

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067033.D
 Acq On : 02 Oct 2020 14:10
 Operator : VA/SY
 Sample : L4213-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)

Quant Time: Oct 03 04:48:08 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	470491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	797911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	724660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318657	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	240275	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	7.91	113	262142	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.34	98	938635	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.63	95	293450	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

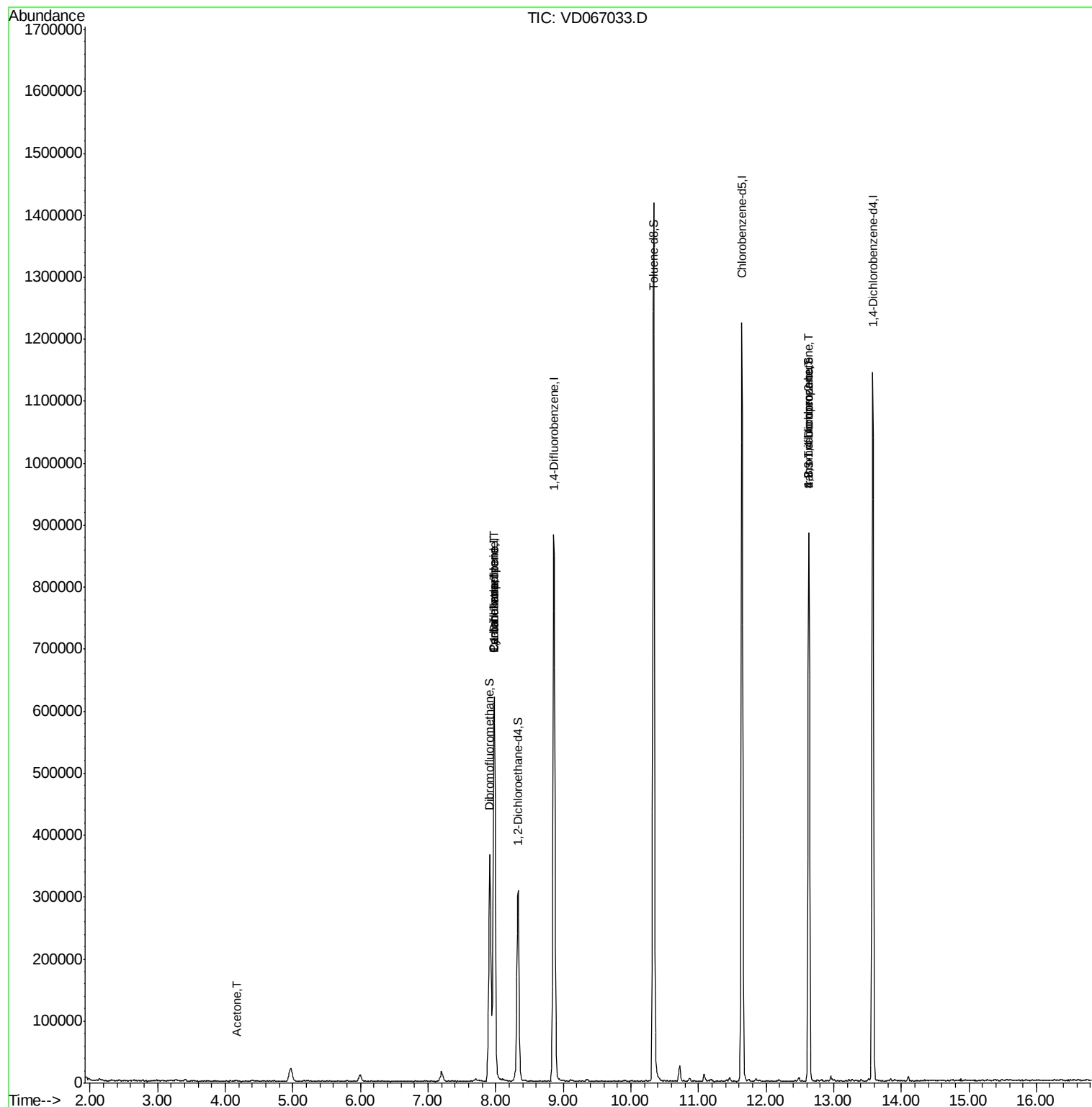
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1081	Below Cal		98
5) Bromomethane	2.77	94	474	Below Cal	#	56
11) Tert butyl alcohol	5.22	59	259	Below Cal	#	72
16) Acetone	4.17	43	1304	1.885	ug/l #	42
20) Methylene Chloride	4.96	84	16911	Below Cal		95
26) 2,2-Dichloropropane	7.23	77	232	Below Cal		89
31) Cyclohexane	7.98	56	11079	1.628	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	36180	4.865	ug/l #	51
38) Carbon Tetrachloride	7.98	117	47886	5.951	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	149704	53.936	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	149704	134.468	ug/l #	12

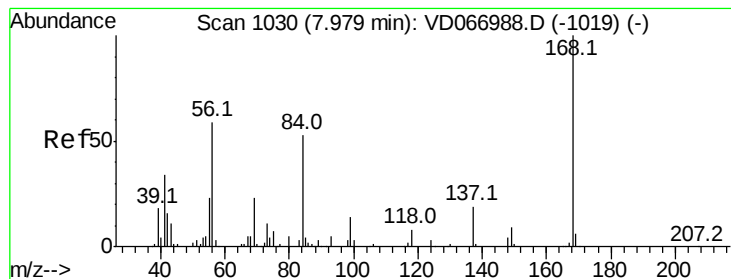
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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B-15(3-4)

Quant Time: Oct 03 04:48:08 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: VD067033.D

Acq: 02 Oct 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

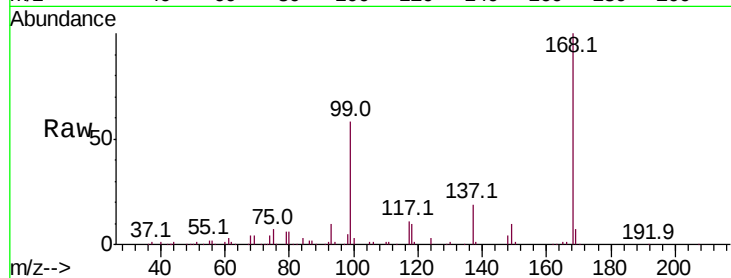
B-15(3-4)

