

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067298.D
 Acq On : 16 Oct 2020 15:40
 Operator : VA/SY
 Sample : L4454-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT

Quant Time: Oct 17 00:40:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	562931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	537512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250499	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	173411	51.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.20%	
35) Dibromofluoromethane	7.91	113	181924	48.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.12%	
50) Toluene-d8	10.34	98	659068	48.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.64	95	226309	48.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.02%	

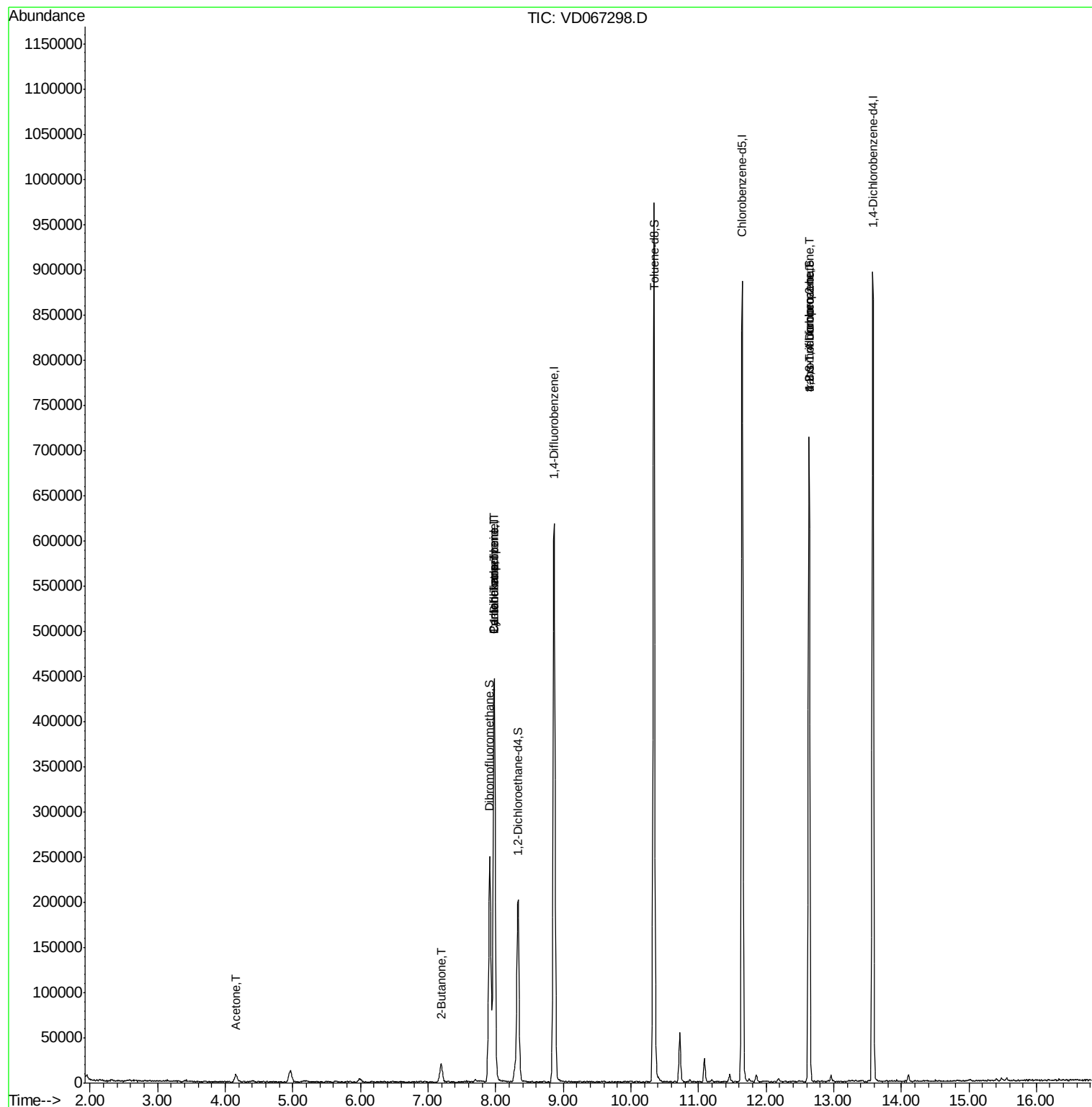
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	276	Below Cal	#	44
5) Bromomethane	2.79	94	224	Below Cal	#	37
11) Tert butyl alcohol	5.23	59	202	Below Cal	#	81
16) Acetone	4.16	43	13828	29.096	ug/l	96
20) Methylene Chloride	4.96	84	10517	Below Cal	#	88
25) 2-Butanone	7.20	43	1099	2.029	ug/l	# 45
31) Cyclohexane	7.98	56	6900	1.765	ug/l	# 20
36) 1,1-Dichloropropene	7.97	75	24421	5.118	ug/l	# 50
38) Carbon Tetrachloride	7.98	117	35867	5.882	ug/l	# 16
76) 1,2,3-Trichloropropane	12.64	75	115923	66.768	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	115923	151.411	ug/l	# 10

