

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067021.D
 Acq On : 02 Oct 2020 05:37
 Operator : VA/SY
 Sample : L4213-04
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(9-11)

Quant Time: Oct 02 06:04:51 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	450992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	768443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	704508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311988	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	234103	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
35) Dibromofluoromethane	7.91	113	236854	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	10.34	98	913093	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.63	95	287211	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	

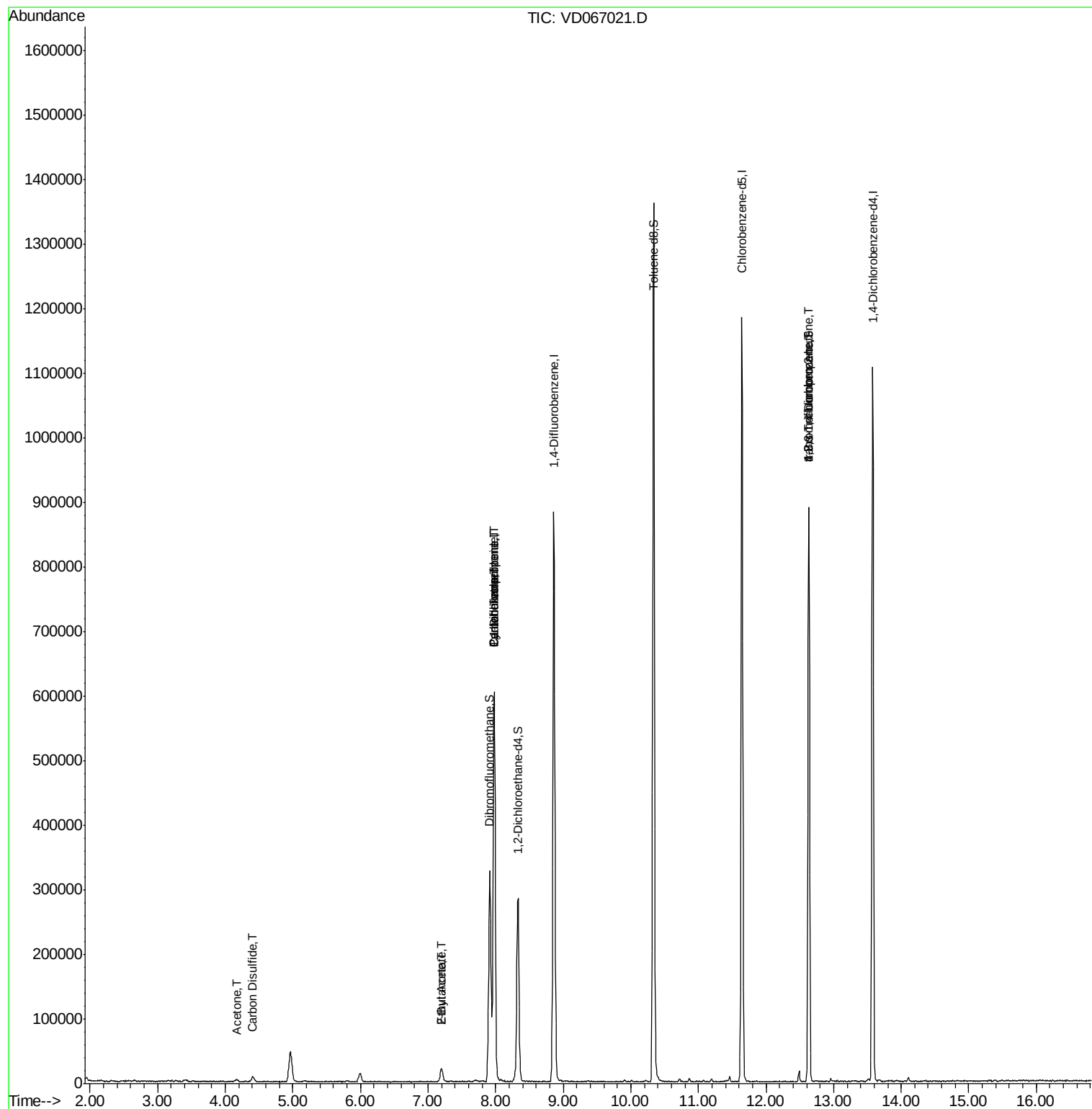
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	620	Below Cal	#	40
5) Bromomethane	2.78	94	453	Below Cal	#	69
11) Tert butyl alcohol	5.19	59	359	Below Cal	#	72
16) Acetone	4.16	43	6530	9.848	ug/l #	75
17) Carbon Disulfide	4.41	76	16870	1.293	ug/l	97
25) 2-Butanone	7.21	43	2531	2.692	ug/l	90
26) 2,2-Dichloropropane	7.21	77	1904	Below Cal	#	53
31) Cyclohexane	7.98	56	10514	1.612	ug/l #	54
36) 1,1-Dichloropropene	7.97	75	35387	4.940	ug/l #	50
37) Ethyl Acetate	7.21	43	2531	1.020	ug/l #	33
38) Carbon Tetrachloride	7.98	117	47379	6.113	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	145725	53.624	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	145725	133.692	ug/l #	12

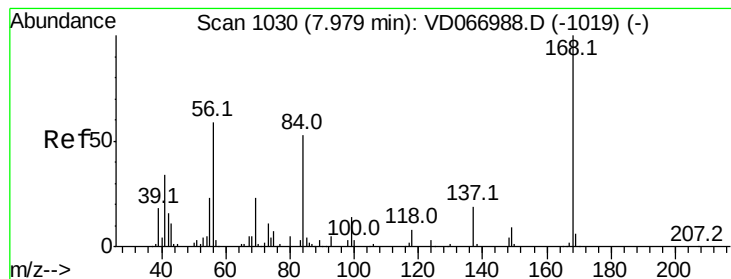
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
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B-15(9-11)

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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: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

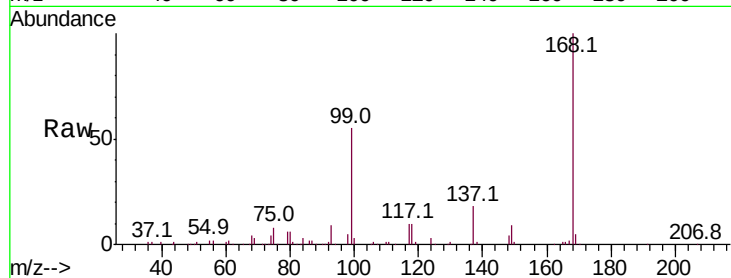
B-15(9-11)

