

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067438.D
 Acq On : 28 Oct 2020 17:24
 Operator : VA/SY
 Sample : L4529-01
 Misc : 7.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-T3

Quant Time: Oct 29 00:46:34 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	336761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	546646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	538276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	267875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	171259	50.76	ug/l	0.00
Spiked Amount						
				Recovery	=	101.52%
35) Dibromofluoromethane	7.92	113	177073	48.67	ug/l	0.00
Spiked Amount				Recovery	=	97.34%
50) Toluene-d8	10.34	98	640057	48.62	ug/l	0.00
Spiked Amount				Recovery	=	97.24%
62) 4-Bromofluorobenzene	12.64	95	232725	50.84	ug/l	0.00
Spiked Amount				Recovery	=	101.68%

Target Compounds

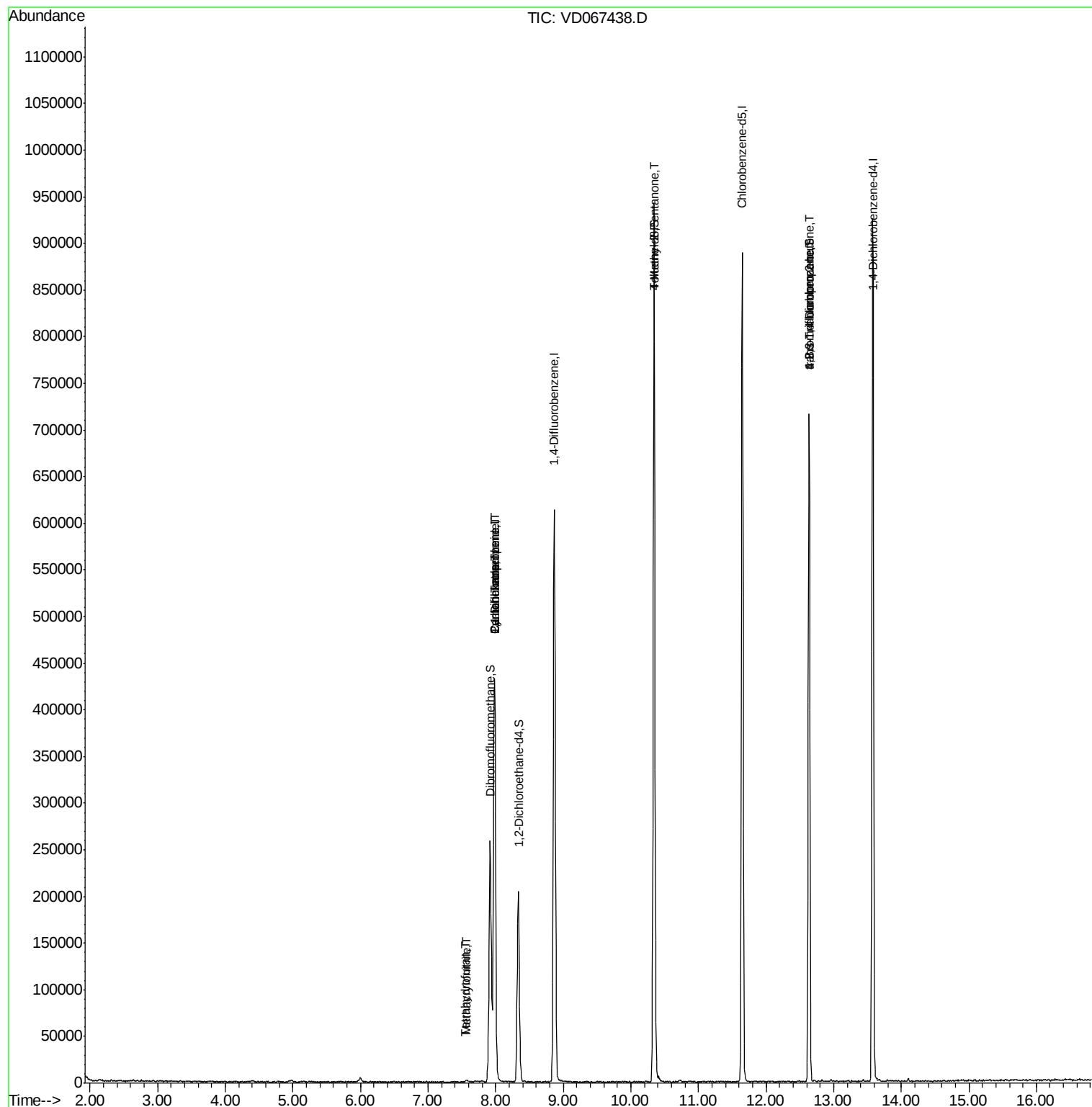
					Qvalue
5) Bromomethane	2.77	94	79	Below Cal	90
11) Tert butyl alcohol	5.25	59	56	Below Cal	# 81
20) Methylene Chloride	4.96	84	1739	Below Cal	# 46
29) Tetrahydrofuran	7.55	42	1577	5.267 ug/l	# 26
31) Cyclohexane	7.98	56	6675	1.718 ug/l	# 20
36) 1,1-Dichloropropene	7.98	75	22825	4.926 ug/l	# 51
38) Carbon Tetrachloride	7.98	117	36020	6.083 ug/l	# 17
41) Methacrylonitrile	7.57	41	854	1.159 ug/l	# 14
51) 4-Methyl-2-Pentanone	10.35	43	2087	1.547 ug/l	# 1
76) 1,2,3-Trichloropropane	12.64	75	118275	63.704 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	118275	144.462 ug/l	# 10

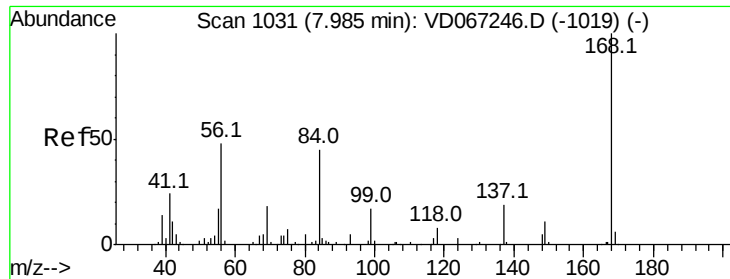
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 29 00:46:34 2020
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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# 1030

