

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067442.D
 Acq On : 28 Oct 2020 19:14
 Operator : VA/SY
 Sample : L4510-05RE
 Misc : 6.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-5

Quant Time: Oct 29 00:47:14 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	316543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	501761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	252059	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	157659	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	7.92	113	160738	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	10.34	98	594481	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.64	95	211526	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	

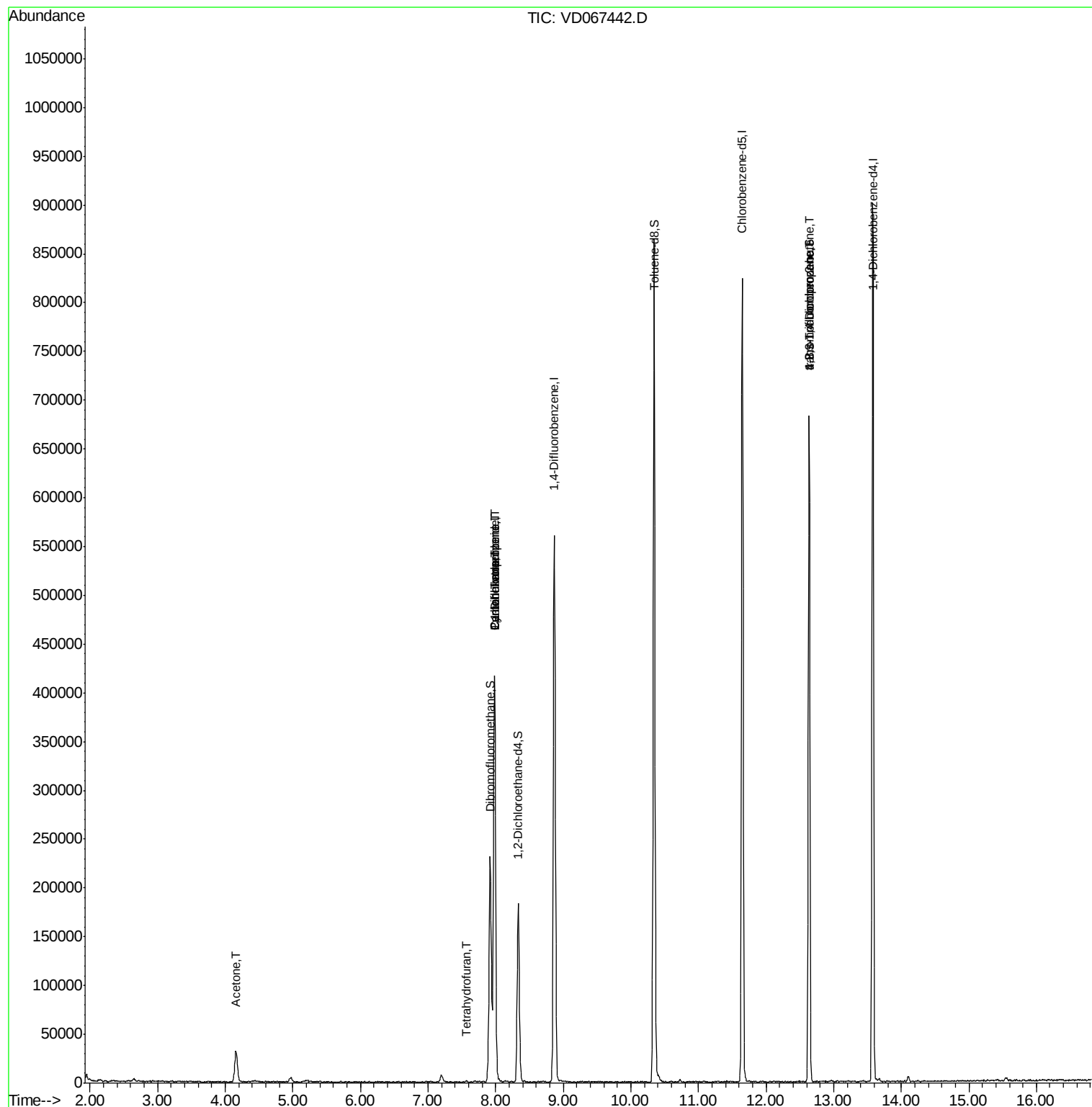
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1081	Below Cal		92
11) Tert butyl alcohol	5.22	59	2312	Below Cal	#	90
16) Acetone	4.16	43	57422	129.288	ug/l	96
20) Methylene Chloride	4.97	84	3556	Below Cal	#	81
29) Tetrahydrofuran	7.57	42	500	1.777	ug/l #	45
31) Cyclohexane	7.98	56	5900	1.615	ug/l #	7
36) 1,1-Dichloropropene	7.98	75	22068	5.152	ug/l #	51
38) Carbon Tetrachloride	7.98	117	30763	5.619	ug/l #	17
49) 1,4-Dioxane	9.24	88	64	Below Cal	#	27
76) 1,2,3-Trichloropropane	12.64	75	112411	64.345	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112411	145.915	ug/l #	10

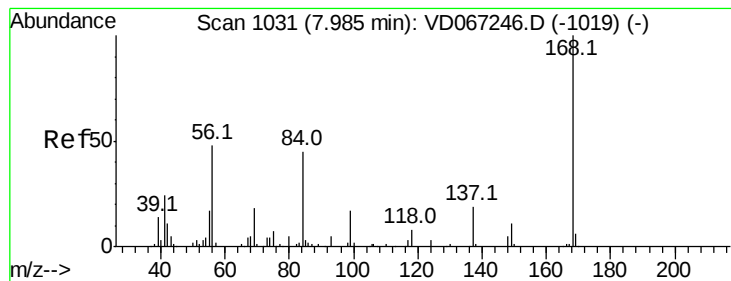
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102820\
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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
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: VD067442.D

Acq: 28 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleID :

