

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067022.D
 Acq On : 02 Oct 2020 06:05
 Operator : VA/SY
 Sample : L4213-05
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(13-14)

Quant Time: Oct 02 06:57:47 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	438484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	758535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	700641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304020	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	227370	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
35) Dibromofluoromethane	7.91	113	229817	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
50) Toluene-d8	10.34	98	907719	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.63	95	280725	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

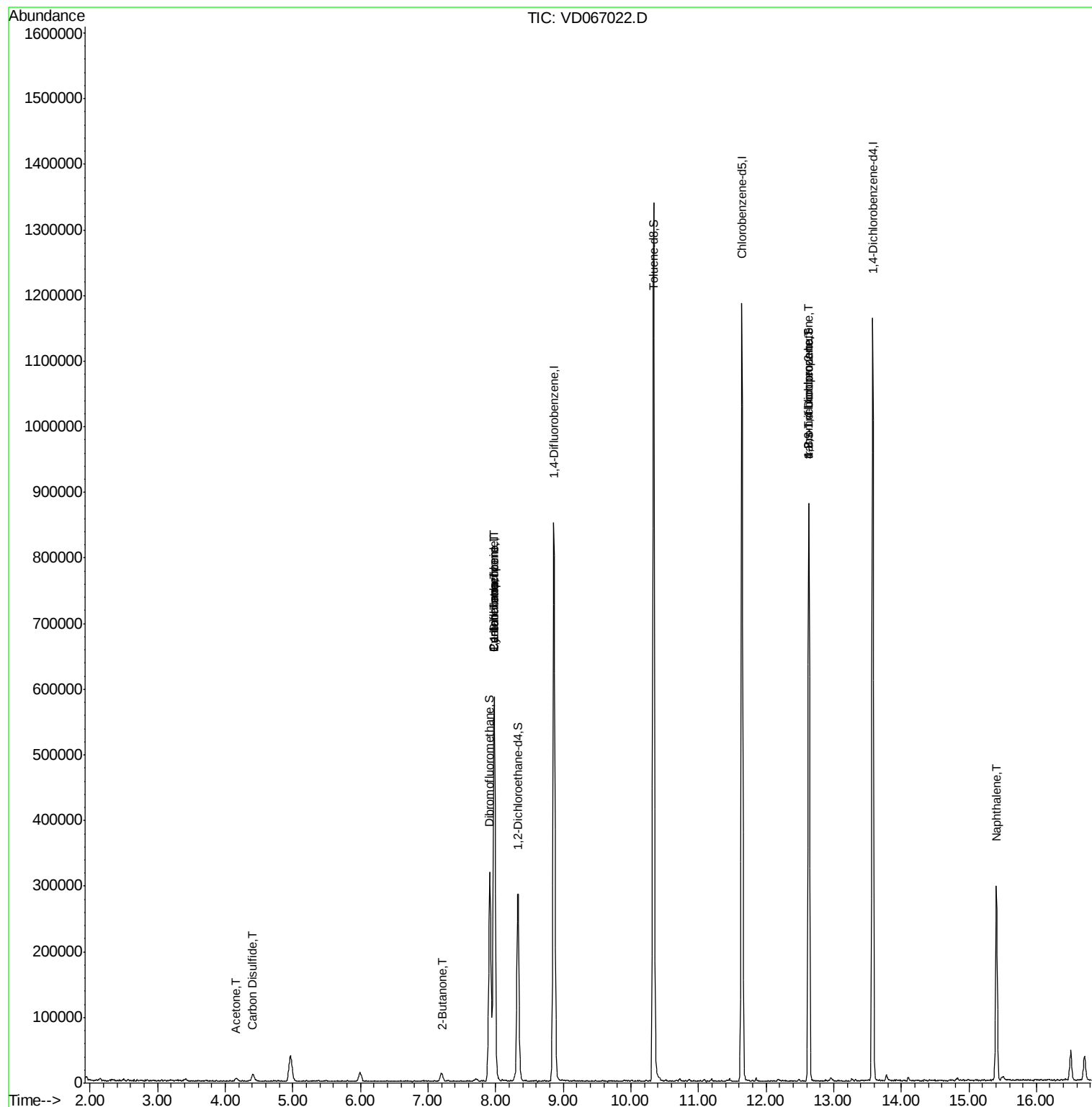
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	423	Below Cal	#	14
5) Bromomethane	2.79	94	116	Below Cal	#	52
11) Tert butyl alcohol	5.22	59	64	Below Cal	#	72
16) Acetone	4.16	43	7119	11.042	ug/l #	81
17) Carbon Disulfide	4.41	76	24124	1.902	ug/l	99
25) 2-Butanone	7.21	43	1227	1.342	ug/l #	74
26) 2,2-Dichloropropane	7.20	77	993	Below Cal	#	53
31) Cyclohexane	7.98	56	9384	1.479	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33962	4.803	ug/l #	52
38) Carbon Tetrachloride	7.97	117	46116	6.028	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	141587	53.467	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	141587	133.300	ug/l #	12
95) Naphthalene	15.41	128	257665	28.165	ug/l	99

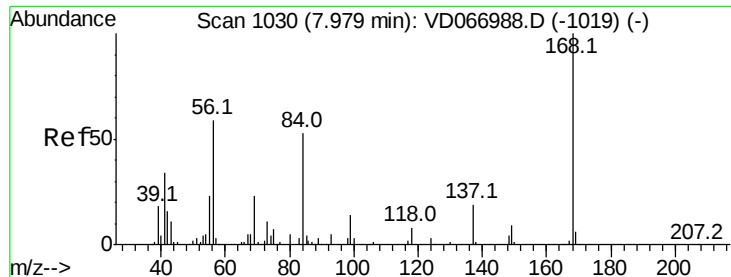
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
Data File : VD067022.D
Acq On : 02 Oct 2020 06:05
Operator : VA/SY
Sample : L4213-05
Misc : 5.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-15(13-14)

Quant Time: Oct 02 06:57:47 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: VD067022.D

Acq: 02 Oct 2020 06:05

Instrument :

MSVOA_D

ClientSampleId :

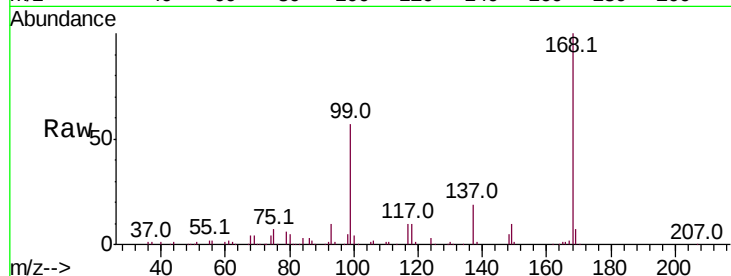
B-15(13-14)

Tot Ion:168 Resp: 438484

Ion Ratio Lower Upper

168 100

99 56.8 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

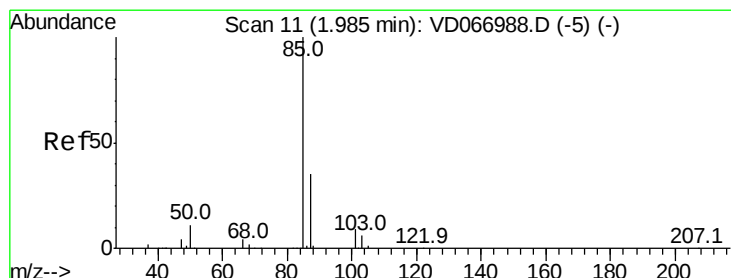
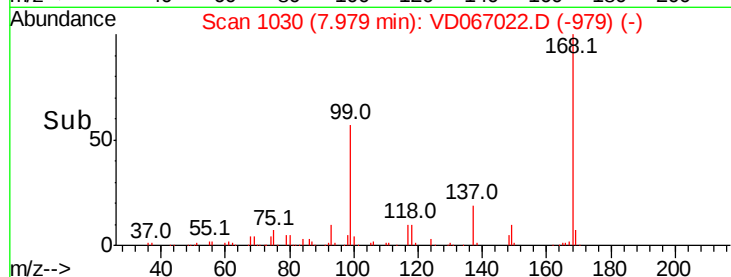
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067022.D