Delta R.T. -0.01 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

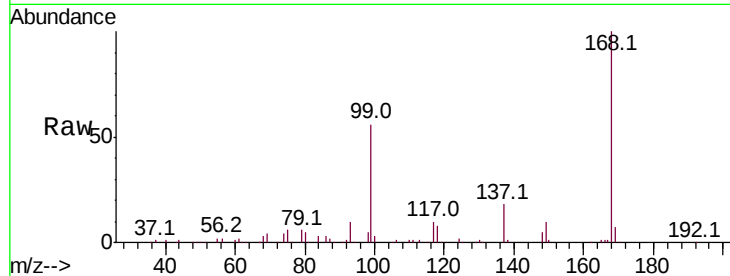
TP-T3

Tot Ion:168 Resp: 336761

Ion Ratio Lower Upper

168 100

99 56.2 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

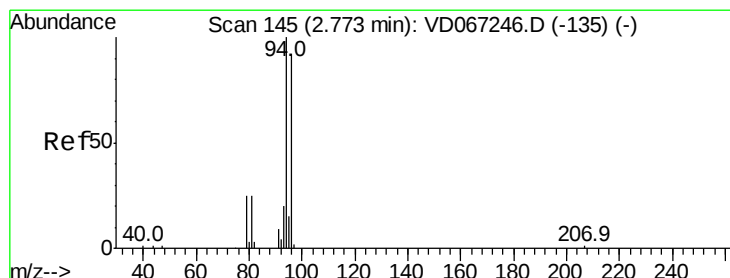
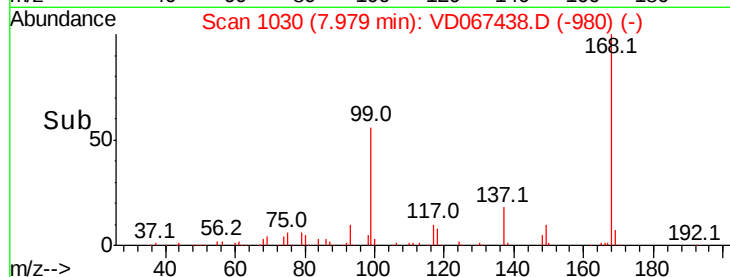
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067438.D

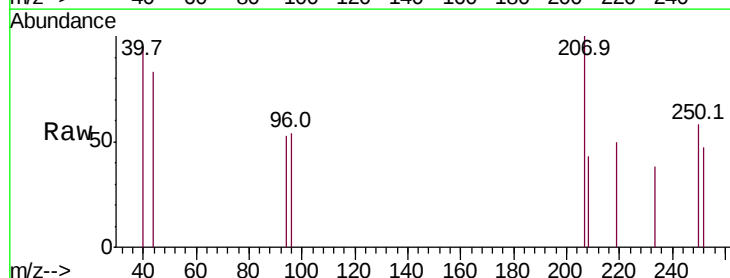
Acq: 28 Oct 2020 17:24

Tgt Ion: 94 Resp: 79

Ion Ratio Lower Upper

94 100

96 102.2 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

300

250

200

150

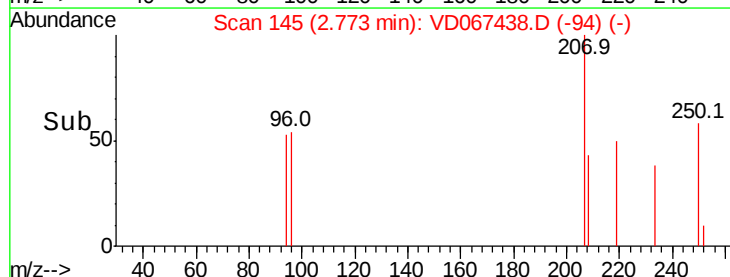
100

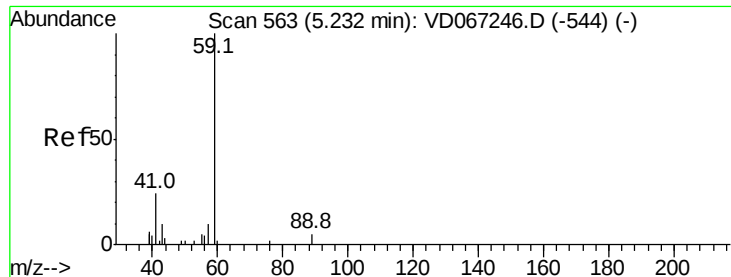
50

0

Time-->

2.76 2.77 2.78

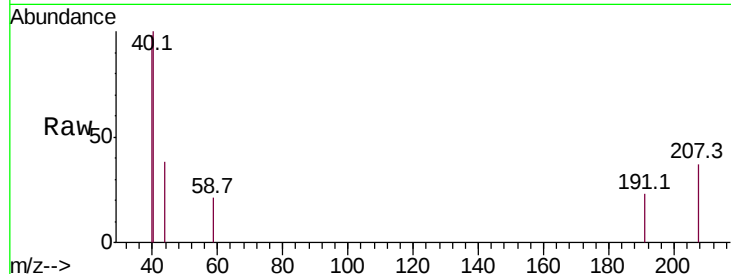




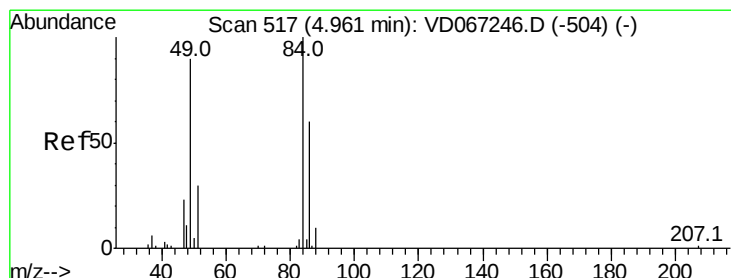
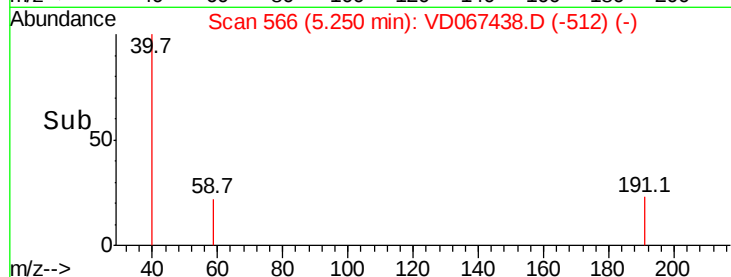
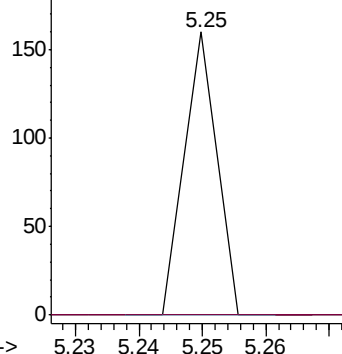
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 566
Delta R.T. 0.02 min
Lab File: VD067438.D
Acq: 28 Oct 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
TP-T3