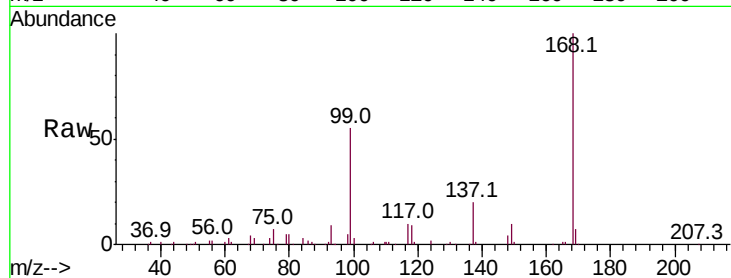
VOC-5

Tot Ion:168 Resp: 316543

Ion Ratio Lower Upper

168 100

99 55.5 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

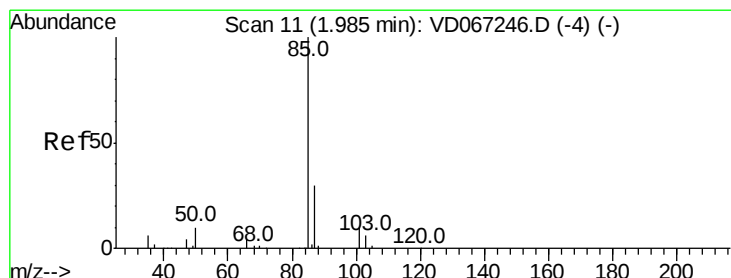
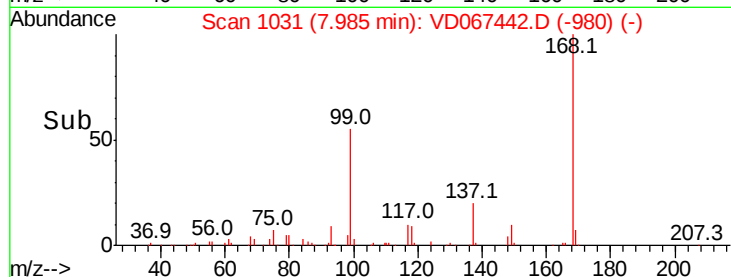
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067442.D

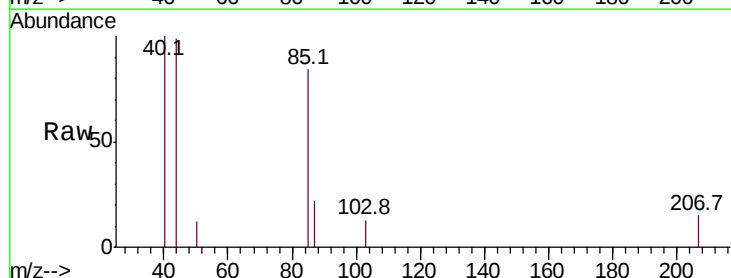
Acq: 28 Oct 2020 19:14

Tgt Ion: 85 Resp: 1081

Ion Ratio Lower Upper

85 100

87 26.2 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

1200

1000

800

600

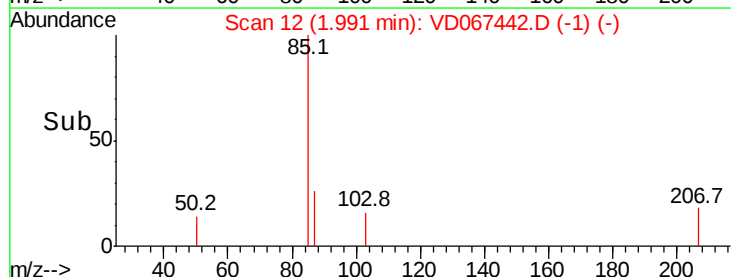
400

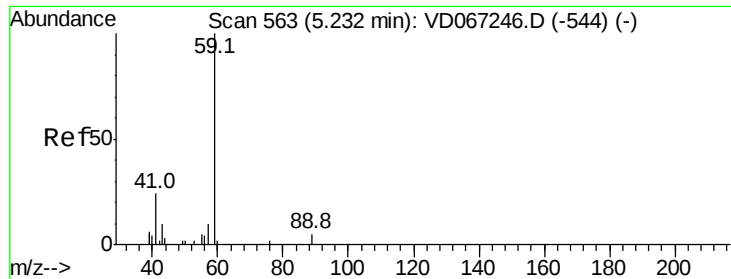
200

0

1.94 1.96 1.98 2.00 2.02

Time-->



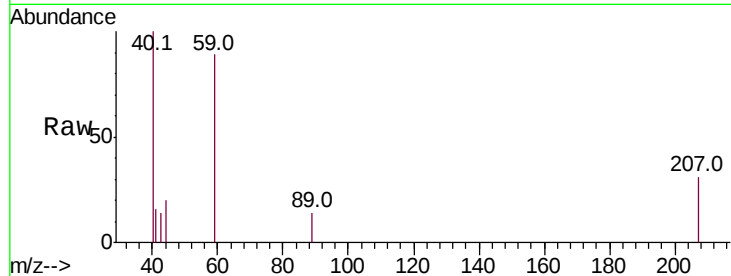


#11

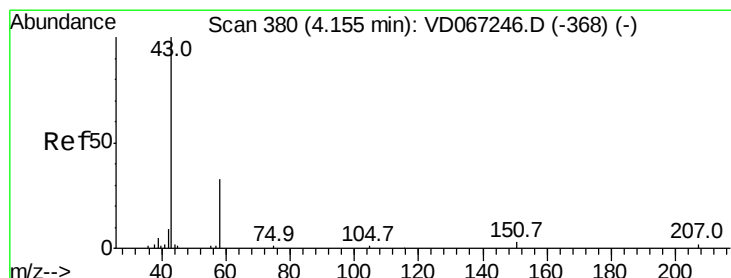
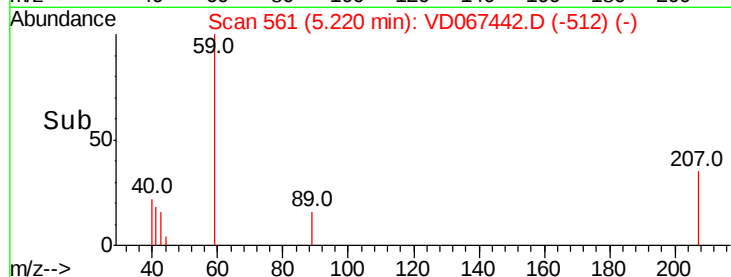
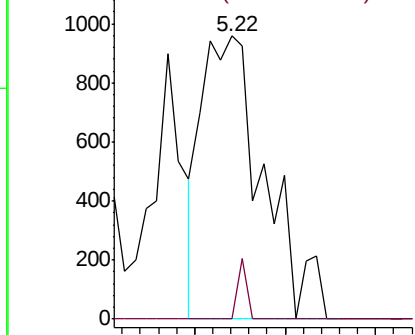
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067442.D
 Acq: 28 Oct 2020 19:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-5

Tot Ion: 59 Resp: 2312
 Ion Ratio Lower Upper
 59 100
 57 3.1 5.1 7.7#



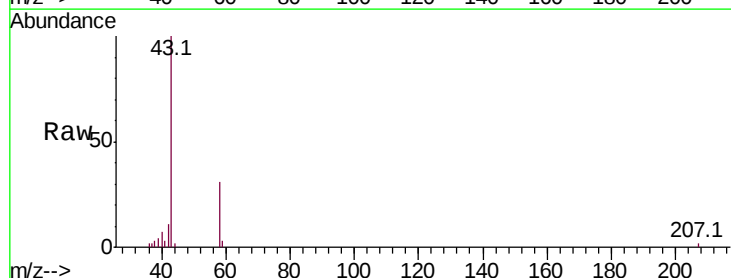
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