Tot Ion:168 Resp: 470491

Ion Ratio Lower Upper

168 100

99 57.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

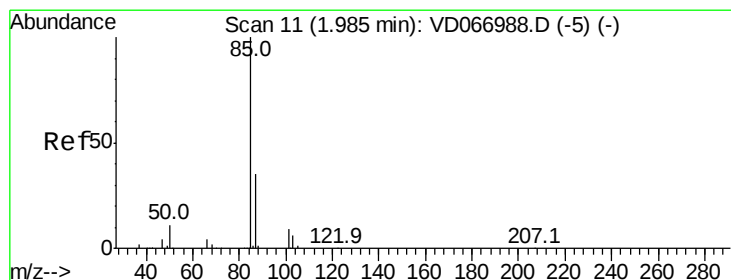
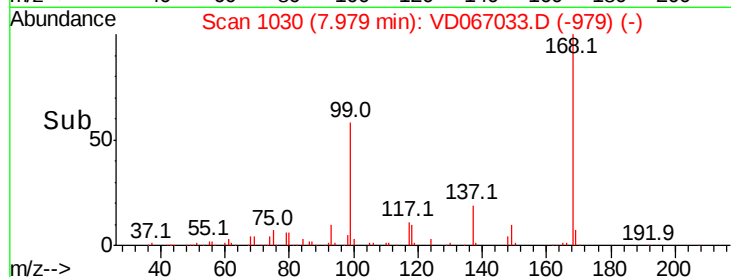
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067033.D

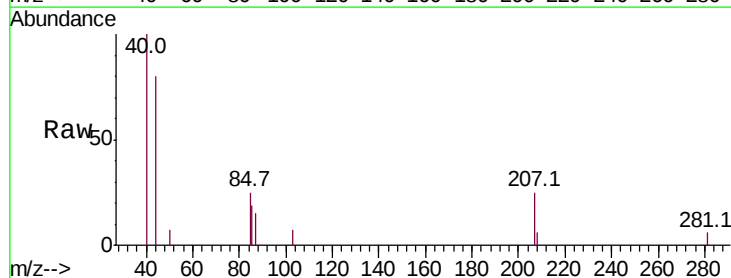
Acq: 02 Oct 2020 14:10

Tgt Ion: 85 Resp: 1081

Ion Ratio Lower Upper

85 100

87 33.6 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

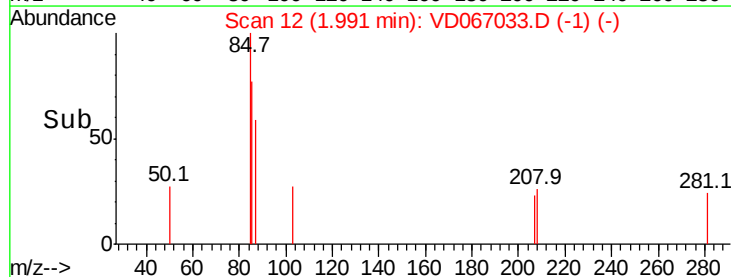
1.99

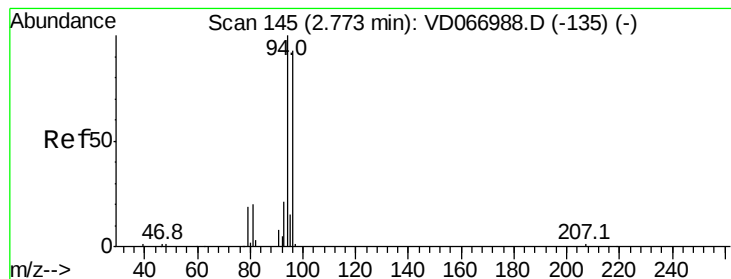
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

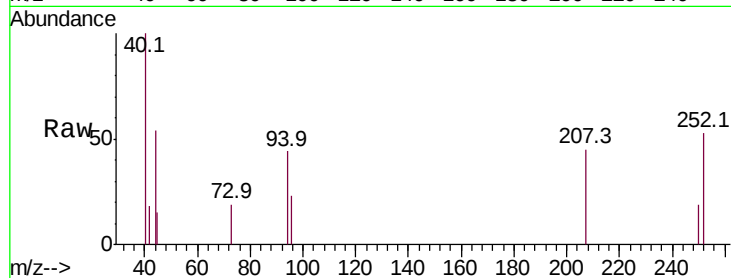
B-15(3-4)

Tot Ion: 94 Resp: 474

Ion Ratio Lower Upper

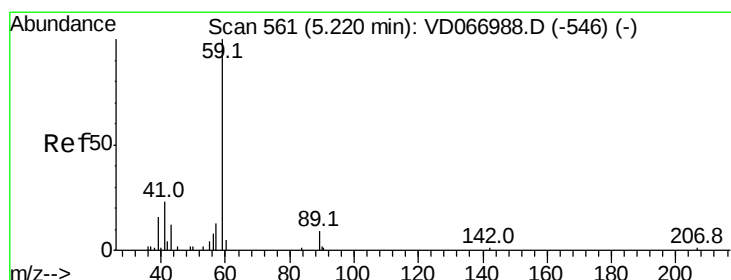
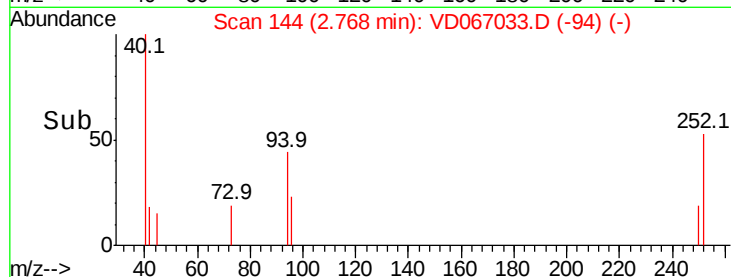
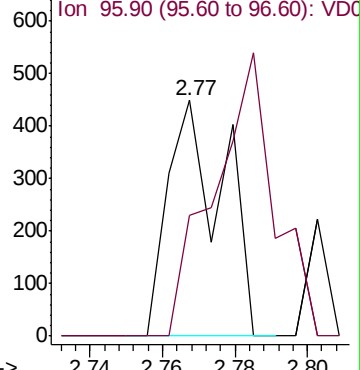
94 100