Tot Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#

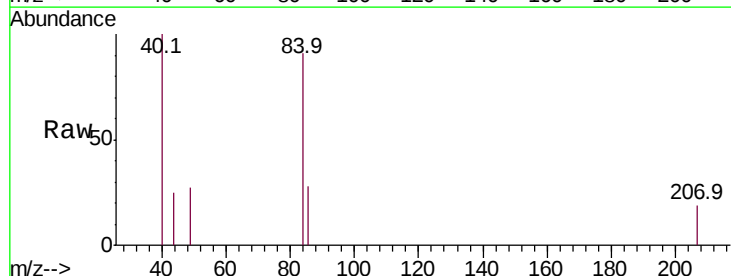


Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC

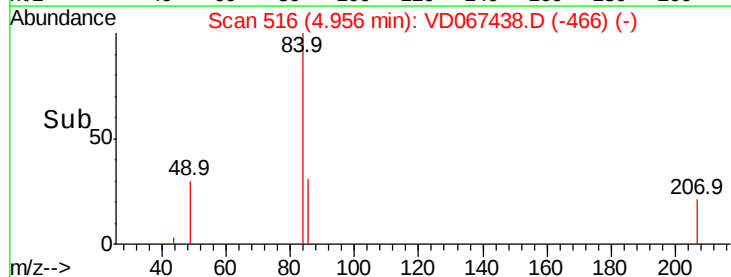
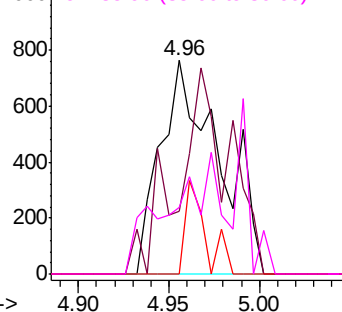


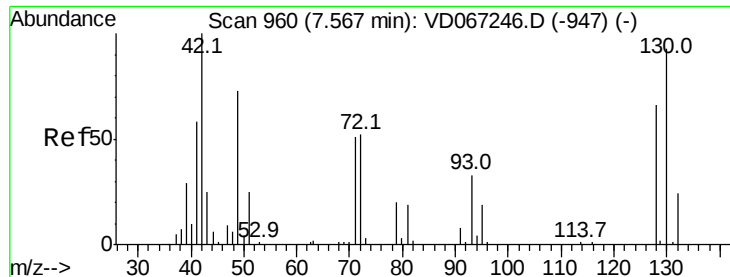
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067438.D
Acq: 28 Oct 2020 17:24

Tgt Ion: 84 Resp: 1739
Ion Ratio Lower Upper
84 100
49 29.6 72.2 108.2#
51 0.0 23.8 35.8#
86 30.9 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: 5.267 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.02 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

TP-T3

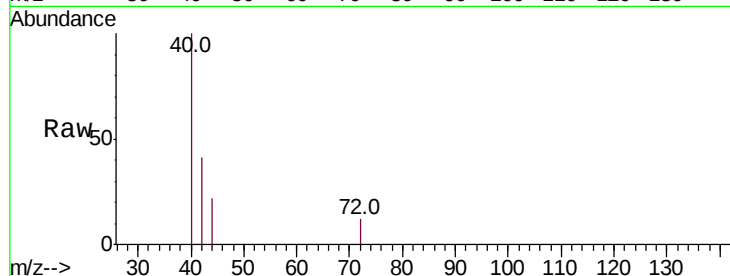
Tot Ion: 42 Resp: 1577

Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

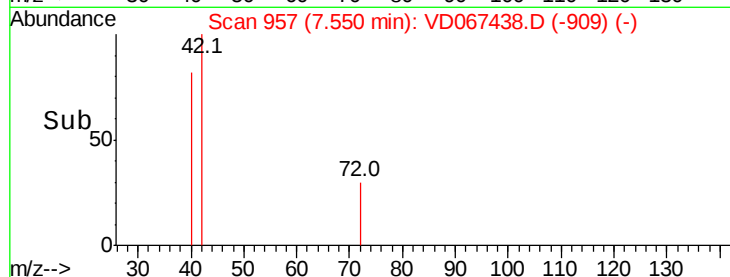
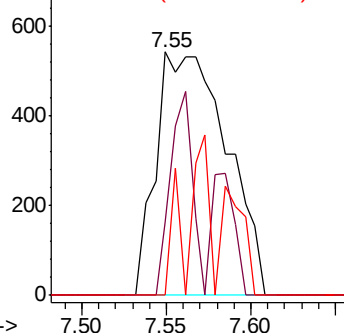
71 0.0 39.4 59.0#



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: 1.718 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

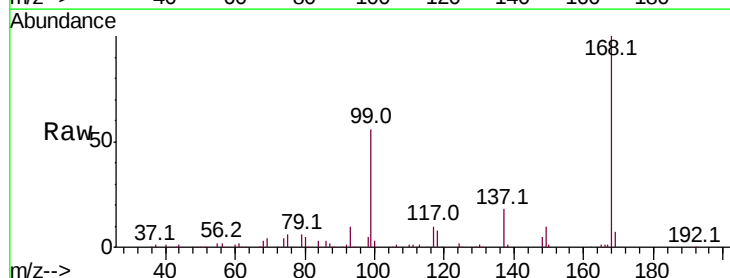
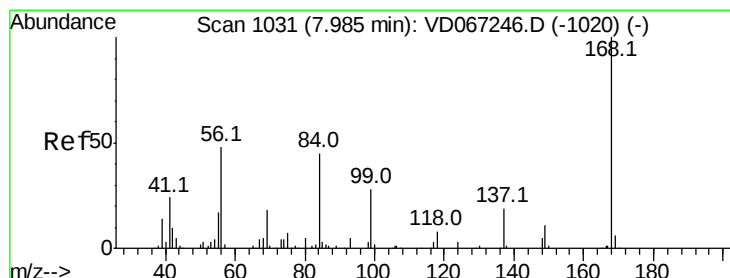
Tgt Ion: 56 Resp: 6675