Tot Ion:168 Resp: 450992

Ion Ratio Lower Upper

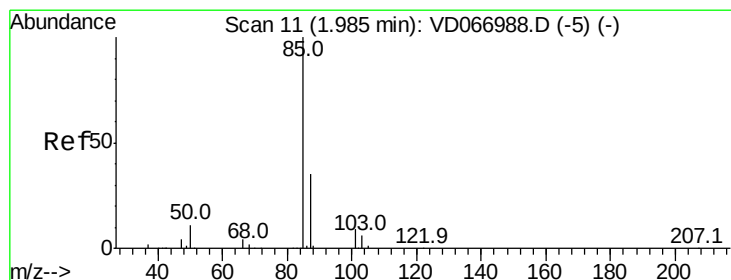
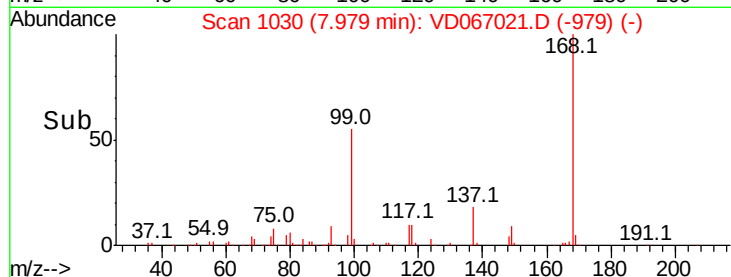
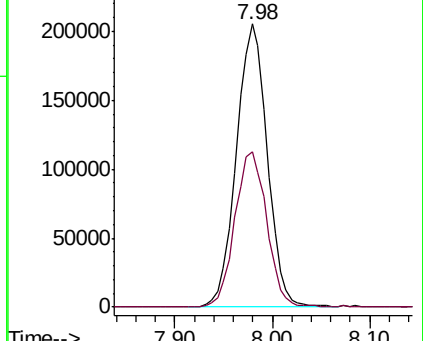
168 100

99 54.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067021.D

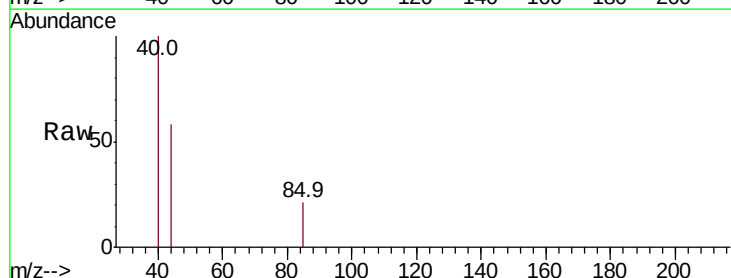
Acq: 02 Oct 2020 05:37

Tgt Ion: 85 Resp: 620

Ion Ratio Lower Upper

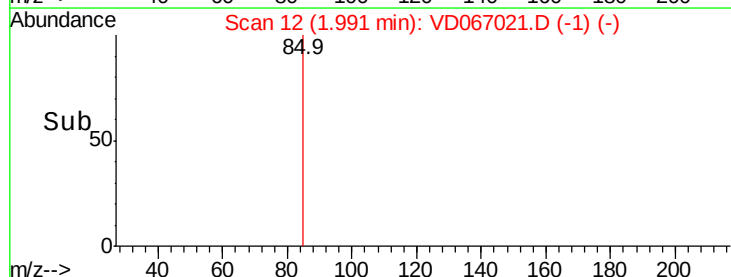
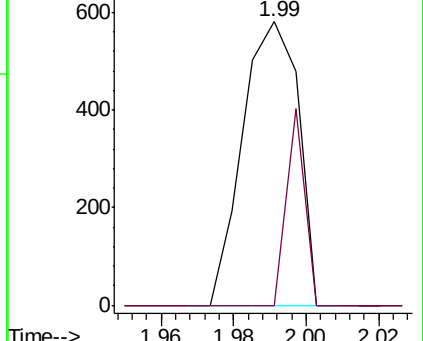
85 100

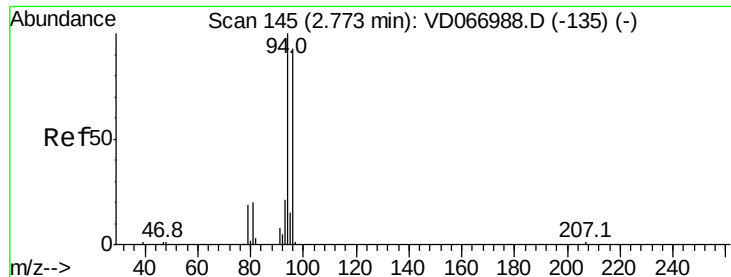
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

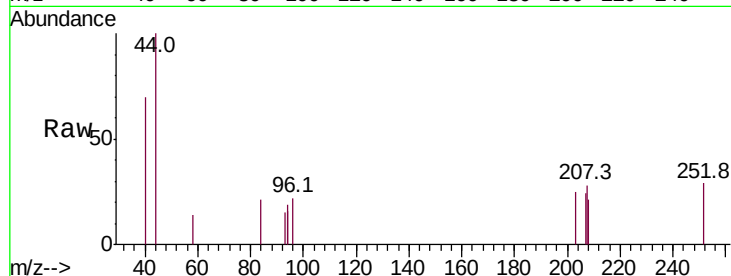
B-15(9-11)

Tot Ion: 94 Resp: 453

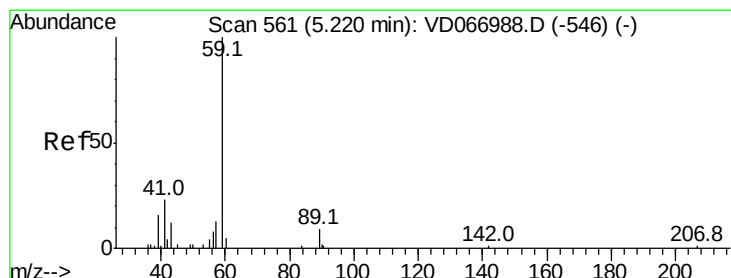
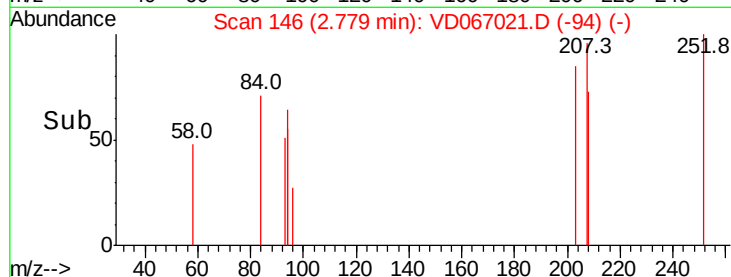
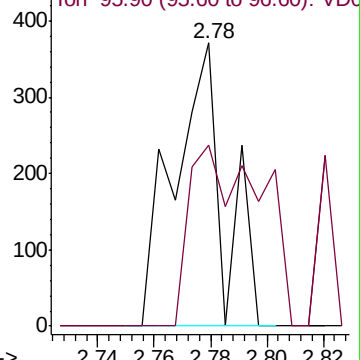
Ion Ratio Lower Upper

94 100

96 63.9 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD067021.D

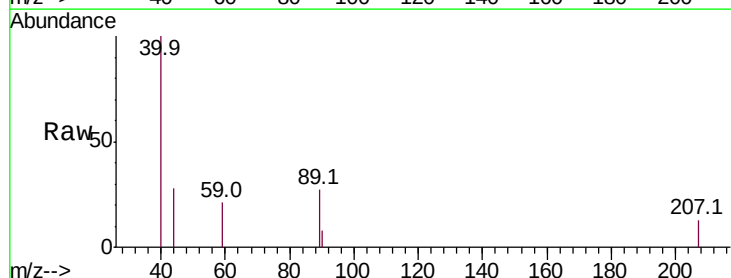
Acq: 02 Oct 2020 05:37

Tgt Ion: 59 Resp: 359

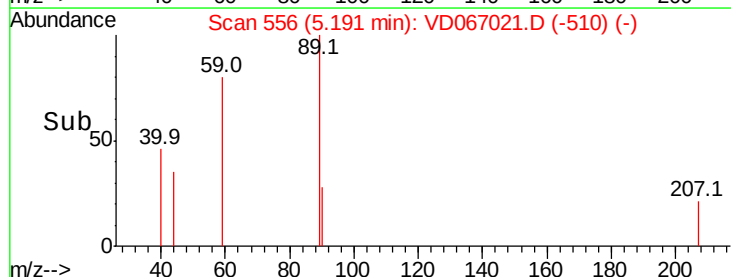
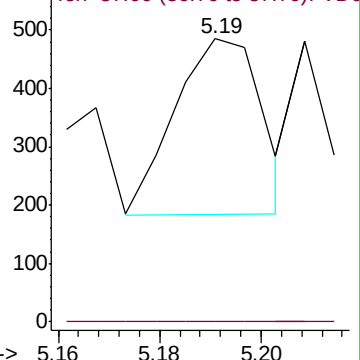
Ion Ratio Lower Upper

