

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067077.D
 Acq On : 05 Oct 2020 12:19
 Operator : VA/SY
 Sample : L4230-05
 Misc : 6.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2392

Quant Time: Oct 06 07:16:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	263887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	448174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	438281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206906	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	152728	60.09	ug/l	0.00
Spiked Amount			Recovery	=	120.18%	
35) Dibromofluoromethane	7.91	113	147331	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	10.34	98	535642	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.64	95	199078	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	

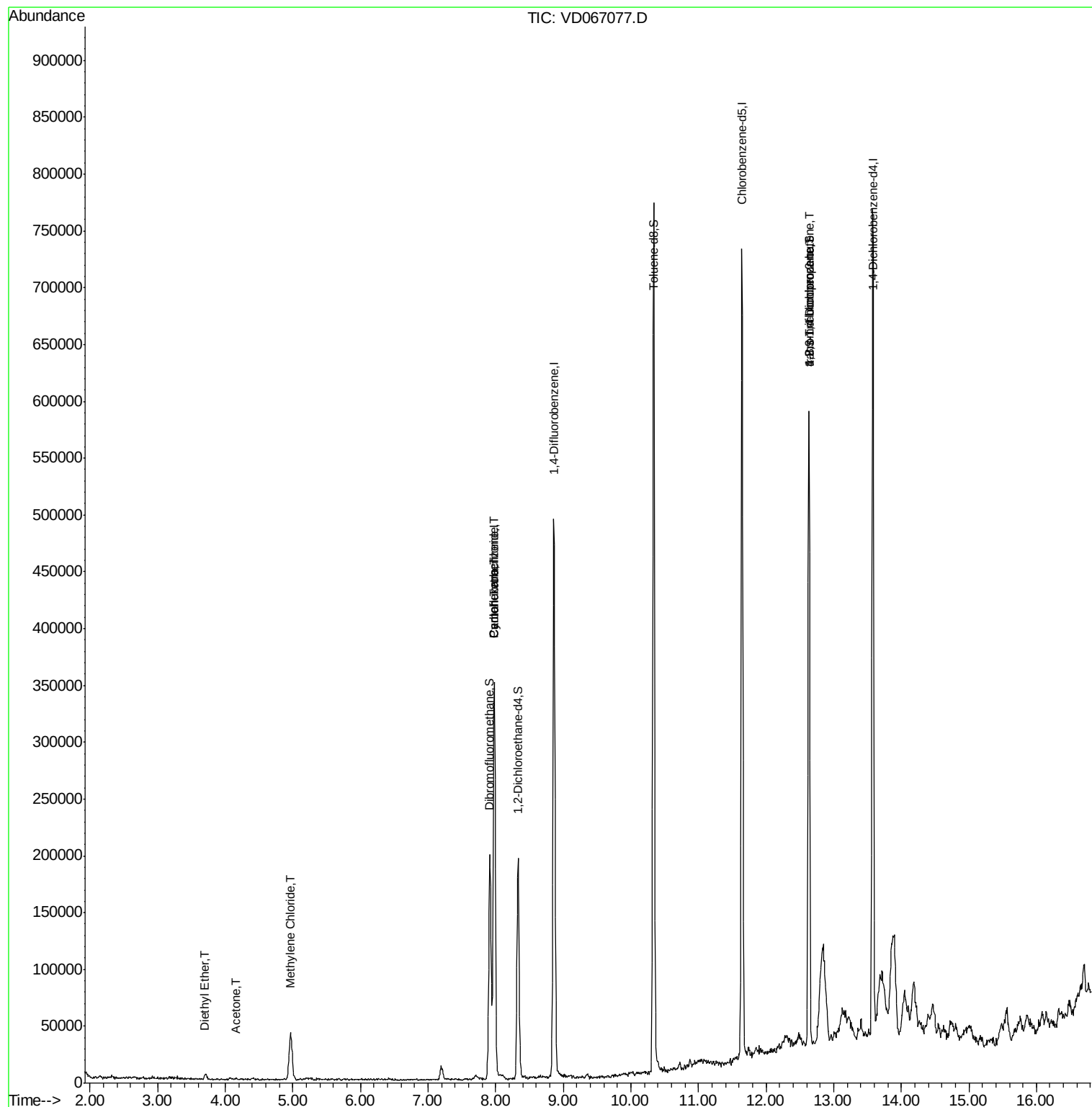
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	742	Below Cal	#	40
5) Bromomethane	2.77	94	702	Below Cal		85
8) Diethyl Ether	3.69	74	2134	1.838	ug/l	89
11) Tert butyl alcohol	5.20	59	547	Below Cal	#	72
16) Acetone	4.16	43	1668	4.299	ug/l #	42
20) Methylene Chloride	4.97	84	35059	6.388	ug/l	93
26) 2,2-Dichloropropane	7.20	77	1702	Below Cal	#	60
31) Cyclohexane	7.98	56	6345	1.662	ug/l #	20
38) Carbon Tetrachloride	7.98	117	26487	5.860	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	96076	53.310	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	96076	132.908	ug/l #	12

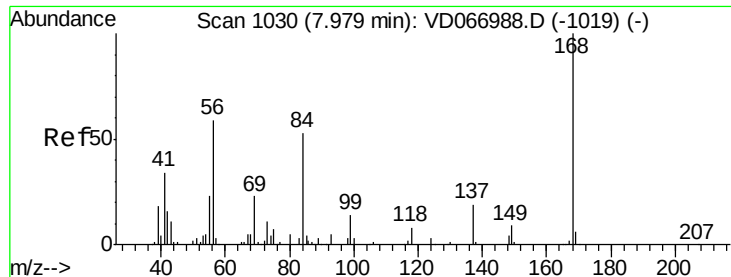
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
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Quant Time: Oct 06 07:16:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 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: VD067077.D