Ion Ratio Lower Upper

56 100

69 163.4 29.8 44.6#

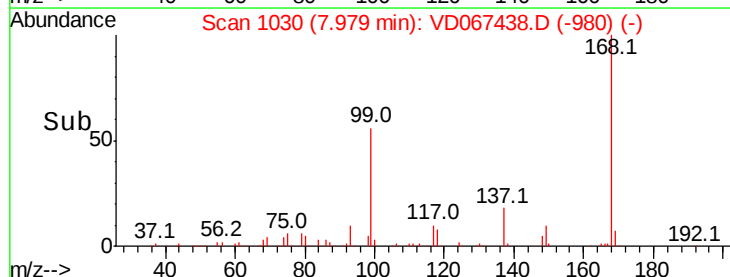
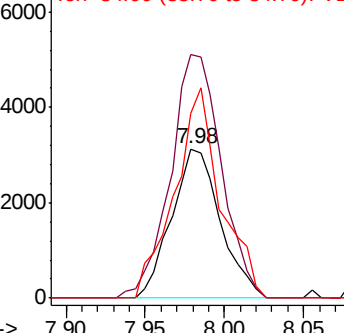
84 124.1 76.6 114.8#

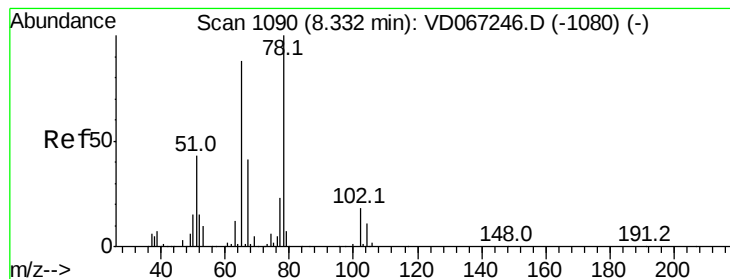


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.761 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

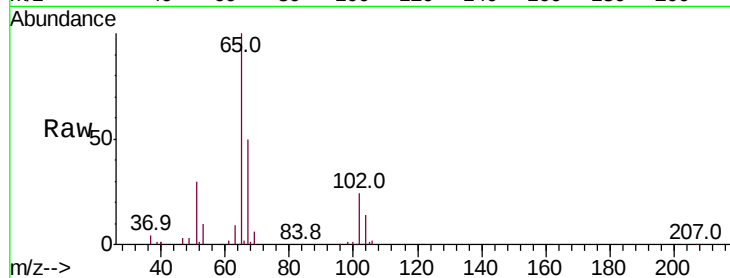
TP-T3

Tot Ion: 65 Resp: 171259

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

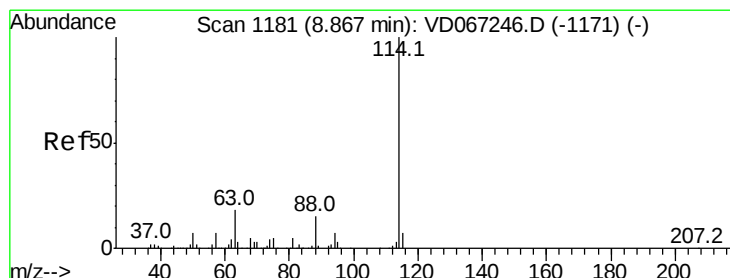
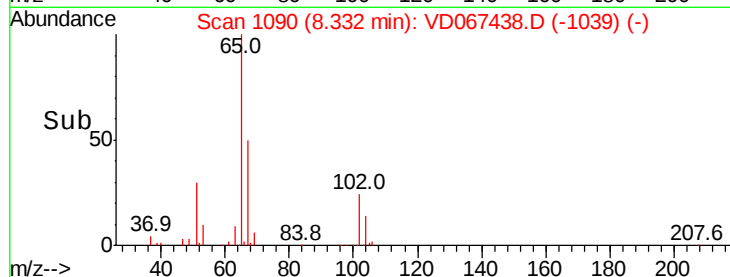
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

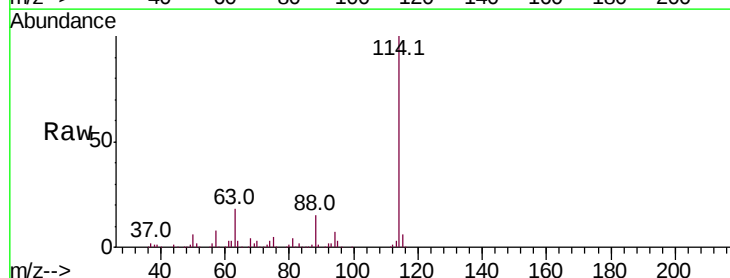
Tgt Ion:114 Resp: 546646

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.9 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