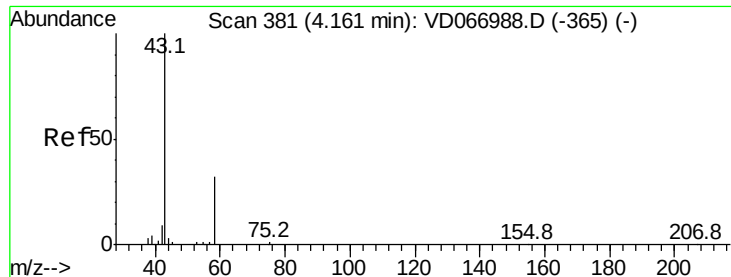
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 9.848 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

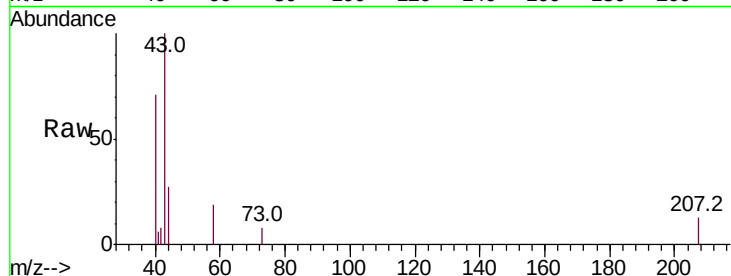
B-15(9-11)

Tot Ion: 43 Resp: 6530

Ion Ratio Lower Upper

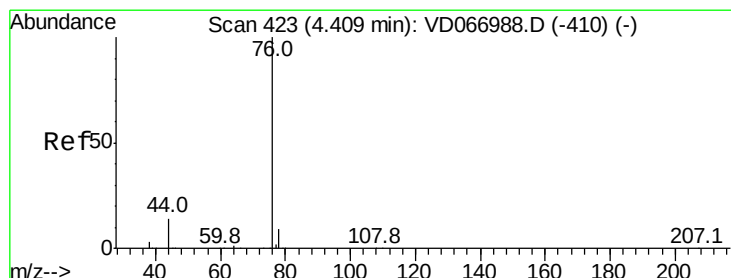
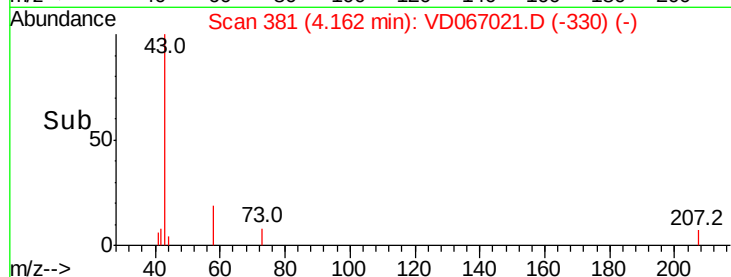
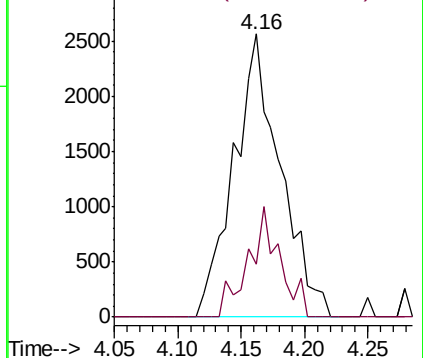
43 100

58 18.5 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.293 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067021.D

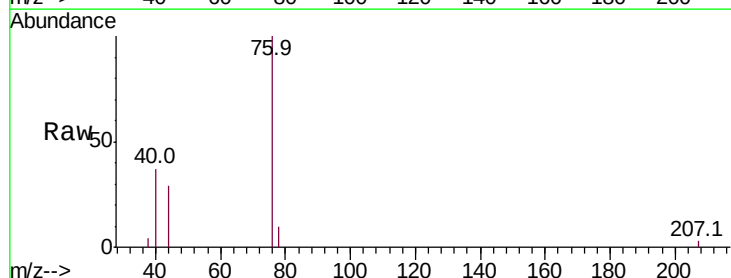
Acq: 02 Oct 2020 05:37

Tgt Ion: 76 Resp: 16870

Ion Ratio Lower Upper

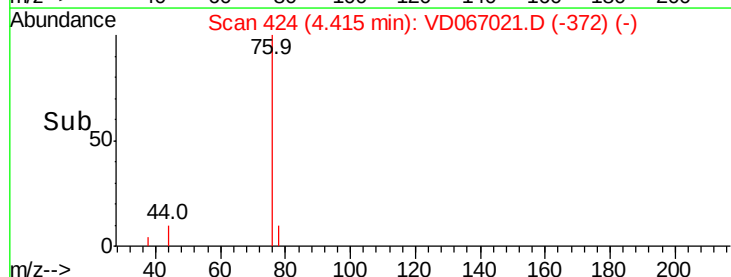
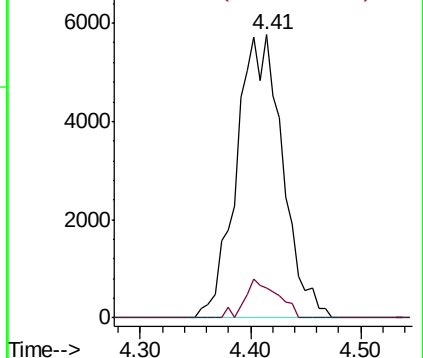
76 100

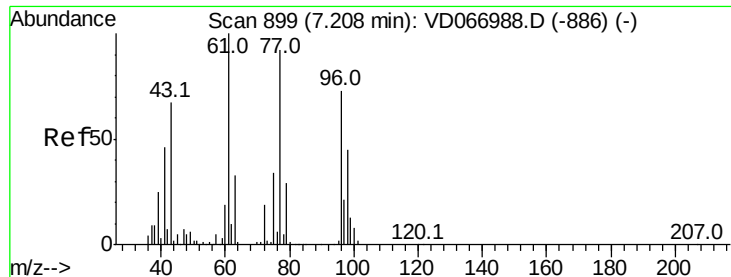
78 10.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#25

