

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067379.D
 Acq On : 23 Oct 2020 13:53
 Operator : VA/SY
 Sample : L4501-02
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Oct 24 07:19:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	518005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	511880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258946	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	166419	51.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.50%	
35) Dibromofluoromethane	7.92	113	166859	48.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.80%	
50) Toluene-d8	10.34	98	613072	49.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.64	95	227807	52.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.02%	

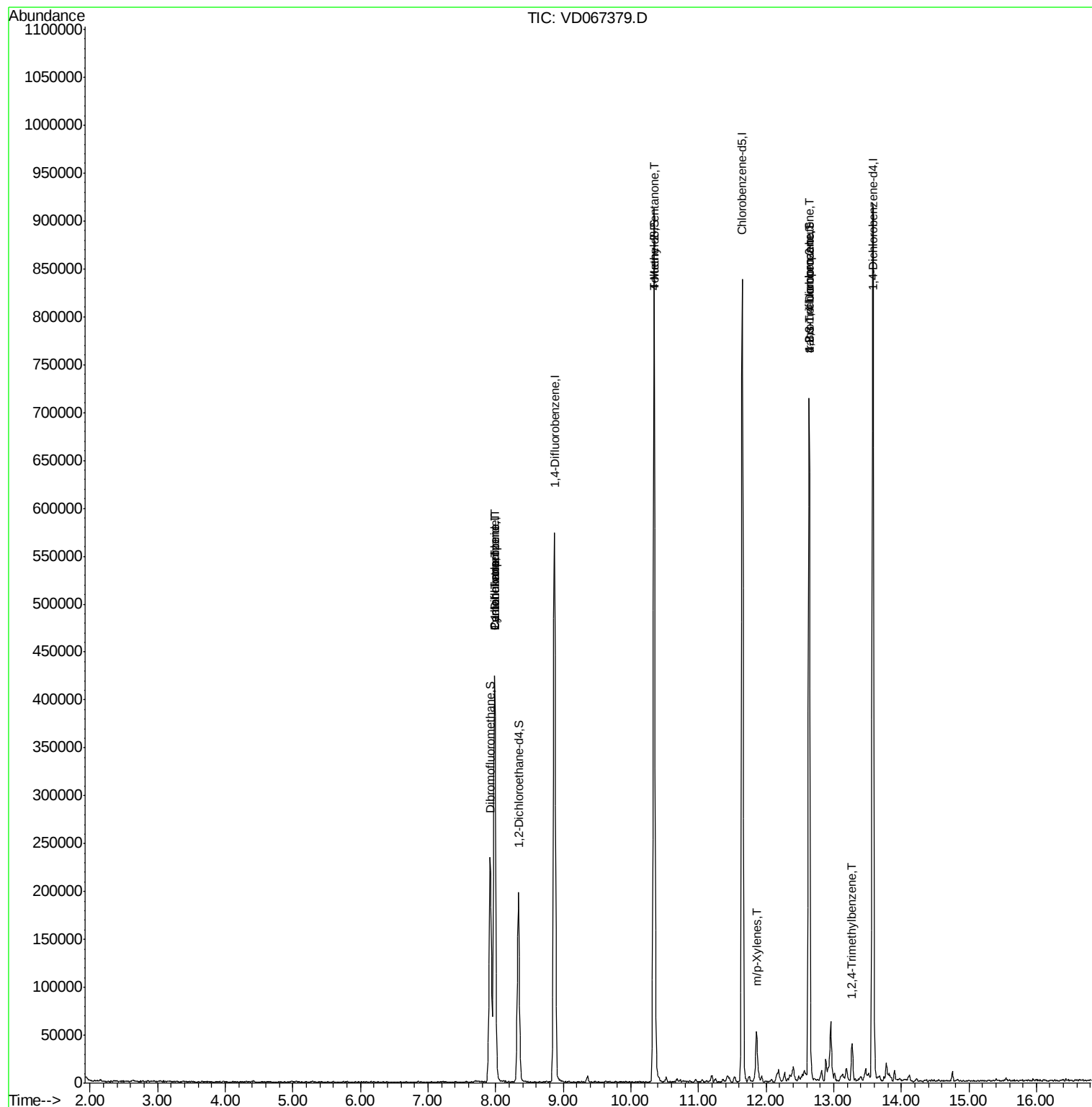
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	119	Below Cal	#	44
5) Bromomethane	2.79	94	261	Below Cal	#	3
20) Methylene Chloride	4.95	84	346	Below Cal	#	20
31) Cyclohexane	7.98	56	6308	1.703	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	22116	5.037	ug/l #	52
38) Carbon Tetrachloride	7.98	117	32728	5.832	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2585	2.022	ug/l #	1
68) m/p-Xylenes	11.86	106	10698	1.651	ug/l	93
76) 1,2,3-Trichloropropane	12.64	75	115606	64.414	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115606	146.071	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	20090	1.423	ug/l	85

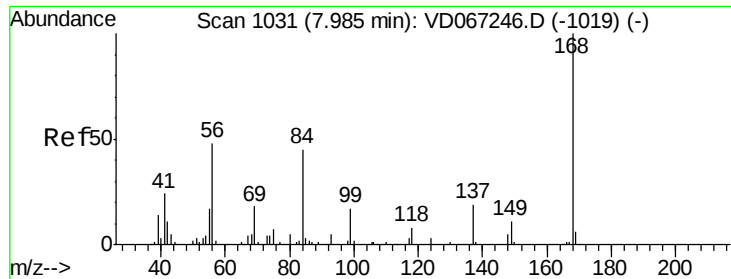
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

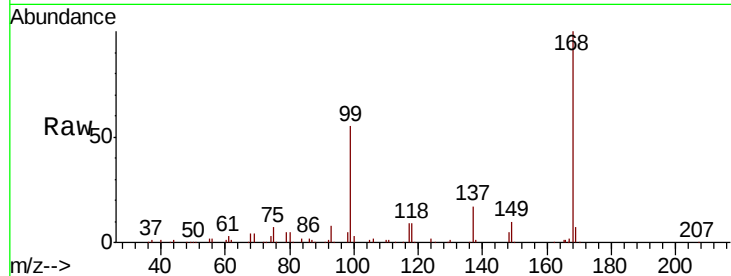
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