Acq: 05 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

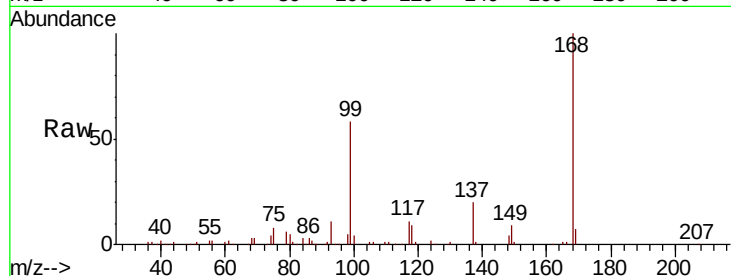
2392

Tot Ion:168 Resp: 263887

Ion Ratio Lower Upper

168 100

99 58.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

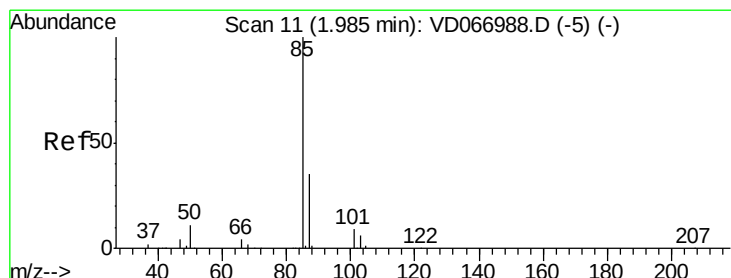
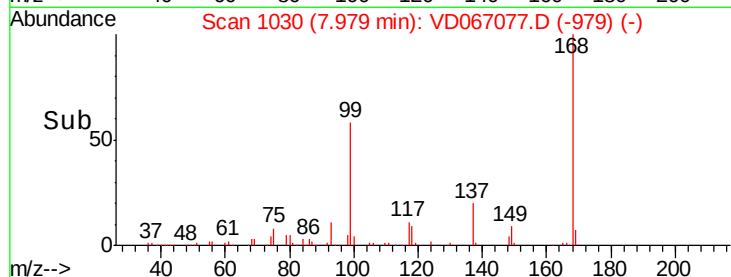
100000

50000

0

Time-->

7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067077.D

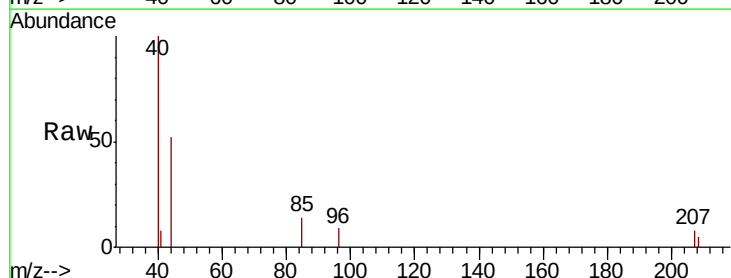
Acq: 05 Oct 2020 12:19

Tgt Ion: 85 Resp: 742

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

500

400

300

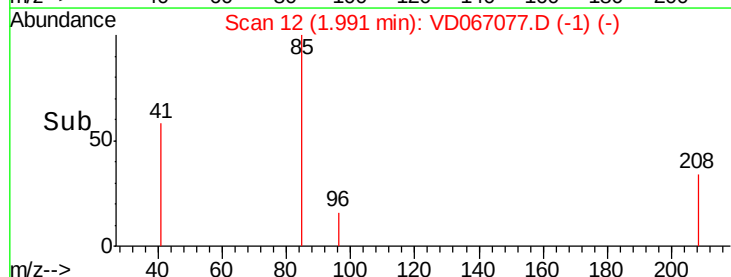
200

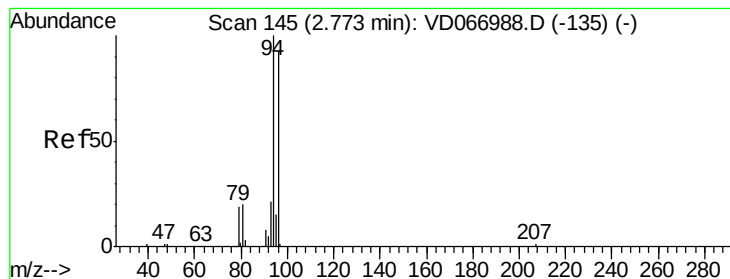
100

0

Time-->

1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067077.D

Acq: 05 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampled :

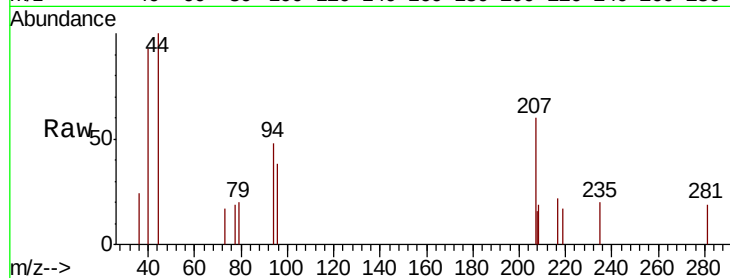
2392

Tot Ion: 94 Resp: 702

Ion Ratio Lower Upper

94 100

96 79.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

400

300

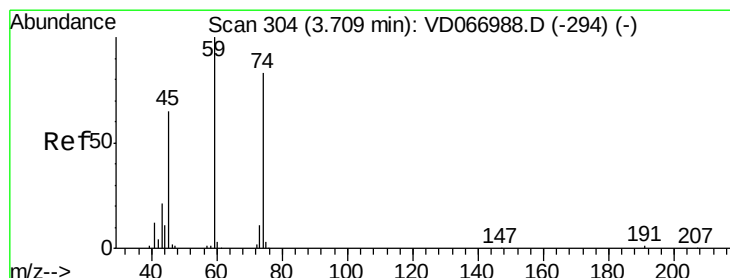
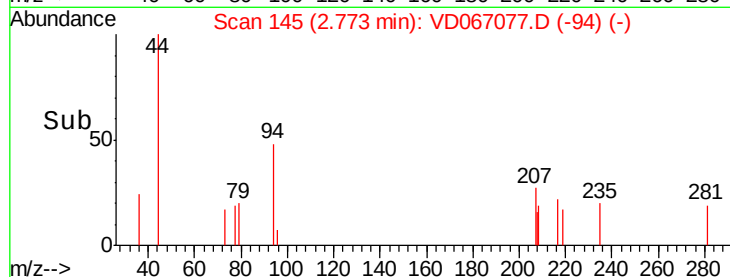
200