2-Butanone

Concen: 2.692 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

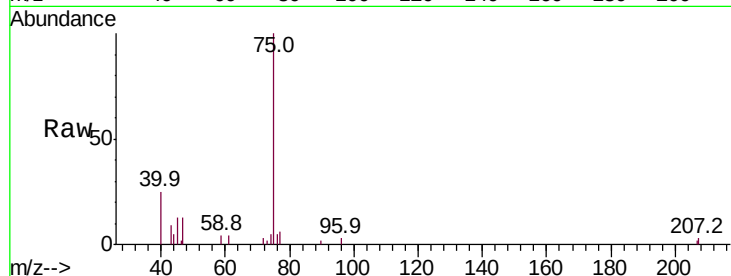
B-15(9-11)

Tot Ion: 43 Resp: 2531

Ion Ratio Lower Upper

43 100

72 34.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

800

600

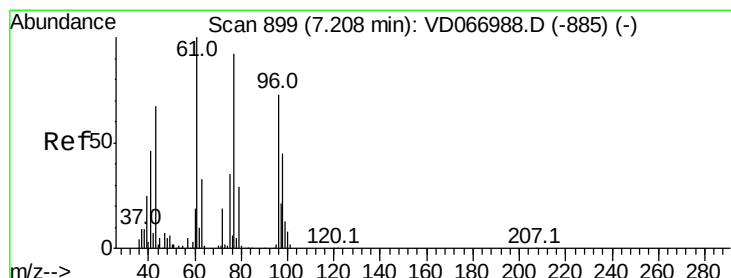
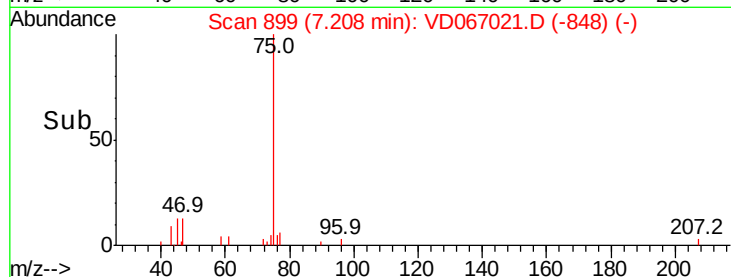
400

200

0

7.15 7.20 7.25

Time-->



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067021.D

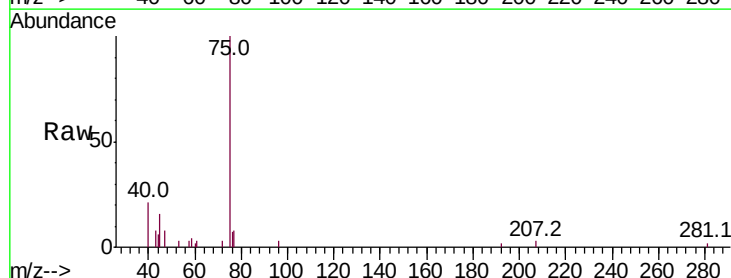
Acq: 02 Oct 2020 05:37

Tgt Ion: 77 Resp: 1904

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

800

600

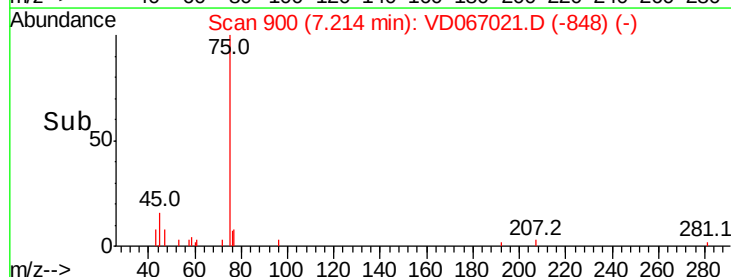
400

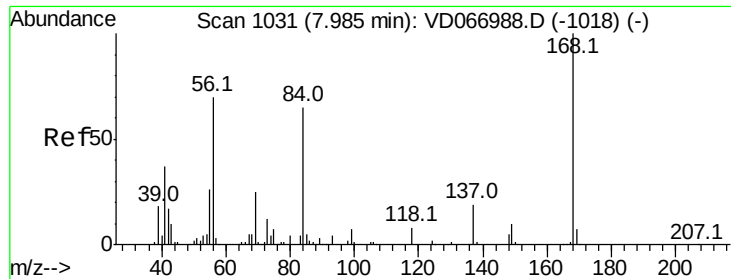
200

0

7.15 7.20 7.25

Time-->

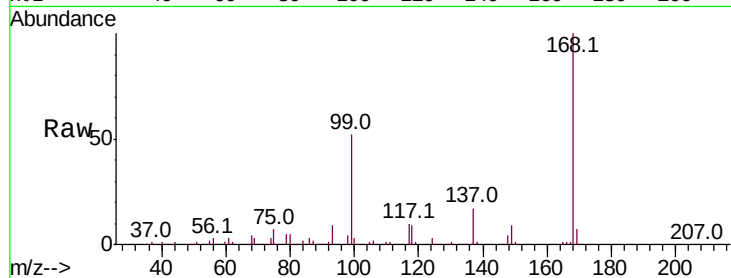




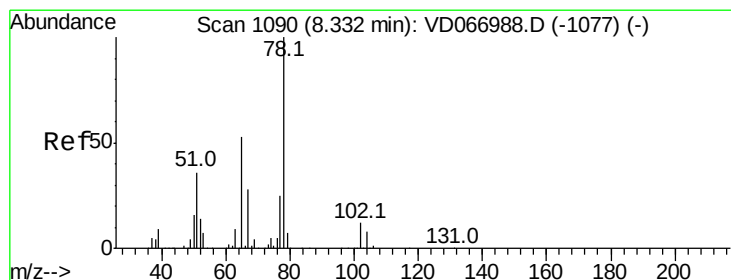
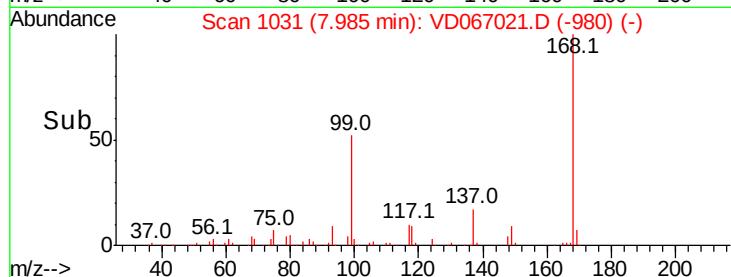
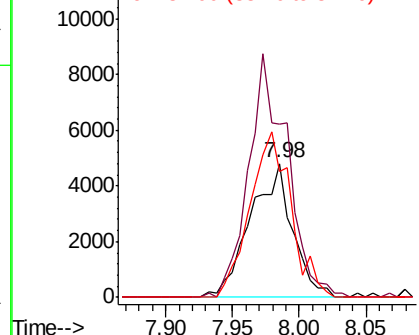
#31
Cyclohexane
Concen: 1.612 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067021.D
Acq: 02 Oct 2020 05:37

Instrument :
MSVOA_D
ClientSampleID :
B-15(9-11)

Tot Ion: 56 Resp: 10514
Ion Ratio Lower Upper
56 100
69 129.7 29.0 43.6#
84 94.2 74.2 111.2