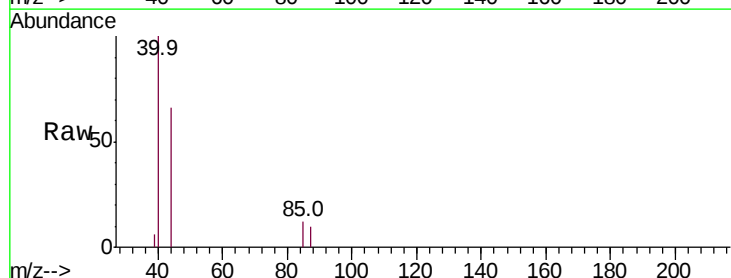
Acq: 02 Oct 2020 06:05

Tgt Ion: 85 Resp: 423

Ion Ratio Lower Upper

85 100

87 84.4 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

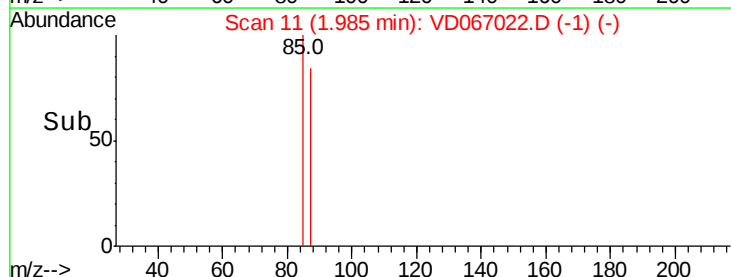
300

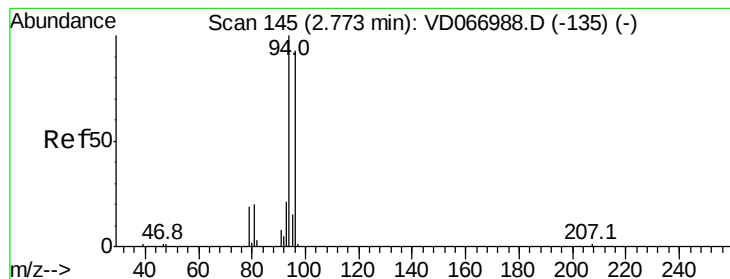
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067022.D

Acq: 02 Oct 2020 06:05

Instrument :

MSVOA_D

ClientSampleId :

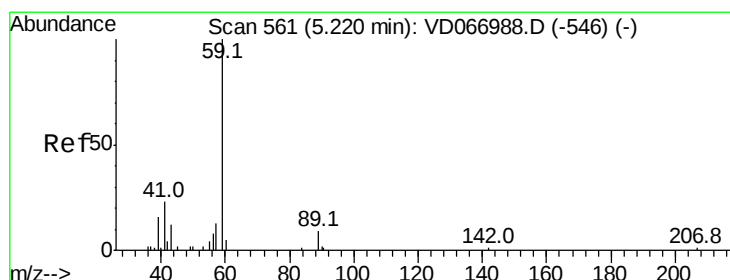
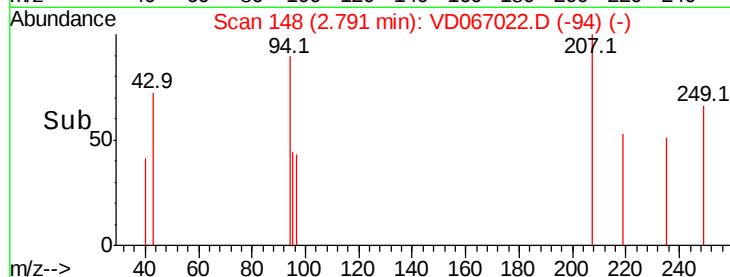
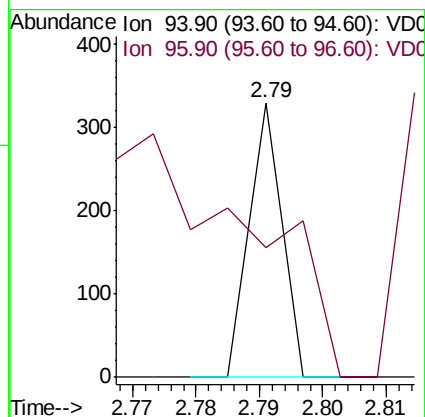
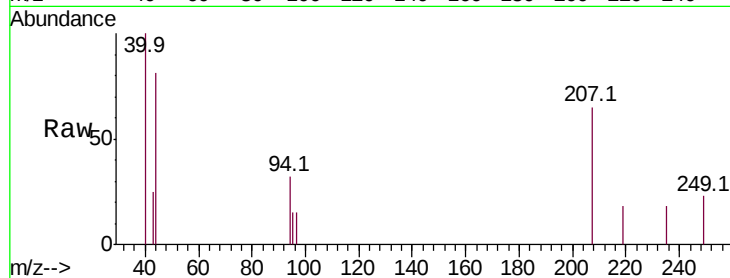
B-15(13-14)

Tot Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 47.1 74.6 112.0#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD067022.D

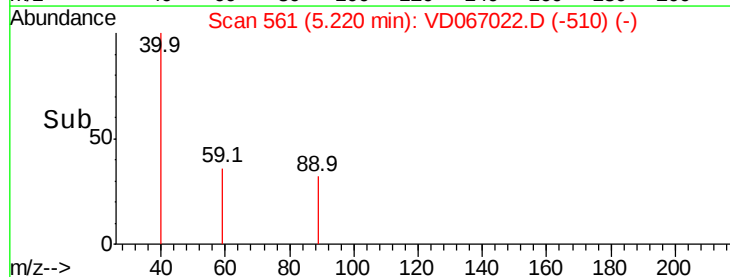
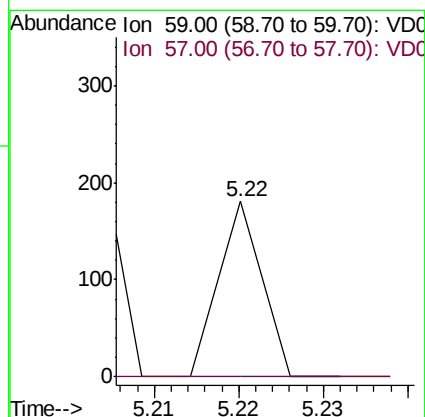
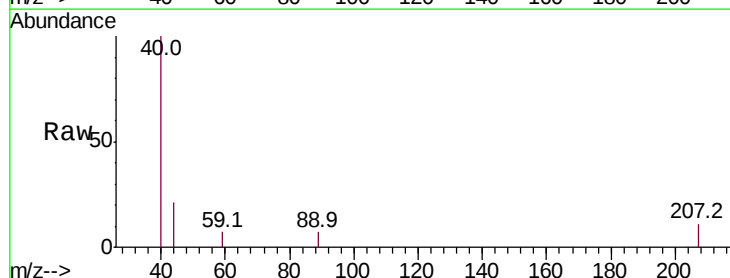
Acq: 02 Oct 2020 06:05

