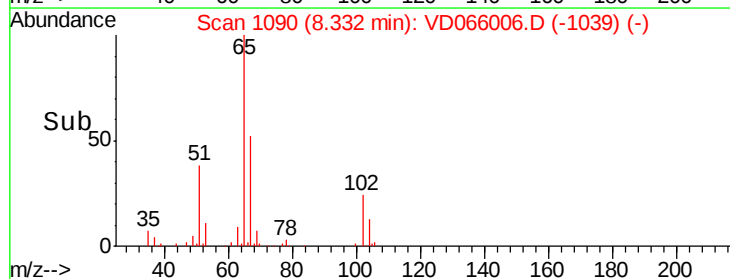
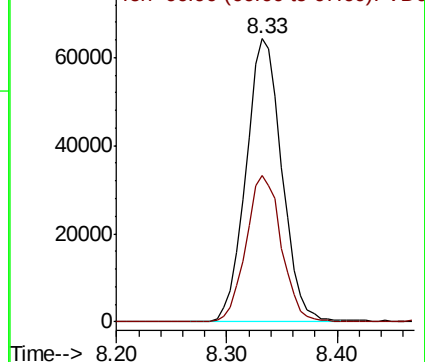
Ion Ratio Lower Upper

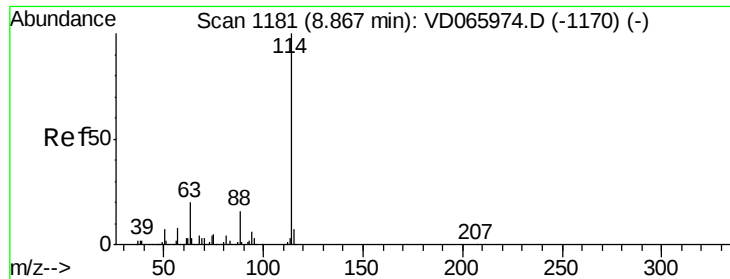
65 100

67 50.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

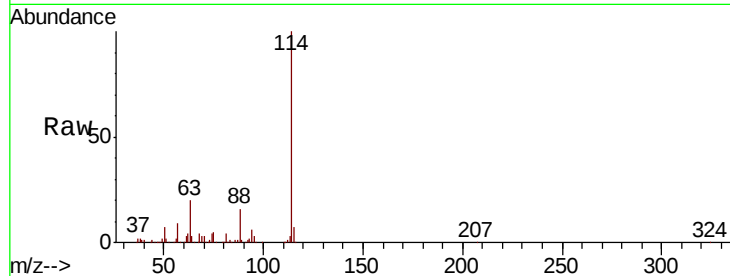




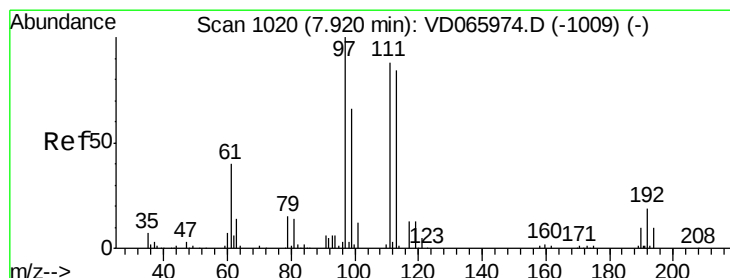
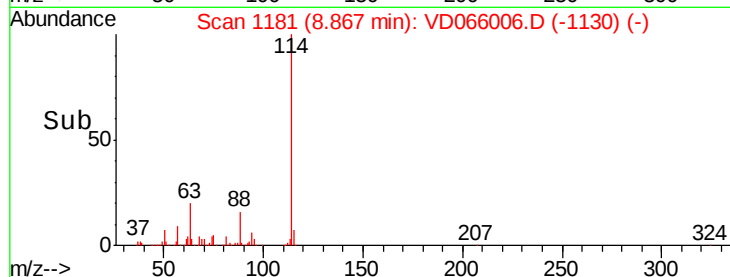
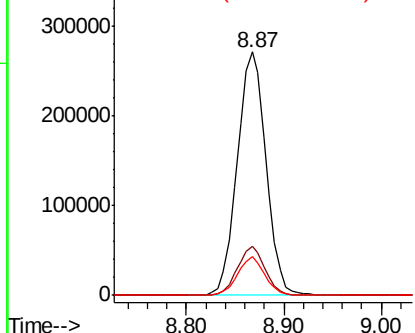
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072120

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	16.0	0.0	31.2

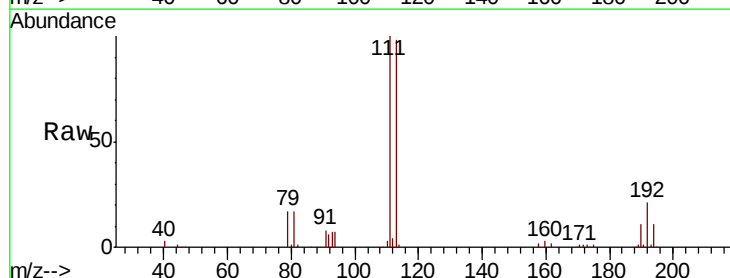


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

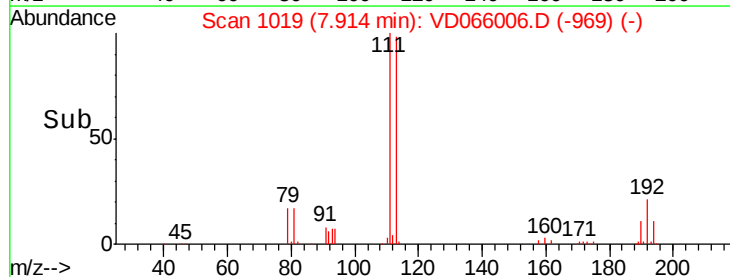
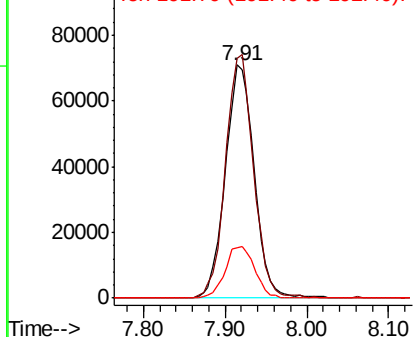