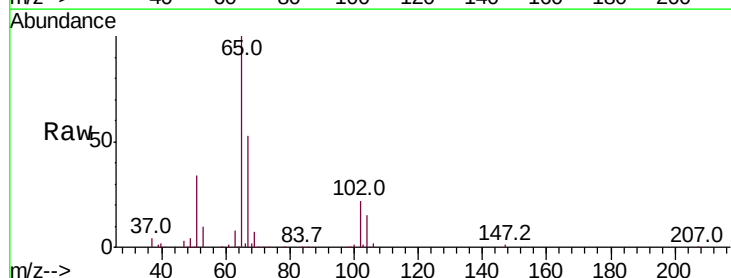


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

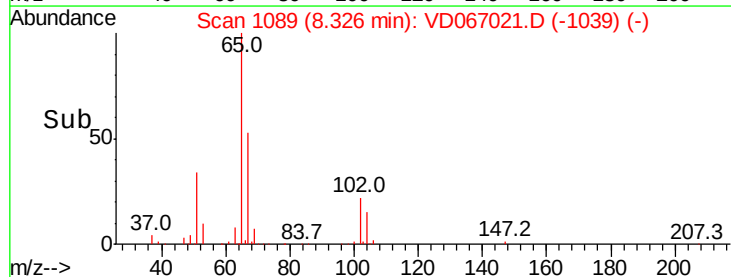
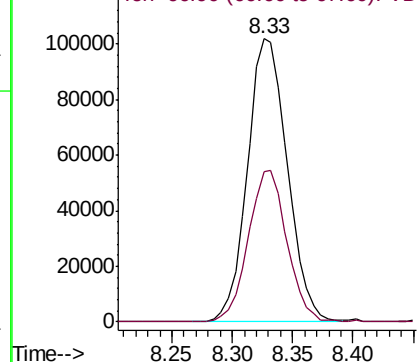


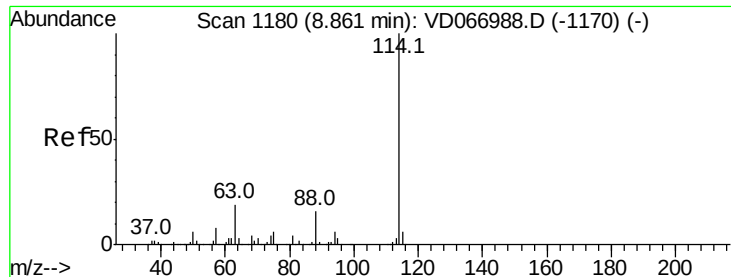
#33
1,2-Dichloroethane-d4
Concen: 53.892 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD067021.D
Acq: 02 Oct 2020 05:37

Tgt Ion: 65 Resp: 234103
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(9-11)

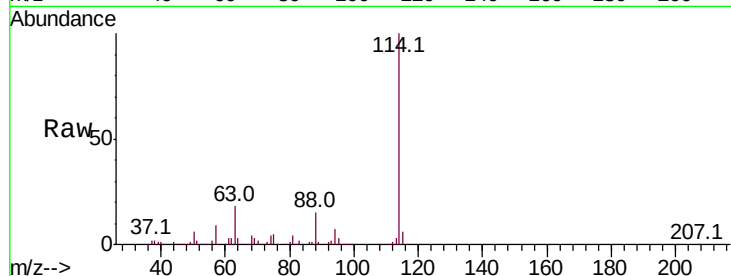
Tot Ion:114 Resp: 768443

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

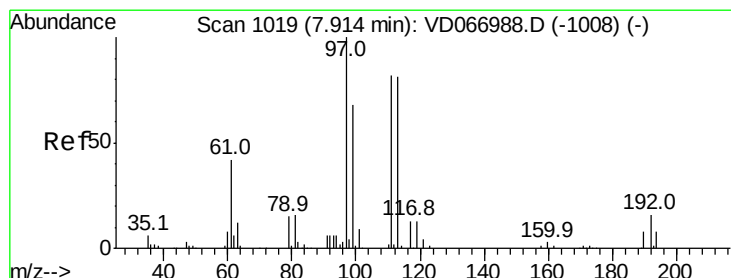
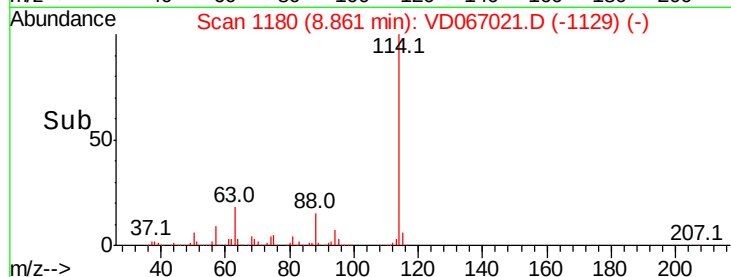
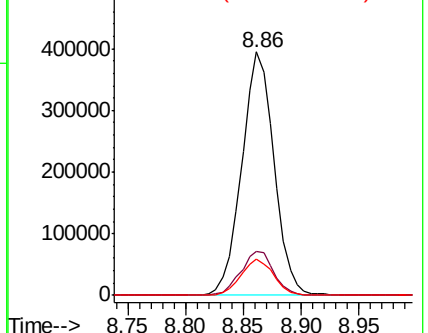
88 14.8 0.0 31.2



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: 47.080 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

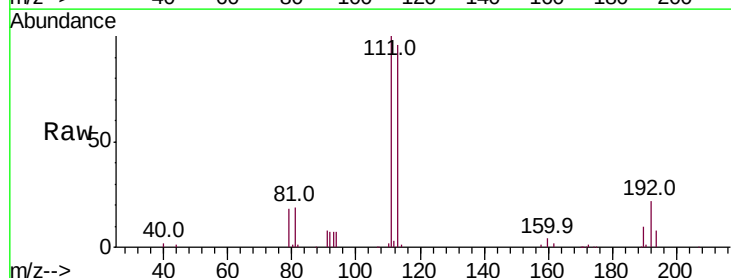
Tgt Ion:113 Resp: 236854

Ion Ratio Lower Upper

113 100

111 104.1 83.0 124.4

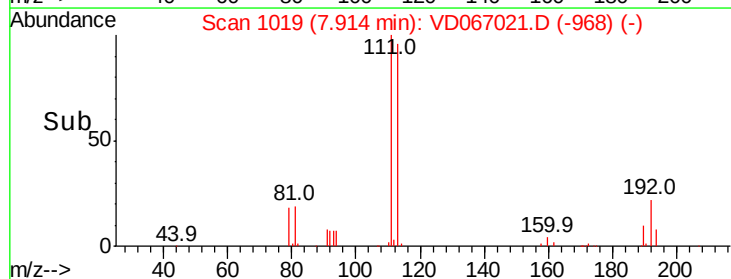
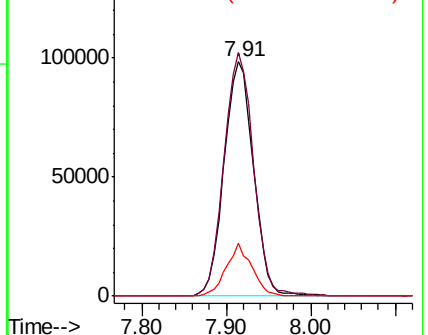
192 19.4 15.5 23.3

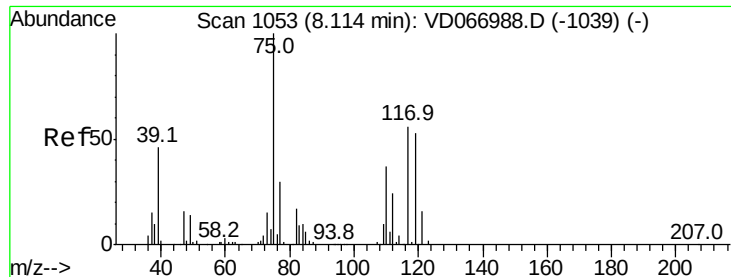


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.940 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(9-11)