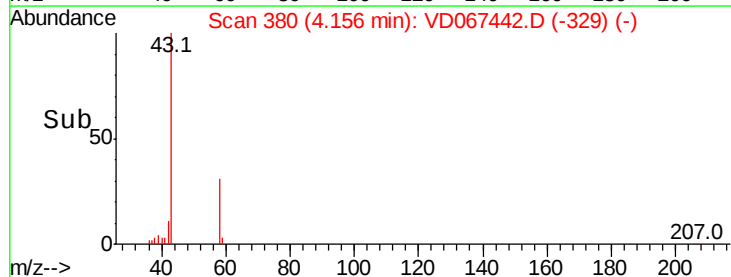
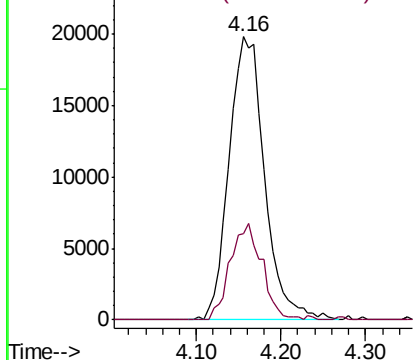
#16

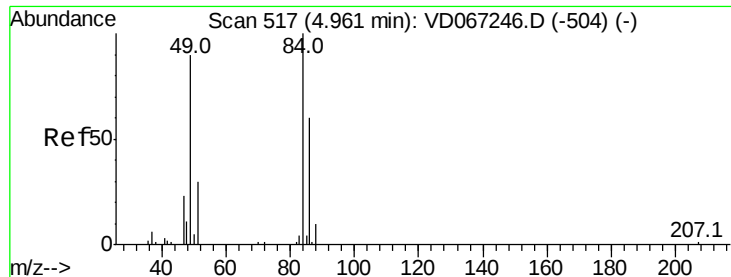
Acetone
 Concen: 129.288 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067442.D
 Acq: 28 Oct 2020 19:14

Tgt Ion: 43 Resp: 57422
 Ion Ratio Lower Upper
 43 100
 58 30.6 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067442.D

Acq: 28 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

VOC-5

Tot Ion: 84 Resp: 3556

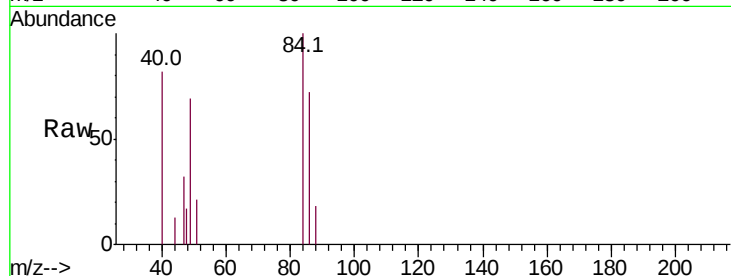
Ion Ratio Lower Upper

84 100

49 69.4 72.2 108.2#

51 21.0 23.8 35.8#

86 72.1 48.2 72.4

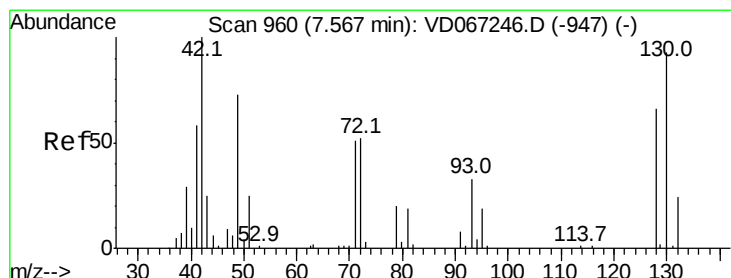
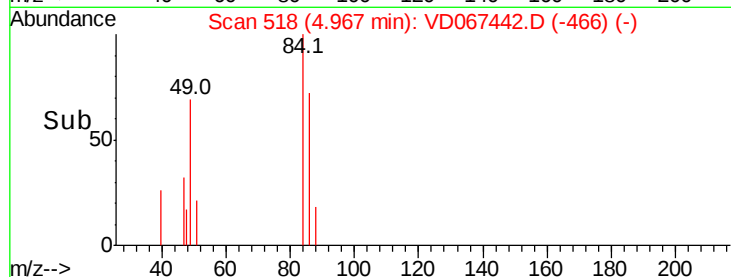
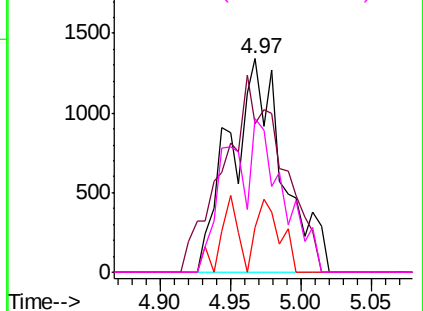


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#29

Tetrahydrofuran

Concen: 1.777 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067442.D

Acq: 28 Oct 2020 19:14

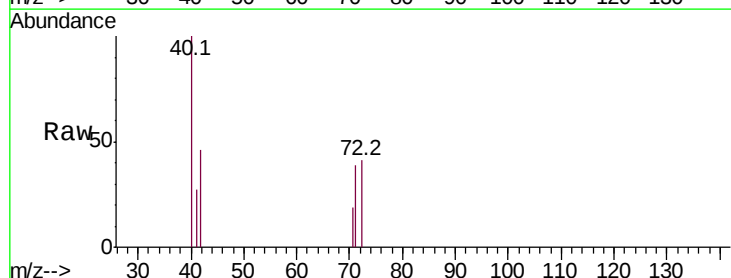
Tgt Ion: 42 Resp: 500

Ion Ratio Lower Upper

42 100

72 71.0 43.2 64.8#

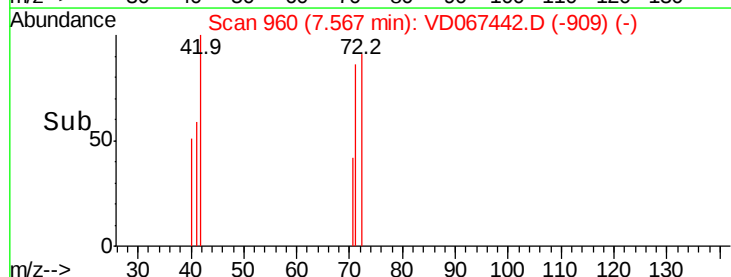
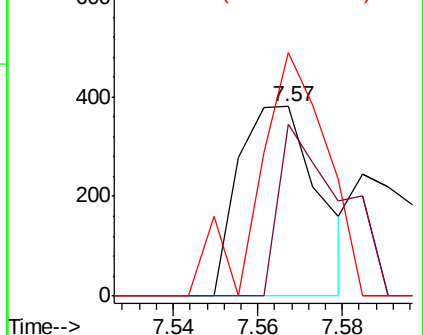
71 110.0 39.4 59.0#