100

0

2.74 2.76 2.78 2.80 2.82

Time-->



#8

Diethyl Ether

Concen: 1.838 ug/l

RT: 3.69 min Scan# 301

Delta R.T. -0.02 min

Lab File: VD067077.D

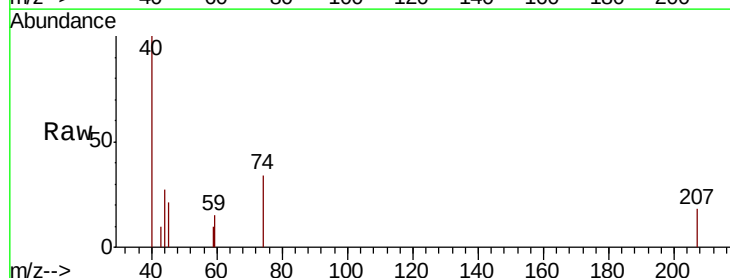
Acq: 05 Oct 2020 12:19

Tgt Ion: 74 Resp: 2134

Ion Ratio Lower Upper

74 100

45 96.6 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

1500

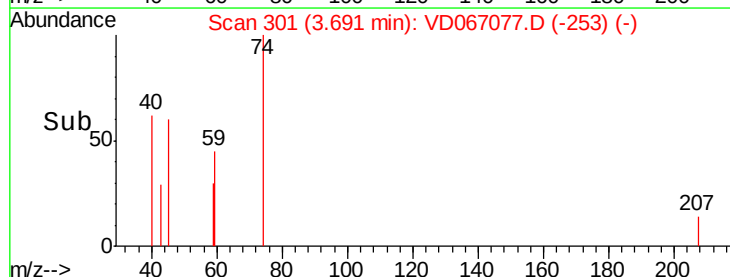
1000

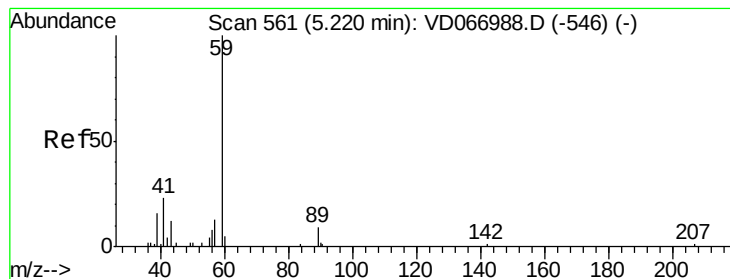
500

0

3.65 3.70 3.75

Time-->



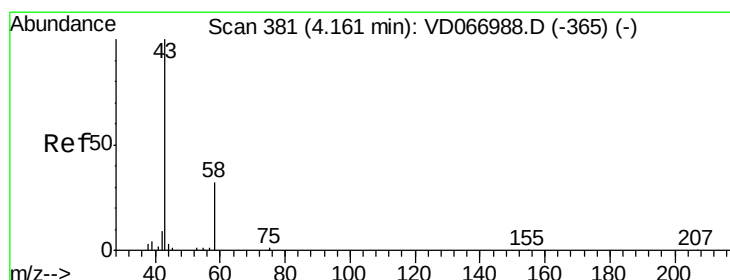
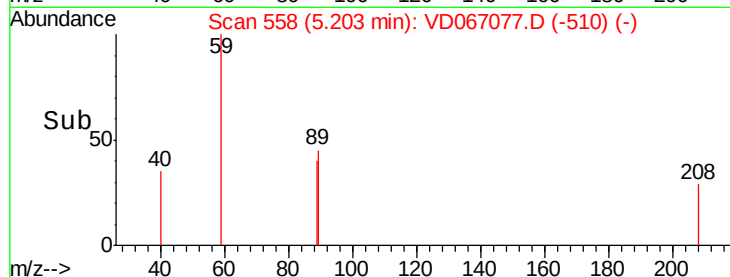
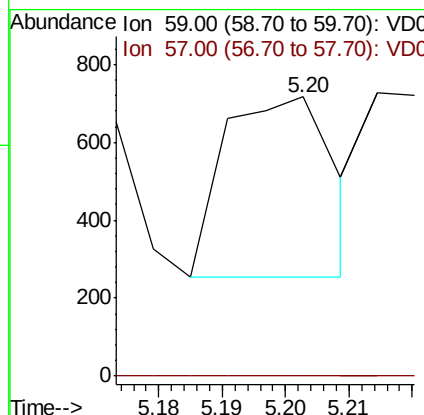
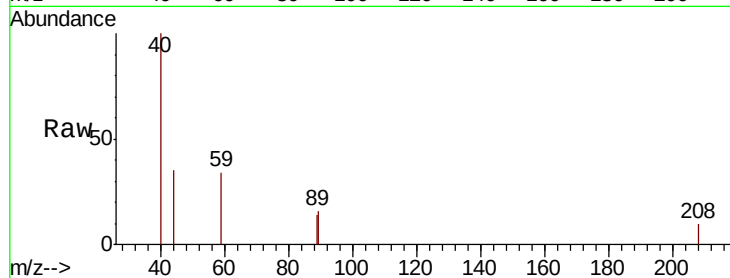


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

Instrument :
MSVOA_D
ClientSampled :
2392

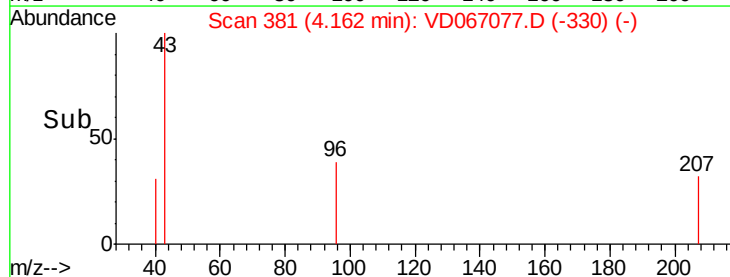
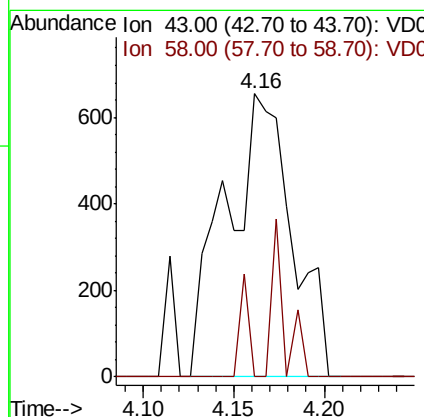
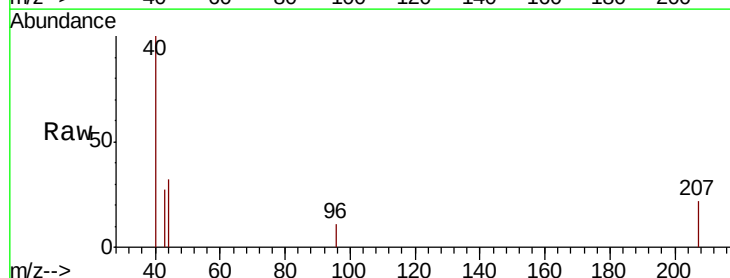
Tot Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