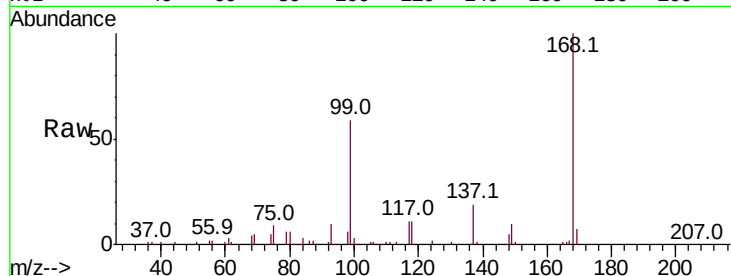
Tot Ion: 75 Resp: 35387

Ion Ratio Lower Upper

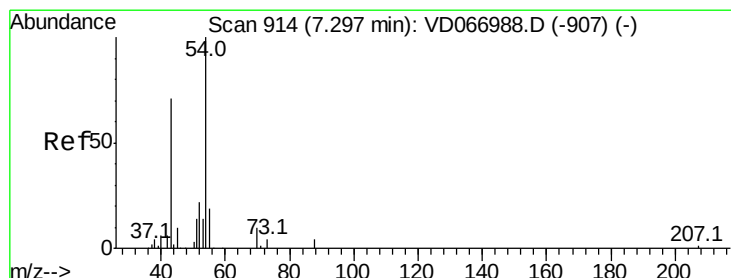
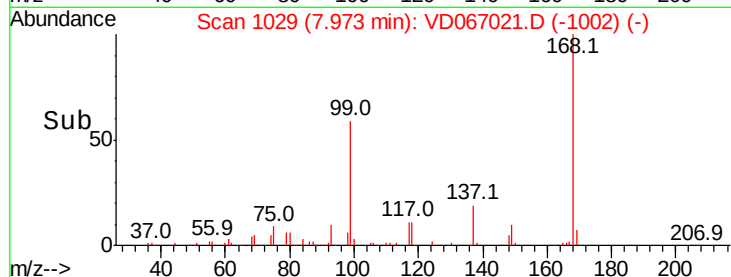
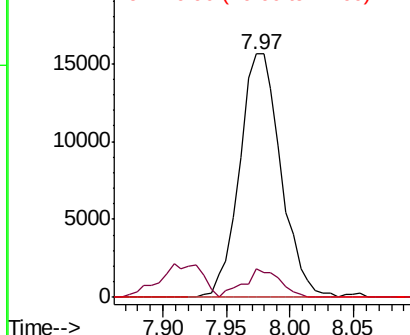
75 100

110 10.4 18.4 55.0#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.020 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.09 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

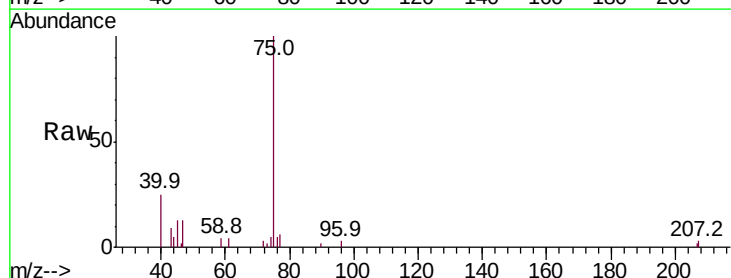
Tgt Ion: 43 Resp: 2531

Ion Ratio Lower Upper

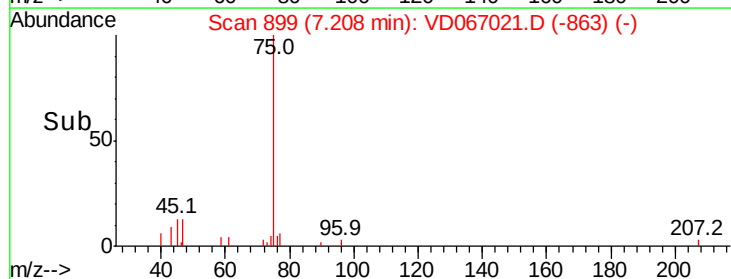
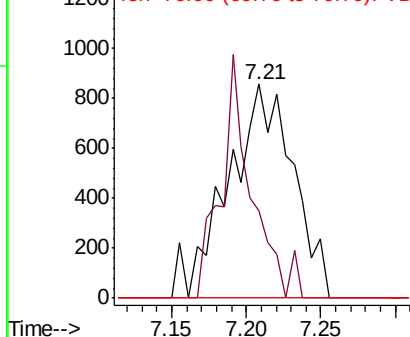
43 100

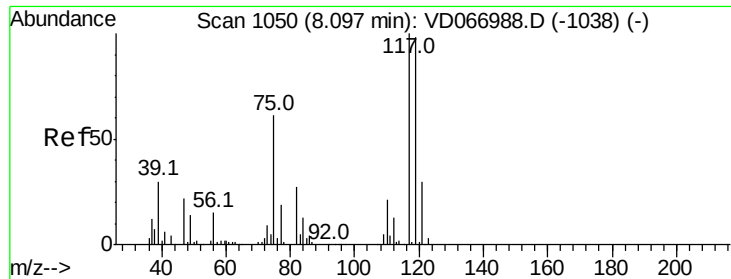
61 55.6 12.5 18.7#

70 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.113 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(9-11)

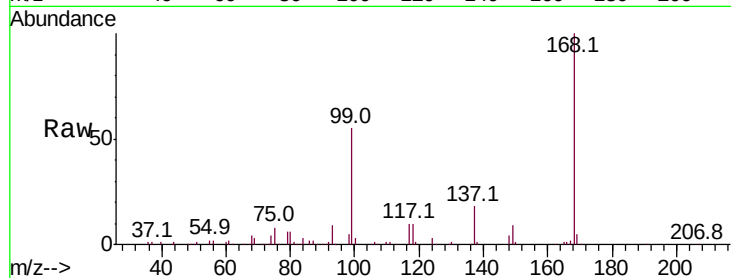
Tot Ion:117 Resp: 47379

Ion Ratio Lower Upper

117 100

119 6.2 78.7 118.1#

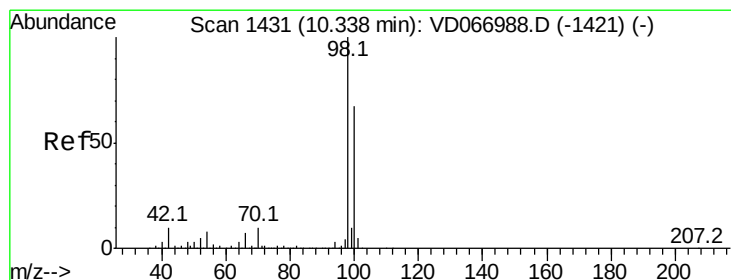
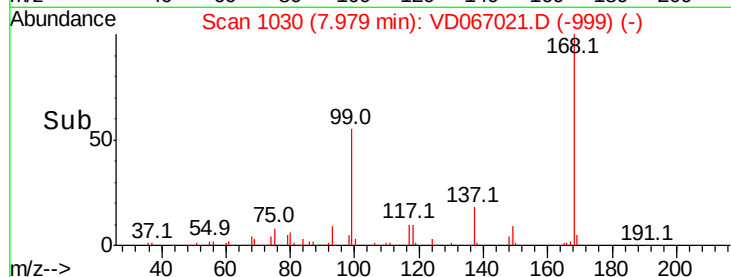
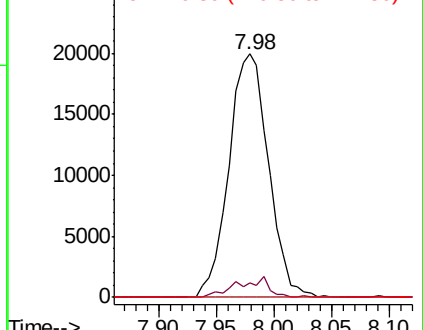
121 0.0 24.2 36.2#