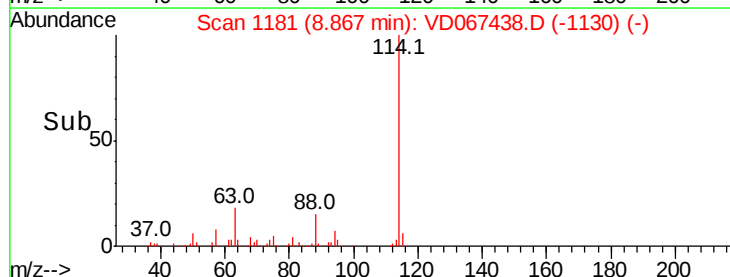
300000

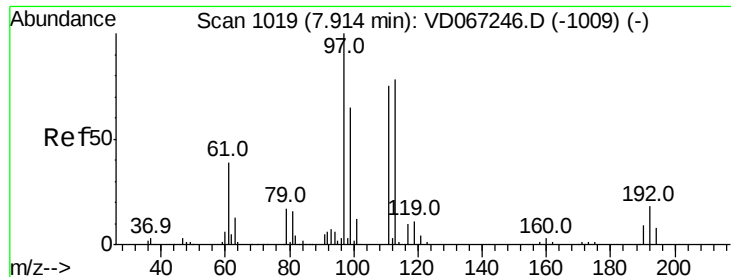
200000

100000

0

Time--> 8.80 8.90 9.00

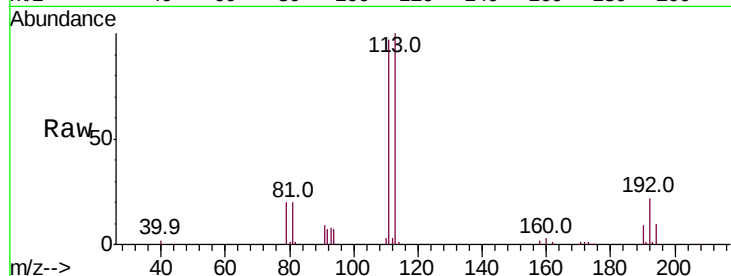




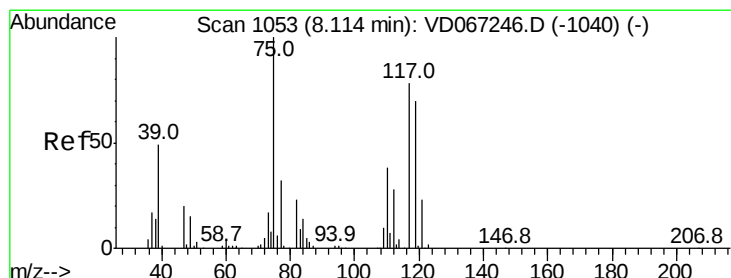
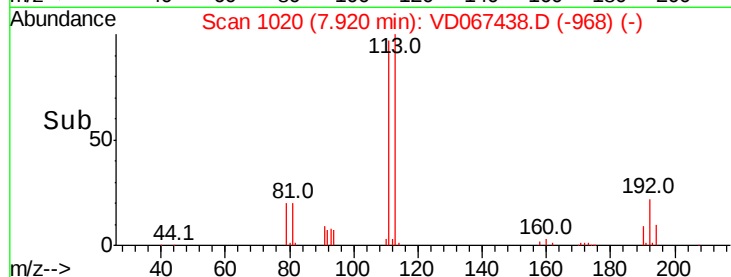
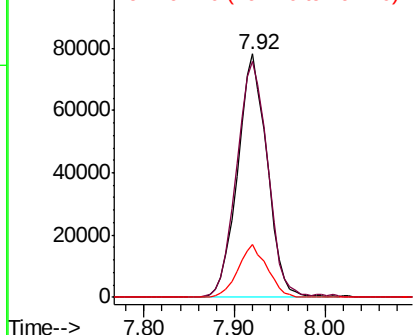
#35
 Dibromofluoromethane
 Concen: 48.674 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067438.D
 Acq: 28 Oct 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-T3

Tot Ion:113 Resp: 177073
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.6 122.4
 192 21.5 17.0 25.4

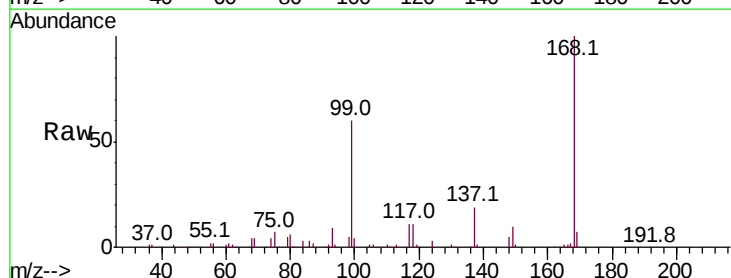


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

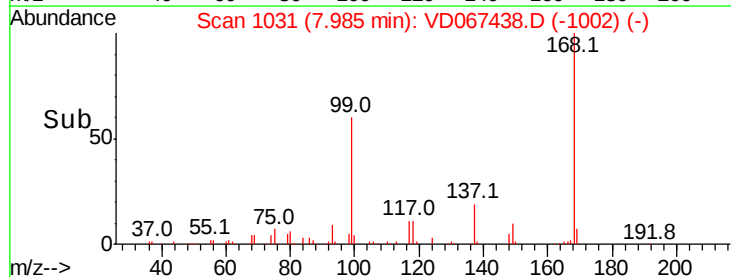
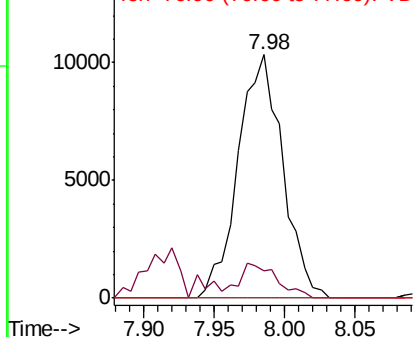


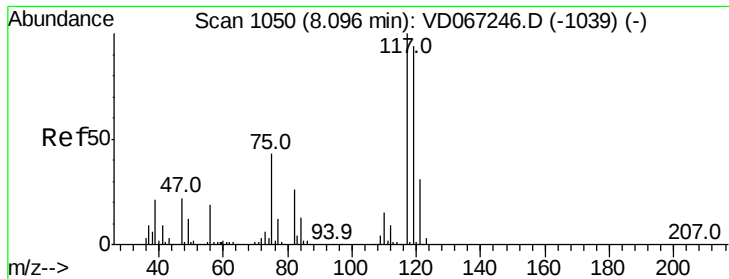
#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067438.D
 Acq: 28 Oct 2020 17:24

Tgt Ion: 75 Resp: 22825
 Ion Ratio Lower Upper
 75 100
 110 12.1 19.6 58.7#
 77 0.0 24.6 37.0#



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





#38

Carbon Tetrachloride

Concen: 6.083 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampled :

TP-T3

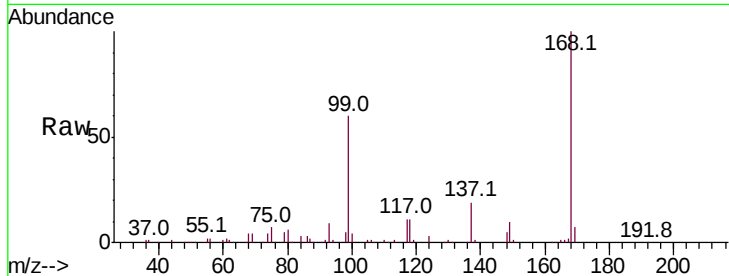
Tot Ion:117 Resp: 36020

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.4#

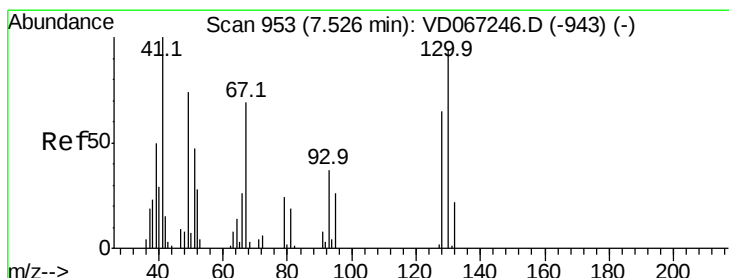
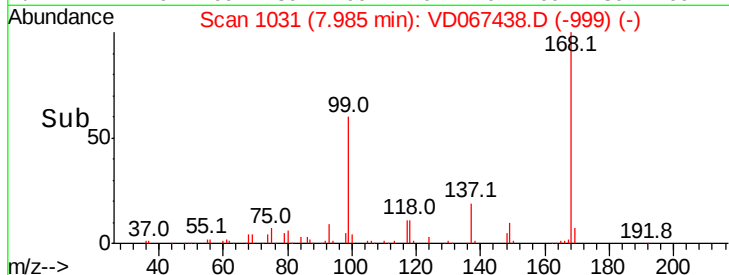
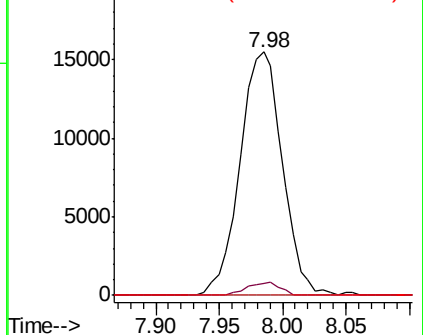
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 1.159 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