Tot Ion:168 Resp: 320981

Ion Ratio Lower Upper

168 100

99 55.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

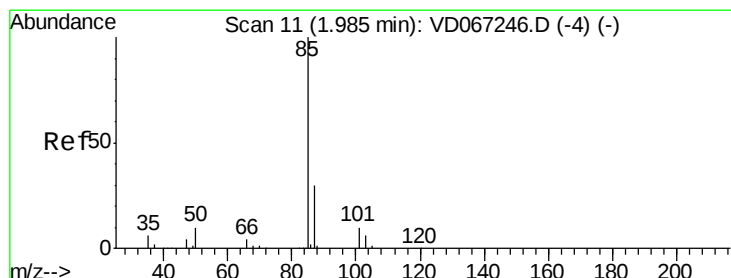
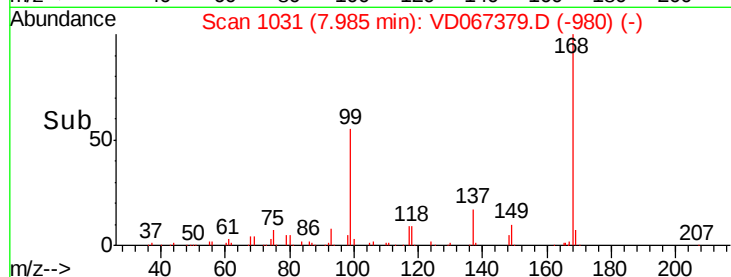
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067379.D

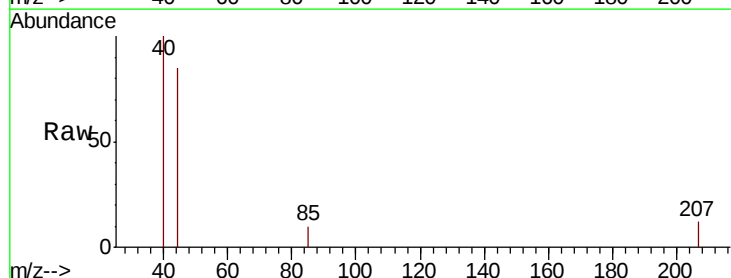
Acq: 23 Oct 2020 13:53

Tgt Ion: 85 Resp: 119

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200

150

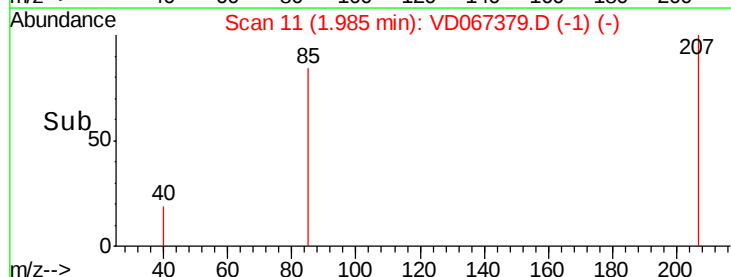
100

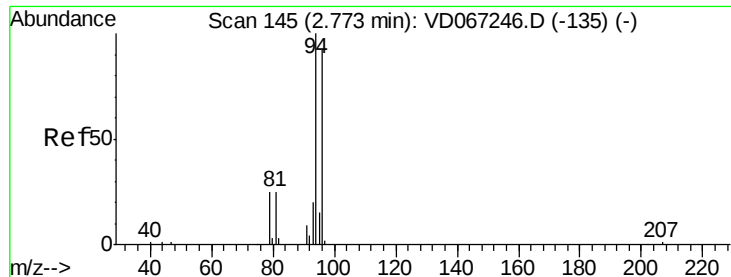
50

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

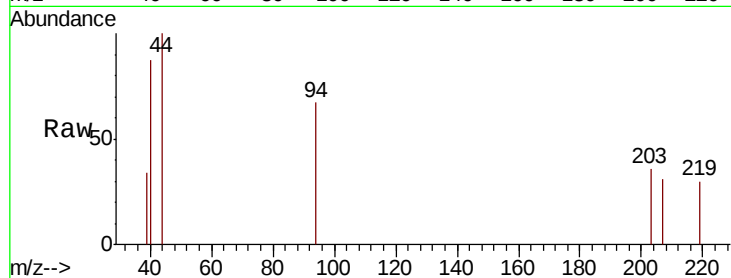
COMP-2

Tot Ion: 94 Resp: 261

Ion Ratio Lower Upper

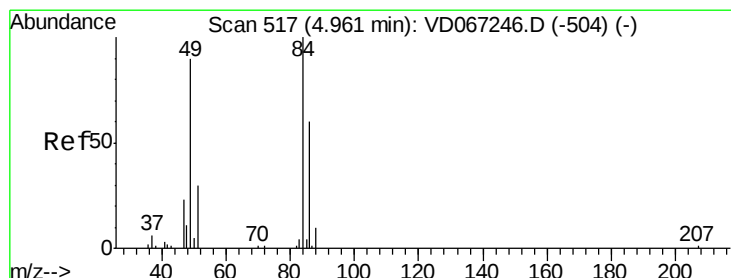
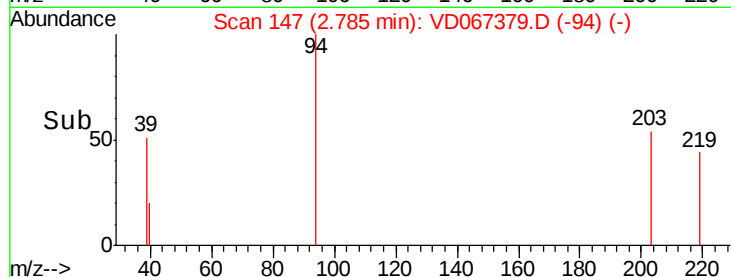
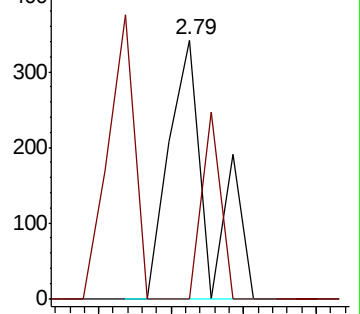
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Tgt Ion: 84 Resp: 346

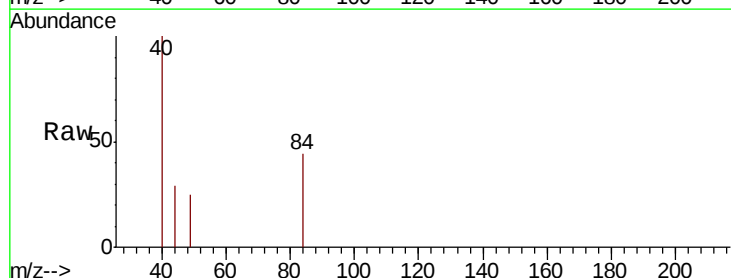
Ion Ratio Lower Upper

84 100

49 6.3 72.2 108.2#

51 0.0 23.8 35.8#

86 0.0 48.2 72.4#

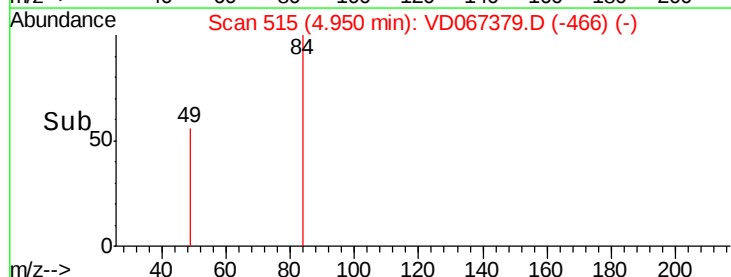
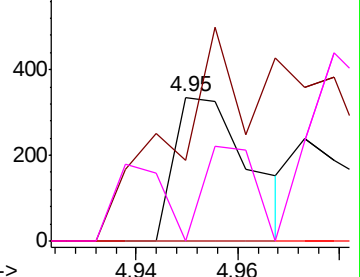