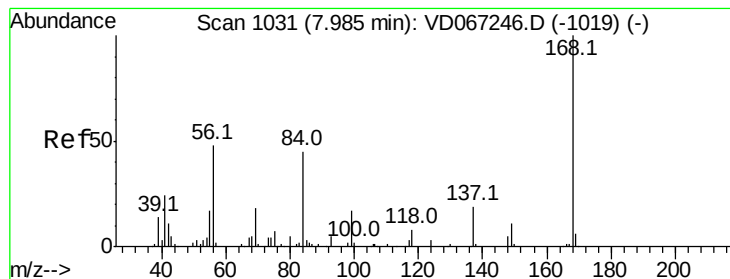
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

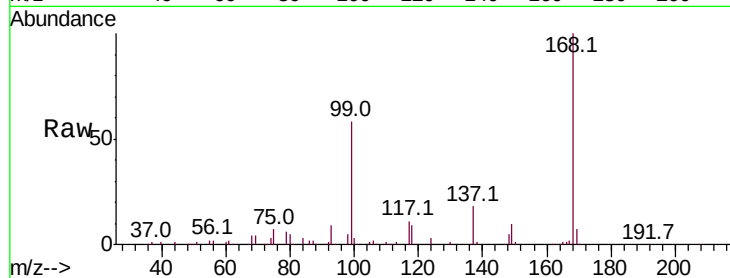
TEST-PIT

Tot Ion:168 Resp: 338724

Ion Ratio Lower Upper

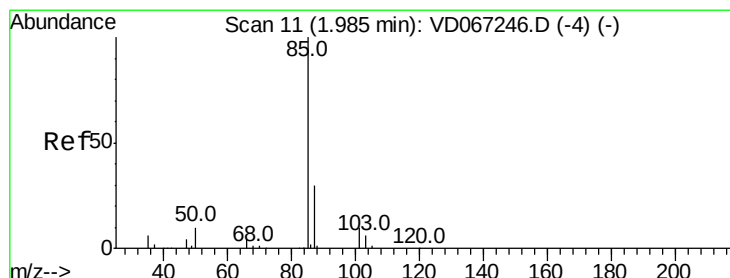
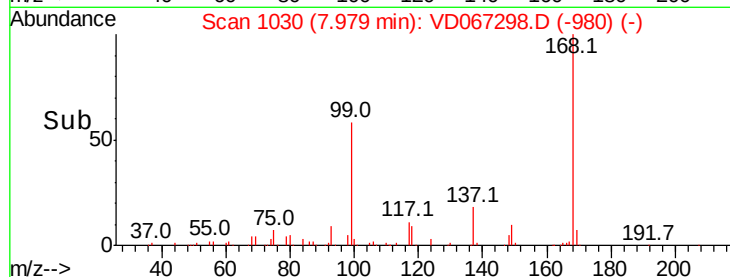
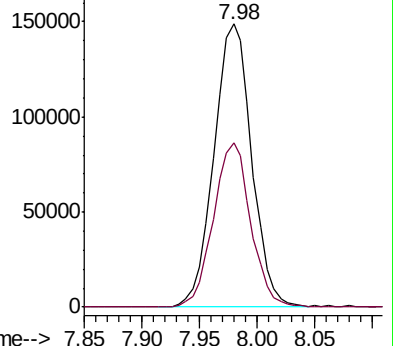
168 100