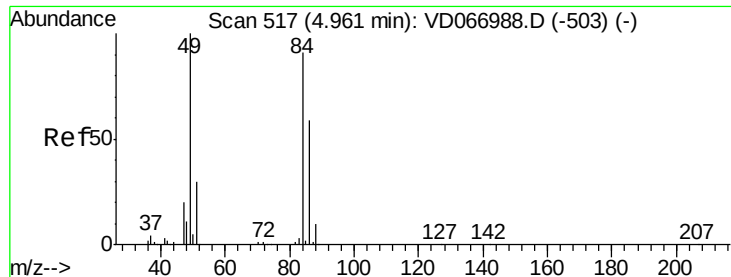


#16

Acetone
Concen: 4.299 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

Tgt Ion: 43 Resp: 1668
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#





#20

Methylene Chloride

Concen: 6.388 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067077.D

Acq: 05 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

2392

Tot Ion: 84 Resp: 35059

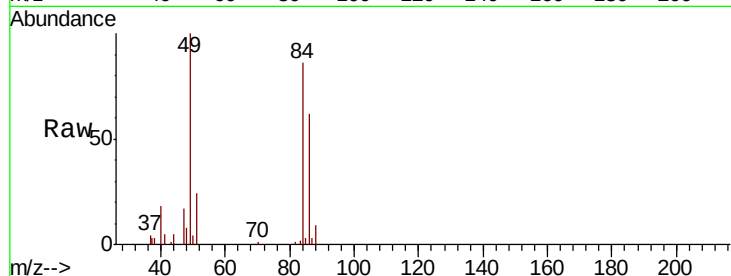
Ion Ratio Lower Upper

84 100

49 115.6 88.2 132.2

51 27.3 26.6 39.8

86 72.0 52.1 78.1

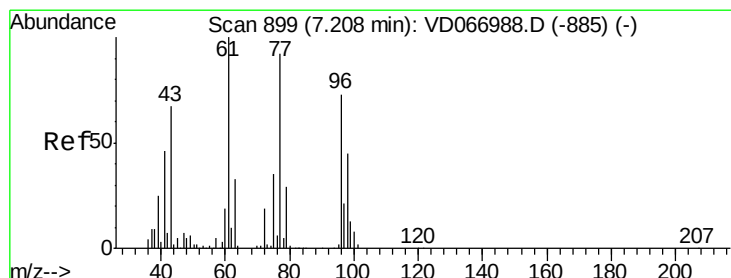
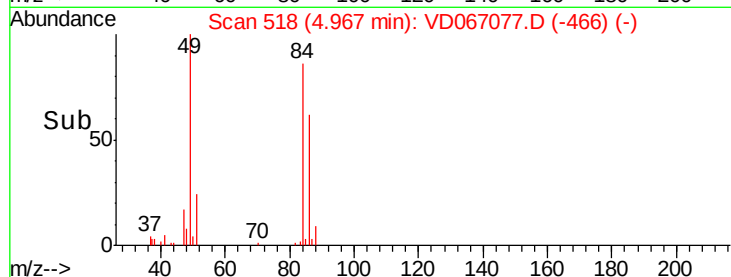
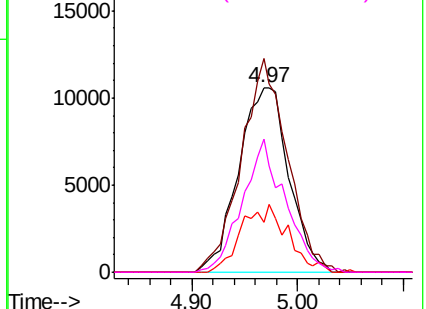


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067077.D

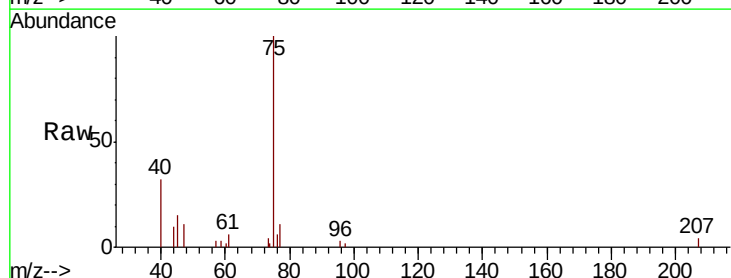
Acq: 05 Oct 2020 12:19

Tgt Ion: 77 Resp: 1702

Ion Ratio Lower Upper

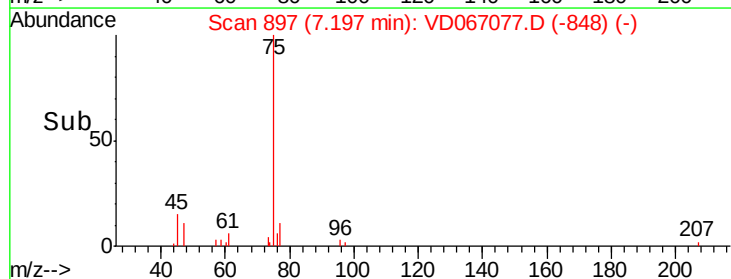
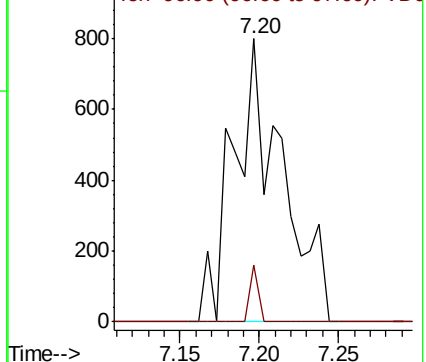
77 100

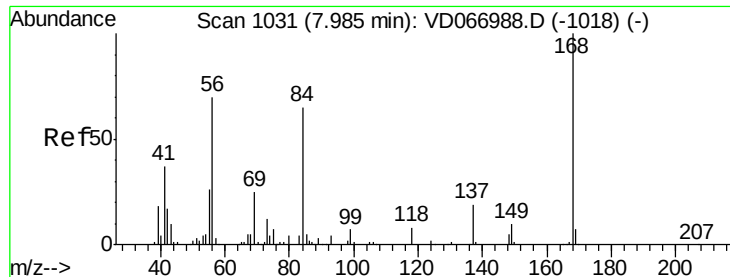
97 3.3 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

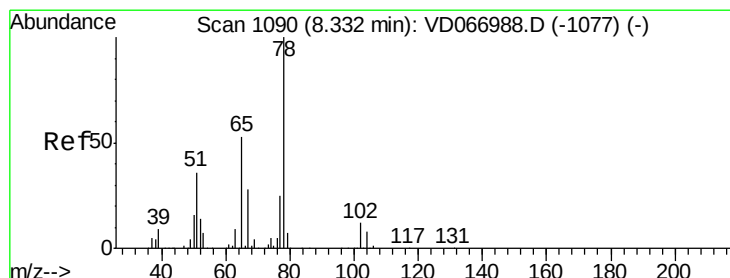
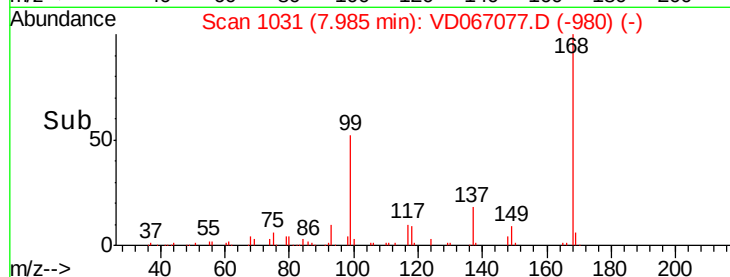
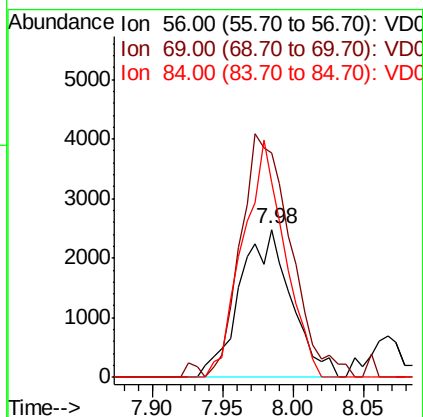
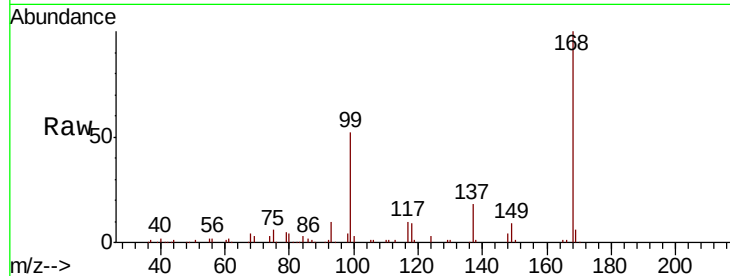