96 51.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD067033.D

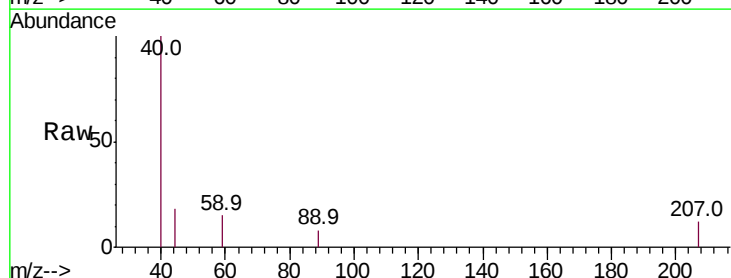
Acq: 02 Oct 2020 14:10

Tgt Ion: 59 Resp: 259

Ion Ratio Lower Upper

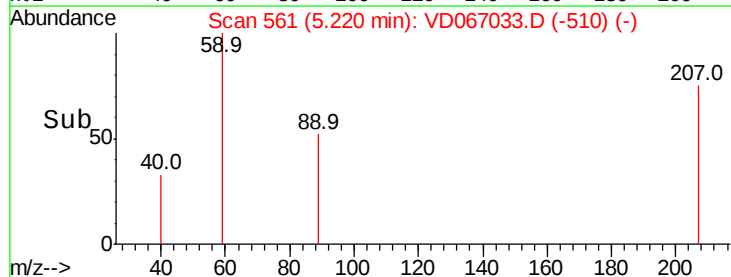
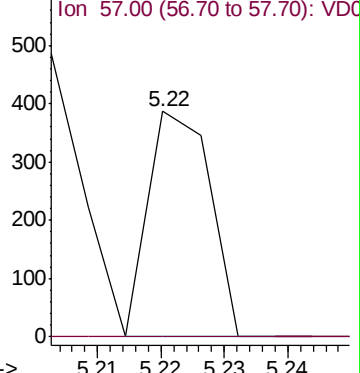
59 100

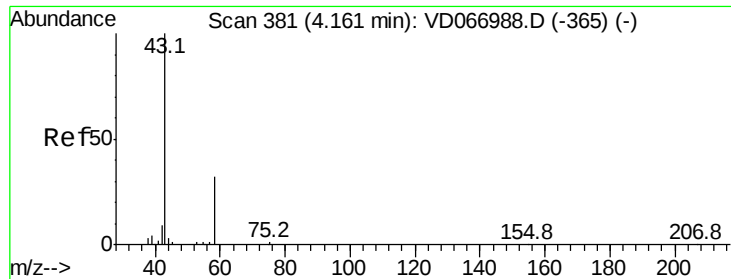
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.885 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

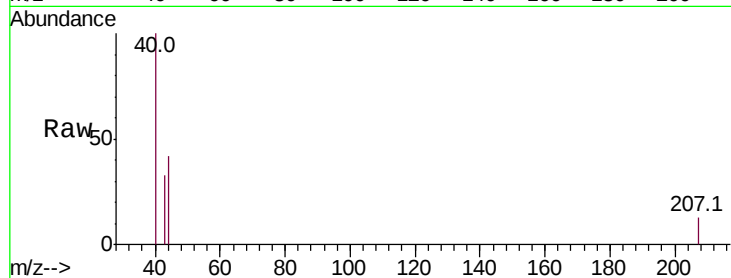
B-15(3-4)

Tot Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

800

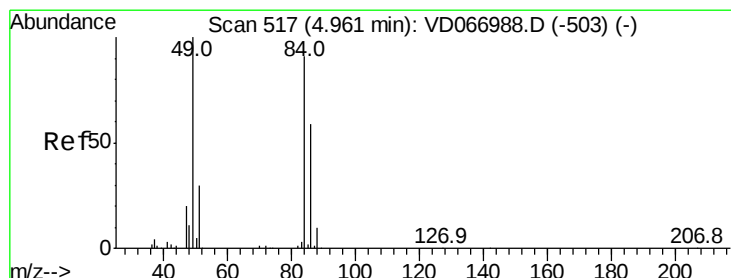
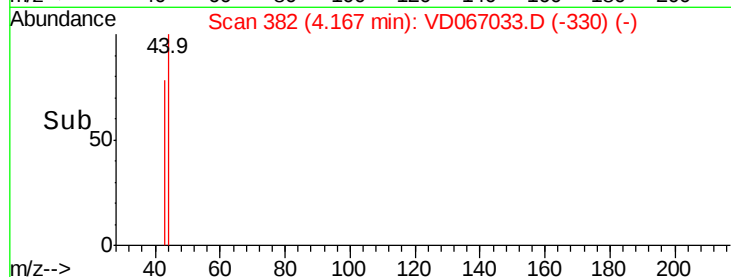
600