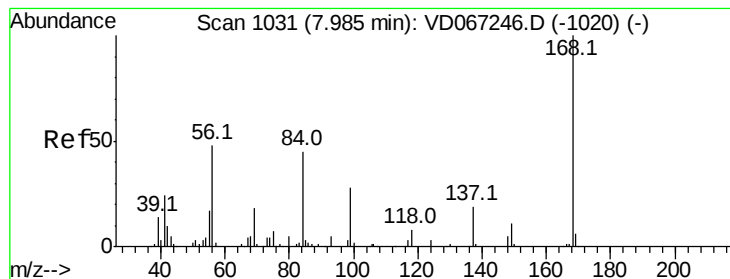


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.615 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067442.D

Acq: 28 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleID :

VOC-5

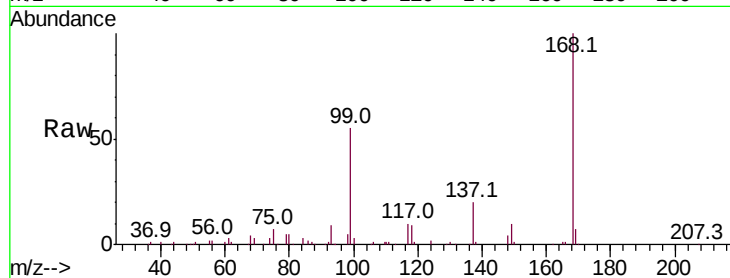
Tot Ion: 56 Resp: 5900

Ion Ratio Lower Upper

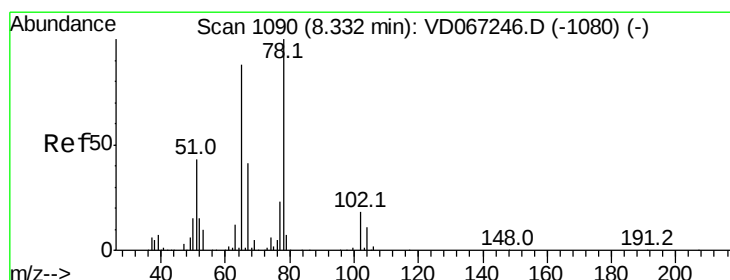
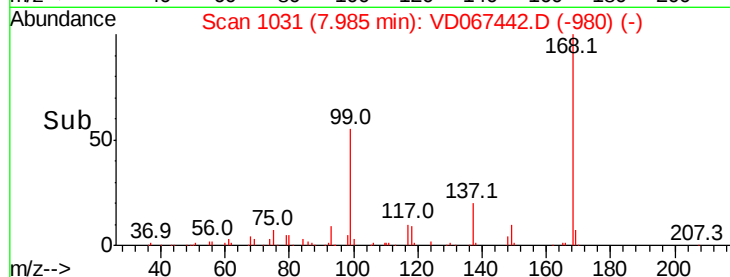
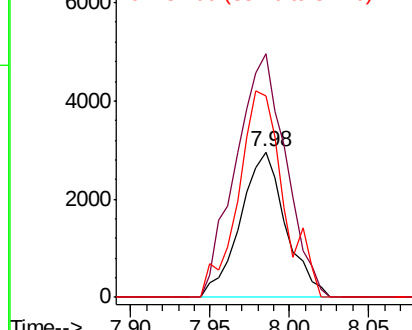
56 100

69 167.3 29.8 44.6#

84 138.5 76.6 114.8#



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: 49.715 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067442.D

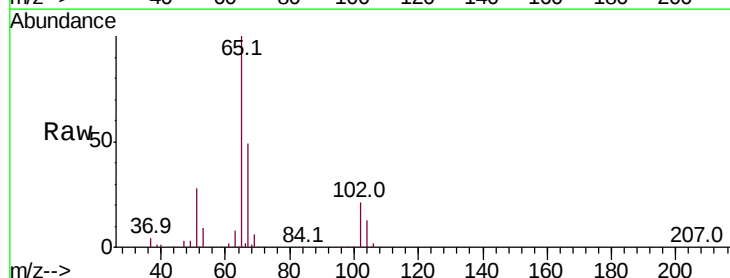
Acq: 28 Oct 2020 19:14

Tgt Ion: 65 Resp: 157659

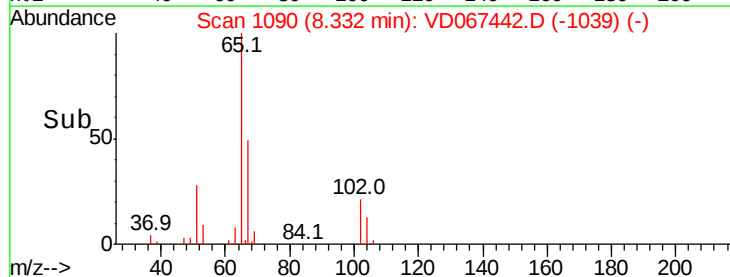
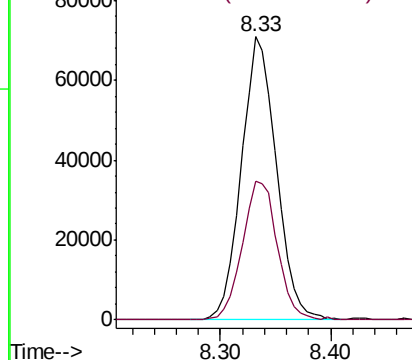
Ion Ratio Lower Upper