#31
Cyclohexane
Concen: 1.662 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

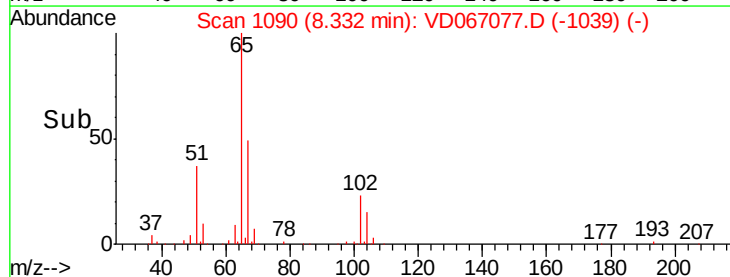
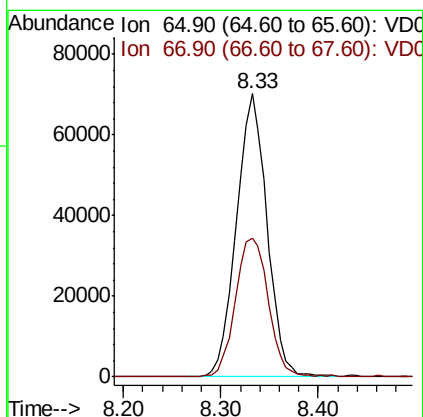
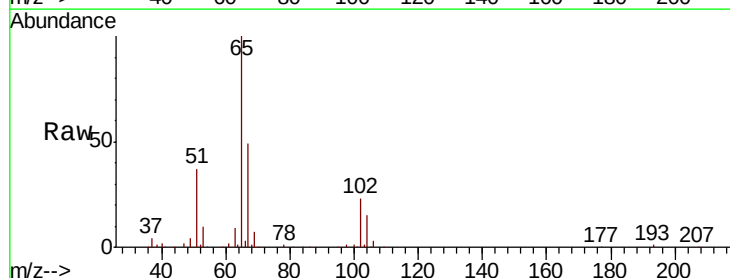
Instrument :
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2392

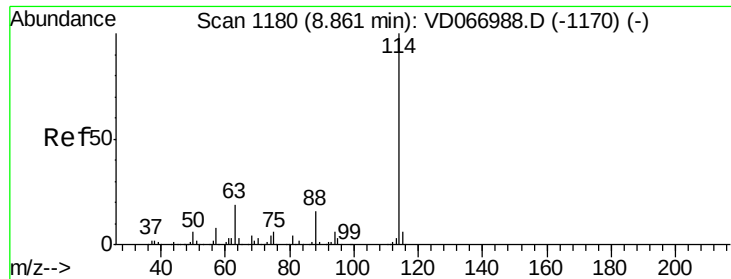
Tot Ion: 56 Resp: 6345
Ion Ratio Lower Upper
56 100
69 142.9 29.0 43.6#
84 132.2 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 60.088 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

Tgt Ion: 65 Resp: 152728
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

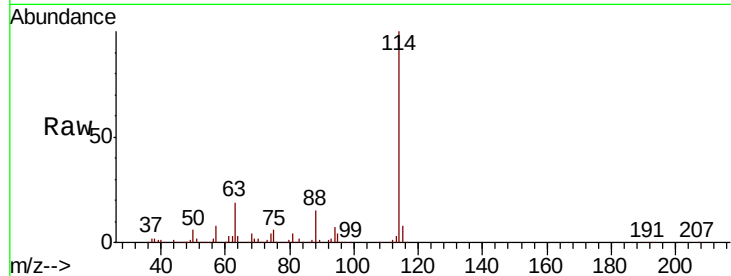




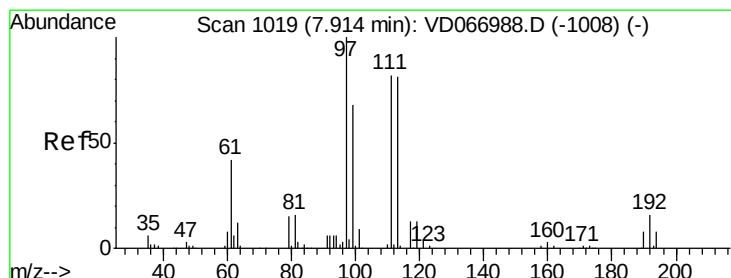
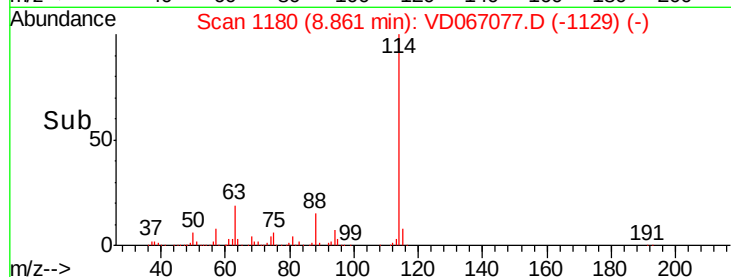
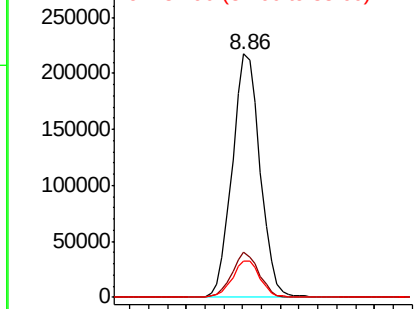
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067077.D
 Acq: 05 Oct 2020 12:19