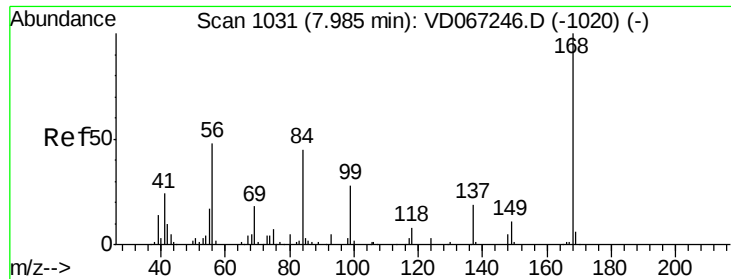
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

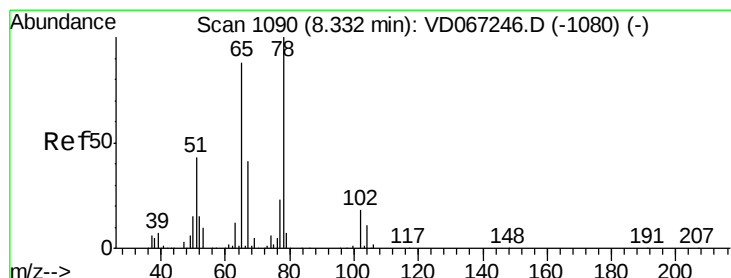
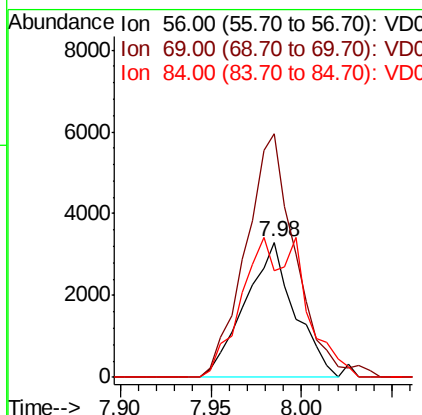
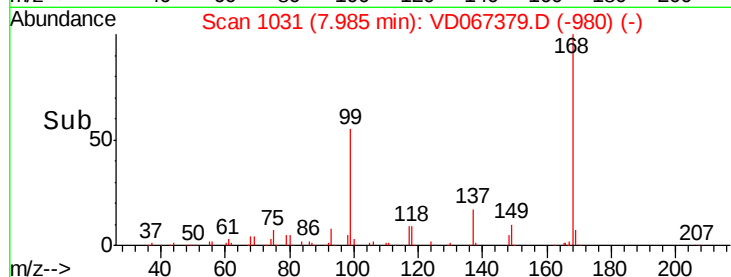
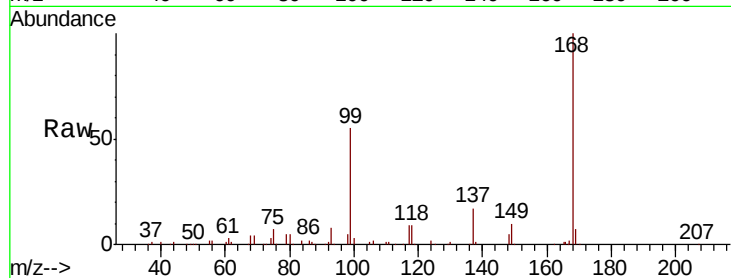




#31
Cyclohexane
Concen: 1.703 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067379.D
Acq: 23 Oct 2020 13:53

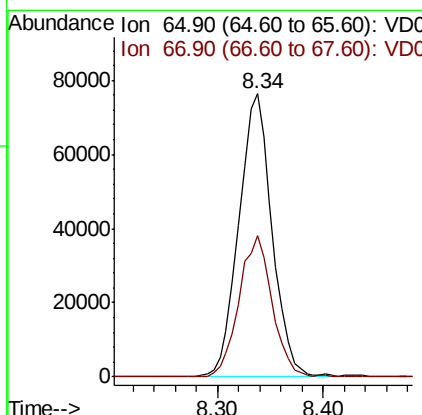
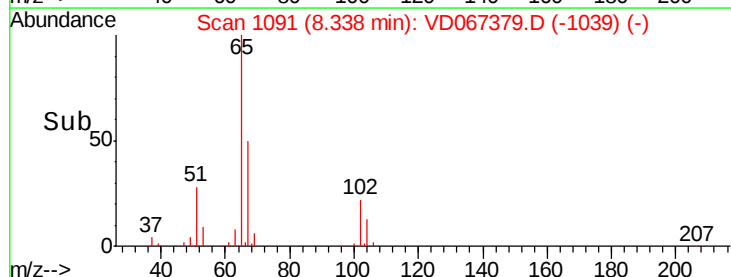
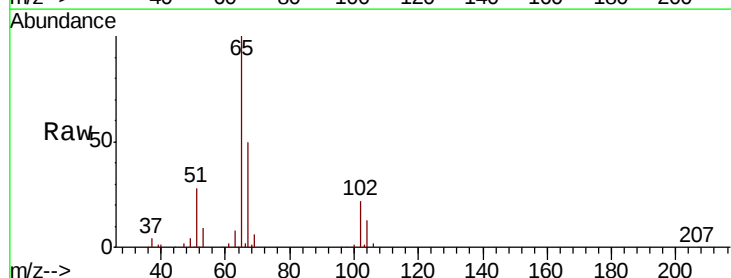
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

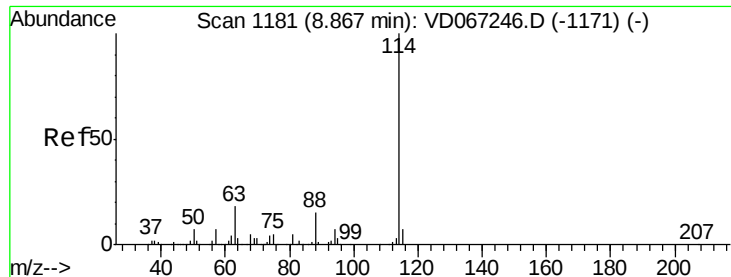
Tot Ion: 56 Resp: 6308
Ion Ratio Lower Upper
56 100
69 180.5 29.8 44.6#
84 79.4 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 51.751 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067379.D
Acq: 23 Oct 2020 13:53