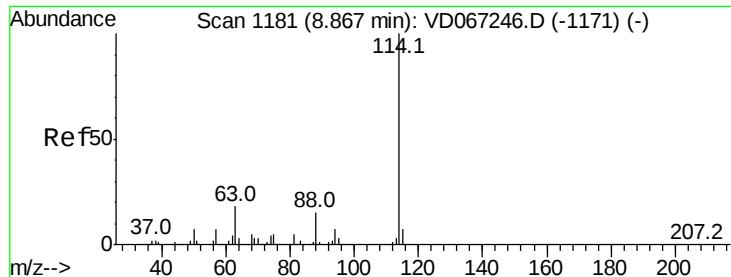
65 100

67 49.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

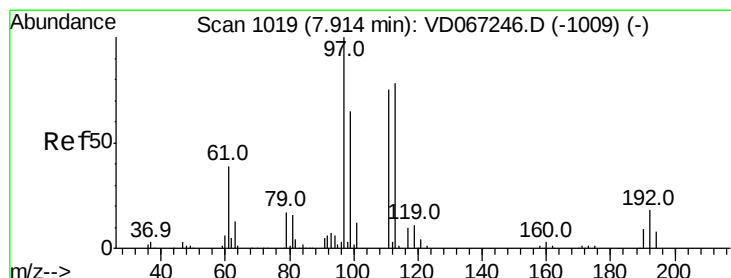
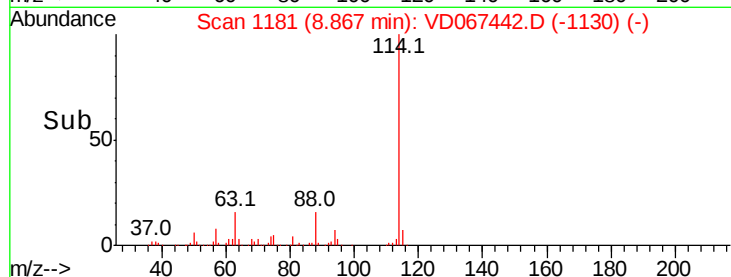
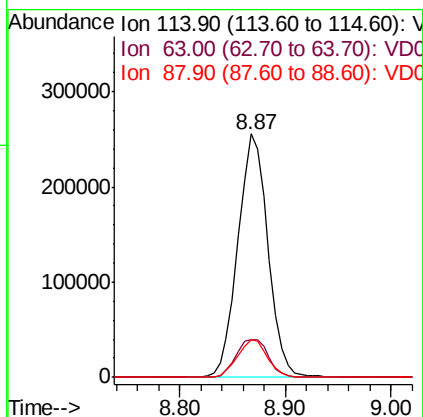
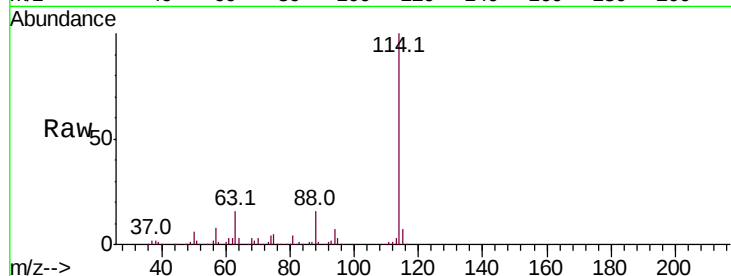




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067442.D
 Acq: 28 Oct 2020 19:14

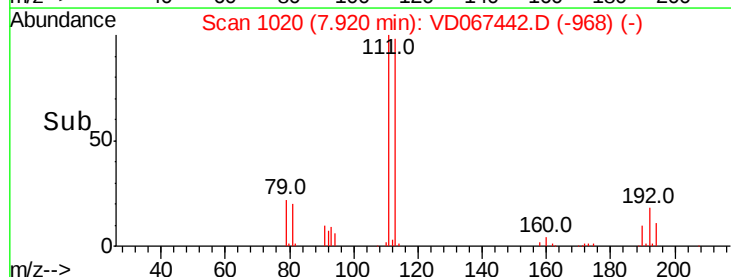
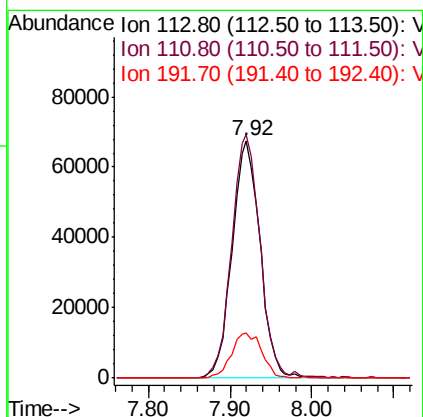
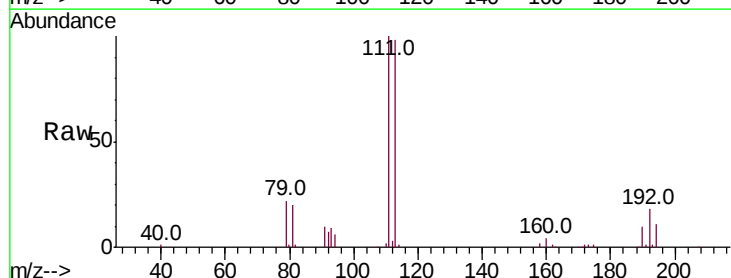
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-5

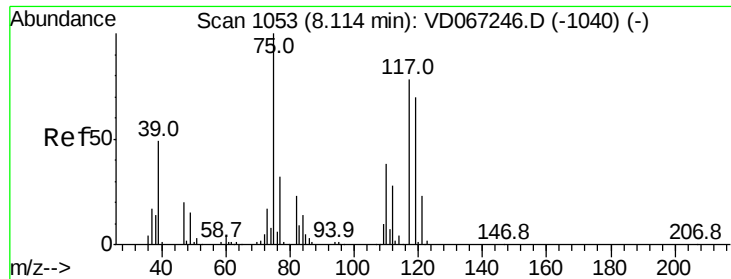
Tot Ion	Ratio	Lower	Upper
114	100		
63	15.6	0.0	35.0
88	15.5	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 47.792 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067442.D
 Acq: 28 Oct 2020 19:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.6	122.4
192	20.6	17.0	25.4

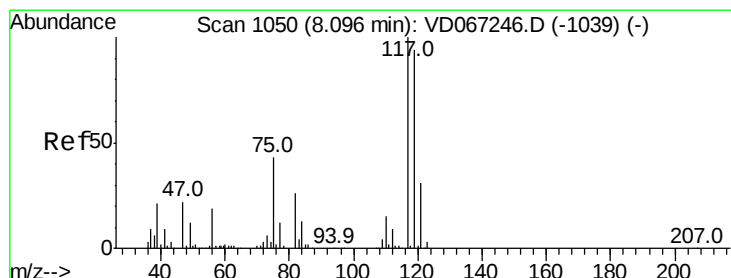
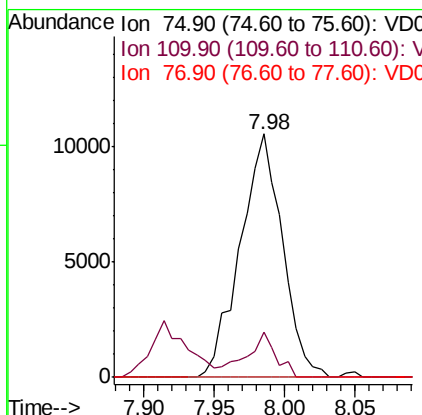
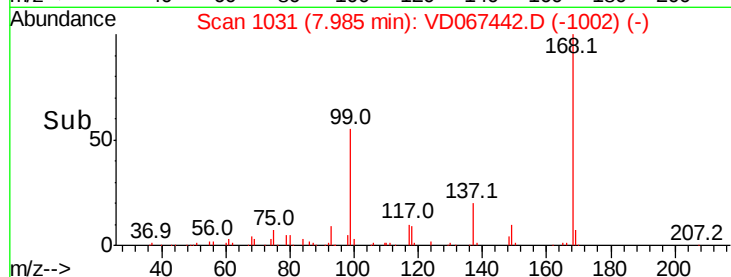
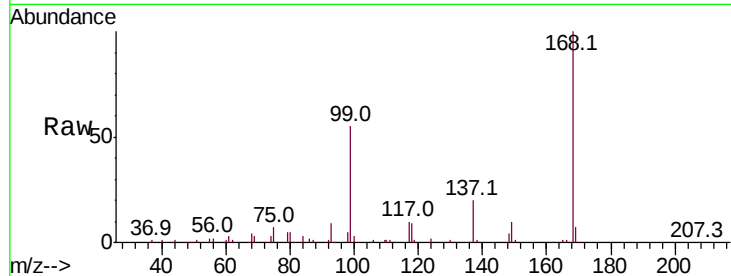