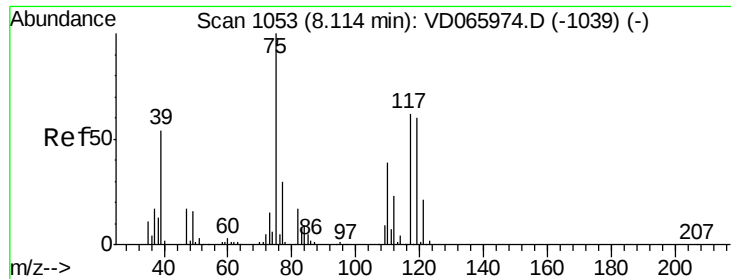
#35
 Dibromofluoromethane
 Concen: 51.587 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.2	124.8
192	22.7	18.7	28.1



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

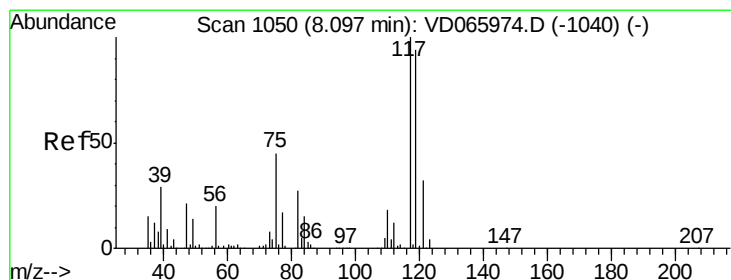
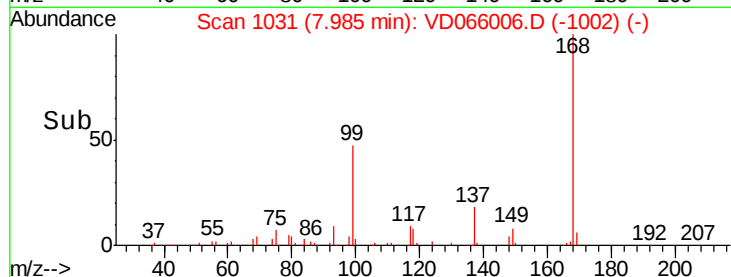
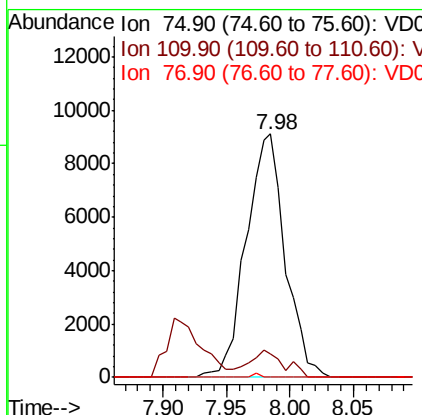
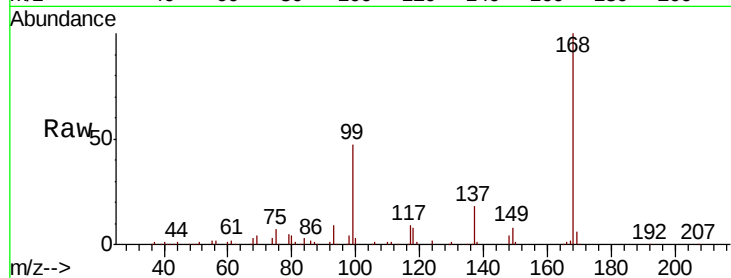




#36
 1,1-Dichloropropene
 Concen: 4.097 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

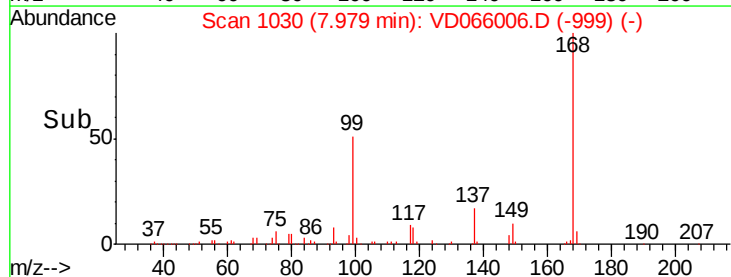
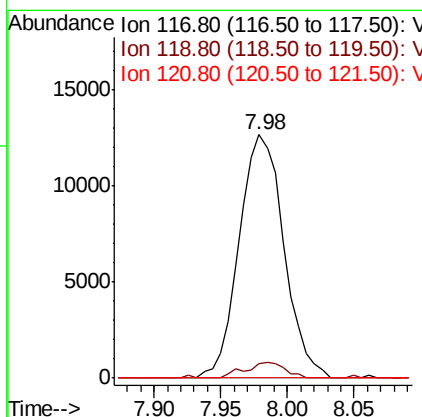
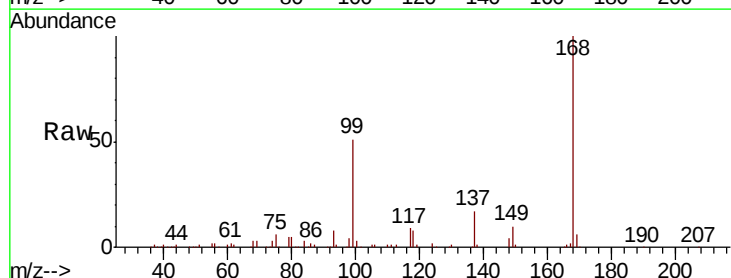
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072120