Instrument :
 MSVOA_D
 ClientSampleId :
 2392

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	15.0	0.0	31.2

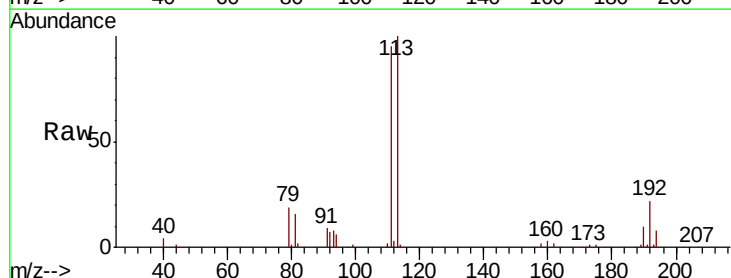


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

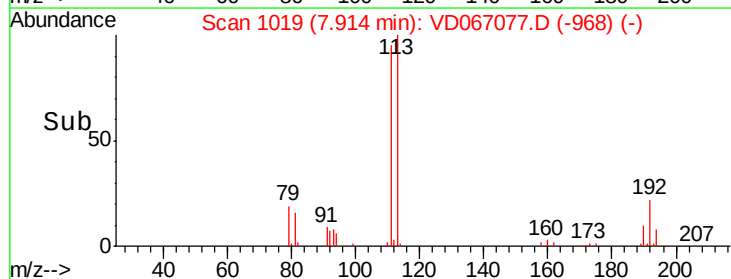
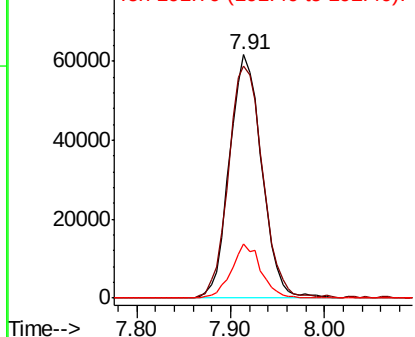


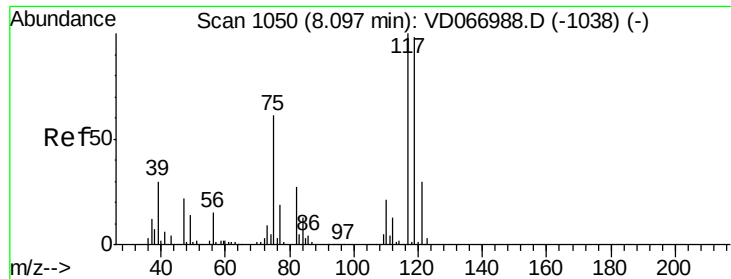
#35
 Dibromofluoromethane
 Concen: 50.213 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067077.D
 Acq: 05 Oct 2020 12:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.0	124.4
192	20.3	15.5	23.3



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

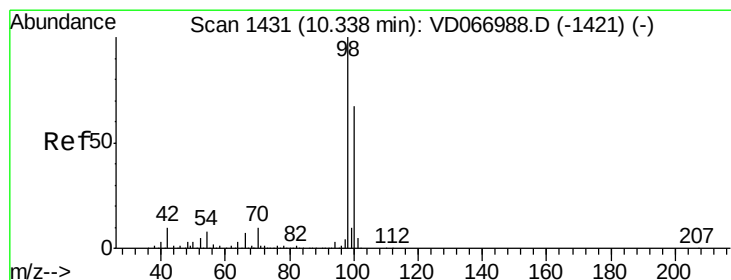
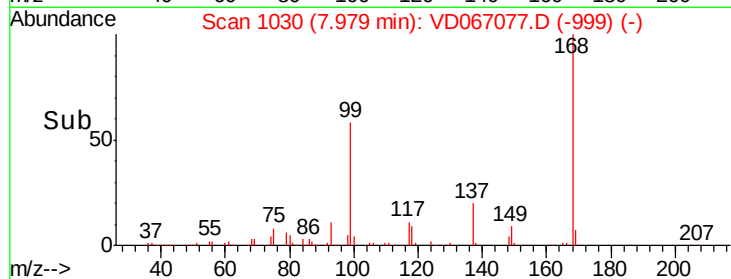
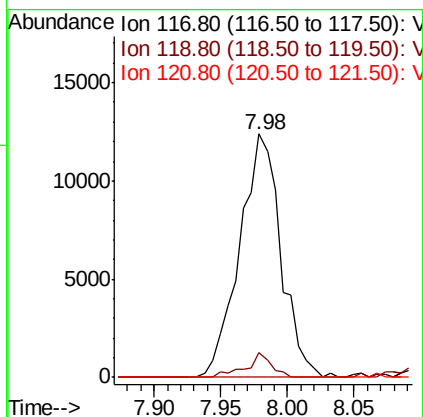
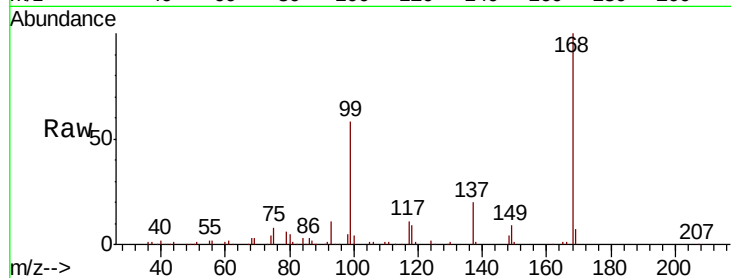




#38
Carbon Tetrachloride
Concen: 5.860 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

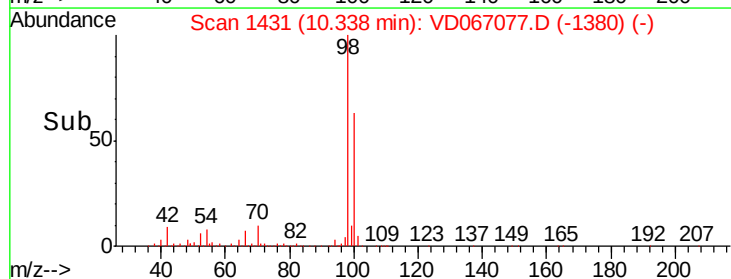
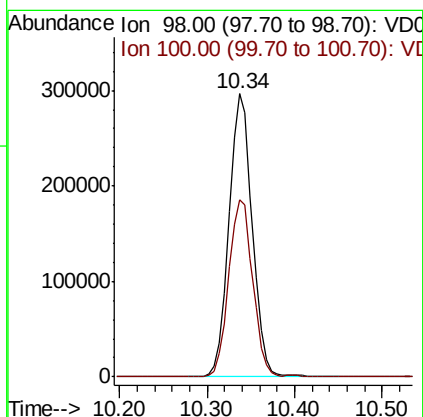
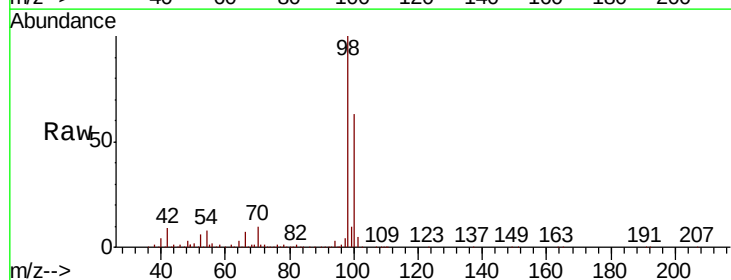
Instrument :
MSVOA_D
ClientSampleId :
2392