Tgt Ion: 65 Resp: 166419
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.8

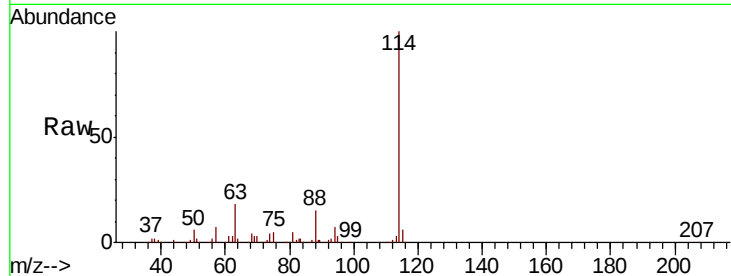




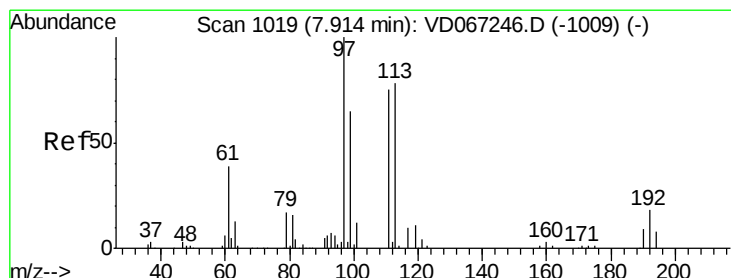
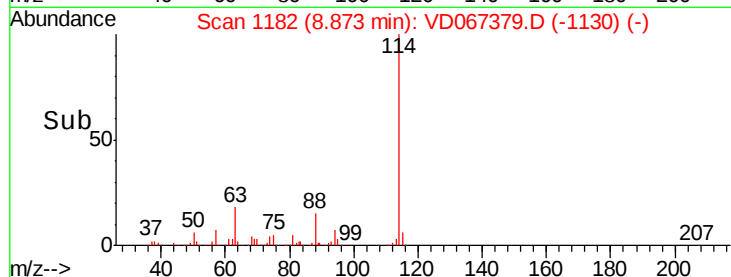
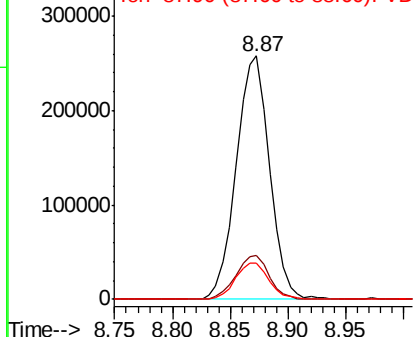
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067379.D
 Acq: 23 Oct 2020 13:53

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.0
88	14.8	0.0	30.6

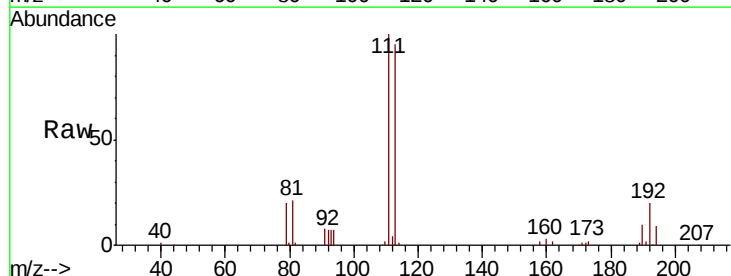


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

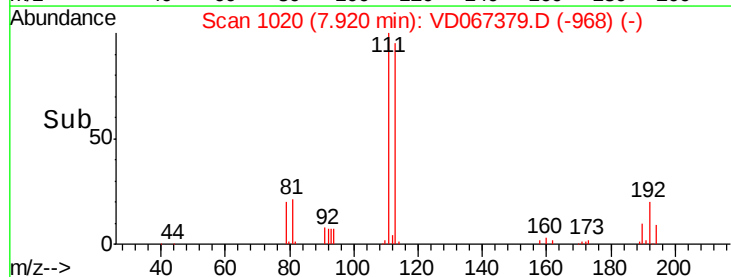
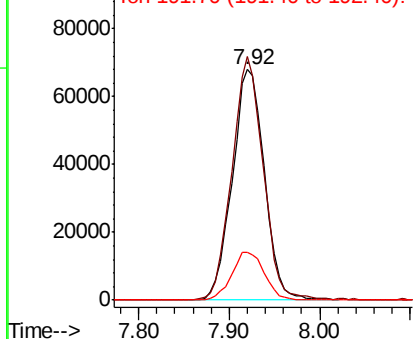


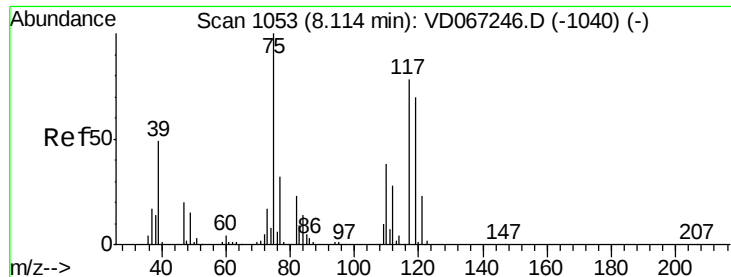
#35
 Dibromofluoromethane
 Concen: 48.402 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067379.D
 Acq: 23 Oct 2020 13:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.6	122.4
192	21.1	17.0	25.4



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: 5.037 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