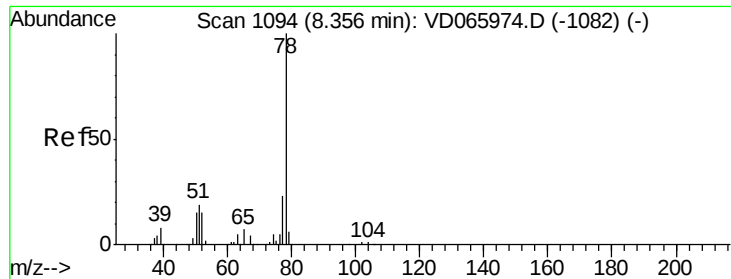
Tot Ion	75	Resp	19468
Ion Ratio	100	Lower	Upper
75	100		
110	9.8	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.697 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

Tgt Ion	117	Resp	29371
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.0	75.0	112.6#
121	0.0	25.5	38.3#





#40

Benzene

Concen: 1.039 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD066006.D

Acq: 22 Jul 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

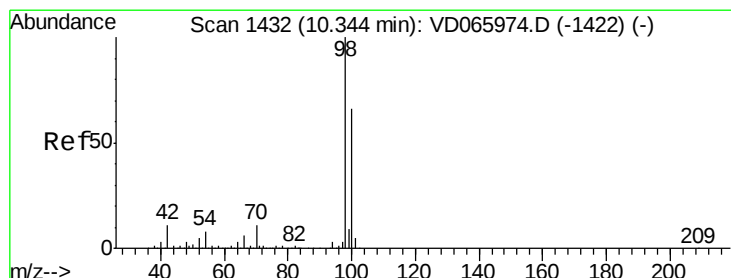
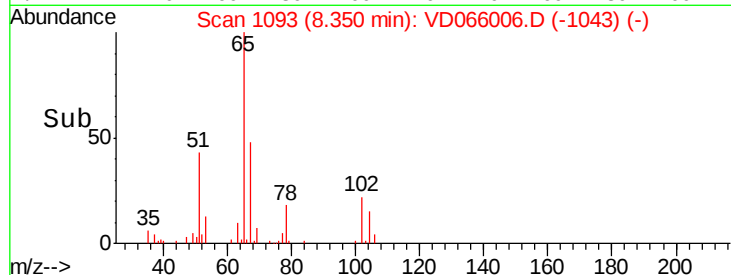
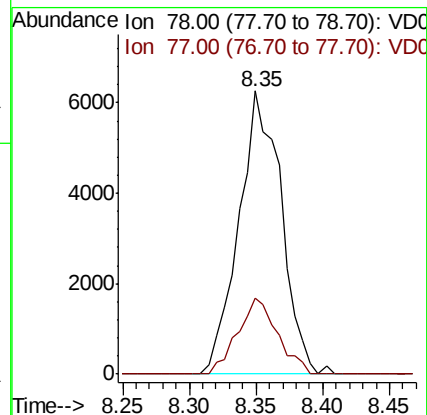
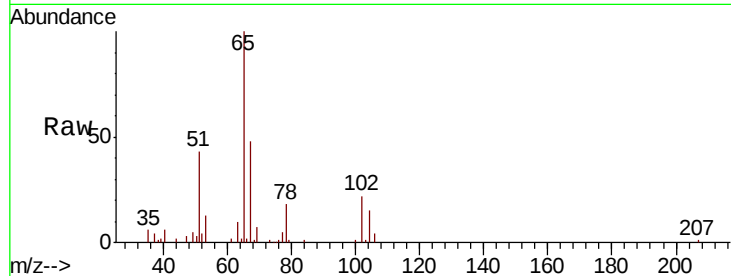
OR-03-072120

Tot Ion: 78 Resp: 13814

Ion Ratio Lower Upper

78 100

77 26.7 18.6 27.8



#50

Toluene-d8

Concen: 54.106 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066006.D

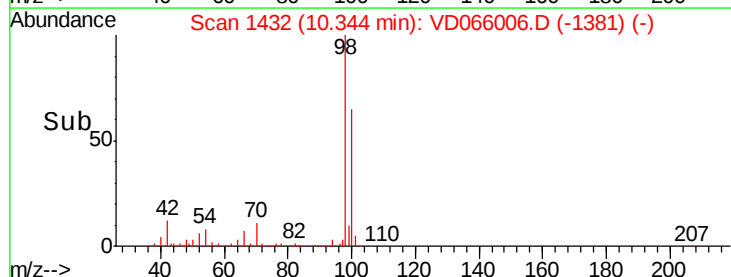
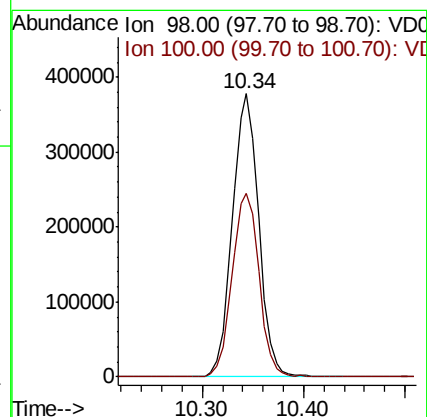
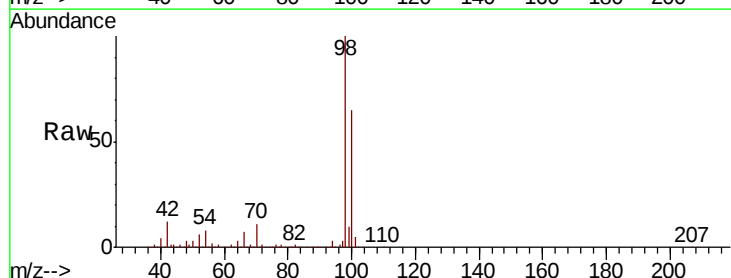
Acq: 22 Jul 2020 17:16