99 58.1 45.9 68.9



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: 1.98 min Scan# 10

Delta R.T. -0.00 min

Lab File: VD067298.D

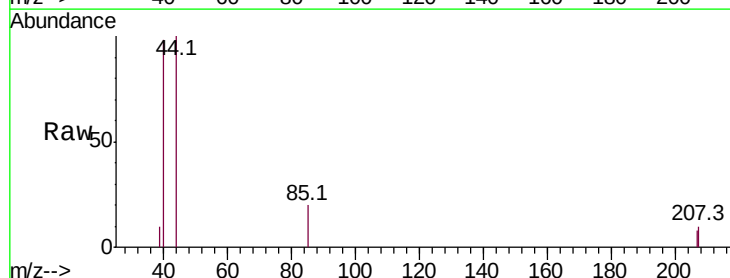
Acq: 16 Oct 2020 15:40

Tgt Ion: 85 Resp: 276

Ion Ratio Lower Upper

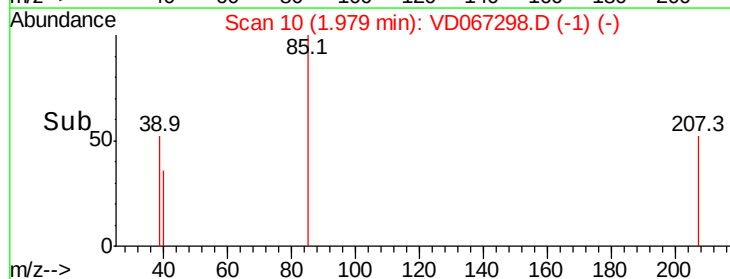
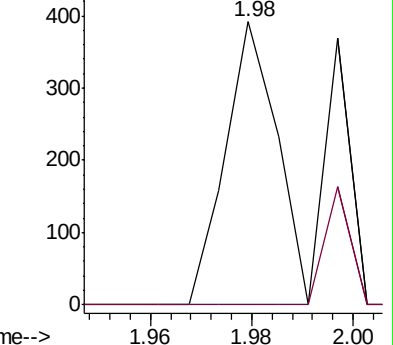
85 100

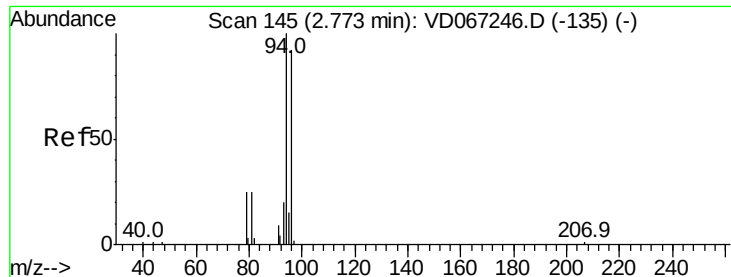
87 0.0 15.2 45.6#



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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

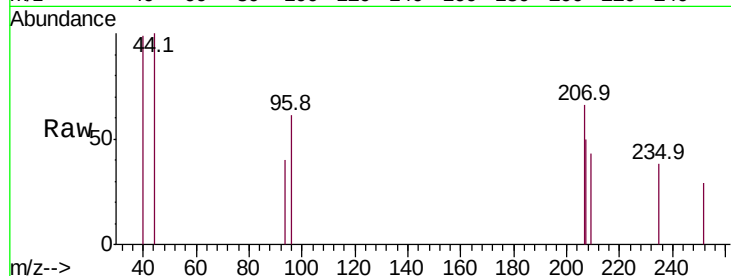
TEST-PIT

Tot Ion: 94 Resp: 224

Ion Ratio Lower Upper

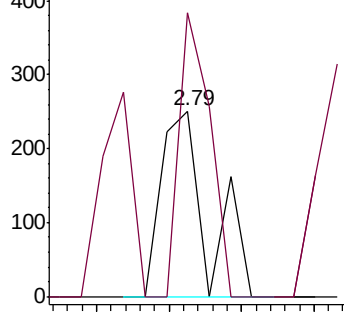
94 100

96 152.6 73.8 110.6#

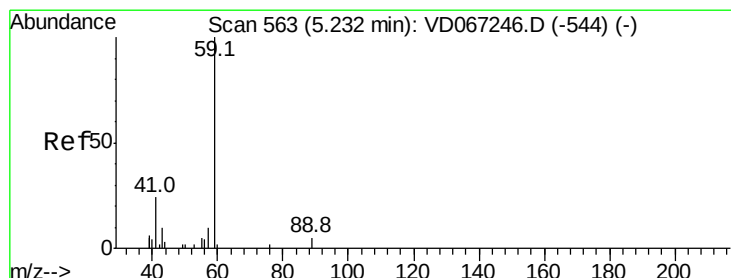
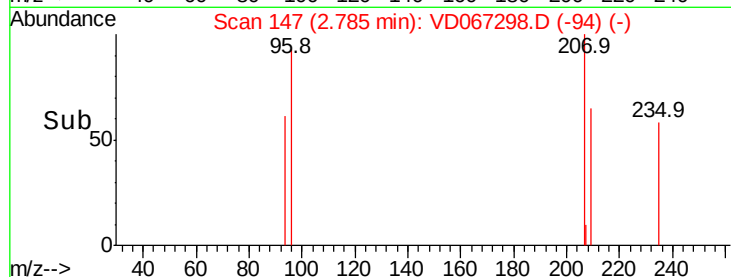