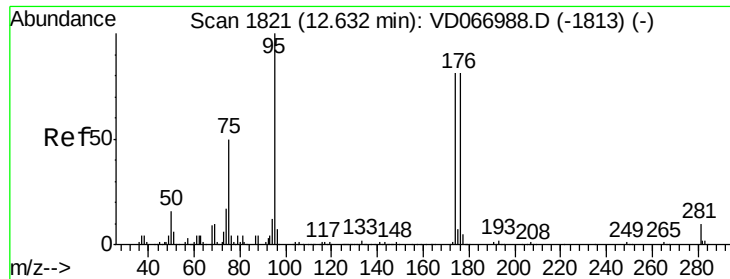
Tot Ion:117 Resp: 26487
Ion Ratio Lower Upper
117 100
119 10.3 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.100 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

Tgt Ion: 98 Resp: 535642
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2

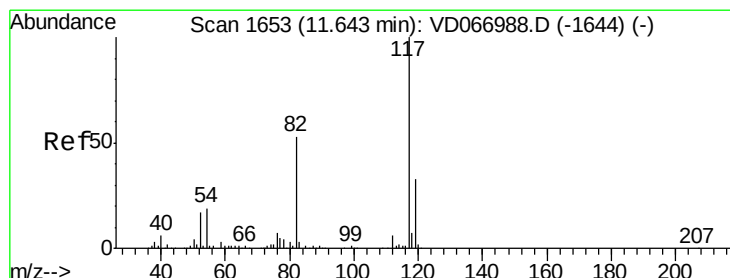
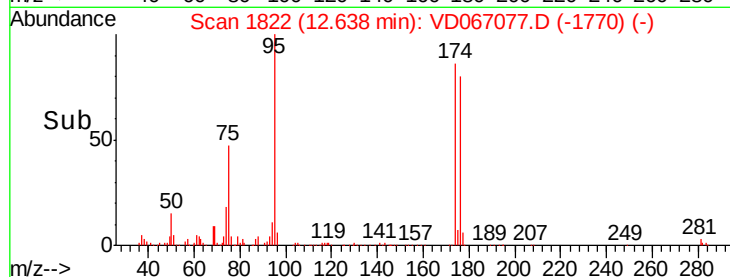
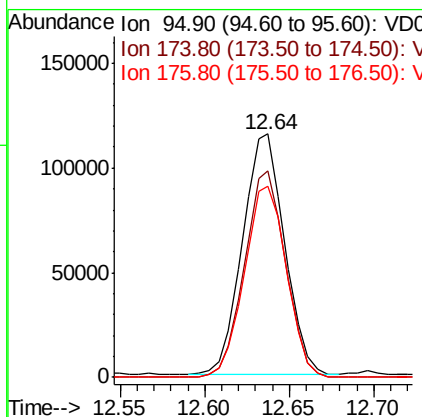
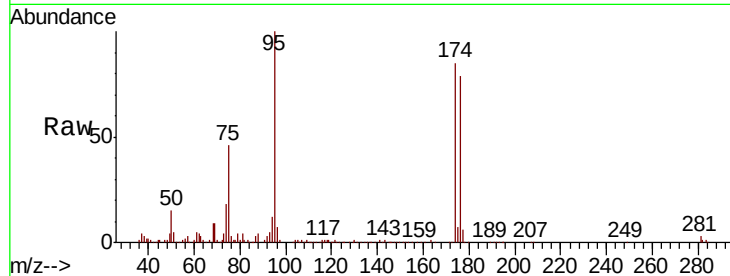




#62
4-Bromofluorobenzene
Concen: 54.850 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

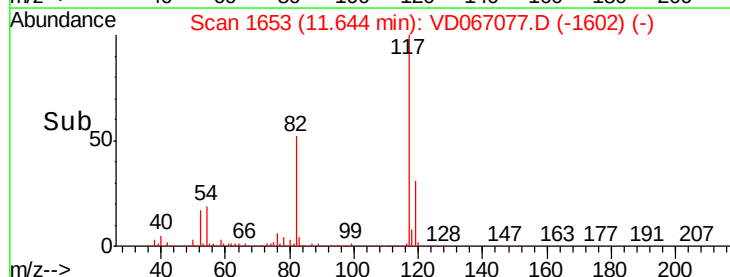
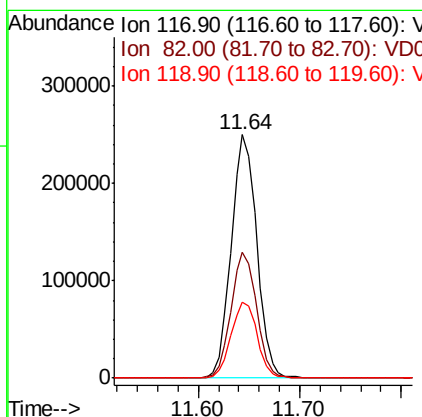
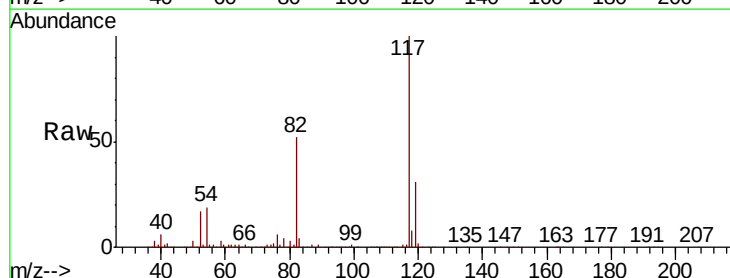
Instrument :
MSVOA_D
ClientSampled :
2392

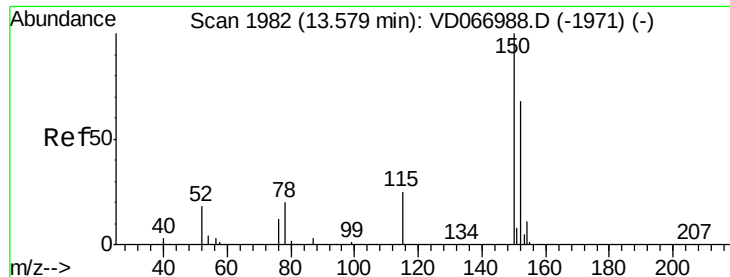
Tot Ion: 95 Resp: 199078
Ion Ratio Lower Upper
95 100
174 83.8 0.0 167.6
176 79.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