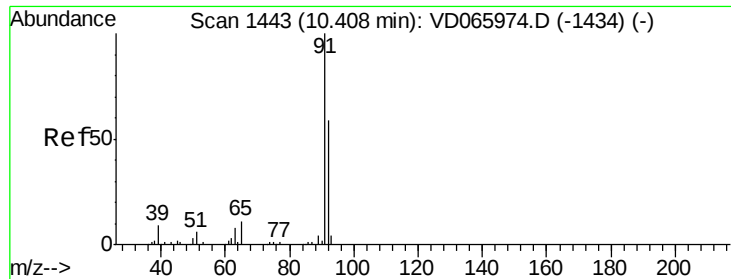
Tgt Ion: 98 Resp: 680595

Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1





#52

Toluene

Concen: 2.515 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD066006.D

Acq: 22 Jul 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

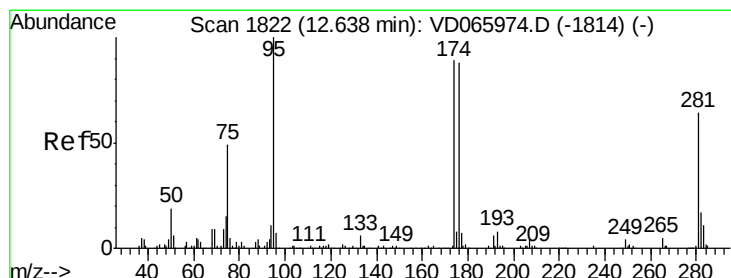
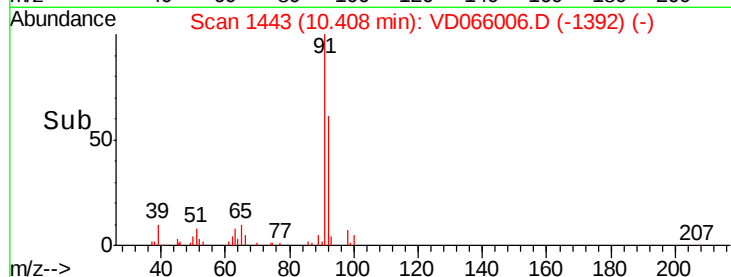
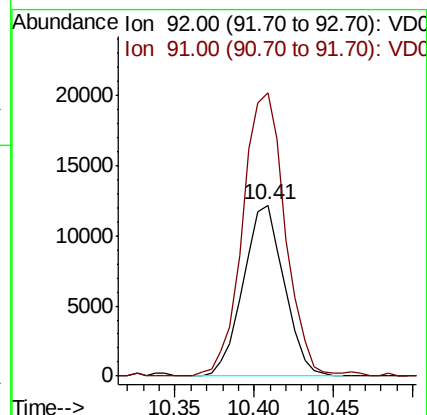
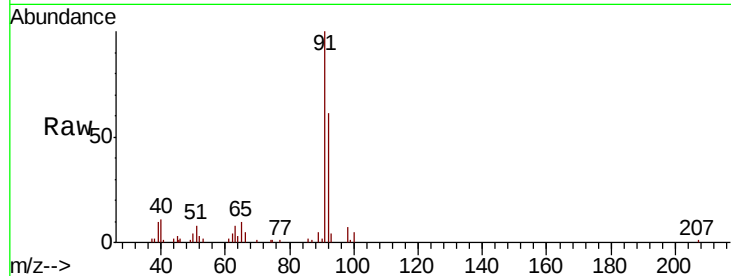
OR-03-072120

Tot Ion: 92 Resp: 21801

Ion Ratio Lower Upper

92 100

91 173.2 134.5 201.7



#62

4-Bromofluorobenzene

Concen: 63.255 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066006.D

Acq: 22 Jul 2020 17:16

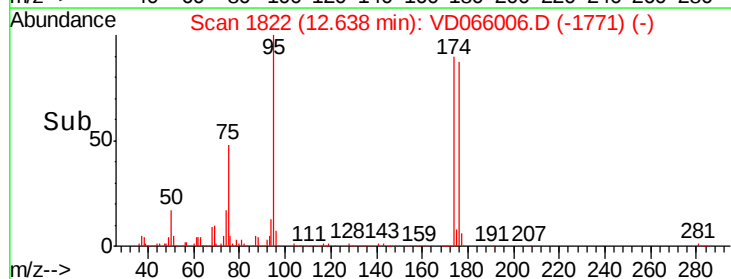
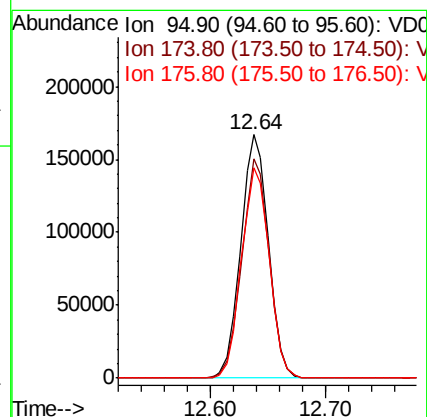
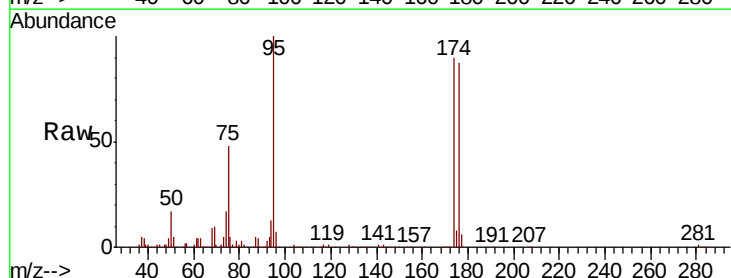
Tgt Ion: 95 Resp: 275893

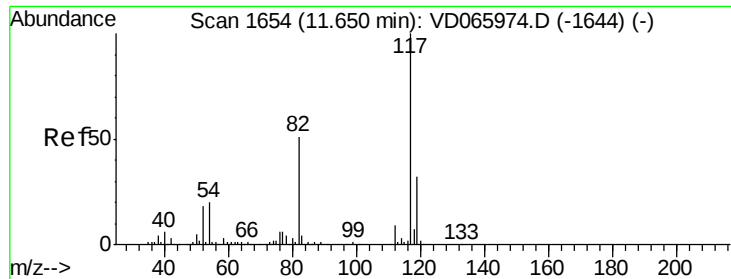
Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.8