400

200

0

Time--> 4.10 4.15 4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

Tgt Ion: 84 Resp: 16911

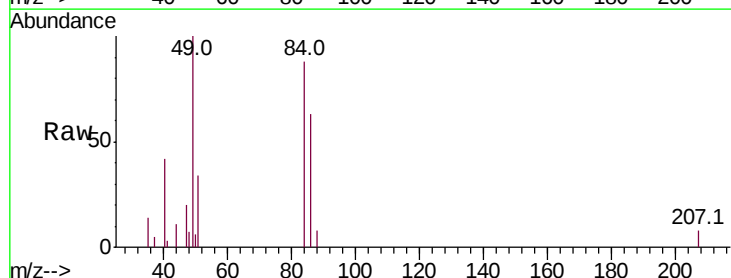
Ion Ratio Lower Upper

84 100

49 113.1 88.2 132.2

51 38.1 26.6 39.8

86 71.2 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

8000

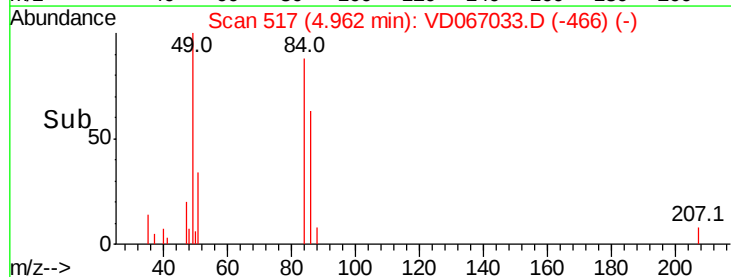
6000

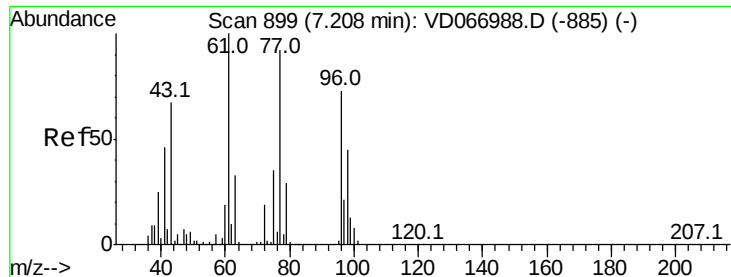
4000

2000

0

Time--> 4.90 5.00

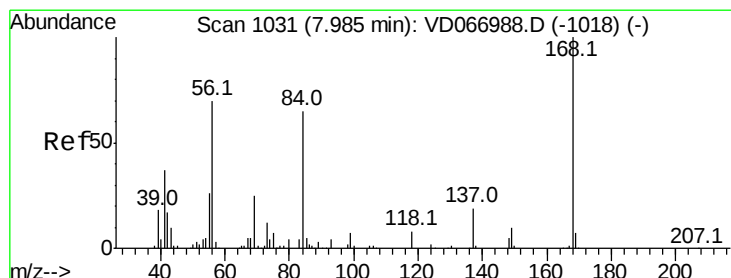
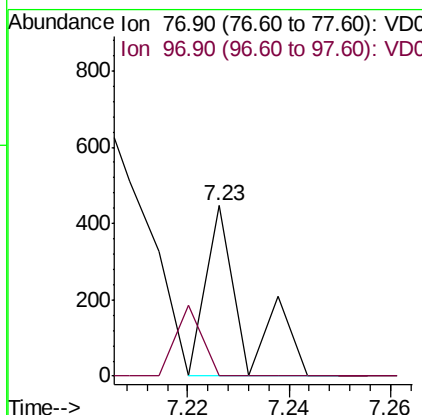
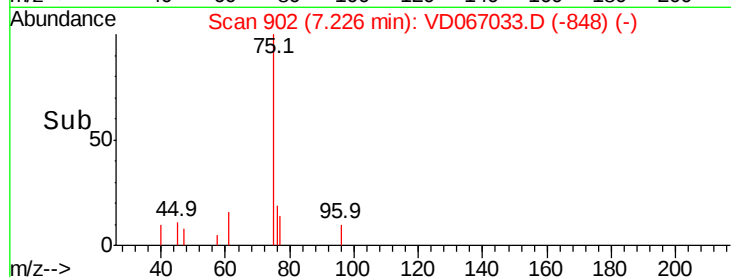
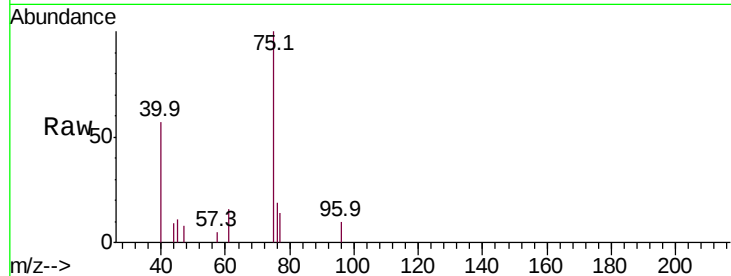




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.23 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD067033.D
Acq: 02 Oct 2020 14:10

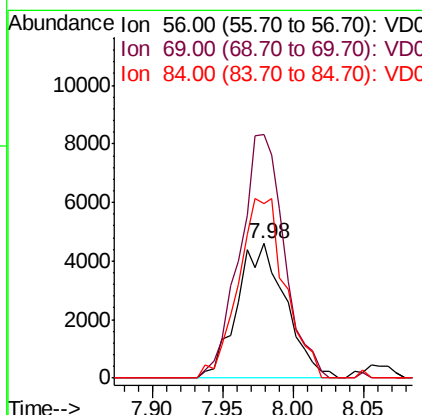
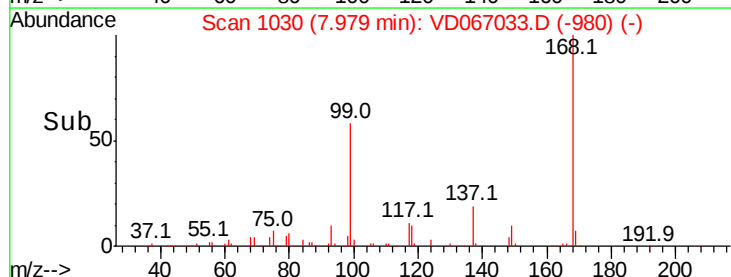
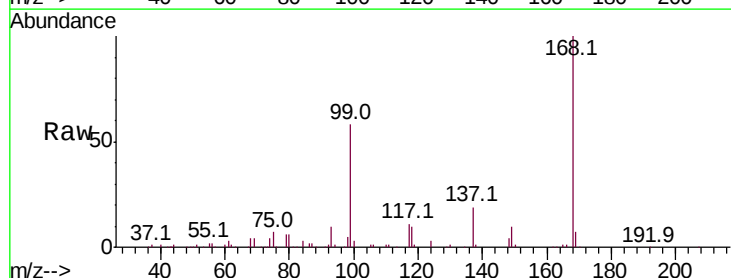
Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)

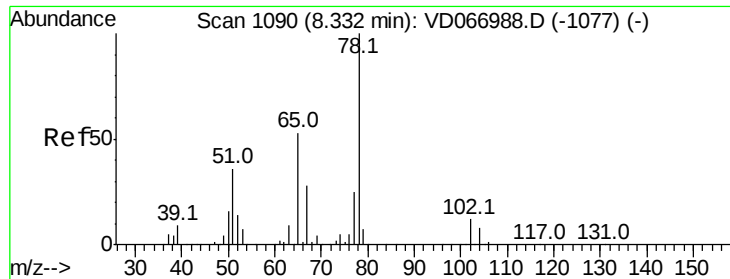
Tot Ion: 77 Resp: 232
Ion Ratio Lower Upper
77 100
97 28.0 11.4 34.2



#31
Cyclohexane
Concen: 1.628 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067033.D
Acq: 02 Oct 2020 14:10

Tgt Ion: 56 Resp: 11079
Ion Ratio Lower Upper
56 100
69 180.7 29.0 43.6#
84 129.2 74.2 111.2#