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD067298.D

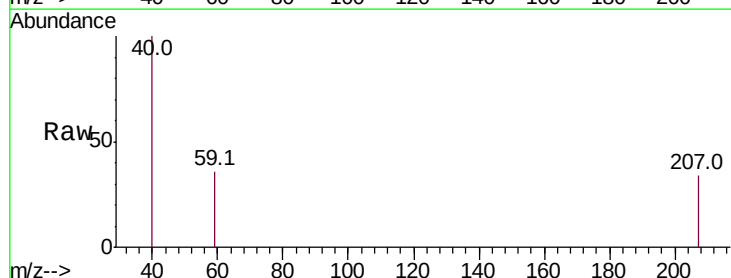
Acq: 16 Oct 2020 15:40

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

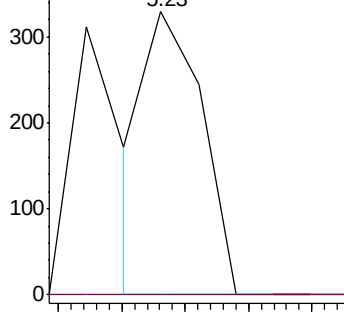
59 100

57 0.0 5.1 7.7#

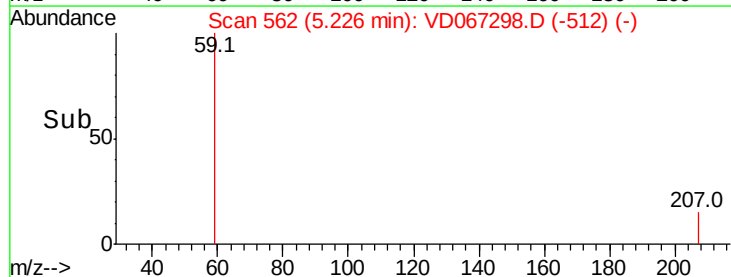


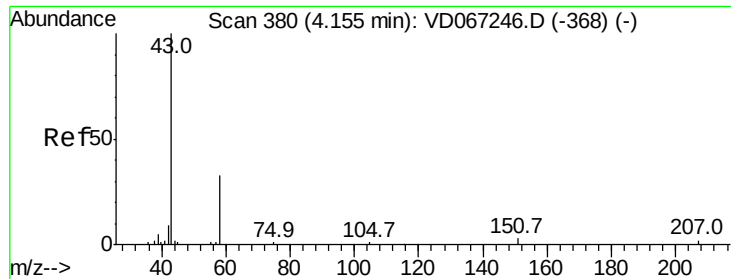
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 29.096 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

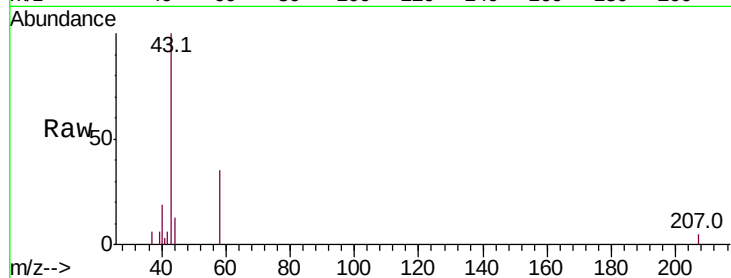
TEST-PIT

Tot Ion: 43 Resp: 13828

Ion Ratio Lower Upper

43 100

58 34.6 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

5000

4000

3000

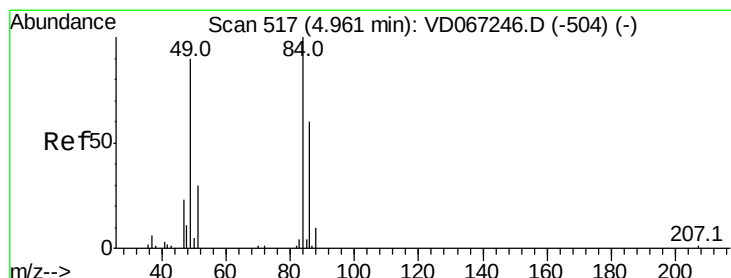
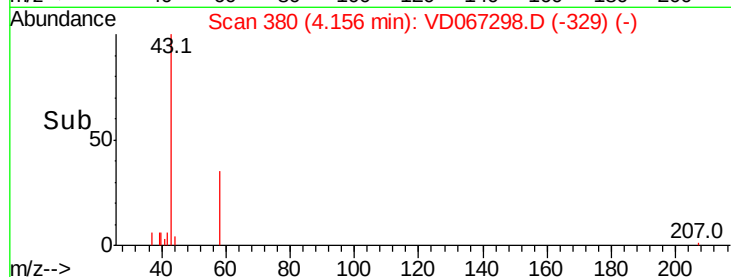
2000

1000

0

4.05 4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Tgt Ion: 84 Resp: 10517