Tgt Ion: 117 Resp: 438281
Ion Ratio Lower Upper
117 100
82 51.6 42.6 63.8
119 30.9 26.3 39.5



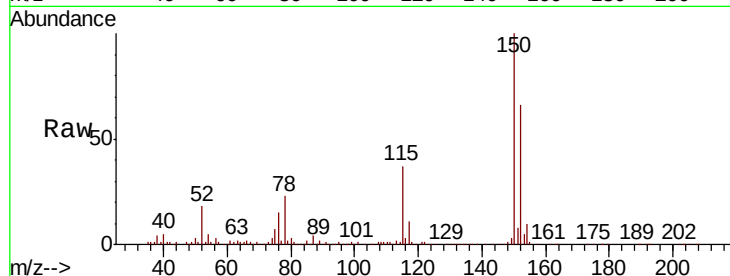


#72

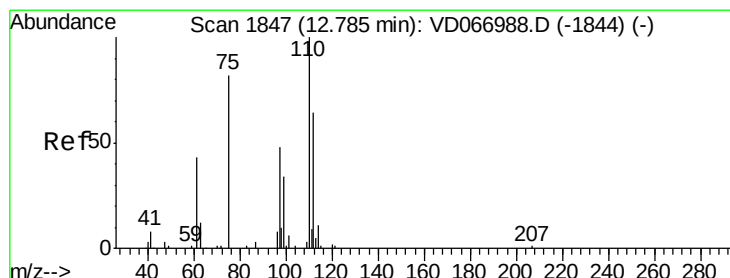
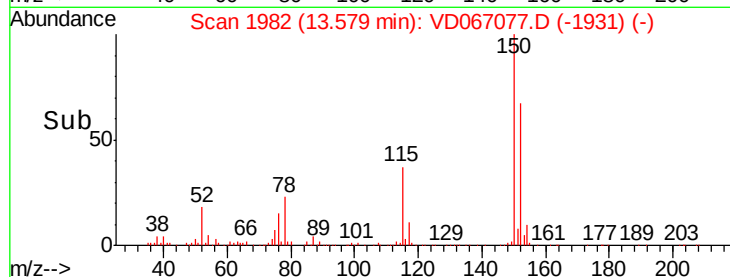
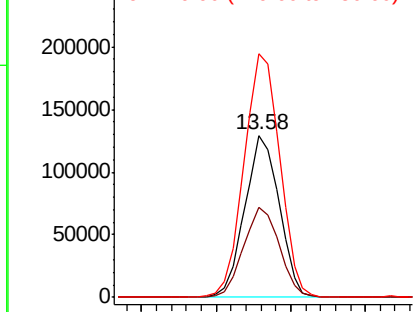
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

Instrument :
MSVOA_D
ClientSampleId :
2392

Tot Ion:152 Resp: 206906
Ion Ratio Lower Upper
152 100
115 57.7 29.6 88.8
150 155.4 0.0 344.8



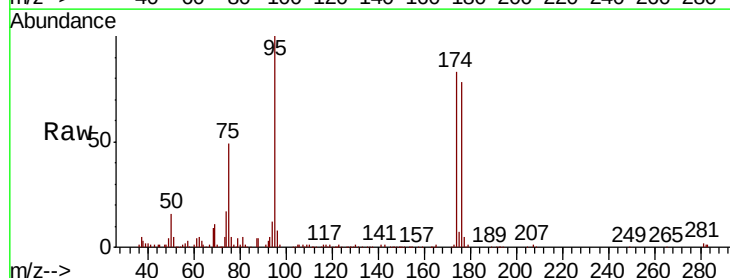
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



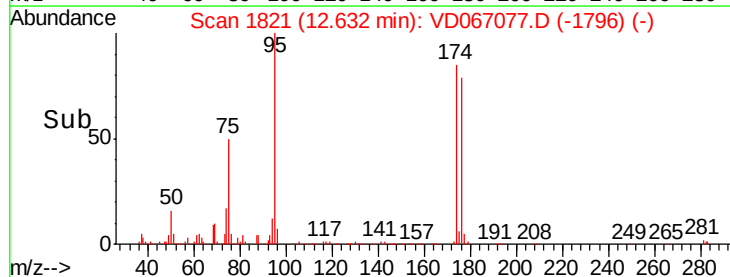
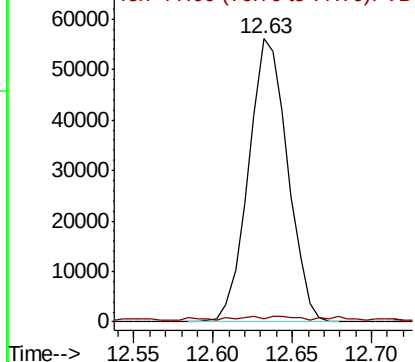
#76

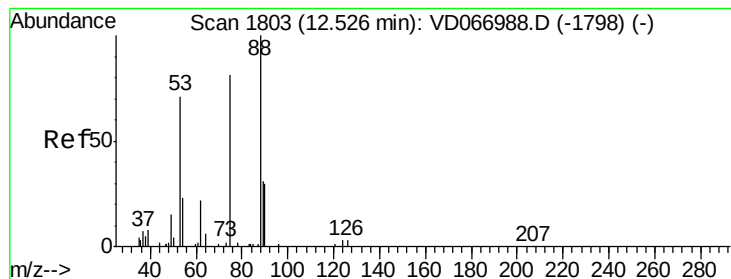
1,2,3-Trichloropropane
Concen: 53.310 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD067077.D
Acq: 05 Oct 2020 12:19

Tgt Ion: 75 Resp: 96076
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 132.908 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067077.D

Acq: 05 Oct 2020 12:19

Instrument :

MSVOA_D

ClientSampleId :

2392

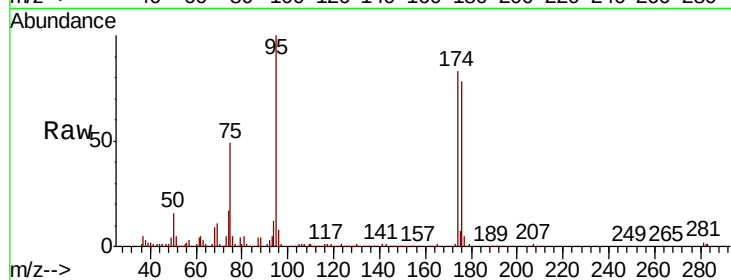
Tot Ion: 75 Resp: 96076

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.0 38.9 58.3#



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