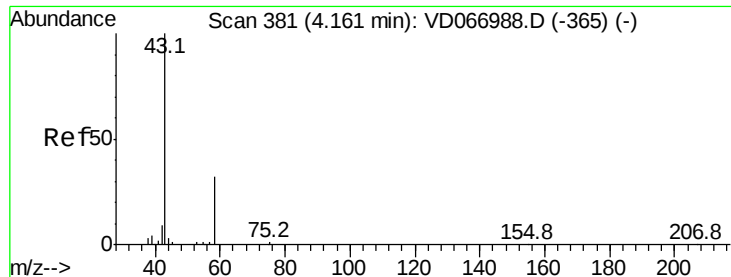
Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 11.042 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067022.D

Acq: 02 Oct 2020 06:05

Instrument :

MSVOA_D

ClientSampleId :

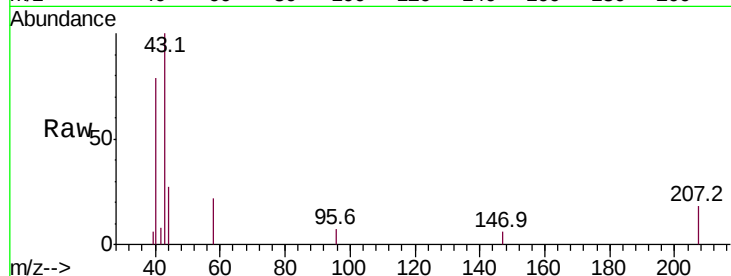
B-15(13-14)

Tot Ion: 43 Resp: 7119

Ion Ratio Lower Upper

43 100

58 21.7 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

3000

2500

2000

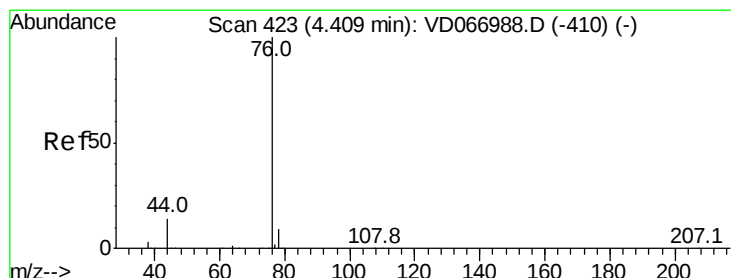
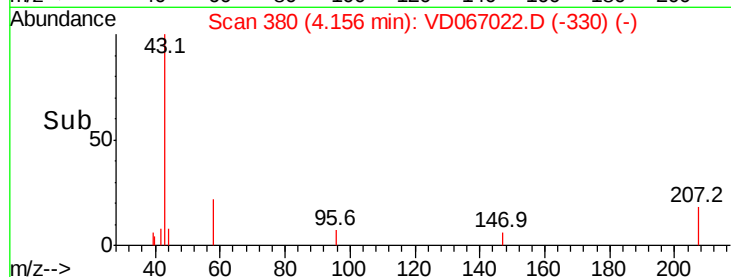
1500

1000

500

0

Time--> 4.05 4.10 4.15 4.20 4.25



#17

Carbon Disulfide

Concen: 1.902 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067022.D

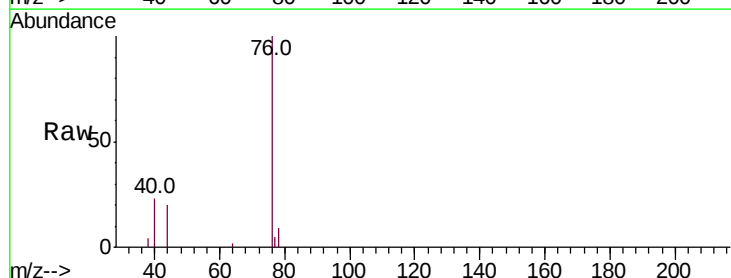
Acq: 02 Oct 2020 06:05

Tgt Ion: 76 Resp: 24124

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

10000

8000

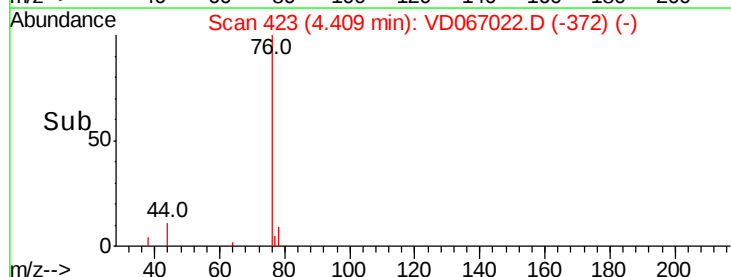
6000

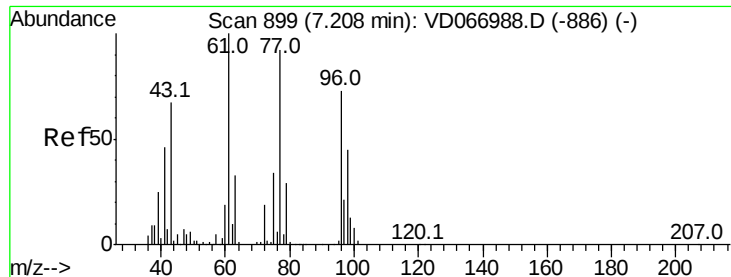
4000

2000

0

Time--> 4.30 4.40 4.50





#25

2-Butanone

Concen: 1.342 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD067022.D

Acq: 02 Oct 2020 06:05

Instrument :

MSVOA_D

ClientSampleId :

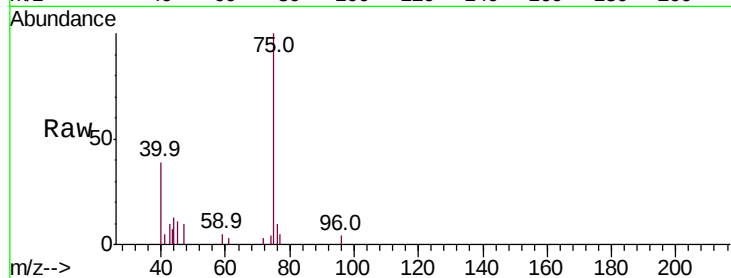
B-15(13-14)

Tot Ion: 43 Resp: 1227

Ion Ratio Lower Upper

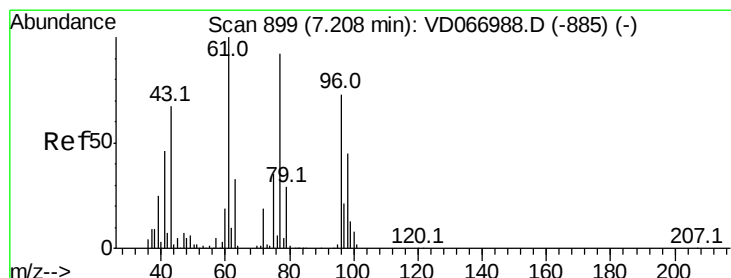
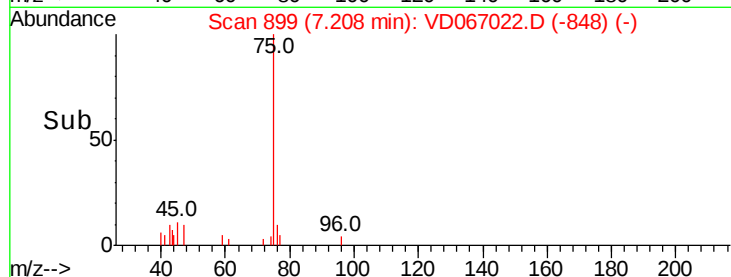
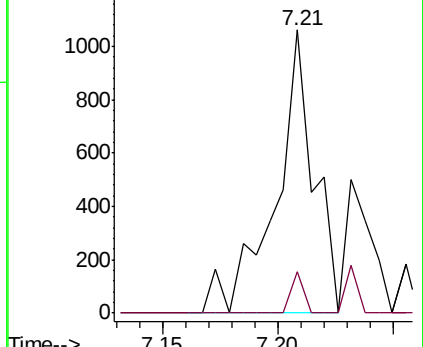
43 100