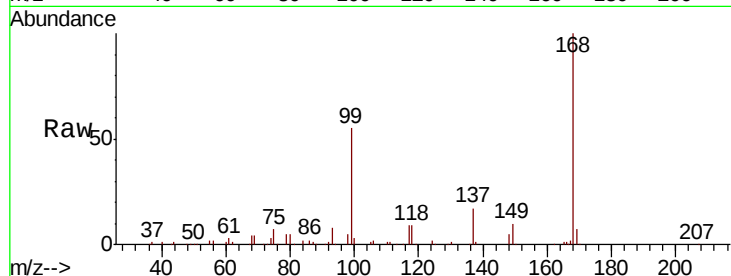
Tot Ion: 75 Resp: 22116

Ion Ratio Lower Upper

75 100

110 13.6 19.6 58.7#

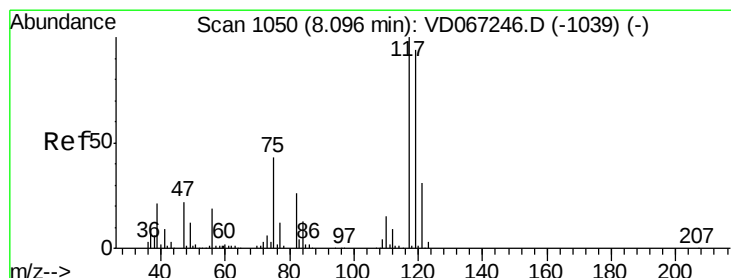
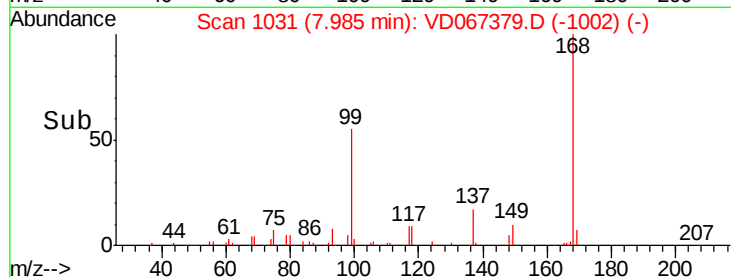
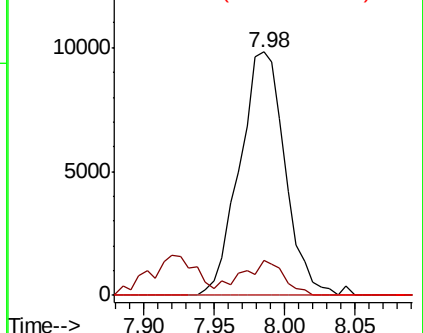
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VD067379.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD067379.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD067379.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 5.832 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

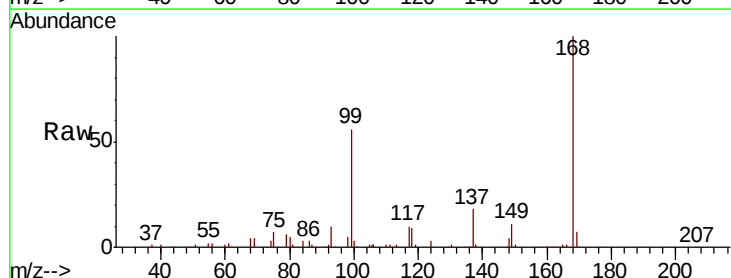
Tgt Ion: 117 Resp: 32728

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.4#

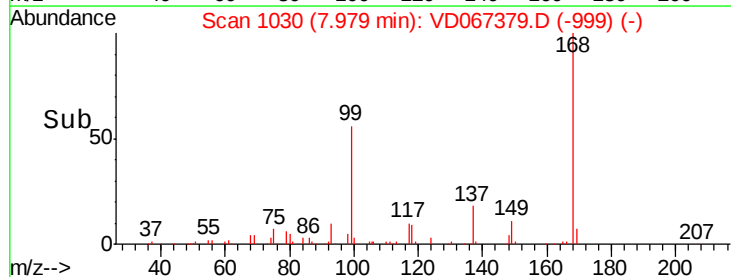
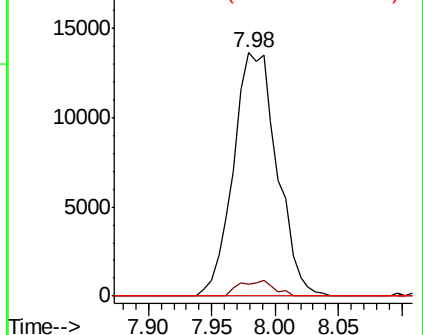
121 0.0 24.9 37.3#

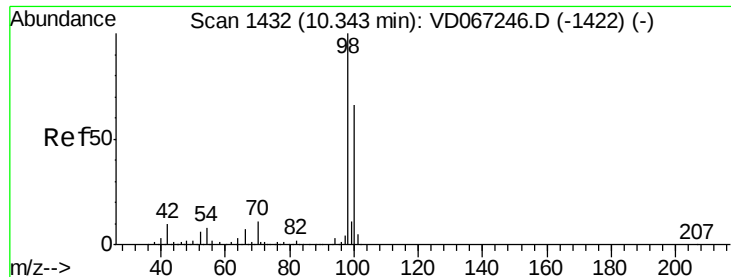


Abundance Ion 116.80 (116.50 to 117.50): VD067379.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD067379.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD067379.D (-999) (-)





#50

Toluene-d8

Concen: 49.142 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

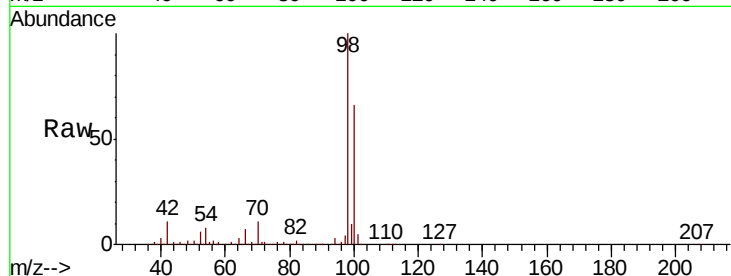
COMP-2

Tot Ion: 98 Resp: 613072

Ion Ratio Lower Upper

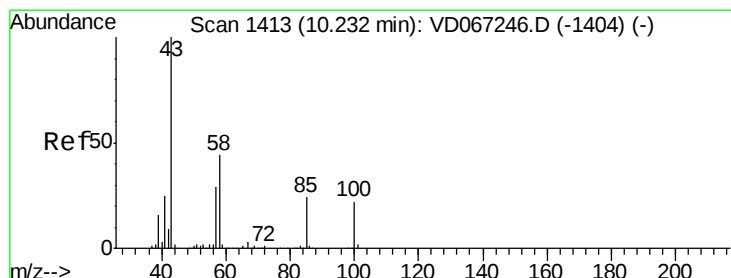
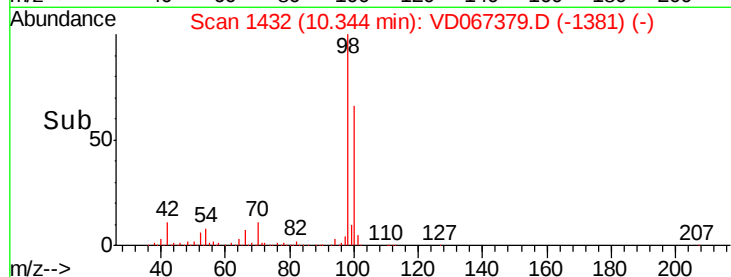
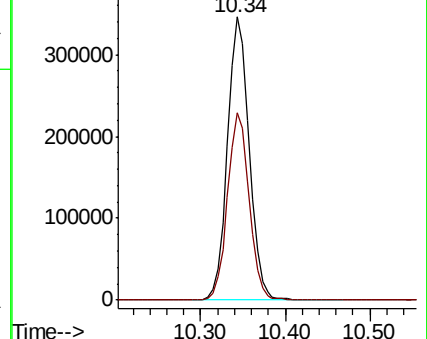
98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 2.022 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067379.D