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: 49.809 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067021.D

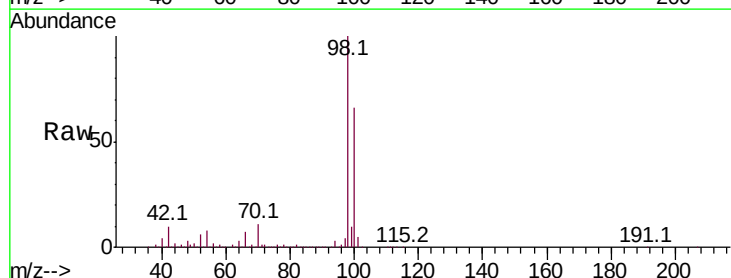
Acq: 02 Oct 2020 05:37

Tgt Ion: 98 Resp: 913093

Ion Ratio Lower Upper

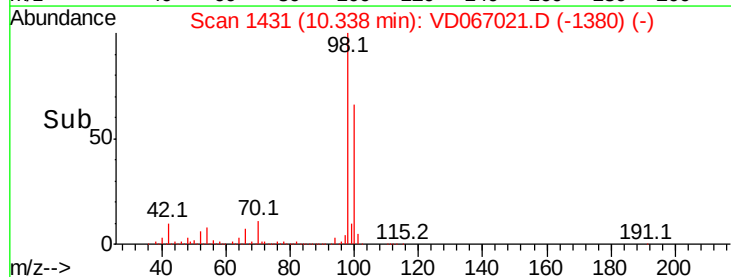
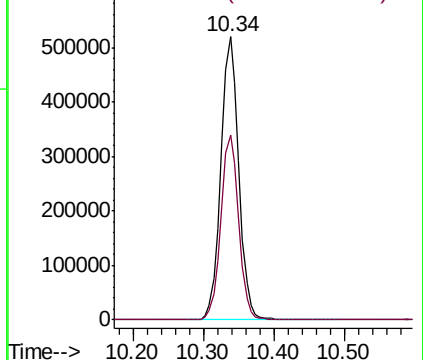
98 100

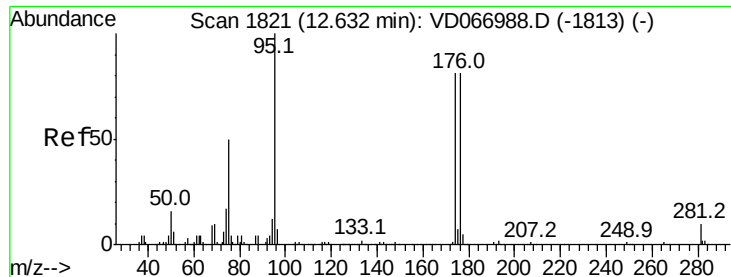
100 65.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

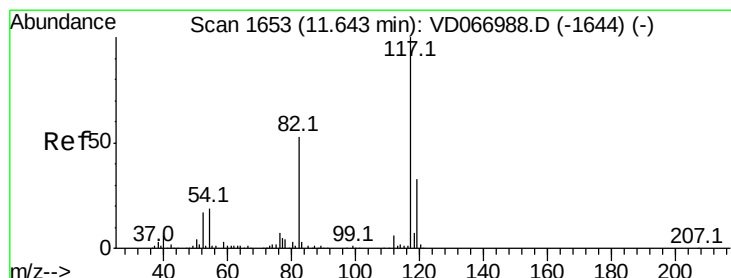
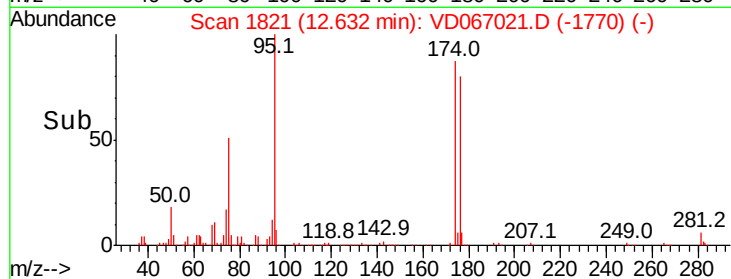
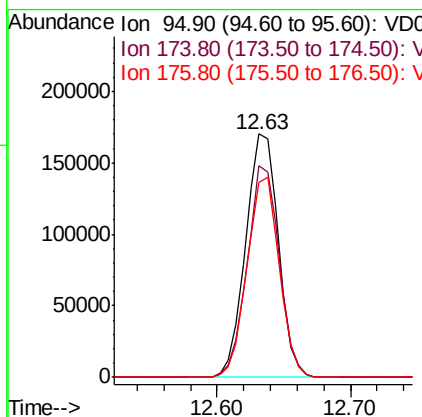
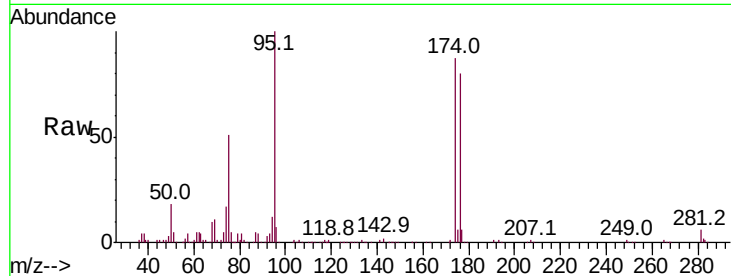




#62
4-Bromofluorobenzene
Concen: 46.152 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067021.D
Acq: 02 Oct 2020 05:37