72 14.6 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067022.D

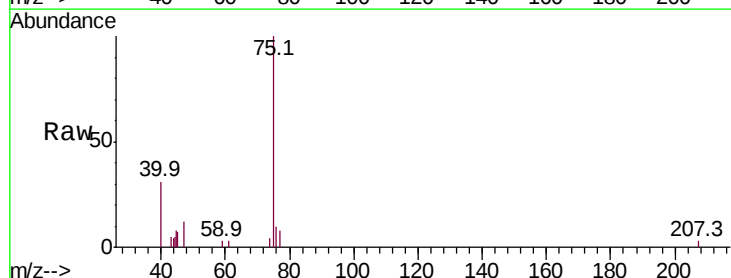
Acq: 02 Oct 2020 06:05

Tgt Ion: 77 Resp: 993

Ion Ratio Lower Upper

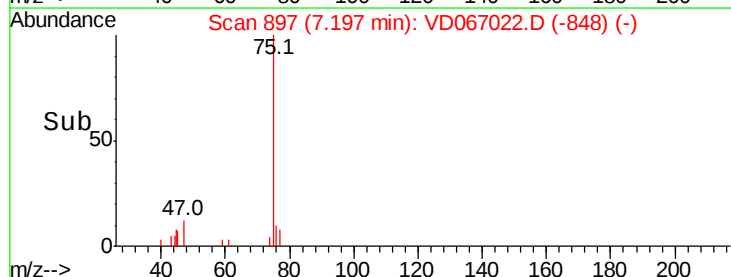
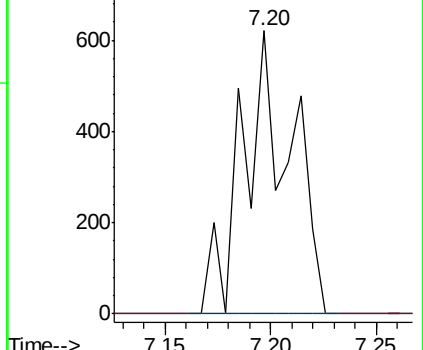
77 100

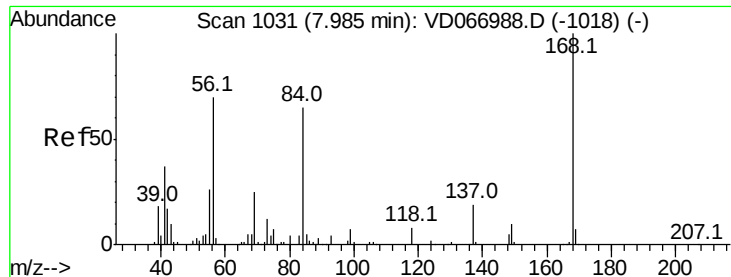
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

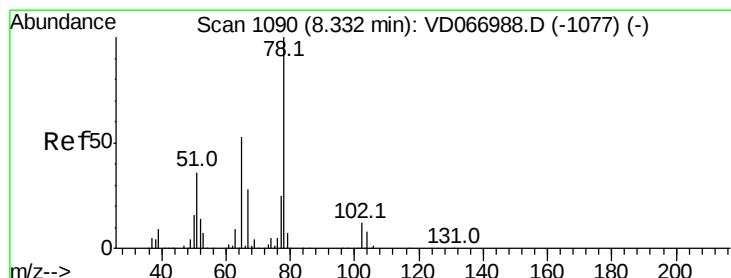
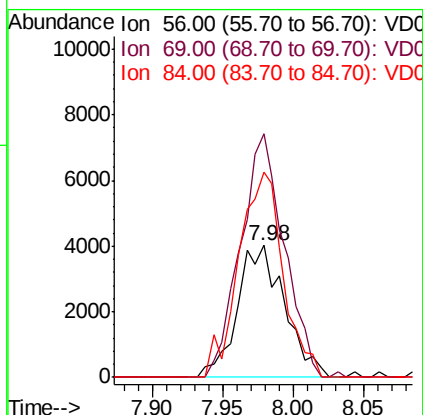
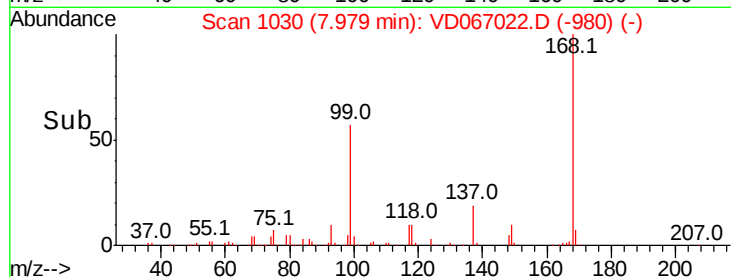
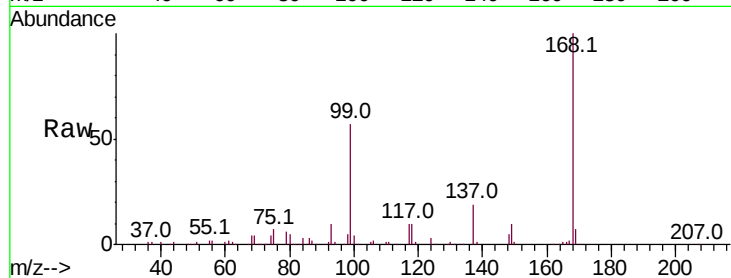




#31
Cyclohexane
Concen: 1.479 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067022.D
Acq: 02 Oct 2020 06:05

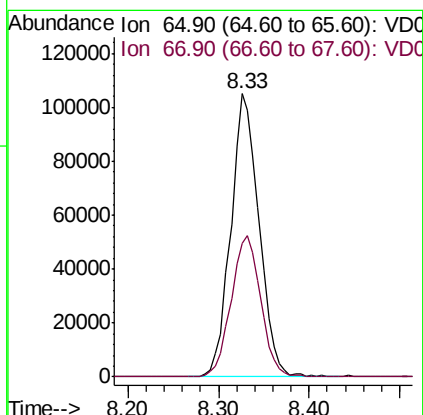
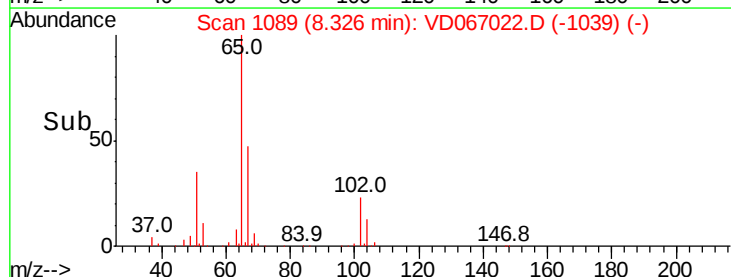
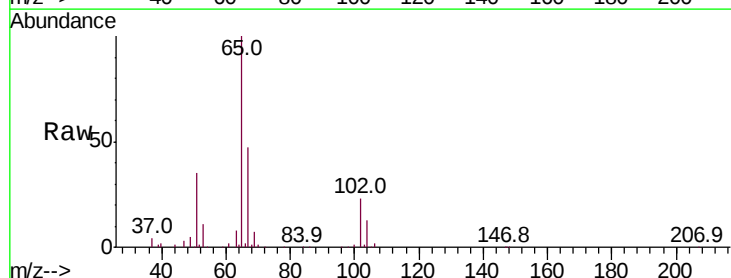
Instrument :
MSVOA_D
ClientSampleID :
B-15(13-14)