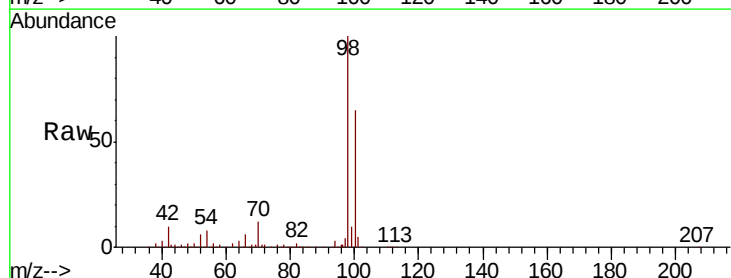
Acq: 23 Oct 2020 13:53

Tgt Ion: 43 Resp: 2585

Ion Ratio Lower Upper

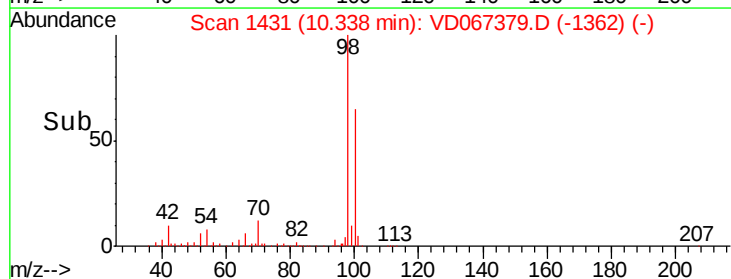
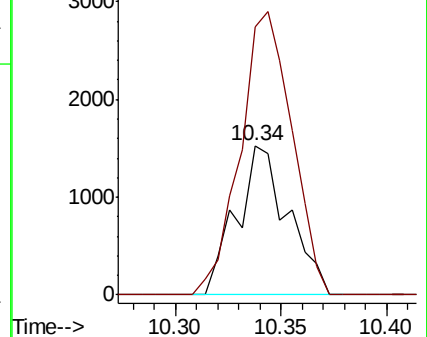
43 100

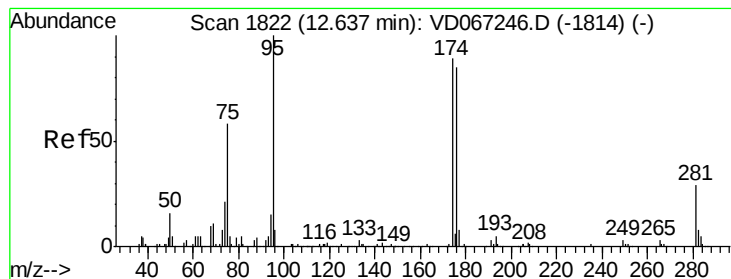
58 190.8 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 52.514 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

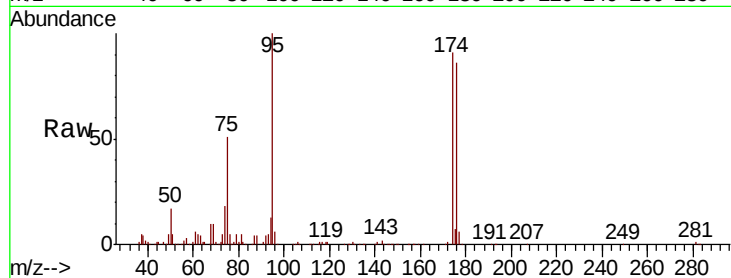
Tot Ion: 95 Resp: 227807

Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.2

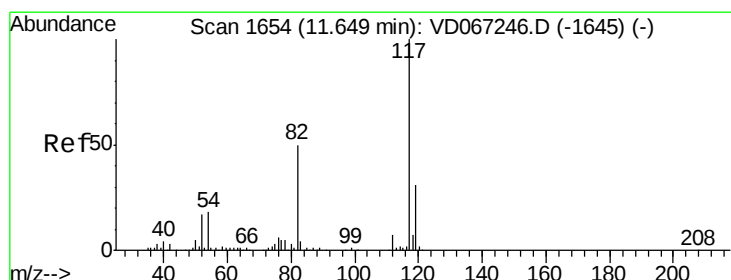
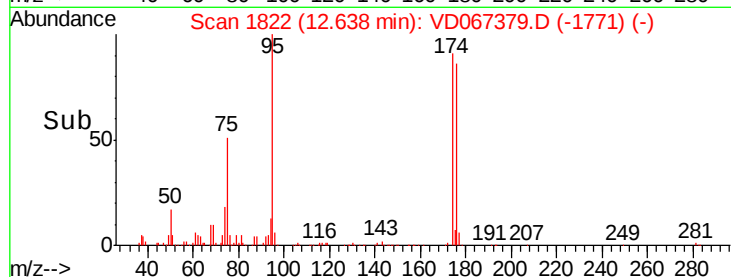
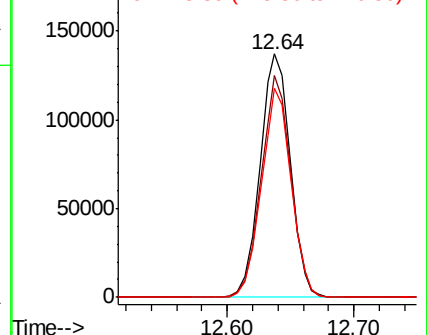
176 84.5 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