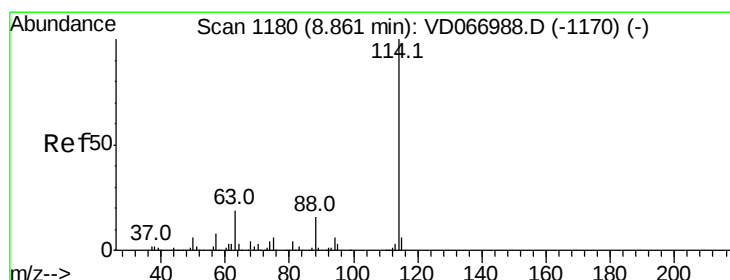
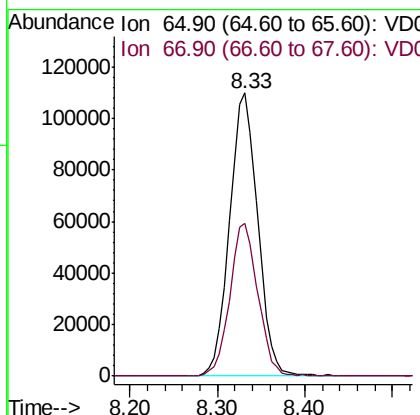
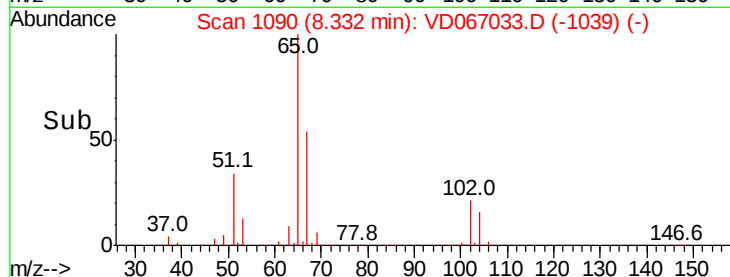
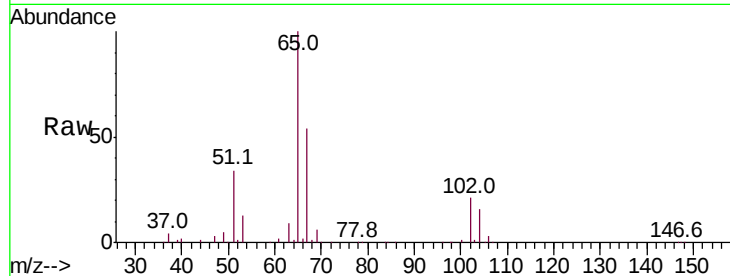




#33
 1,2-Dichloroethane-d4
 Concen: 53.020 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067033.D
 Acq: 02 Oct 2020 14:10

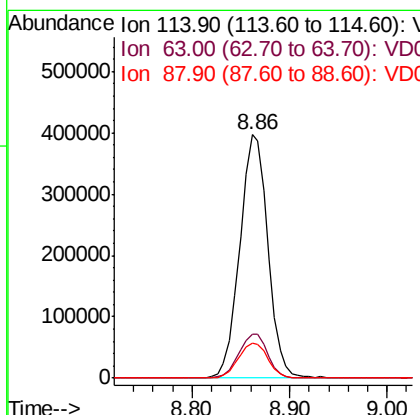
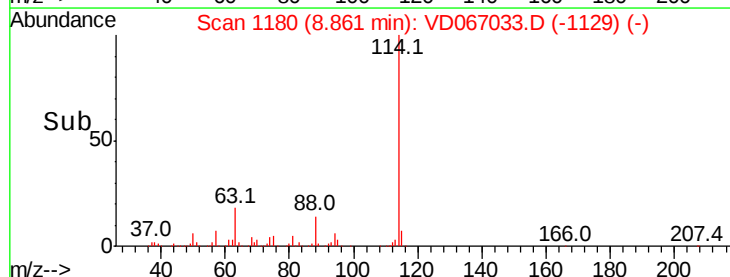
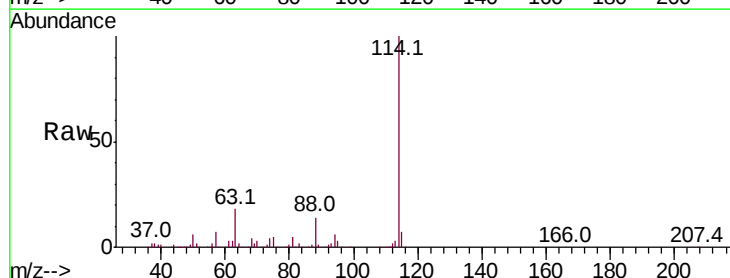
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)

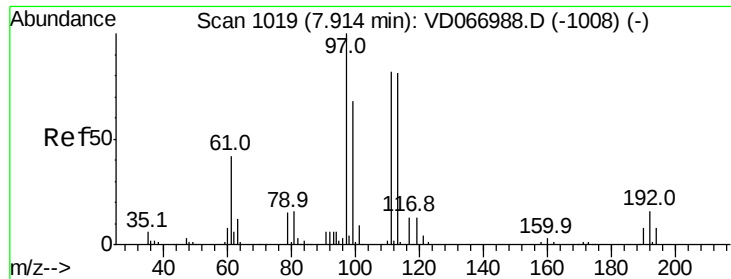
Tot Ion: 65 Resp: 240275
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067033.D
 Acq: 02 Oct 2020 14:10

Tgt Ion: 114 Resp: 797911
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 38.4
 88 14.4 0.0 31.2

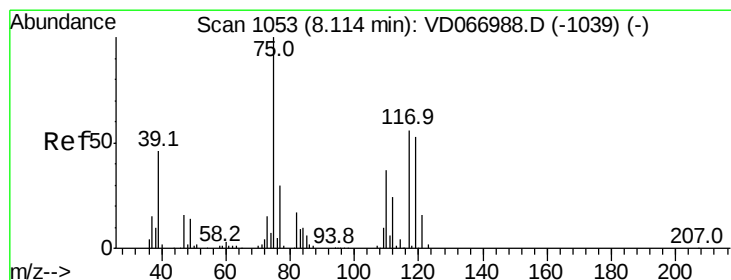
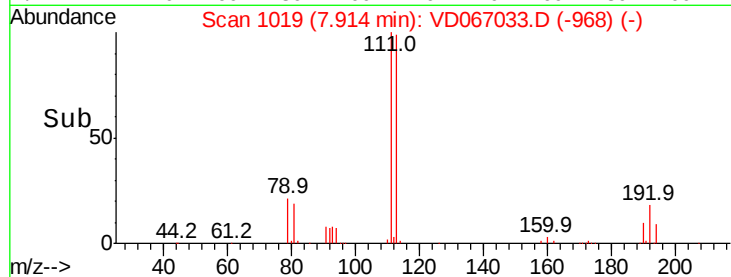
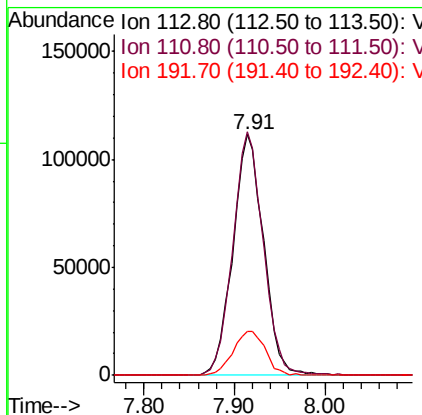
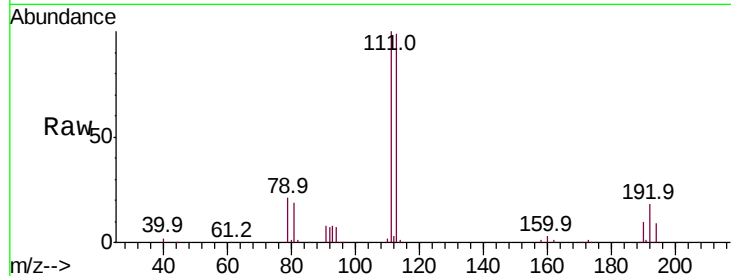