176 87.2 0.0 172.6

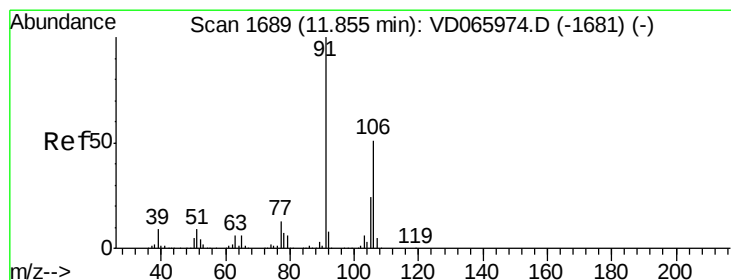
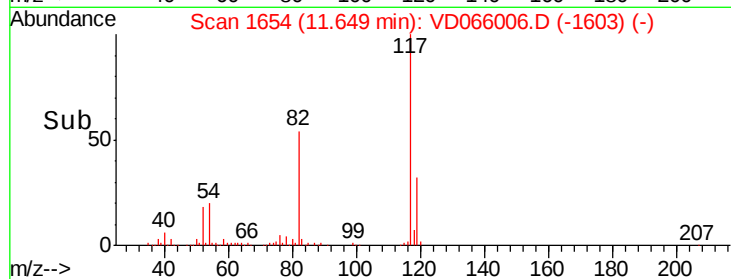
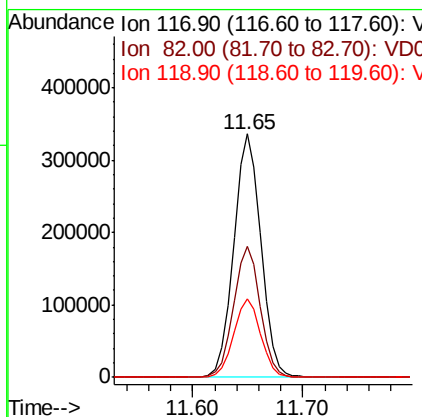
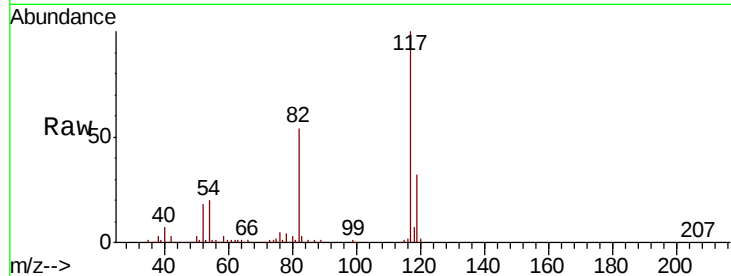




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066006.D
Acq: 22 Jul 2020 17:16

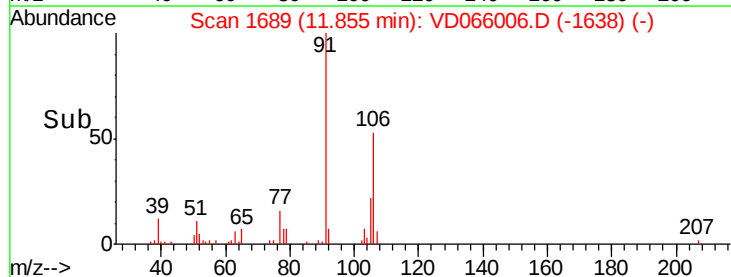
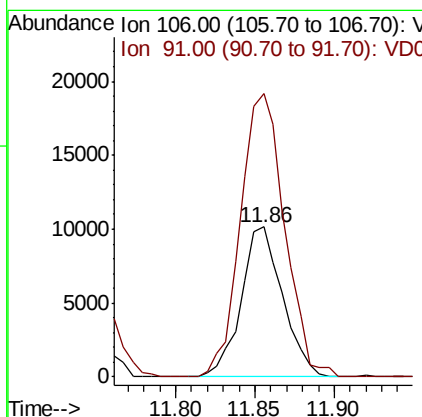
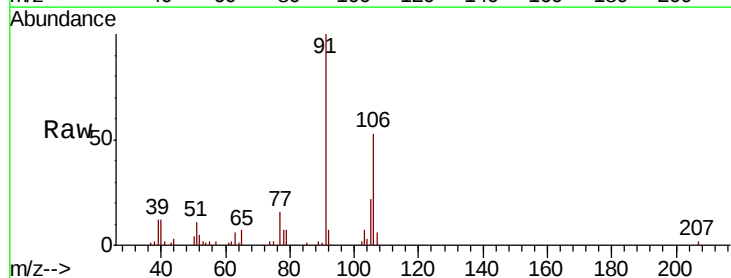
Instrument :
MSVOA_D
ClientSampleId :
OR-03-072120

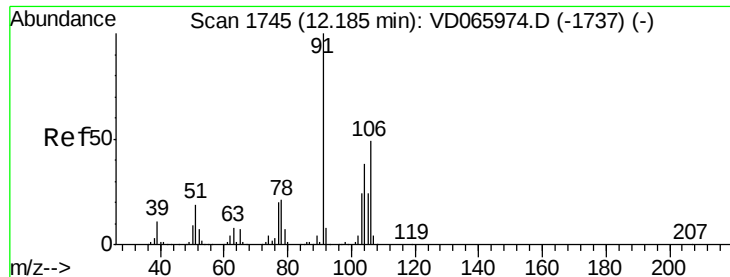
Tot Ion:117 Resp: 580797
Ion Ratio Lower Upper
117 100
82 53.8 41.1 61.7
119 32.2 25.9 38.9



#68
m/p-Xylenes
Concen: 2.629 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066006.D
Acq: 22 Jul 2020 17:16