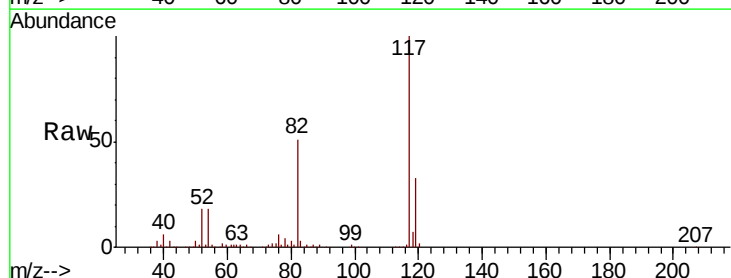
Tgt Ion: 117 Resp: 511880

Ion Ratio Lower Upper

117 100

82 51.5 39.9 59.9

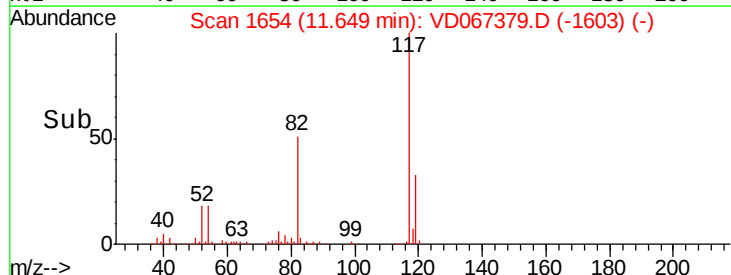
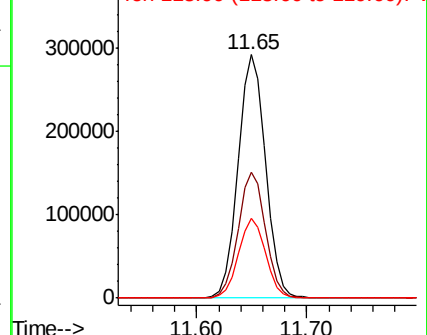
119 32.7 24.9 37.3

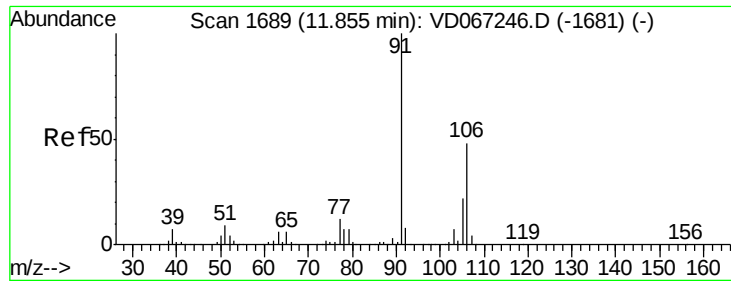


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

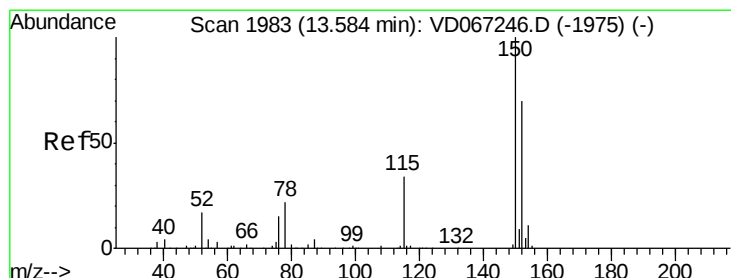
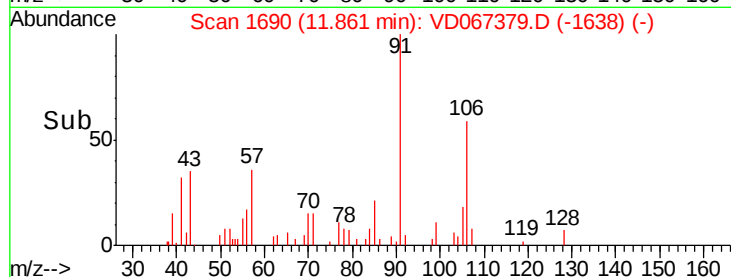
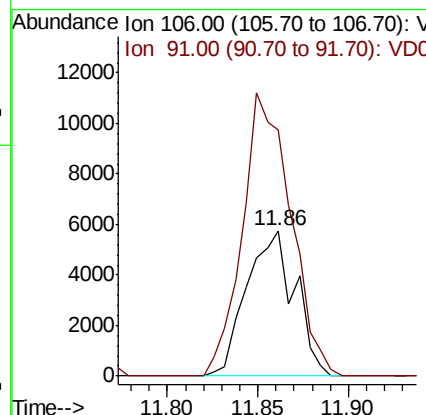
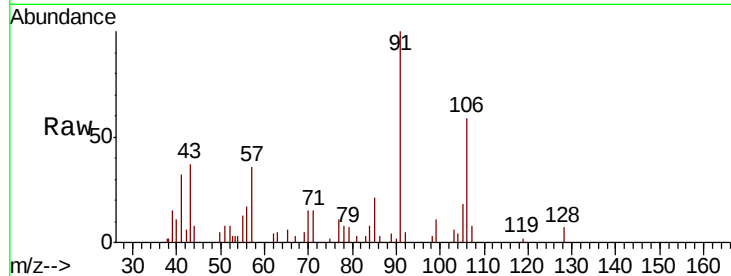




#68
m/p-Xvlenes
Concen: 1.651 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067379.D
Acq: 23 Oct 2020 13:53

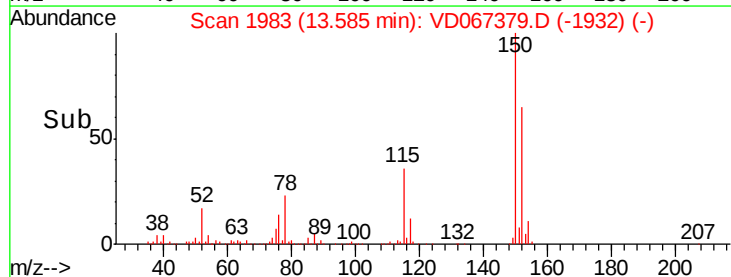
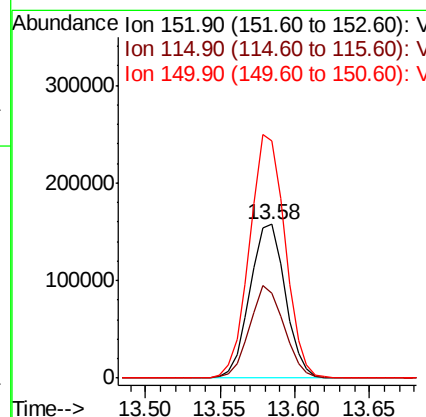
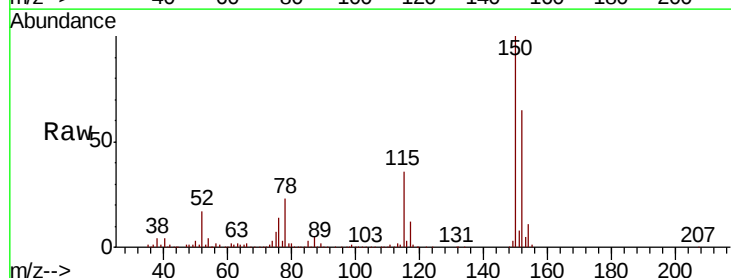
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