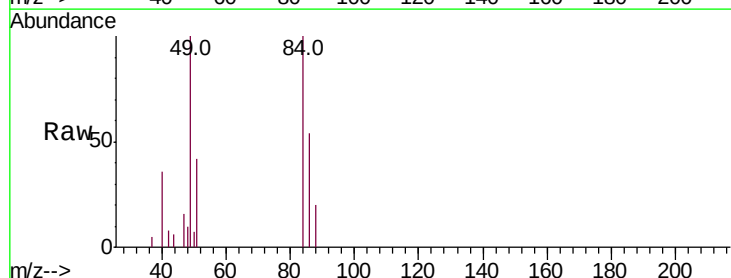
Ion Ratio Lower Upper

84 100

49 100.0 72.2 108.2

51 41.7 23.8 35.8#

86 53.9 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

5000

4000

3000

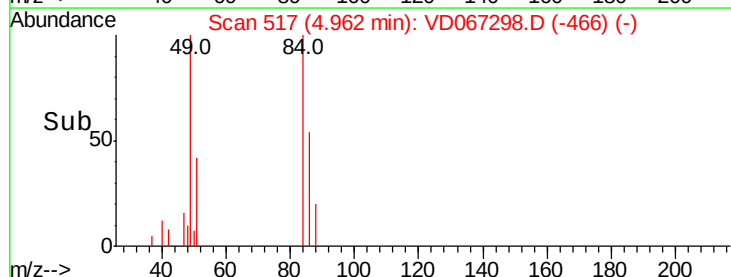
2000

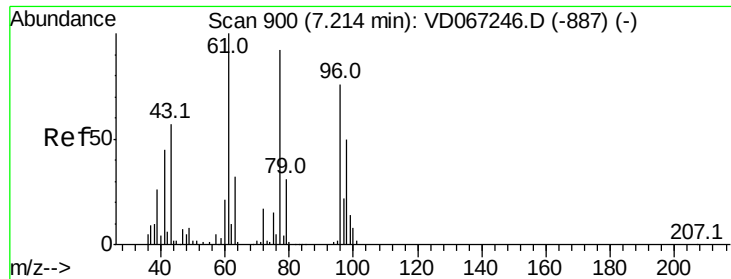
1000

0

4.85 4.90 4.95 5.00 5.05

Time-->

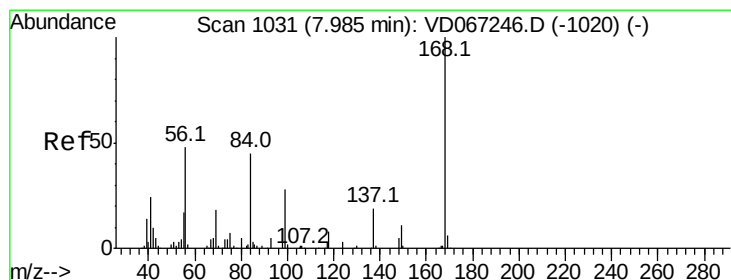
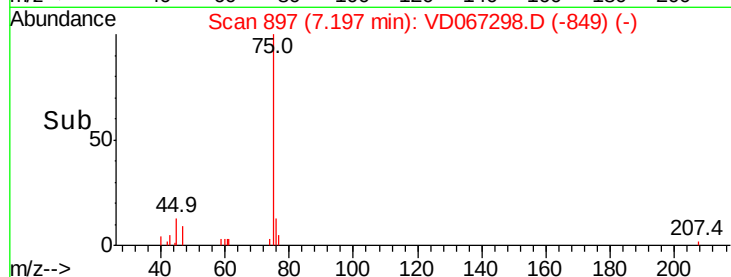
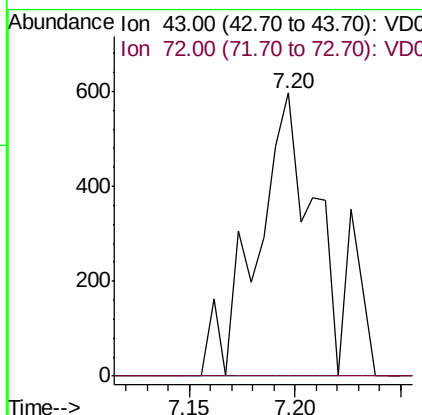
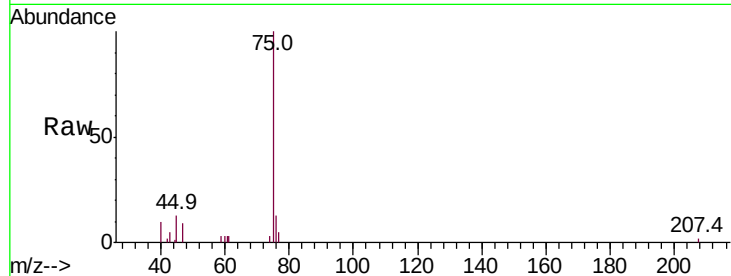




#25
2-Butanone
Concen: 2.029 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD067298.D
Acq: 16 Oct 2020 15:40