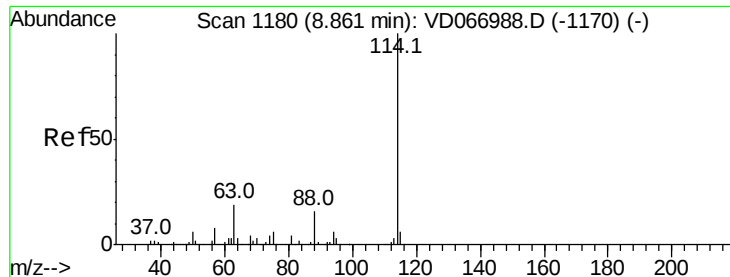
Tot Ion: 56 Resp: 9384
Ion Ratio Lower Upper
56 100
69 184.2 29.0 43.6#
84 155.5 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 53.835 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD067022.D
Acq: 02 Oct 2020 06:05

Tgt Ion: 65 Resp: 227370
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8

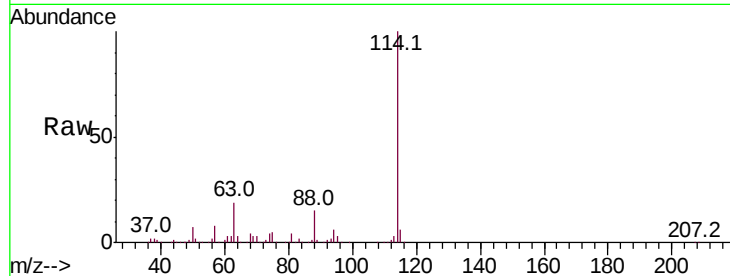




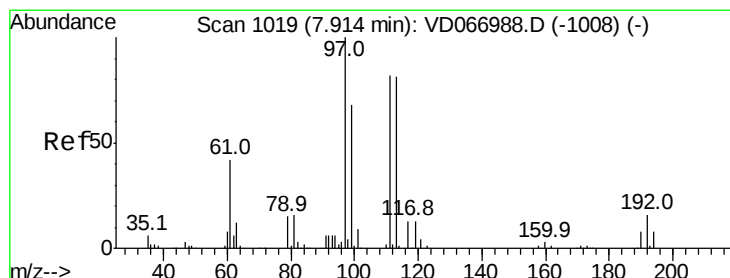
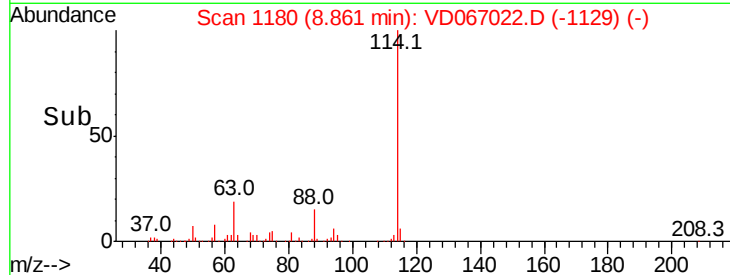
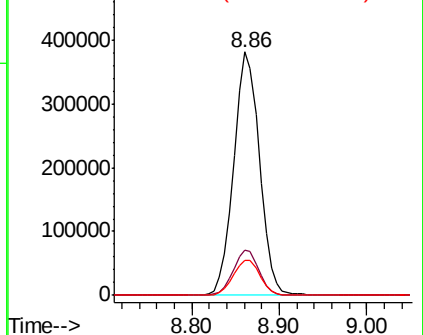
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067022.D
 Acq: 02 Oct 2020 06:05

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(13-14)

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	14.5	0.0	31.2

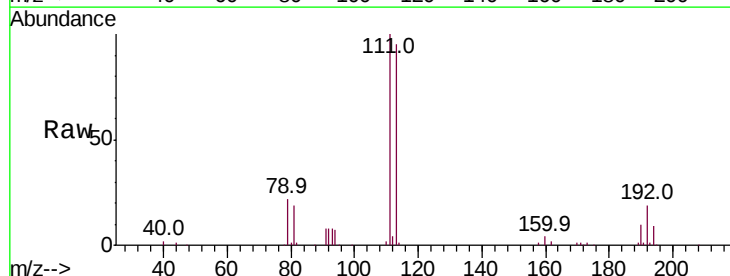


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

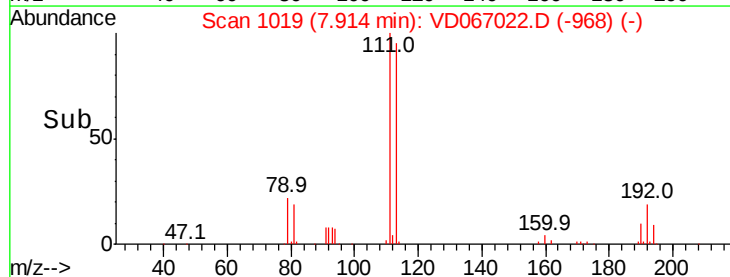
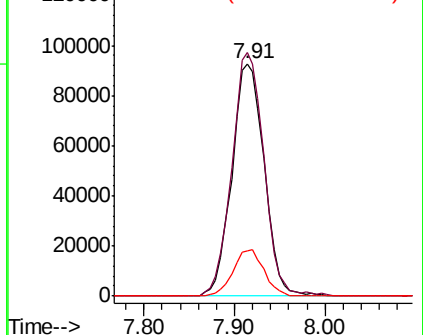


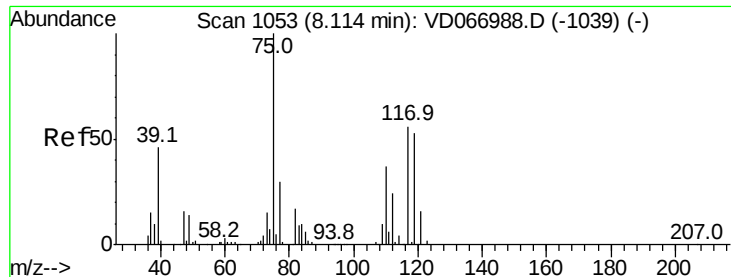
#35
 Dibromofluoromethane
 Concen: 46.278 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067022.D
 Acq: 02 Oct 2020 06:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.0	124.4
192	19.4	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