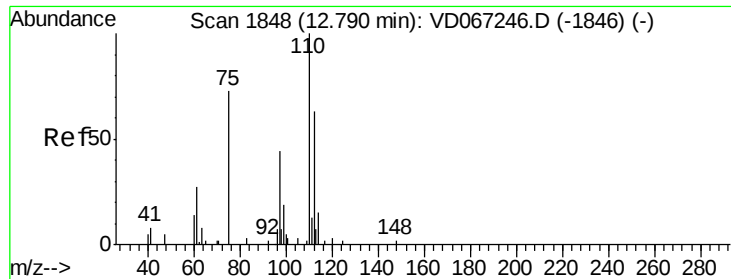
Tot Ion:106 Resp: 10698
Ion Ratio Lower Upper
106 100
91 194.4 163.8 245.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067379.D
Acq: 23 Oct 2020 13:53

Tgt Ion:152 Resp: 258946
Ion Ratio Lower Upper
152 100
115 58.8 29.3 87.9
150 158.7 0.0 339.0

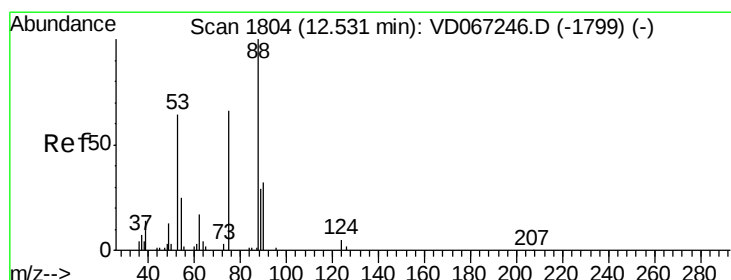
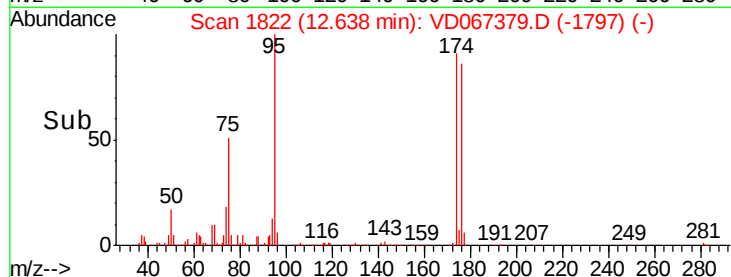
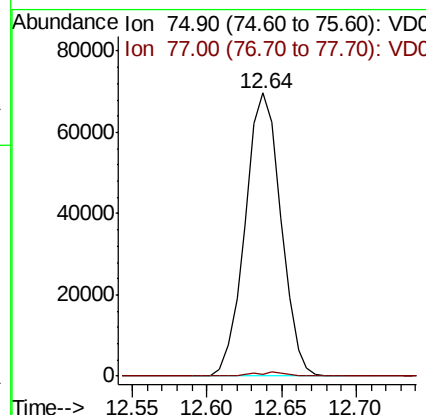
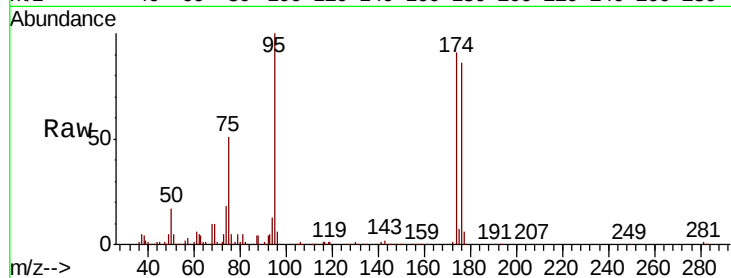




#76
 1,2,3-Trichloropropane
 Concen: 64.414 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067379.D
 Acq: 23 Oct 2020 13:53

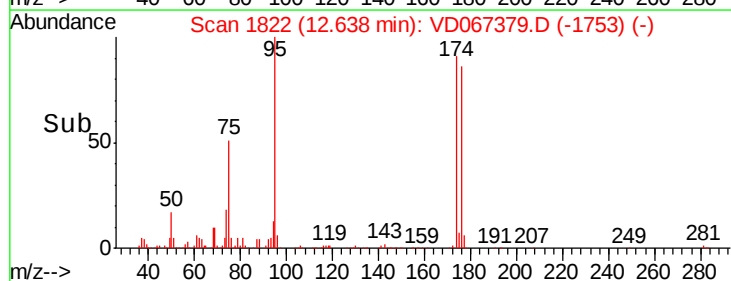
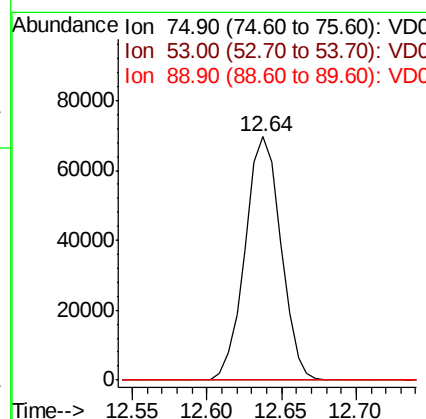
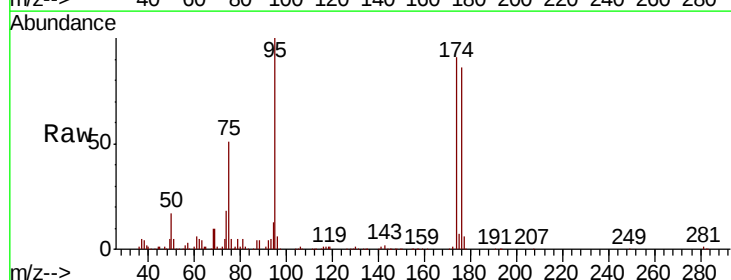
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

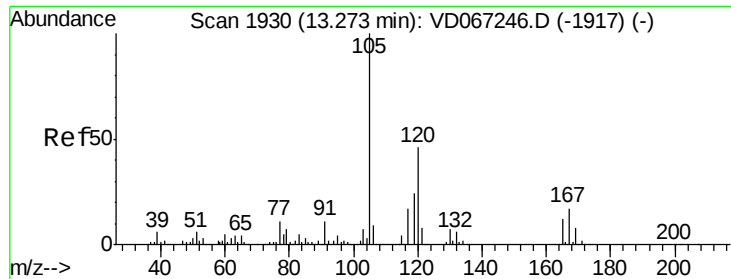
Tot Ion: 75 Resp: 115606
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.071 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067379.D
 Acq: 23 Oct 2020 13:53

Tgt Ion: 75 Resp: 115606
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 39.9 59.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.423 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067379.D
 Acq: 23 Oct 2020 13:53

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Tot Ion:105 Resp: 20090
 Ion Ratio Lower Upper
 105 100
 120 54.7 22.4 67.3