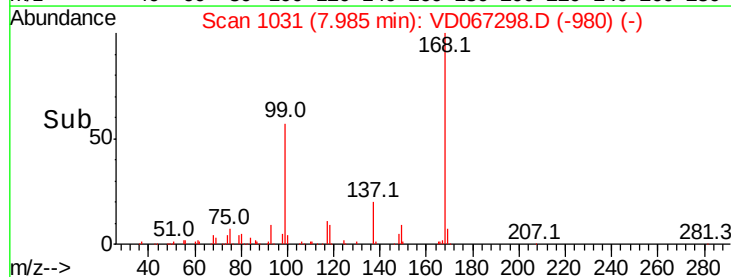
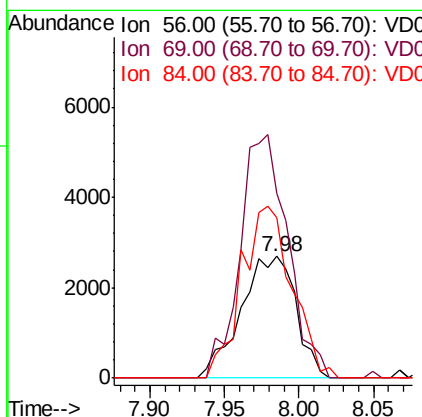
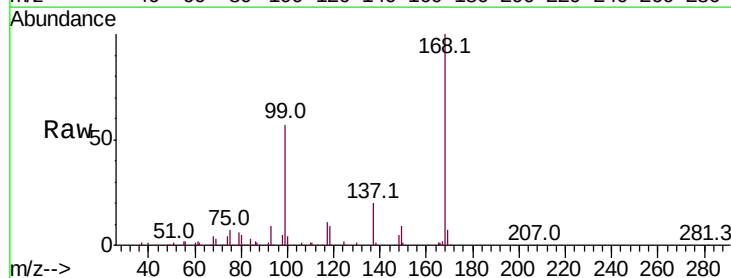
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT

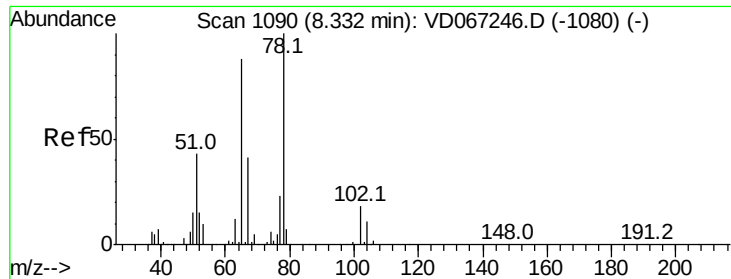
Tot Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.765 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067298.D
Acq: 16 Oct 2020 15:40

Tgt Ion: 56 Resp: 6900
Ion Ratio Lower Upper
56 100
69 151.5 29.8 44.6#
84 131.8 76.6 114.8#

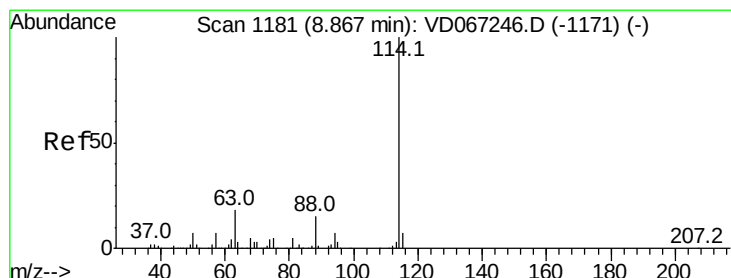
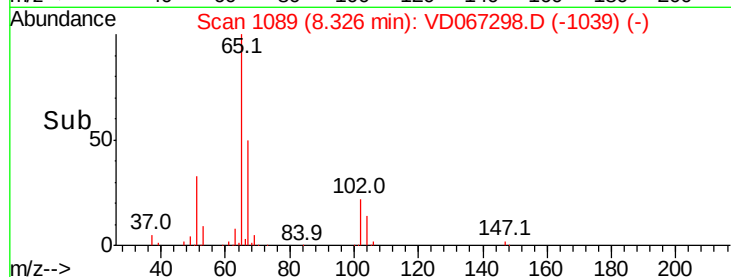
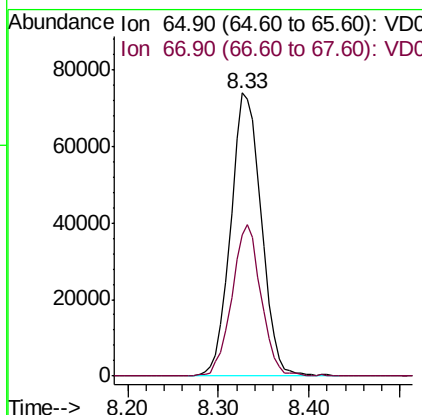
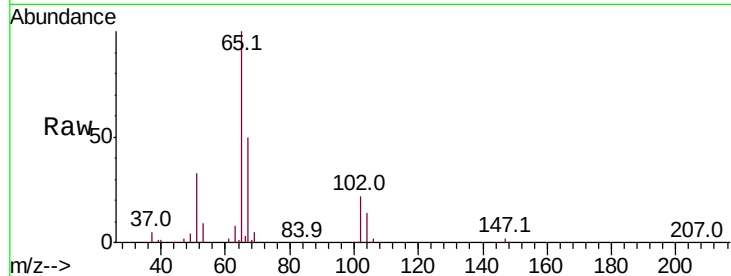