Tgt Ion:106 Resp: 18491
Ion Ratio Lower Upper
106 100
91 200.9 157.0 235.6

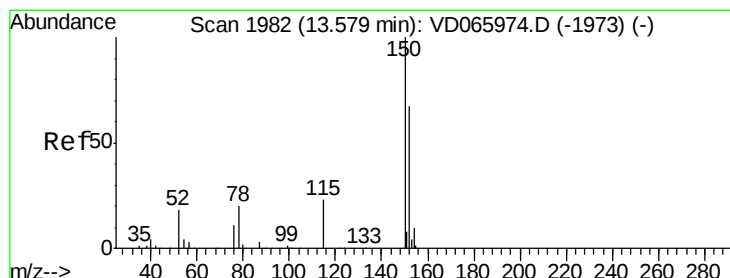
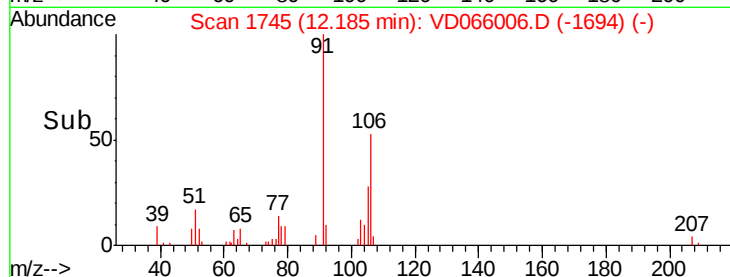
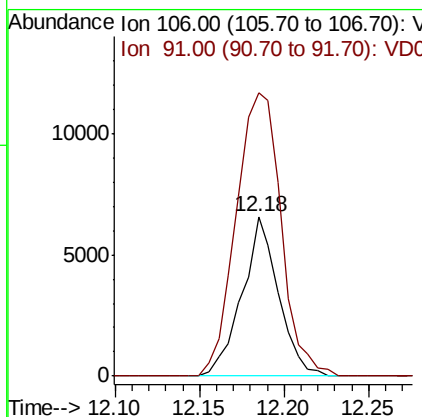
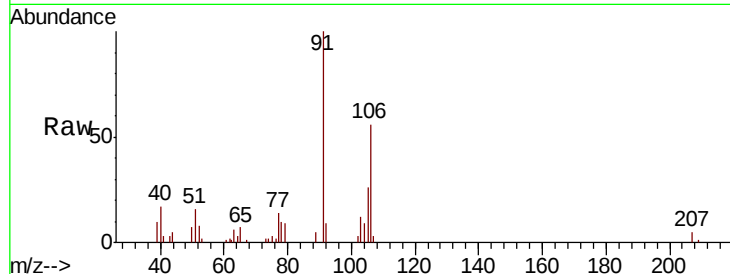




#69
o-Xylene
Concen: 1.544 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066006.D
Acq: 22 Jul 2020 17:16

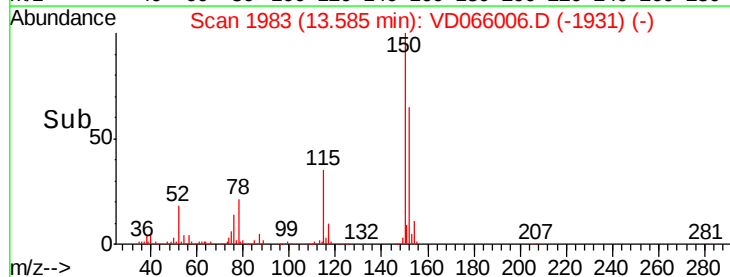
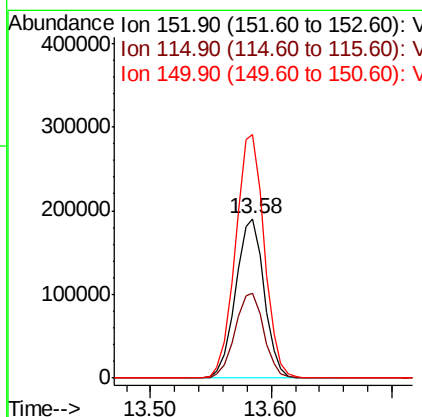
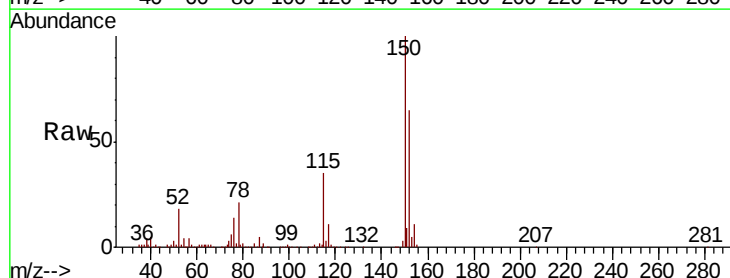
Instrument :
MSVOA_D
ClientSampleId :
OR-03-072120

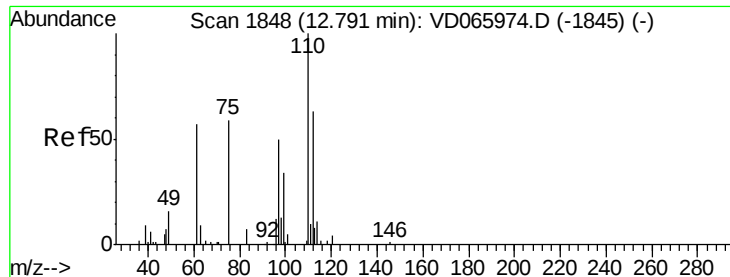
Tot Ion:106 Resp: 9878
Ion Ratio Lower Upper
106 100
91 219.2 103.1 309.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066006.D
Acq: 22 Jul 2020 17:16

Tgt Ion:152 Resp: 312635
Ion Ratio Lower Upper
152 100
115 54.3 27.9 83.7
150 154.8 0.0 348.2