#36
 1,1-Dichloropropene
 Concen: 5.152 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067442.D
 Acq: 28 Oct 2020 19:14

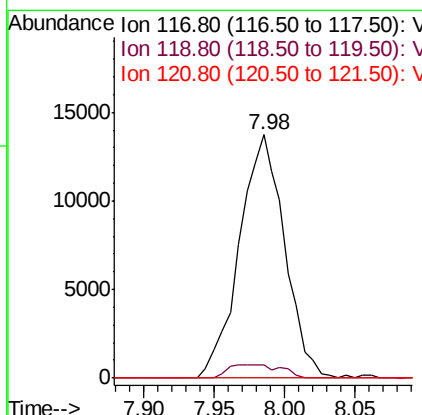
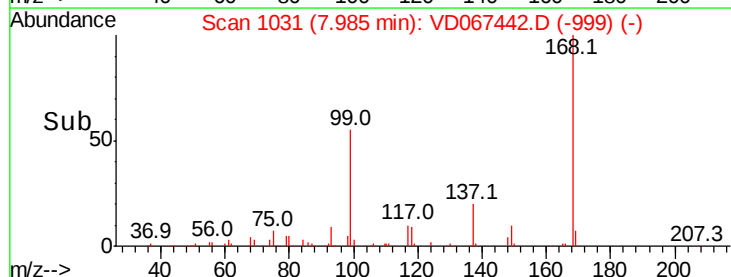
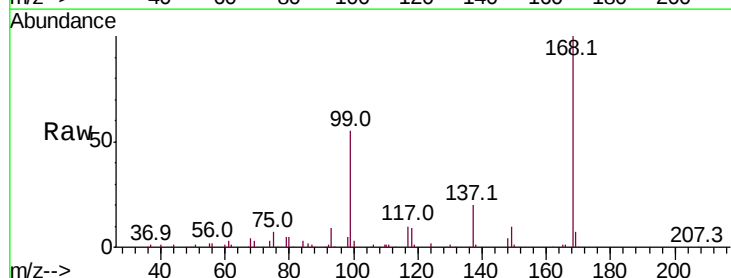
Instrument :
 MSVOA_D
 ClientSampled :
 VOC-5

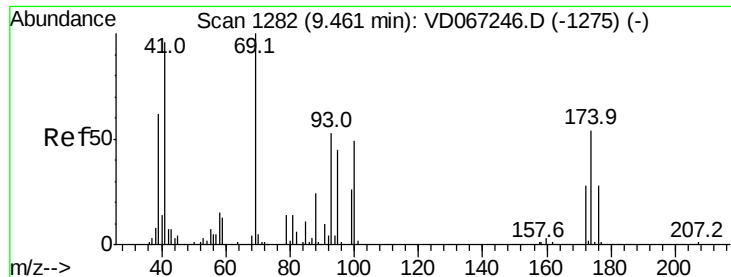
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.7	19.6	58.7#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.619 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067442.D
 Acq: 28 Oct 2020 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.0	112.4#
121	0.0	24.9	37.3#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.24 min Scan# 1245

Delta R.T. -0.22 min

Lab File: VD067442.D

Acq: 28 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

VOC-5

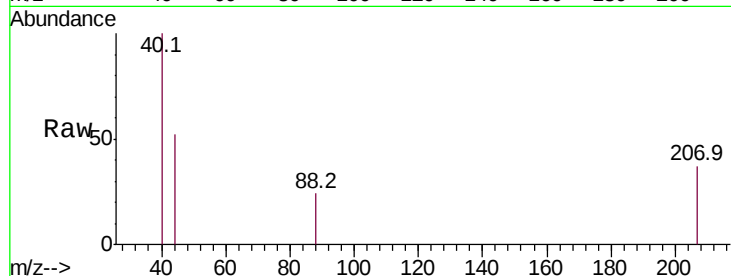
Tot Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 0.0 23.9 35.9#

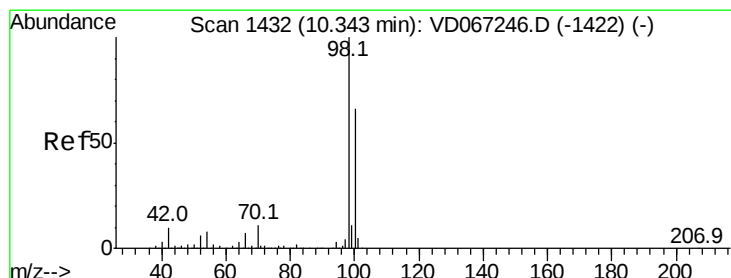
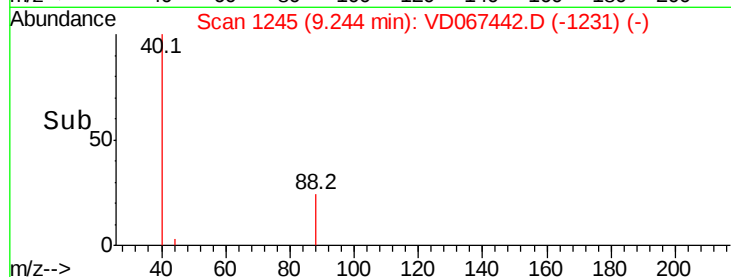
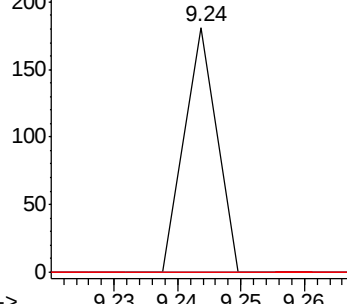
58 0.0 51.0 76.6#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.842 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067442.D