#35
 Dibromofluoromethane
 Concen: 50.183 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067033.D
 Acq: 02 Oct 2020 14:10

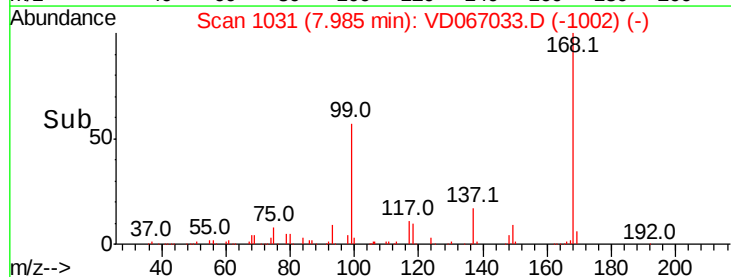
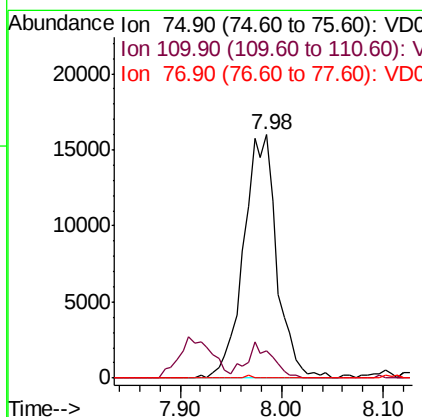
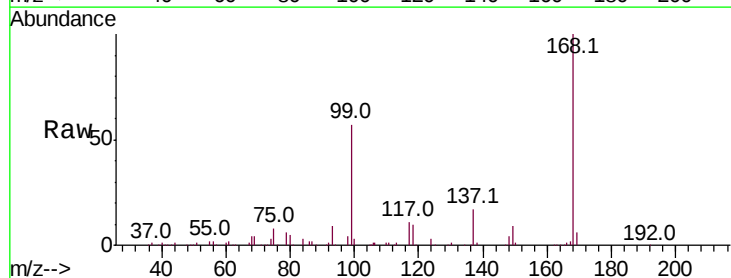
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)

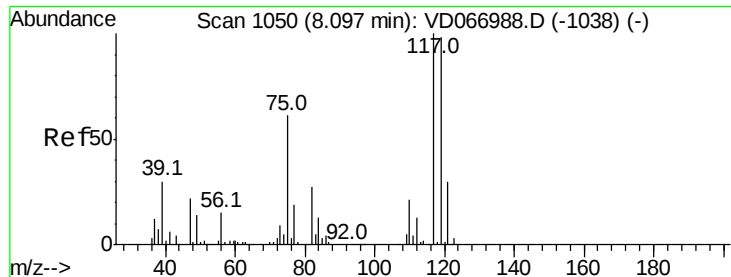
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.0	124.4
192	19.2	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067033.D
 Acq: 02 Oct 2020 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.4	55.0#
77	0.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.951 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)

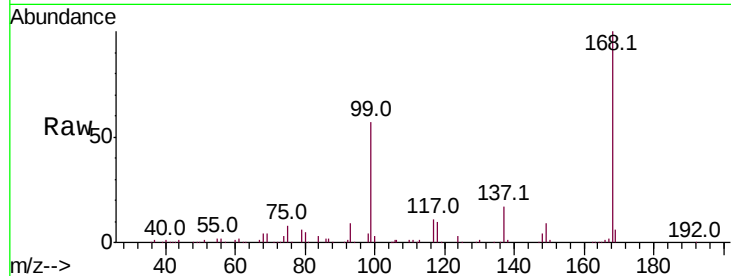
Tot Ion:117 Resp: 47886

Ion Ratio Lower Upper

117 100

119 3.3 78.7 118.1#

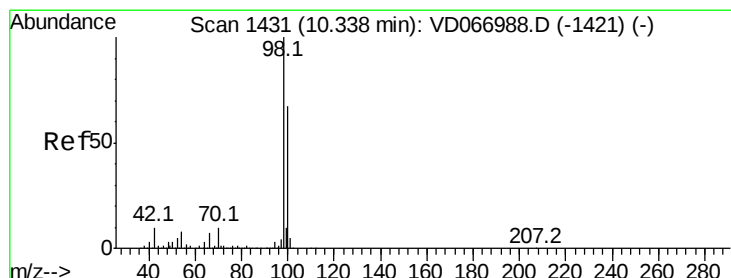
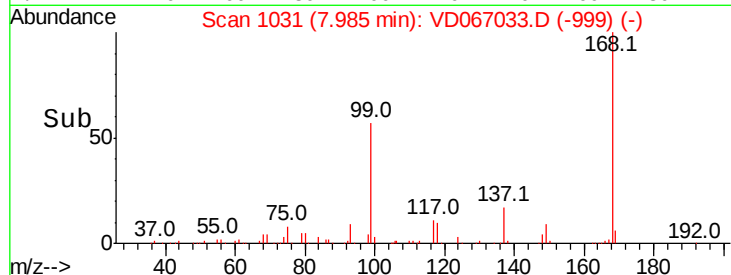
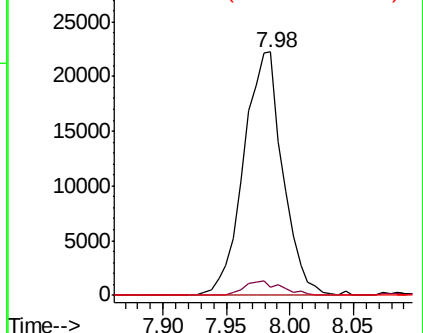
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.312 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067033.D