#33
 1,2-Dichloroethane-d4
 Concen: 51.101 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067298.D
 Acq: 16 Oct 2020 15:40

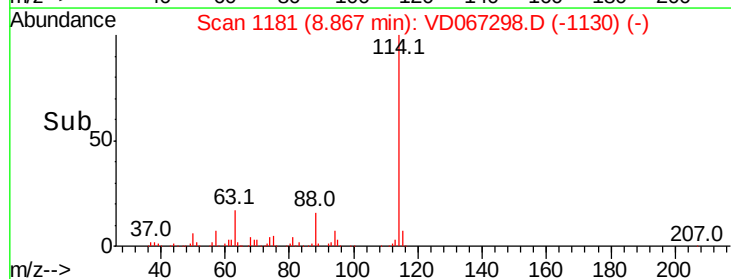
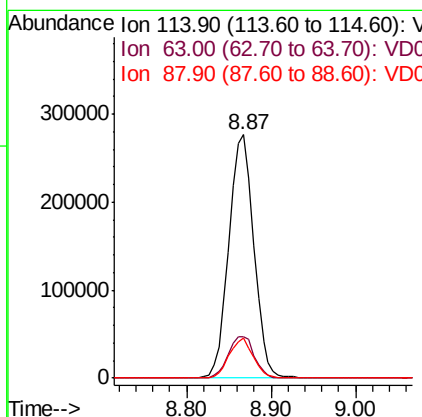
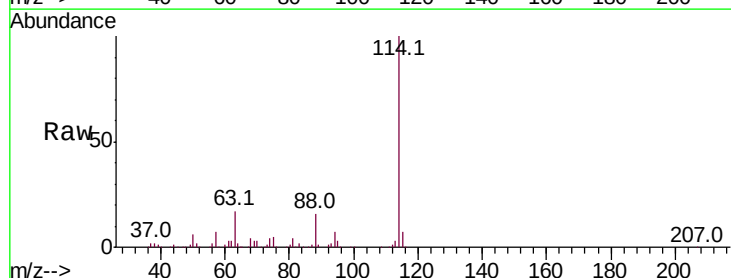
Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT

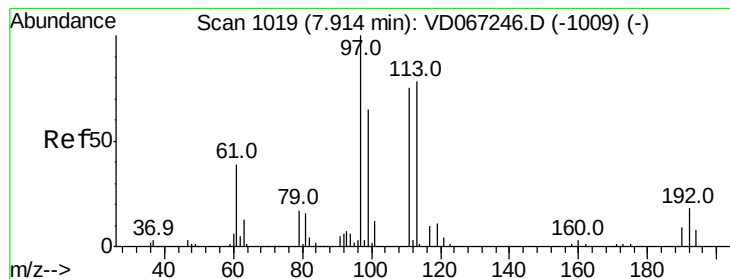
Tot Ion: 65 Resp: 173411
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067298.D
 Acq: 16 Oct 2020 15:40

Tgt Ion: 114 Resp: 562931
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.0
 88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