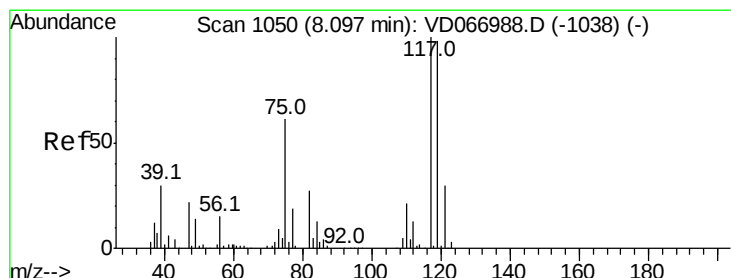
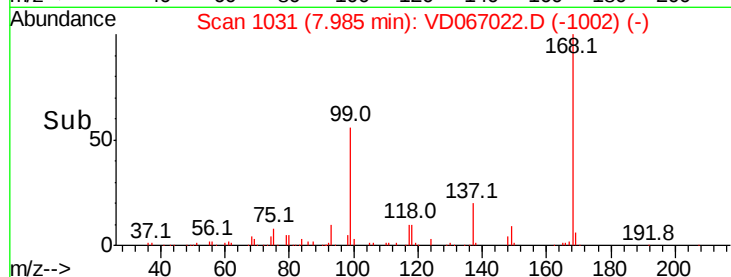
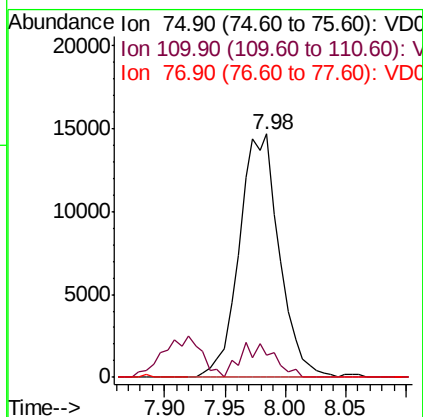
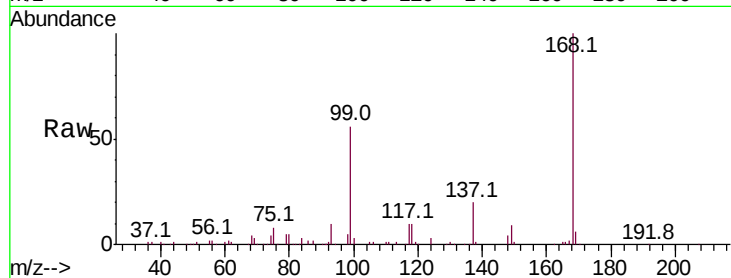




#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067022.D
 Acq: 02 Oct 2020 06:05

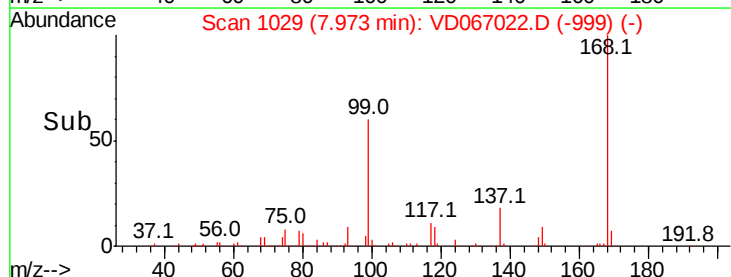
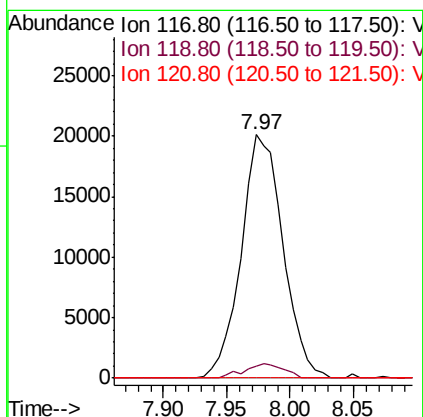
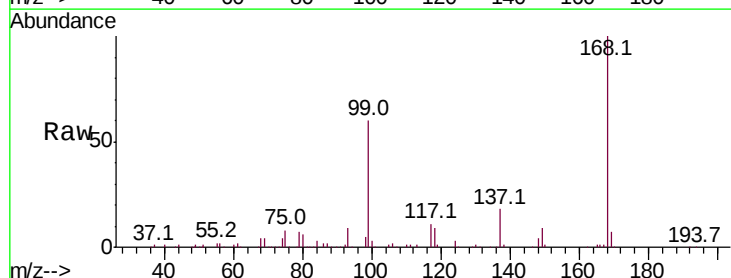
Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(13-14)

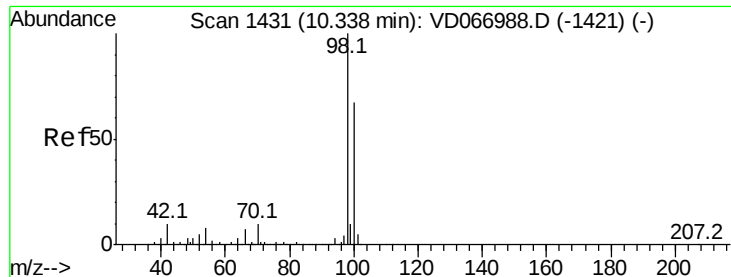
Tot Ion: 75 Resp: 33962
 Ion Ratio Lower Upper
 75 100
 110 12.0 18.4 55.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.028 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD067022.D
 Acq: 02 Oct 2020 06:05

Tgt Ion: 117 Resp: 46116
 Ion Ratio Lower Upper
 117 100
 119 5.1 78.7 118.1#
 121 0.0 24.2 36.2#

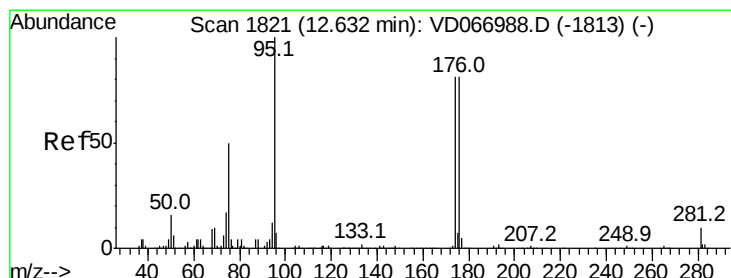
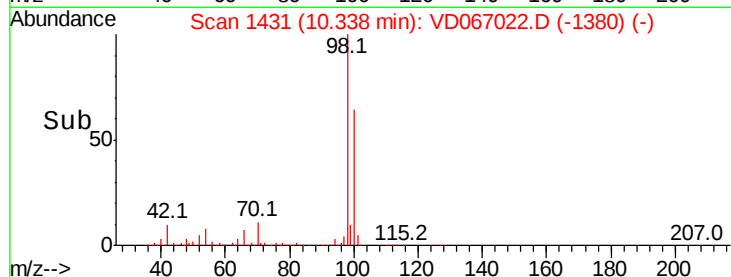
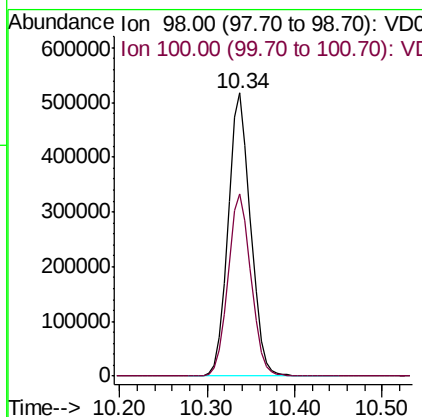
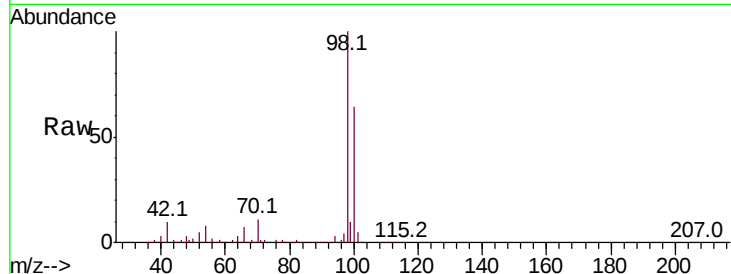