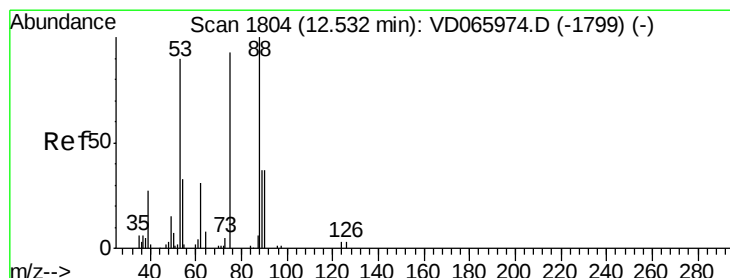
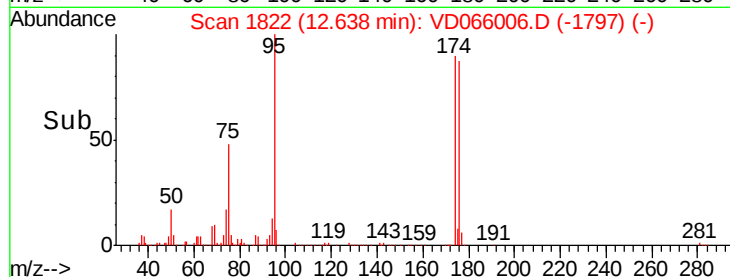
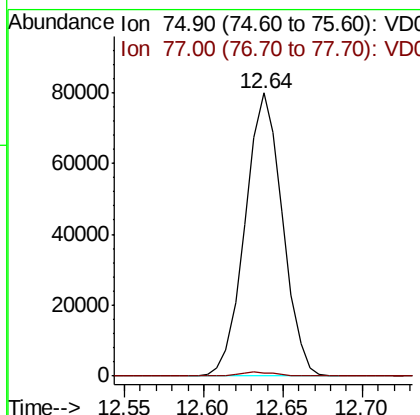
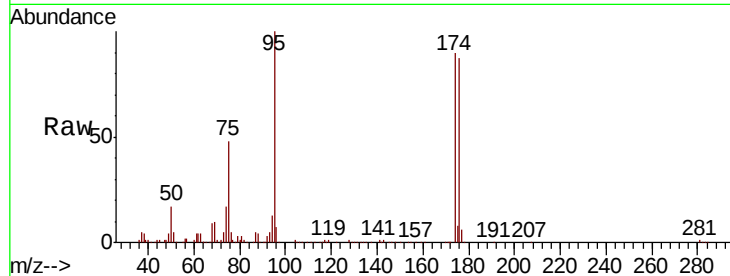




#76
 1,2,3-Trichloropropane
 Concen: 55.646 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

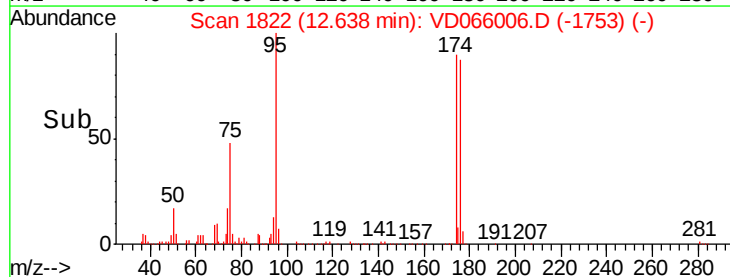
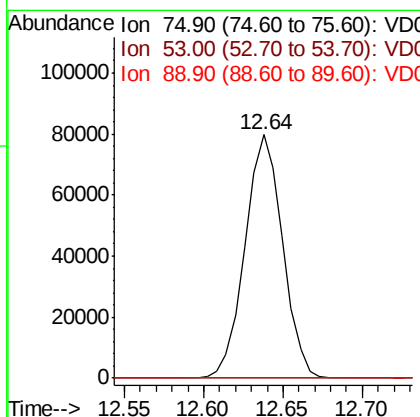
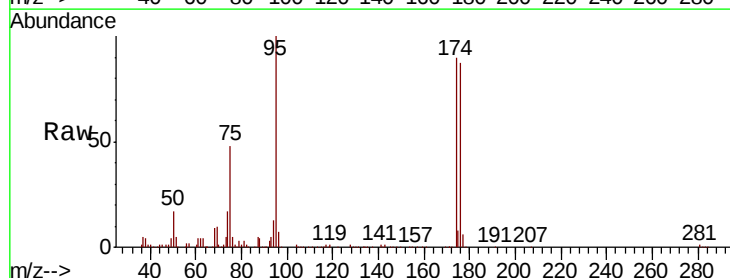
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072120

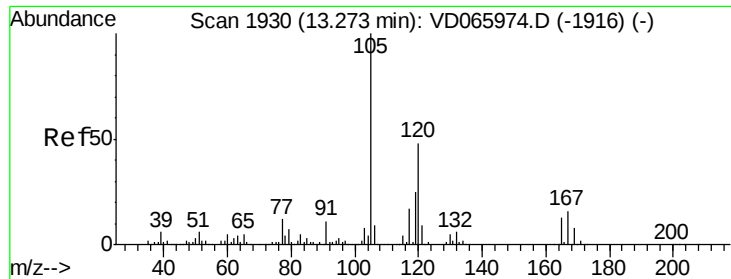
Tot Ion: 75 Resp: 130990
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.689 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

Tgt Ion: 75 Resp: 130990
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.3 37.0 55.4#