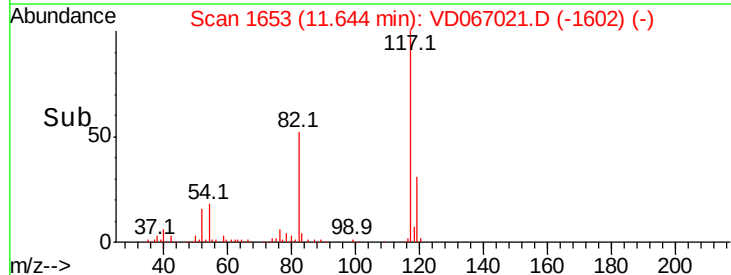
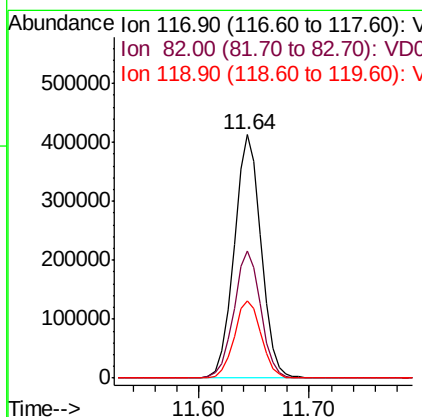
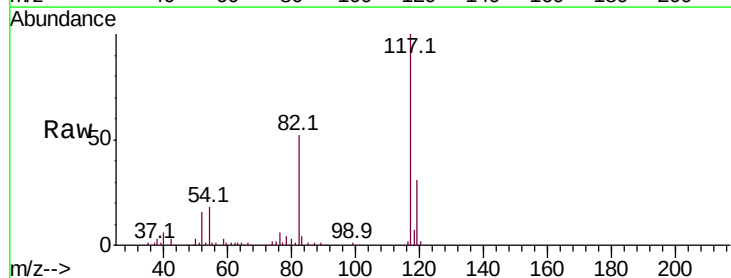
Instrument :
MSVOA_D
ClientSampleId :
B-15(9-11)

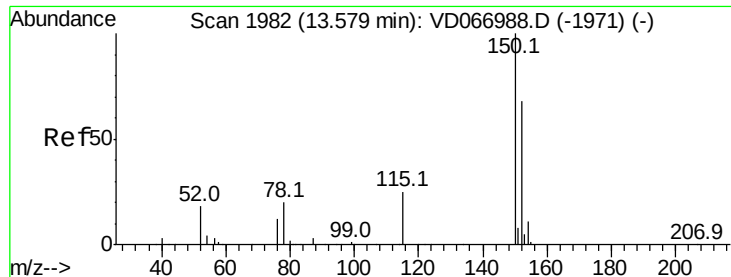
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	167.6
176	80.8	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067021.D
Acq: 02 Oct 2020 05:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.6	63.8
119	31.5	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: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(9-11)

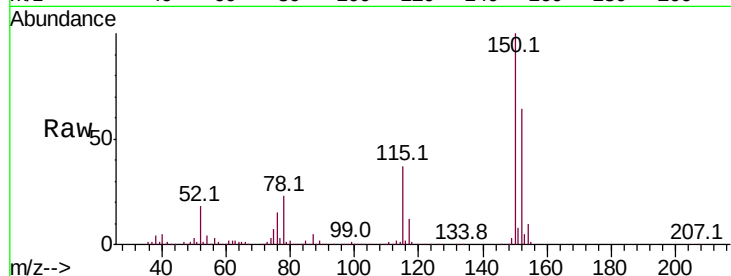
Tot Ion:152 Resp: 311988

Ion Ratio Lower Upper

152 100

115 58.2 29.6 88.8

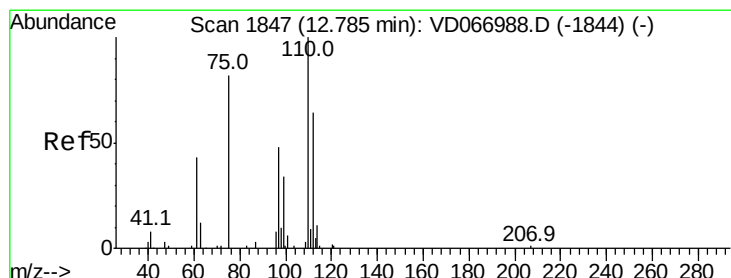
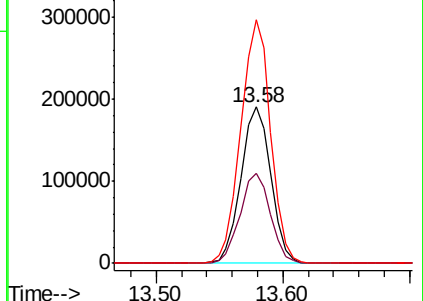
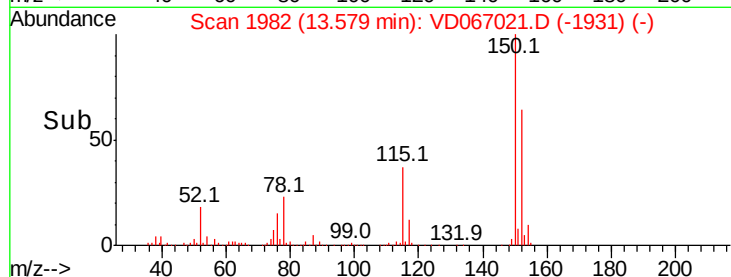
150 154.5 0.0 344.8



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: 53.624 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067021.D

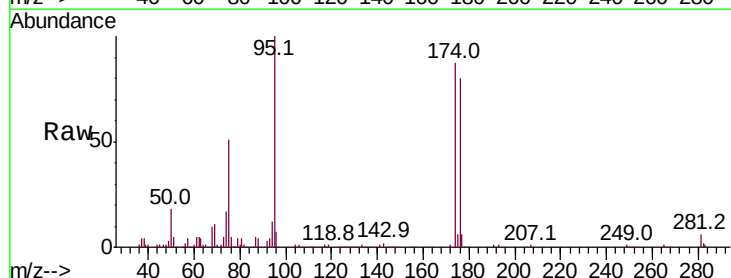
Acq: 02 Oct 2020 05:37

Tgt Ion: 75 Resp: 145725

Ion Ratio Lower Upper

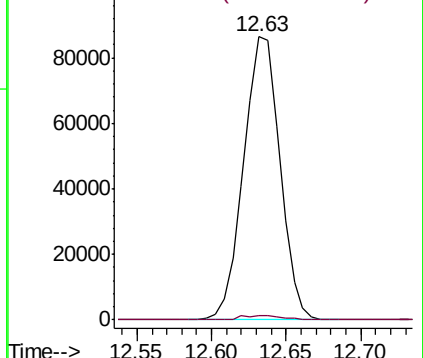
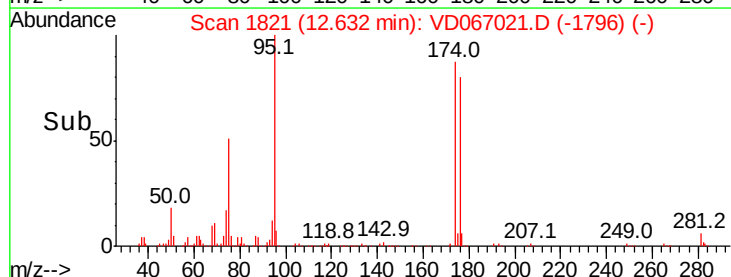
75 100

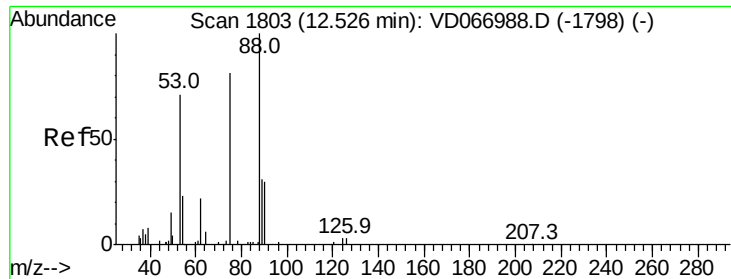
77 1.8 0.0 0.0#



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: 133.692 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067021.D

Acq: 02 Oct 2020 05:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(9-11)

Tot Ion: 75 Resp: 145725

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