#50
Toluene-d8
Concen: 50.163 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067022.D
Acq: 02 Oct 2020 06:05

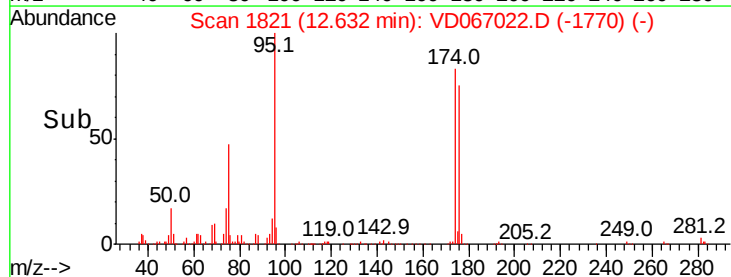
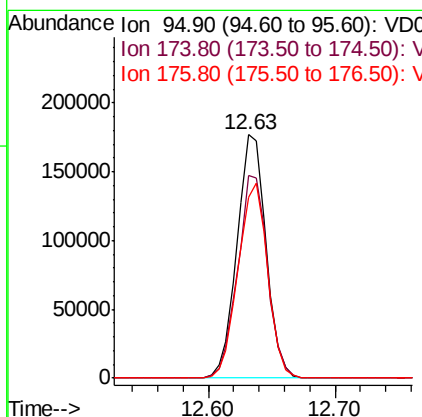
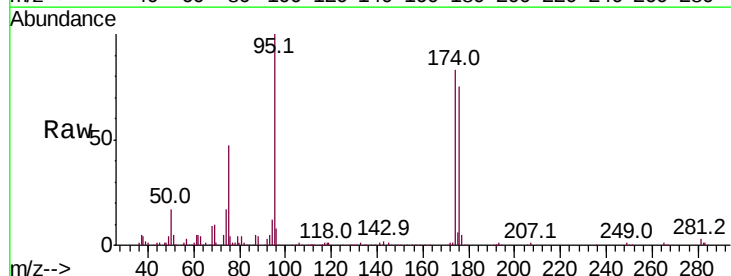
Instrument :
MSVOA_D
ClientSampleId :
B-15(13-14)

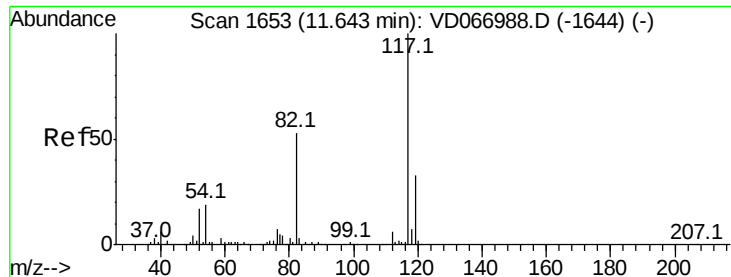
Tot Ion: 98 Resp: 907719
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.699 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067022.D
Acq: 02 Oct 2020 06:05

Tgt Ion: 95 Resp: 280725
Ion Ratio Lower Upper
95 100
174 85.0 0.0 167.6
176 81.5 0.0 162.4

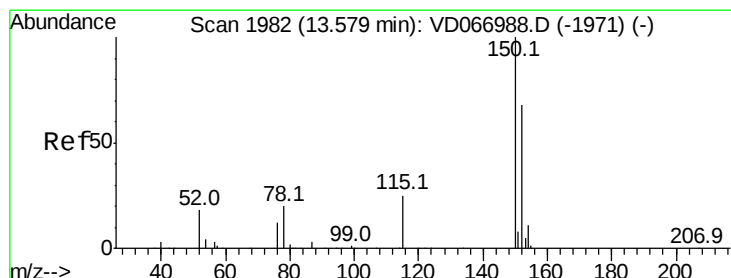
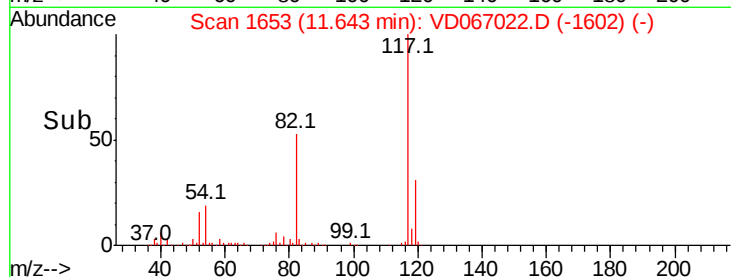
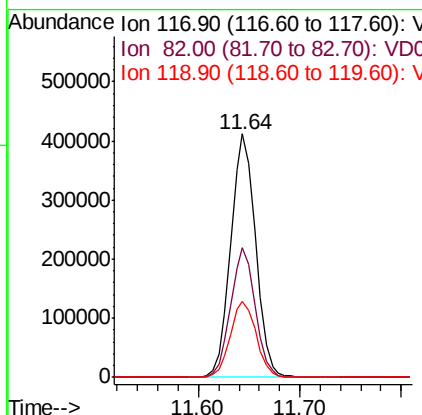
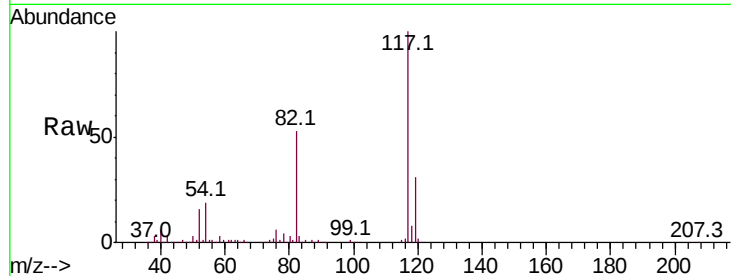




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067022.D
Acq: 02 Oct 2020 06:05

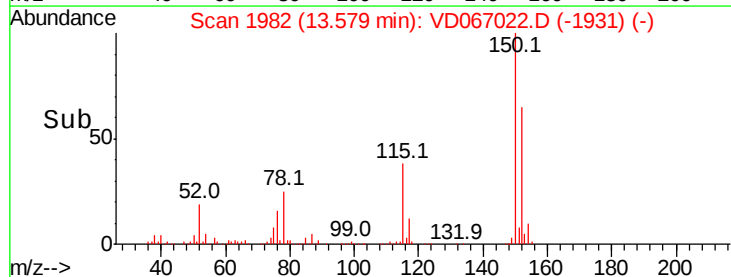
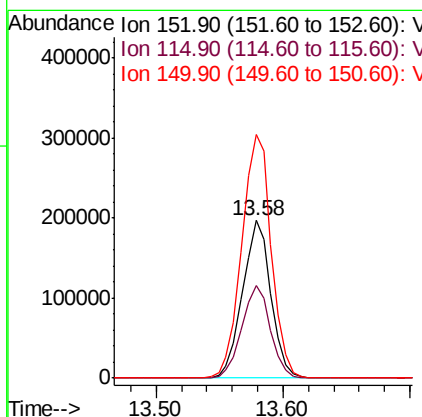
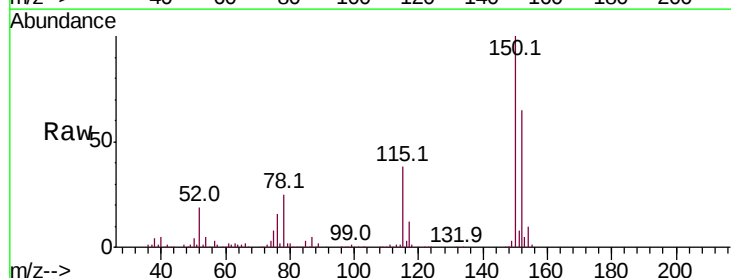
Instrument :
MSVOA_D
ClientSampleId :
B-15(13-14)