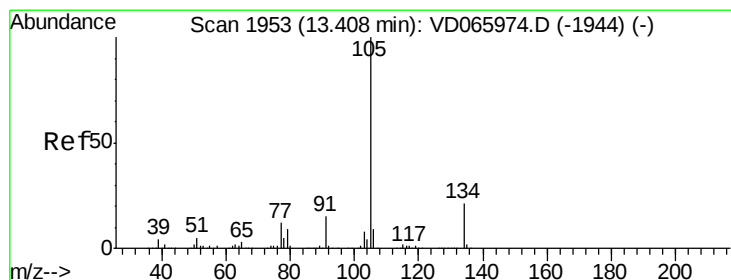
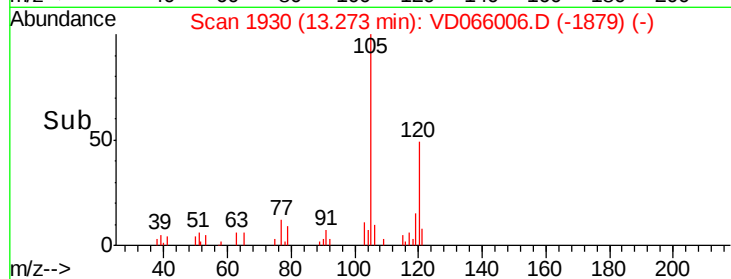
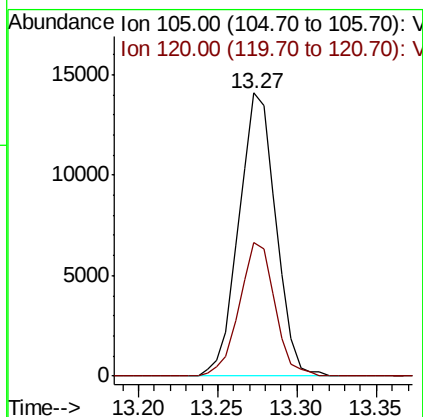
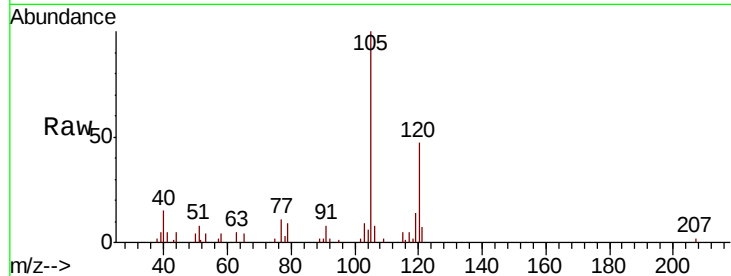




#84
 1,2,4-Trimethylbenzene
 Concen: 1.485 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

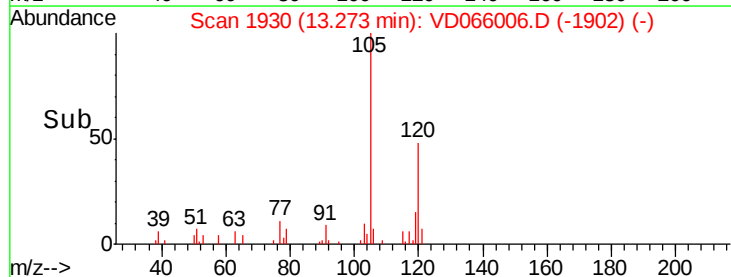
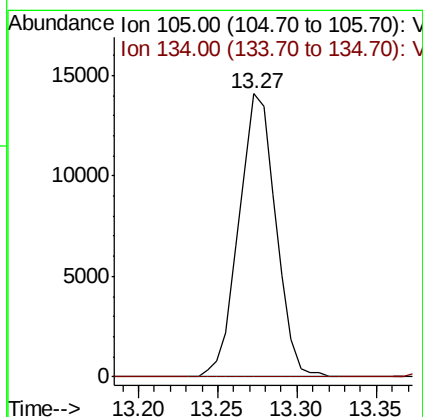
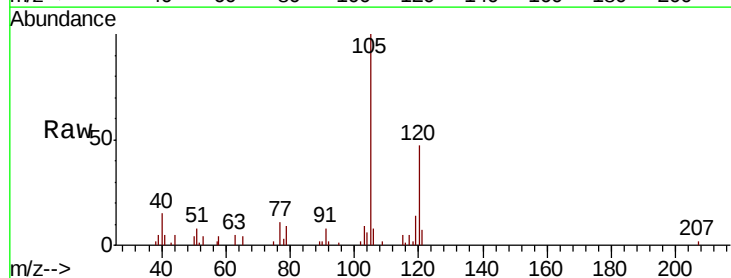
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072120

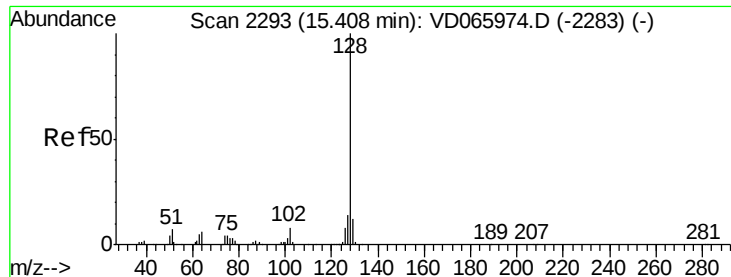
Tot Ion:105 Resp: 22765
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.9 71.8



#85
 sec-Butylbenzene
 Concen: 1.215 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.14 min
 Lab File: VD066006.D
 Acq: 22 Jul 2020 17:16

Tgt Ion:105 Resp: 22765
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#

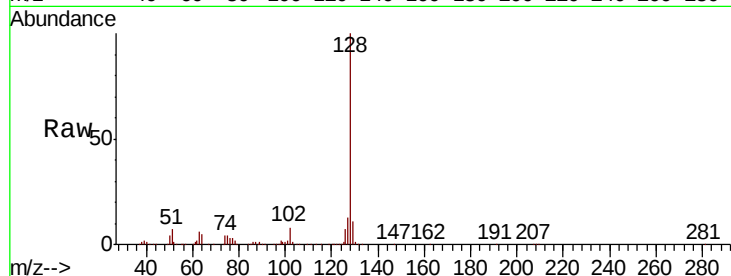




#95
Naphthalene
Concen: 58.419 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066006.D
Acq: 22 Jul 2020 17:16

Instrument :
MSVOA_D
ClientSampleId :
OR-03-072120

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.1	8.9	13.3



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