Tgt Ion: 41 Resp: 854

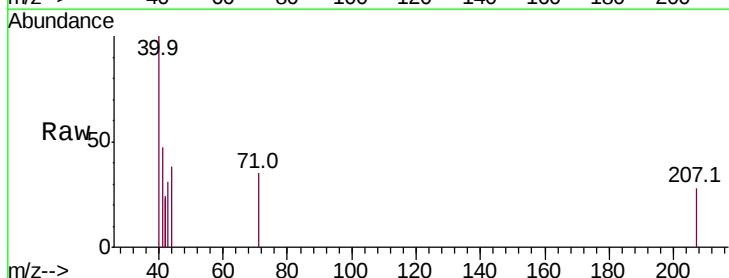
Ion Ratio Lower Upper

41 100

39 17.7 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

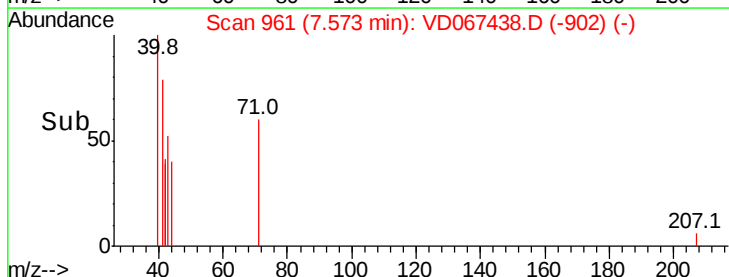
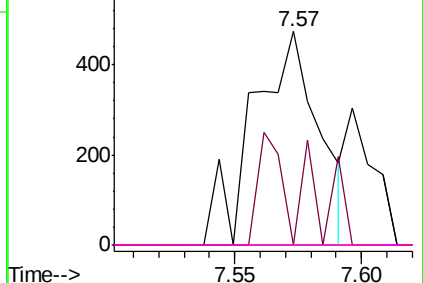


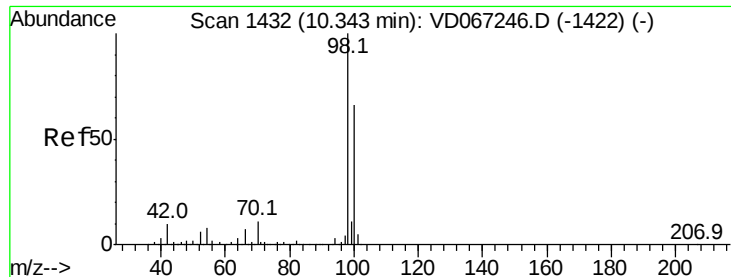
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 48.617 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

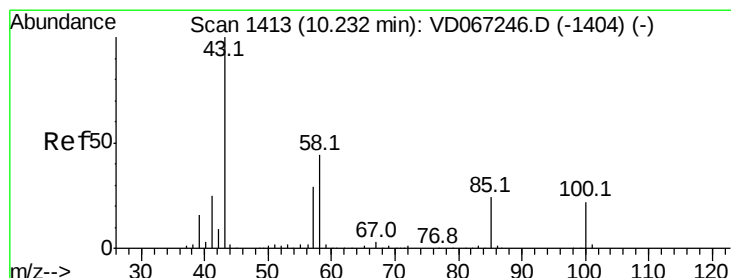
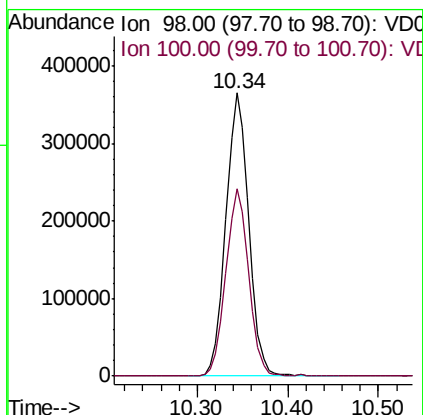
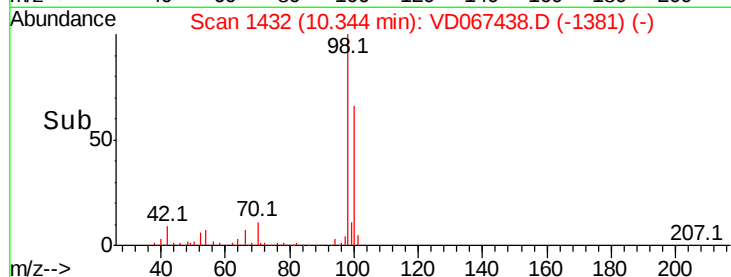
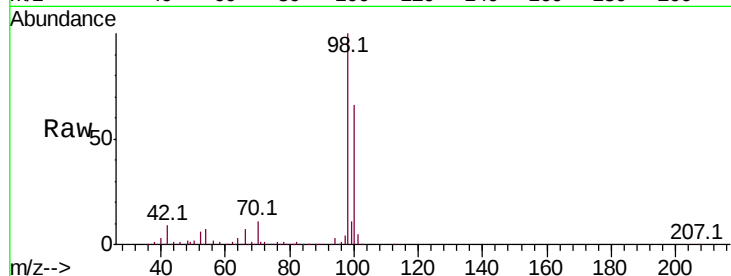
TP-T3

Tot Ion: 98 Resp: 640057

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.547 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067438.D