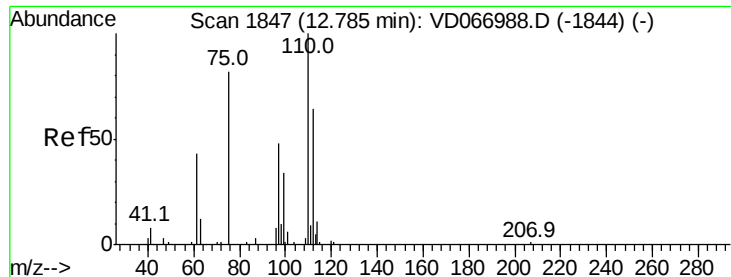
Tot Ion:117 Resp: 700641
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 31.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067022.D
Acq: 02 Oct 2020 06:05

Tgt Ion:152 Resp: 304020
Ion Ratio Lower Upper
152 100
115 59.4 29.6 88.8
150 161.0 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 53.467 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067022.D

Acq: 02 Oct 2020 06:05

Instrument :

MSVOA_D

ClientSampleId :

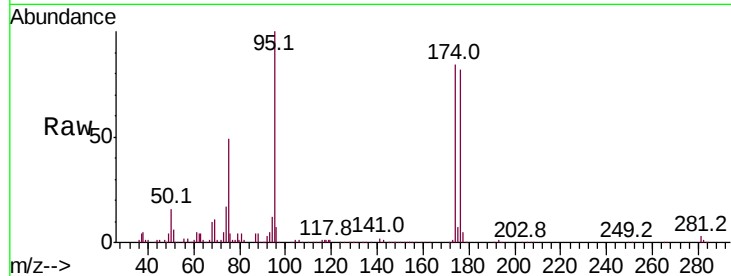
B-15(13-14)

Tot Ion: 75 Resp: 141587

Ion Ratio Lower Upper

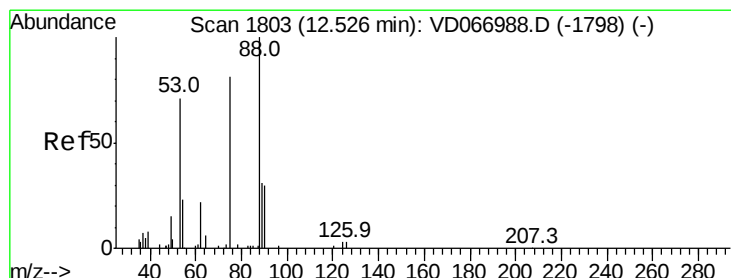
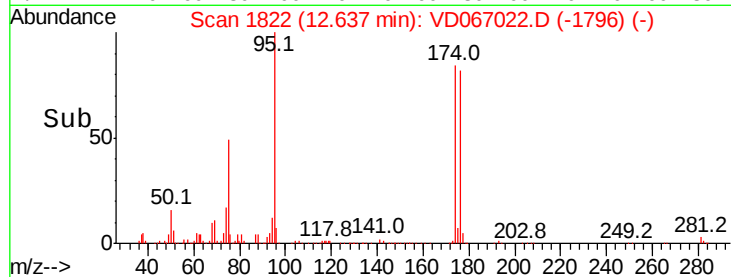
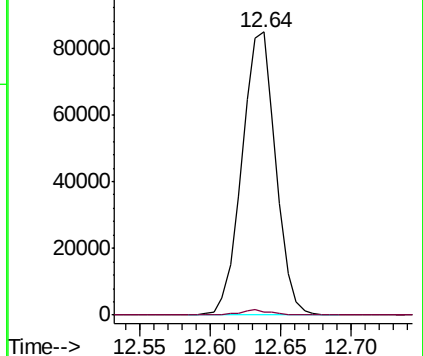
75 100

77 1.7 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: 133.300 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067022.D

Acq: 02 Oct 2020 06:05

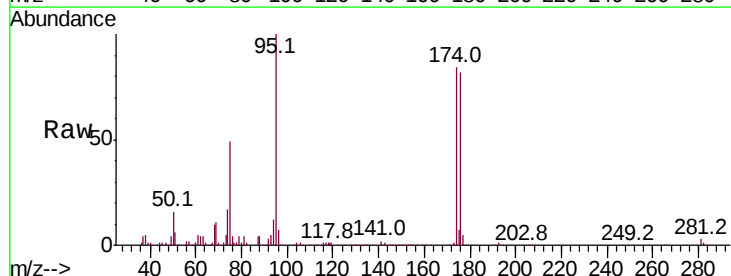
Tgt Ion: 75 Resp: 141587

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

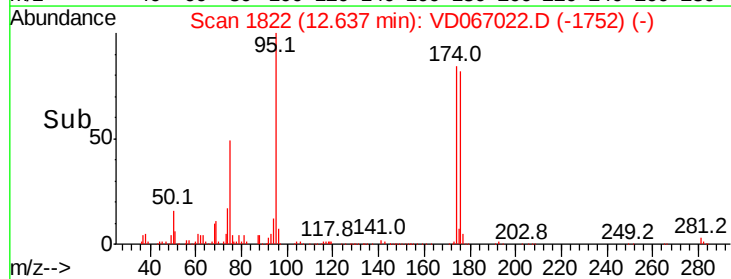
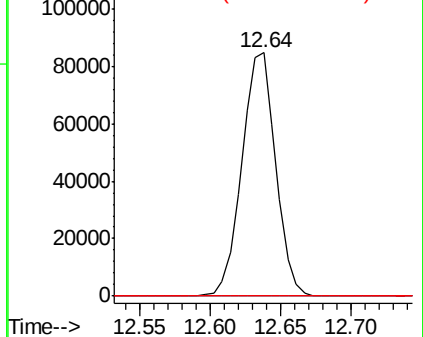
89 0.1 38.9 58.3#

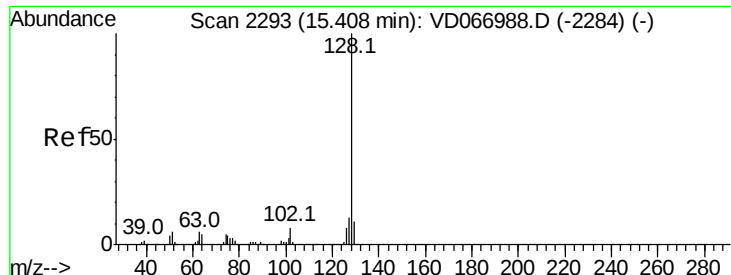


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 28.165 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067022.D

Acq: 02 Oct 2020 06:05

Instrument :

MSVOA_D

ClientSampleId :

B-15(13-14)

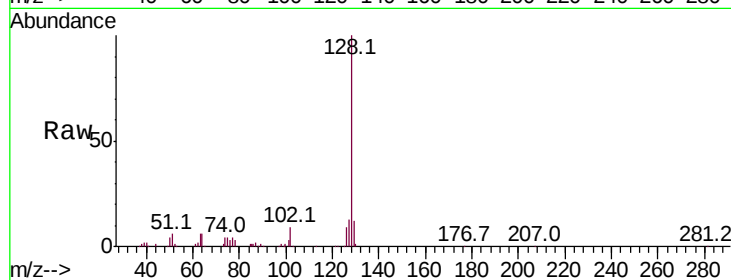
Tot Ion:128 Resp: 257665

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.5 8.6 13.0



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