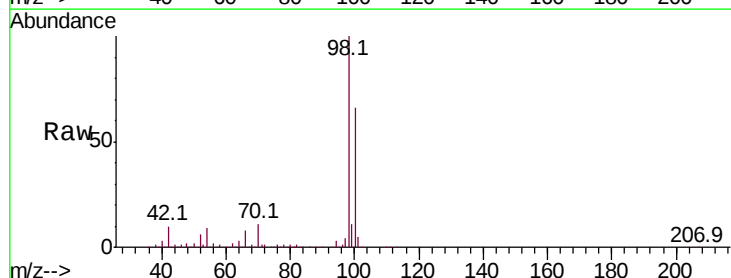
Acq: 28 Oct 2020 19:14

Tgt Ion: 98 Resp: 594481

Ion Ratio Lower Upper

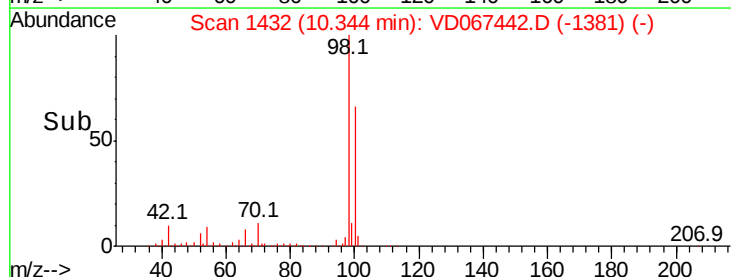
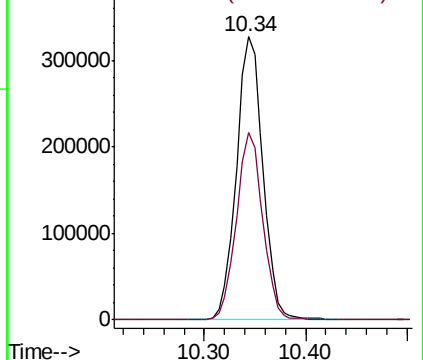
98 100

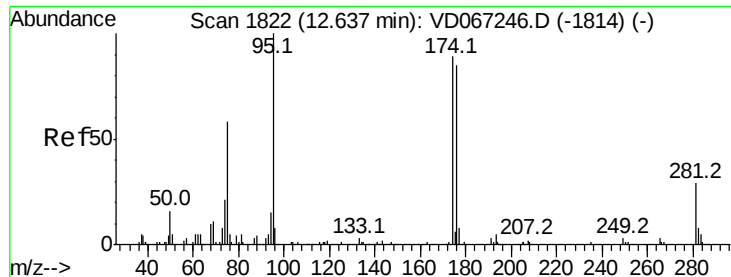
100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 49.979 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067442.D

Acq: 28 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

VOC-5

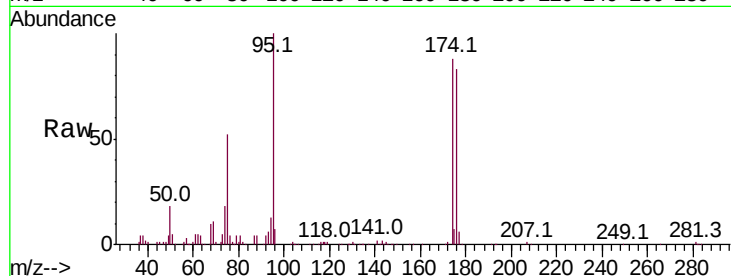
Tot Ion: 95 Resp: 211526

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.2

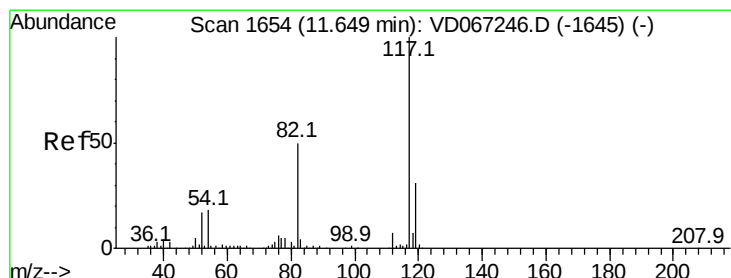
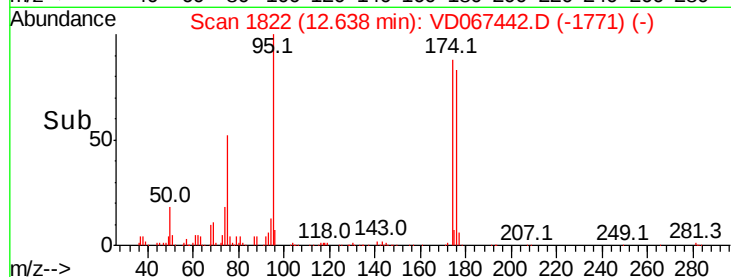
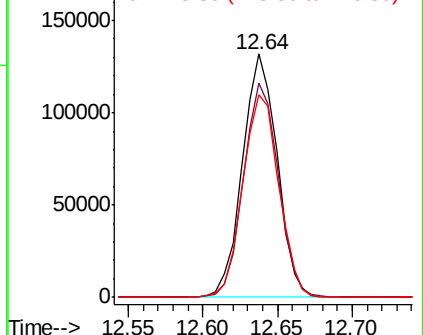
176 86.3 0.0 168.6



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: VD067442.D

Acq: 28 Oct 2020 19:14

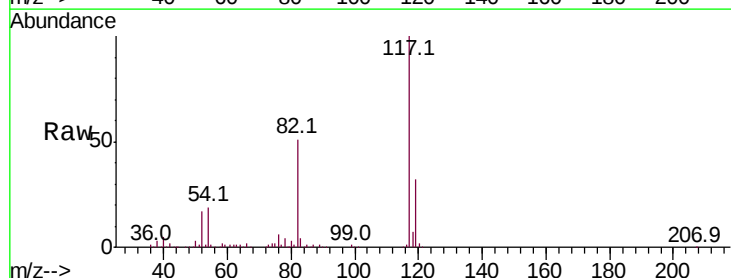
Tgt Ion: 117 Resp: 501761

Ion Ratio Lower Upper

117 100

82 50.8 39.9 59.9

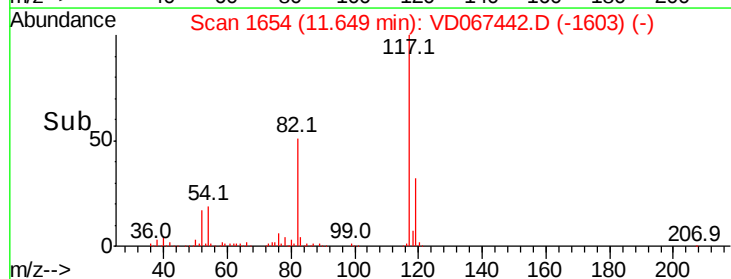
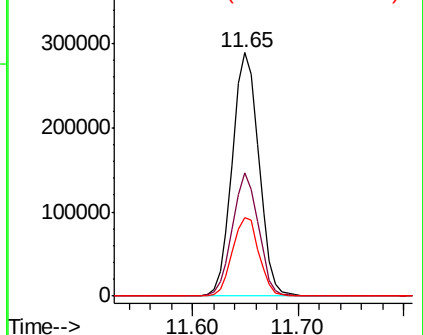
119 32.5 24.9 37.3