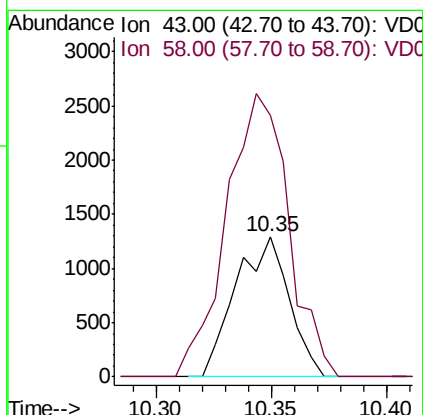
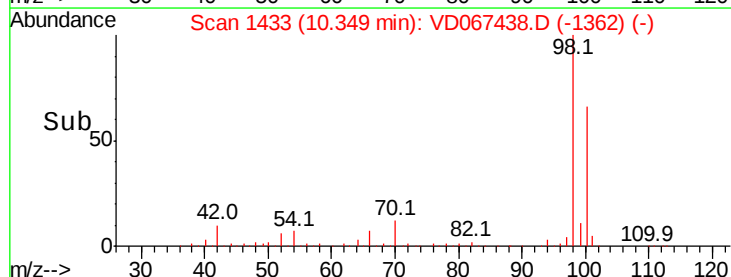
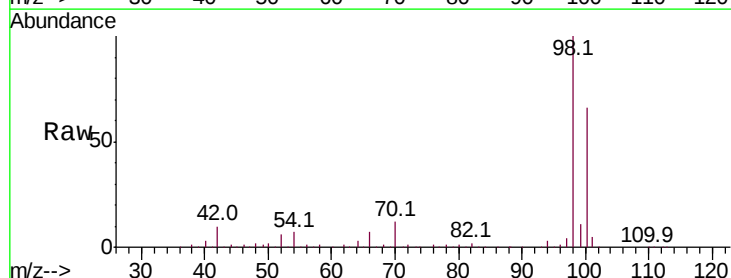
Acq: 28 Oct 2020 17:24

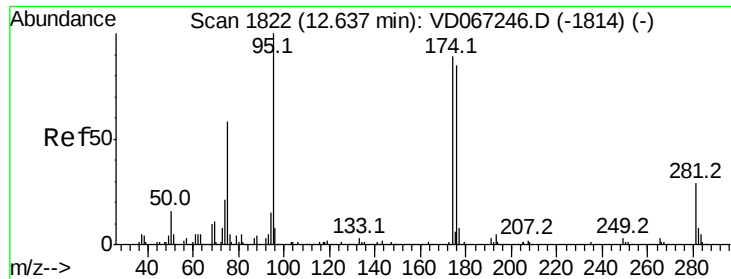
Tgt Ion: 43 Resp: 2087

Ion Ratio Lower Upper

43 100

58 234.8 35.7 53.5#

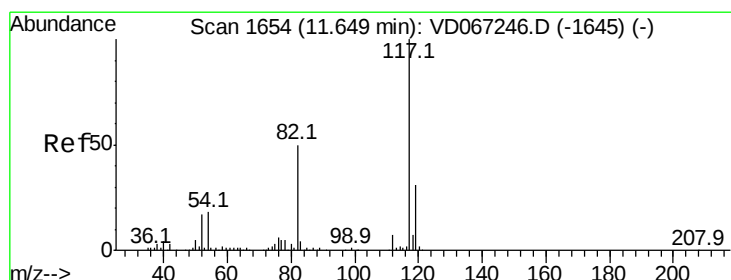
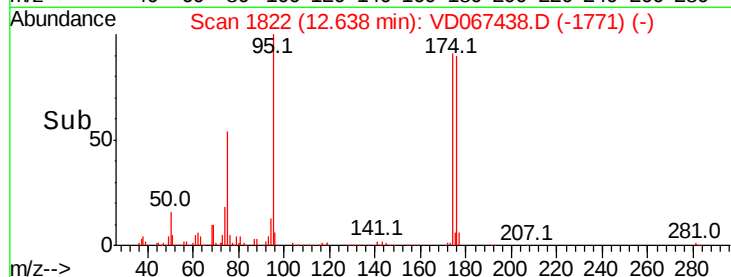
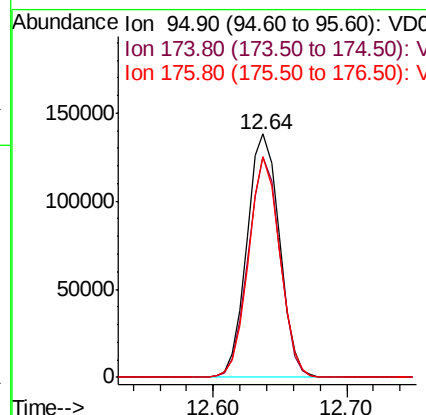
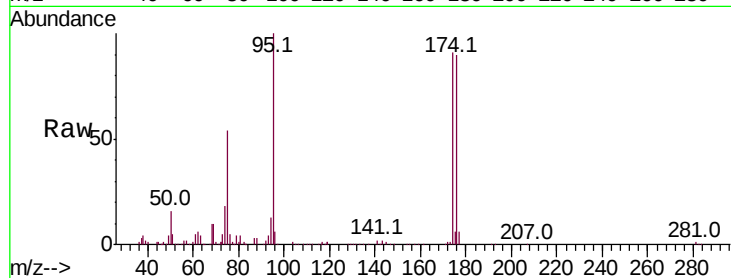




#62
4-Bromofluorobenzene
Concen: 50.837 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067438.D
Acq: 28 Oct 2020 17:24

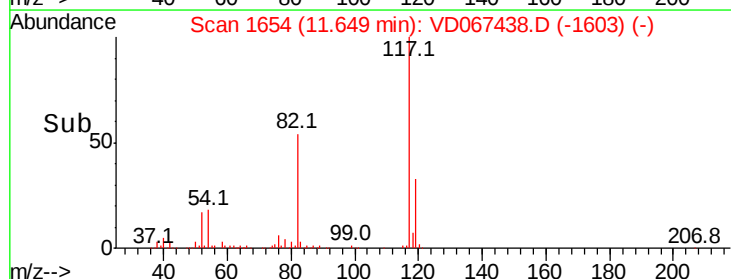
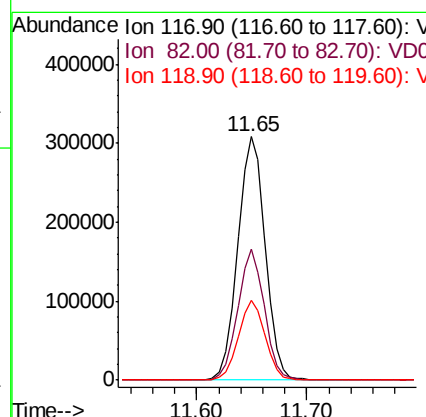
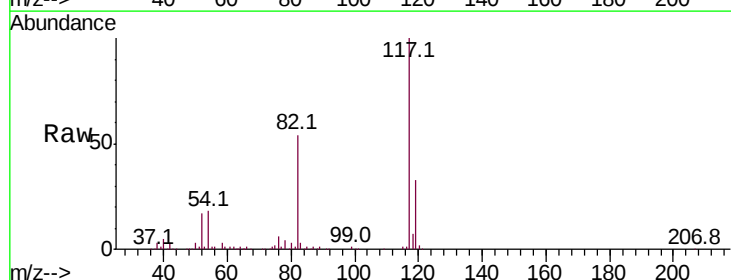
Instrument :
MSVOA_D
ClientSampleId :
TP-T3