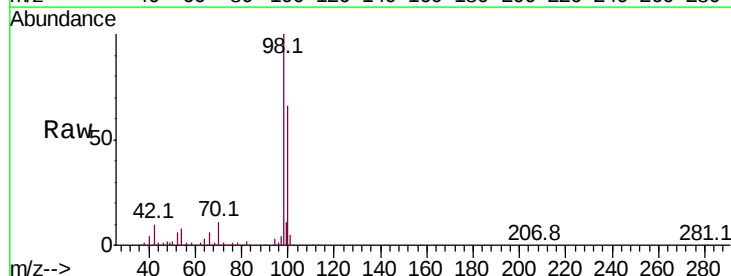
Acq: 02 Oct 2020 14:10

Tgt Ion: 98 Resp: 938635

Ion Ratio Lower Upper

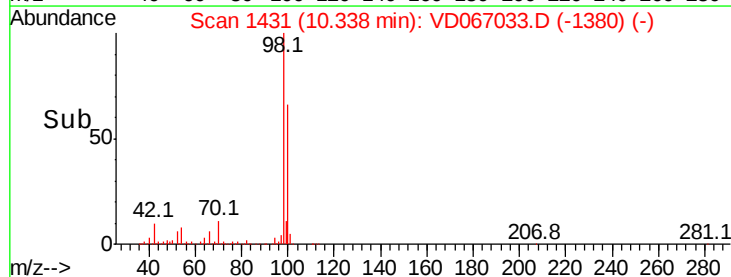
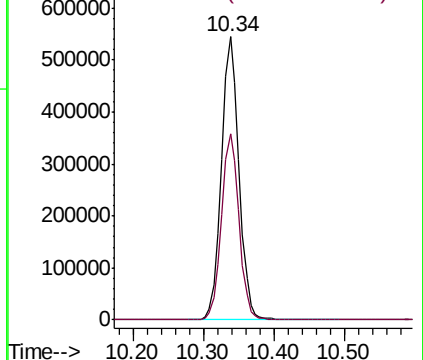
98 100

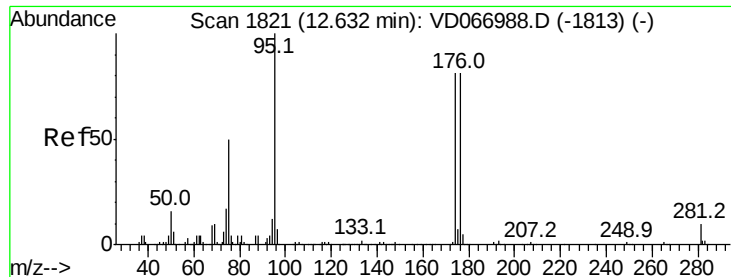
100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.413 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)

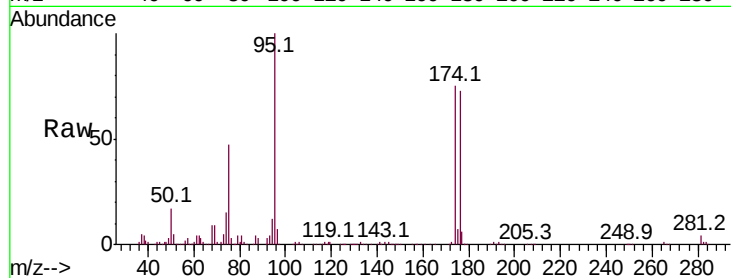
Tot Ion: 95 Resp: 293450

Ion Ratio Lower Upper

95 100

174 84.3 0.0 167.6

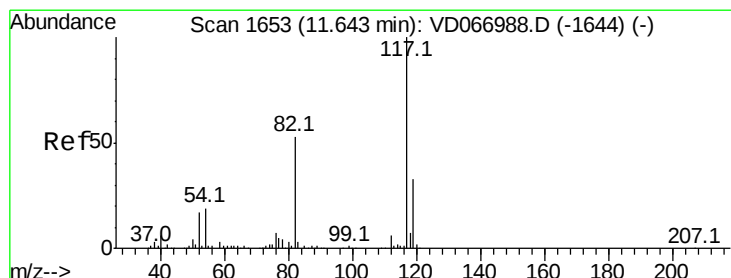
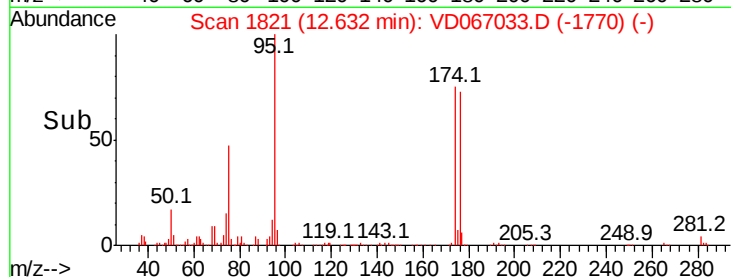
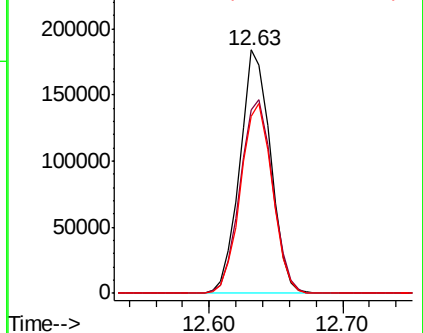
176 80.5 0.0 162.4



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

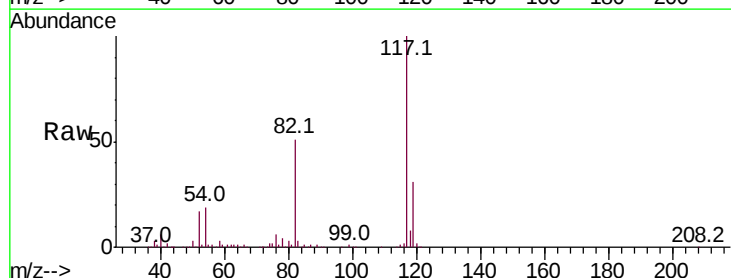
Tgt Ion: 117 Resp: 724660

Ion Ratio Lower Upper

117 100

82 51.1 42.6 63.8

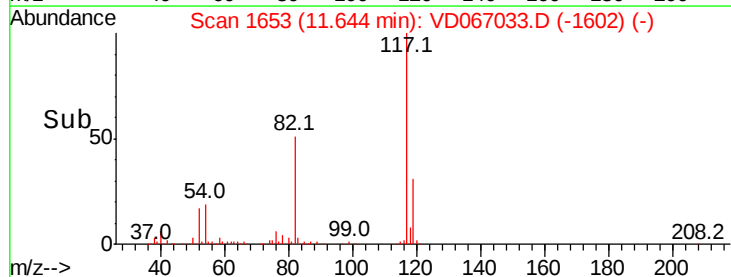
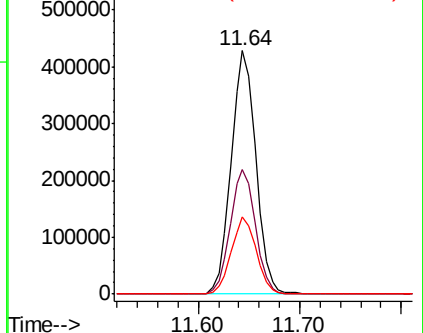
119 31.5 26.3 39.5