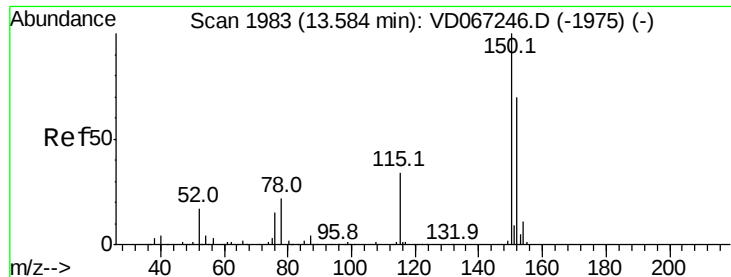


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



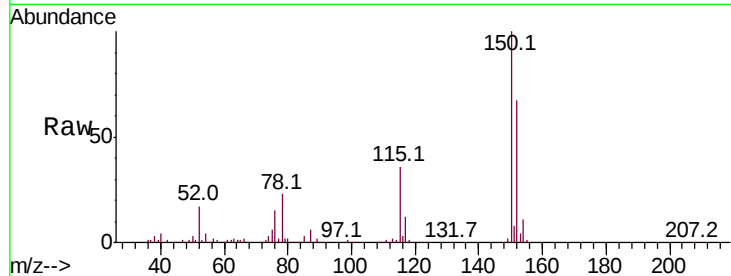


#72

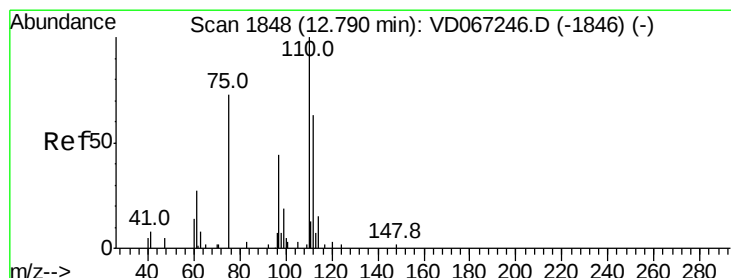
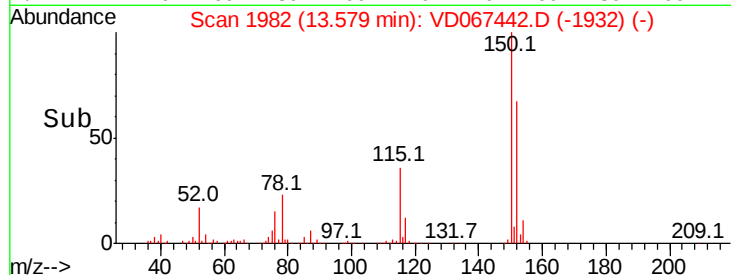
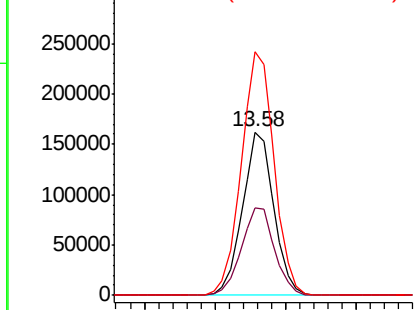
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067442.D
Acq: 28 Oct 2020 19:14

Instrument :
MSVOA_D
ClientSampleId :
VOC-5

Tot Ion:152 Resp: 252059
Ion Ratio Lower Upper
152 100
115 56.7 29.3 87.9
150 155.2 0.0 339.0



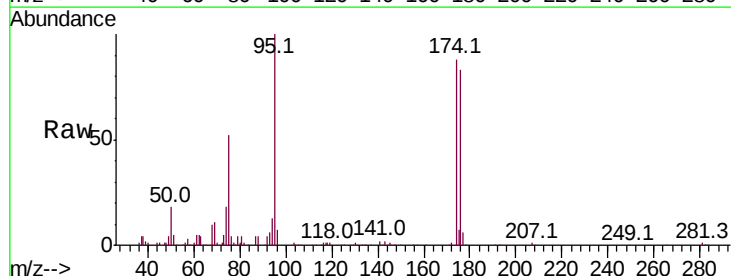
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



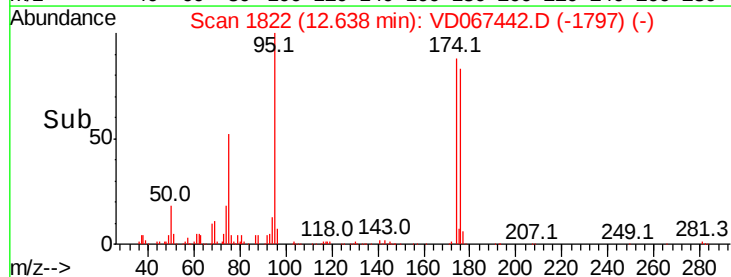
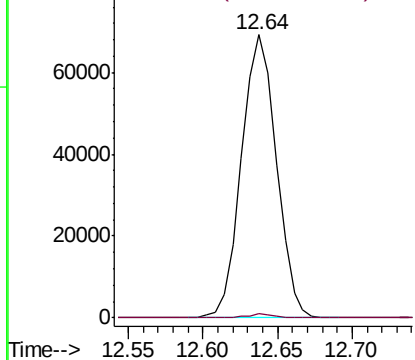
#76

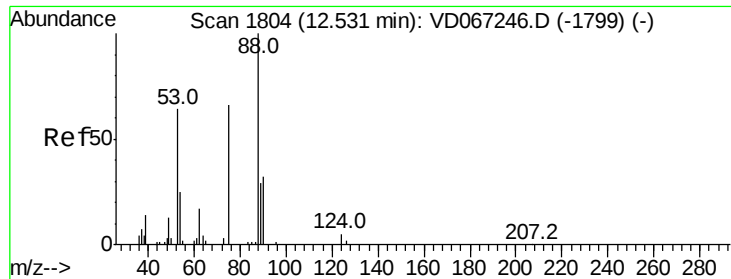
1,2,3-Trichloropropane
Concen: 64.345 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067442.D
Acq: 28 Oct 2020 19:14

Tgt Ion: 75 Resp: 112411
Ion Ratio Lower Upper
75 100
77 1.3 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: 145.915 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067442.D

Acq: 28 Oct 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

VOC-5

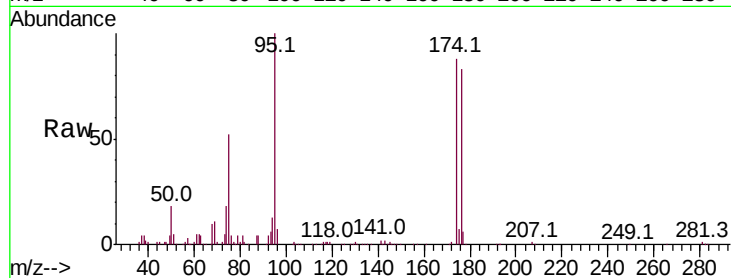
Tot Ion: 75 Resp: 112411

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#



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