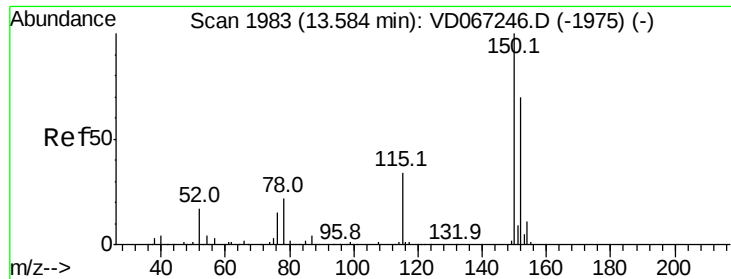
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	175.2
176	86.7	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067438.D
Acq: 28 Oct 2020 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	39.9	59.9
119	32.8	24.9	37.3



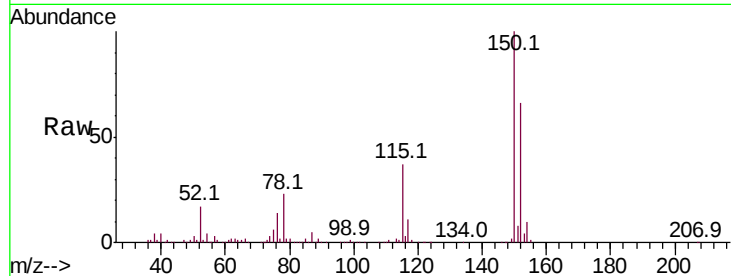


#72

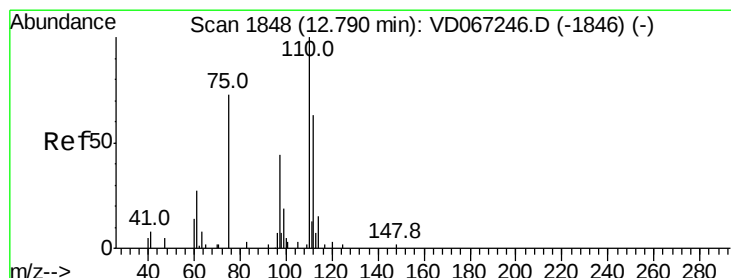
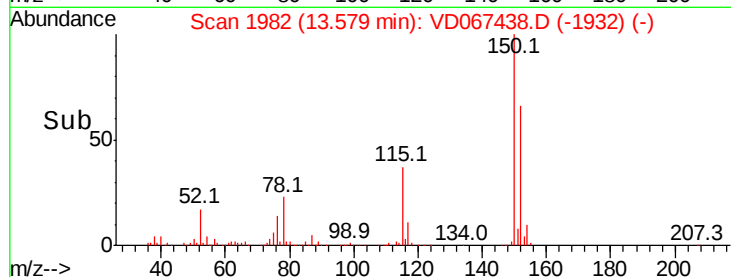
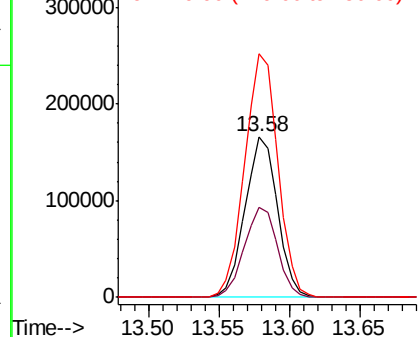
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067438.D
Acq: 28 Oct 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
TP-T3

Tot Ion:152 Resp: 267875
Ion Ratio Lower Upper
152 100
115 57.0 29.3 87.9
150 155.0 0.0 339.0



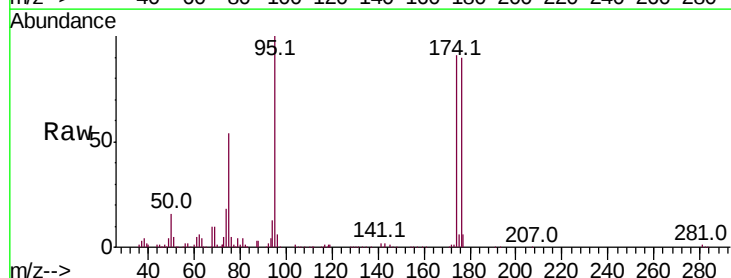
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



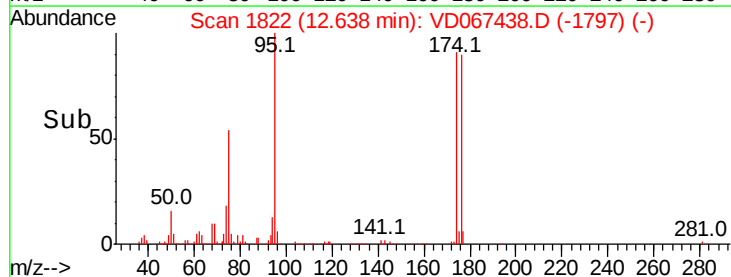
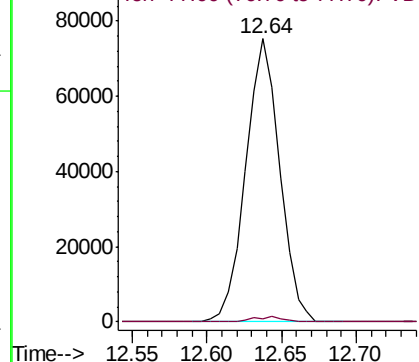
#76

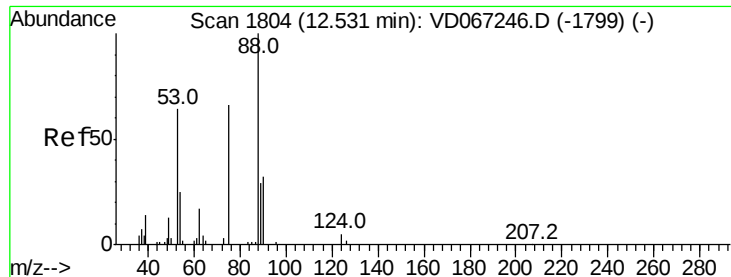
1,2,3-Trichloropropane
Concen: 63.704 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067438.D
Acq: 28 Oct 2020 17:24

Tgt Ion: 75 Resp: 118275
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: 144.462 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067438.D

Acq: 28 Oct 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

TP-T3

Tot Ion: 75 Resp: 118275

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