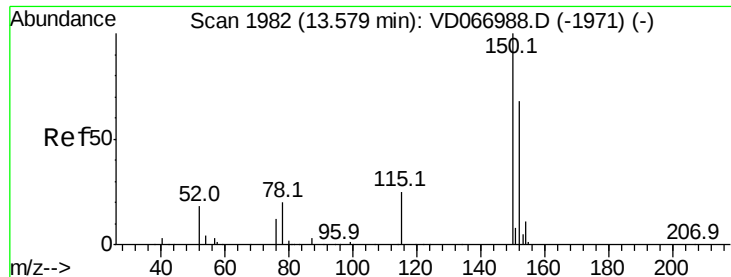


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)

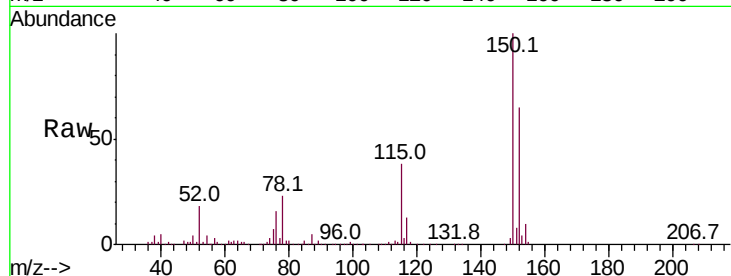
Tot Ion:152 Resp: 318657

Ion Ratio Lower Upper

152 100

115 57.7 29.6 88.8

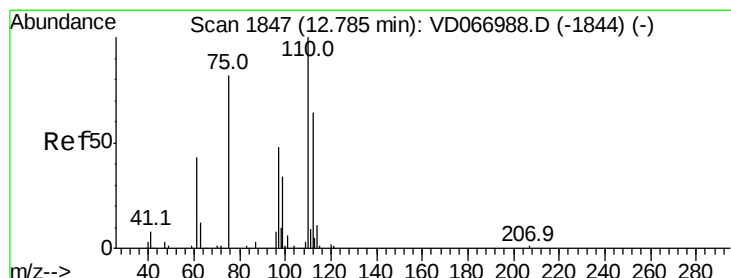
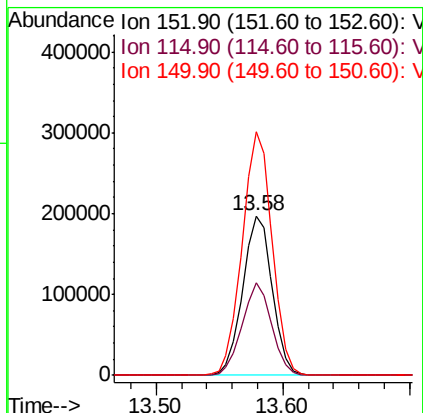
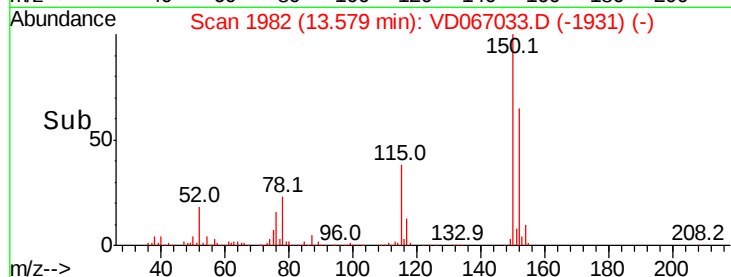
150 154.7 0.0 344.8



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: 53.936 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067033.D

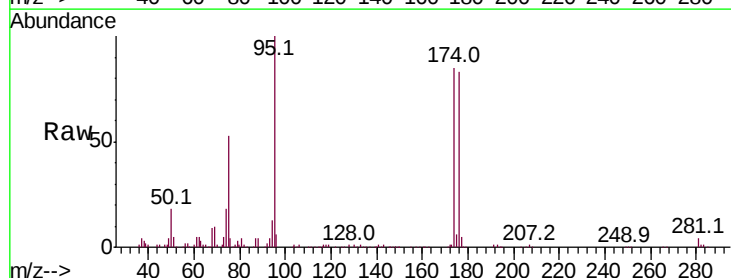
Acq: 02 Oct 2020 14:10

Tgt Ion: 75 Resp: 149704

Ion Ratio Lower Upper

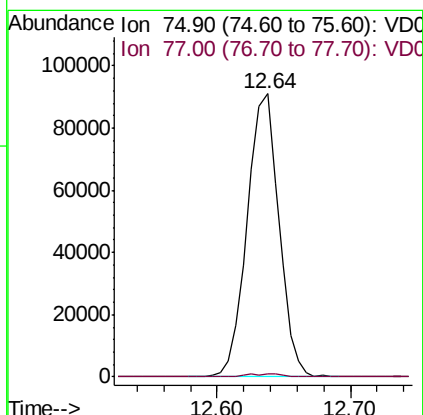
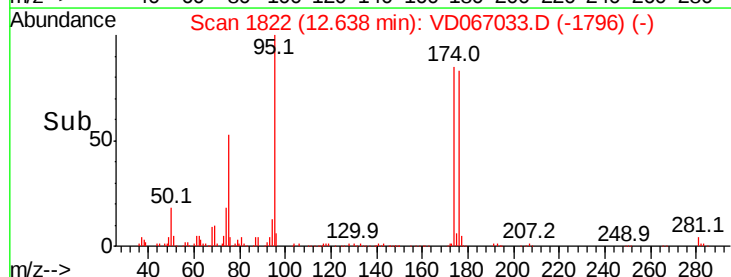
75 100

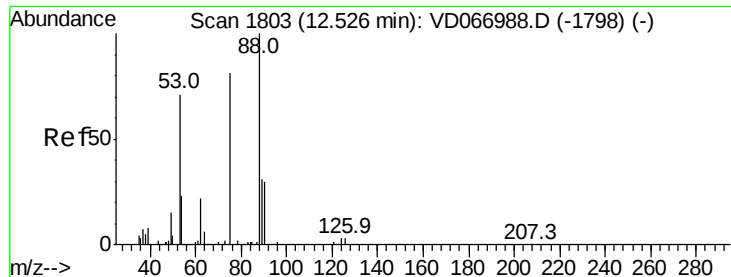
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 134.468 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067033.D

Acq: 02 Oct 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)

Tot Ion: 75 Resp: 149704

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.0 38.9 58.3#