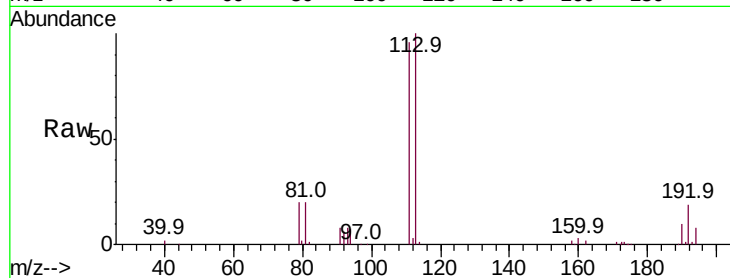
Tot Ion:113 Resp: 181924

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

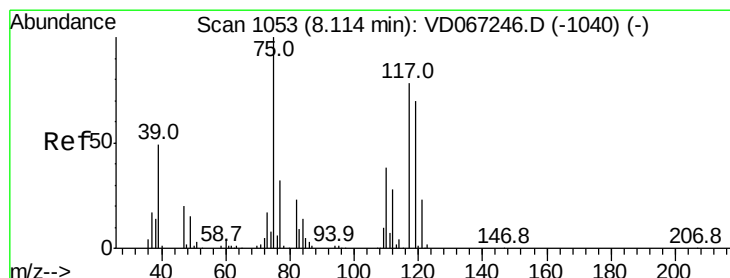
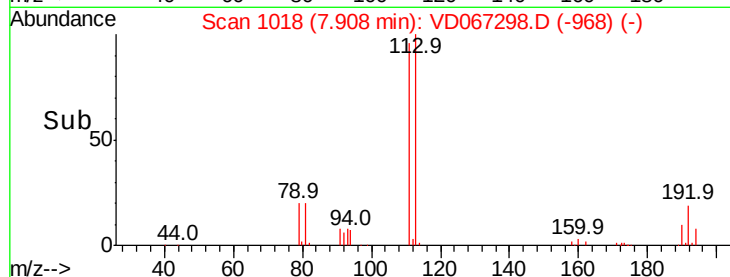
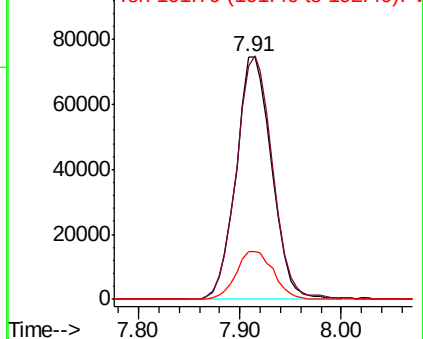
192 20.8 17.0 25.4



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: 5.118 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

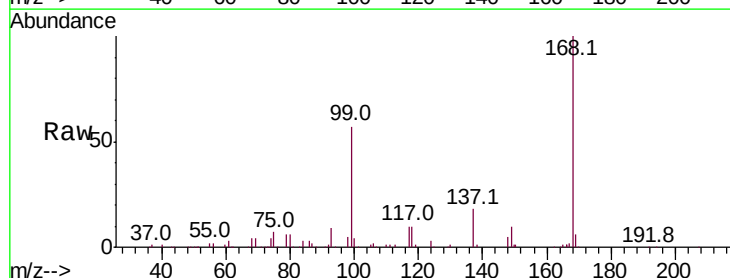
Tgt Ion: 75 Resp: 24421

Ion Ratio Lower Upper

75 100

110 11.8 19.6 58.7#

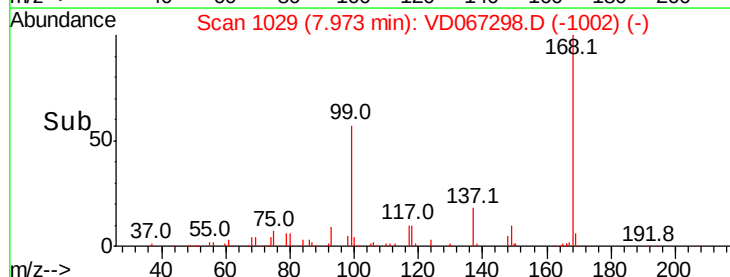
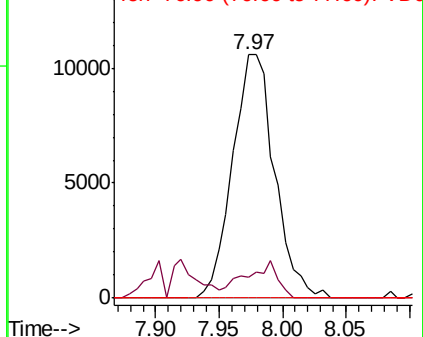
77 0.0 24.6 37.0#

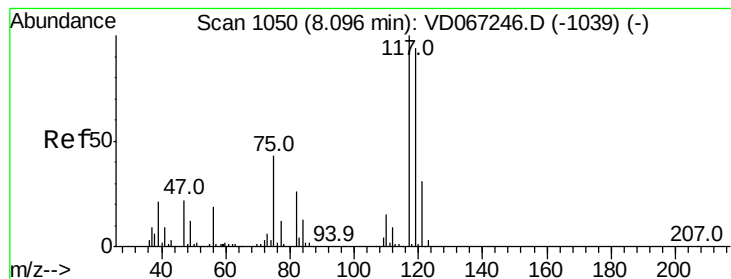


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

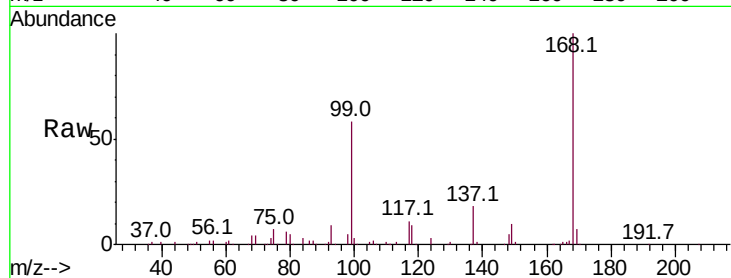
Tot Ion:117 Resp: 35867

Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.4#

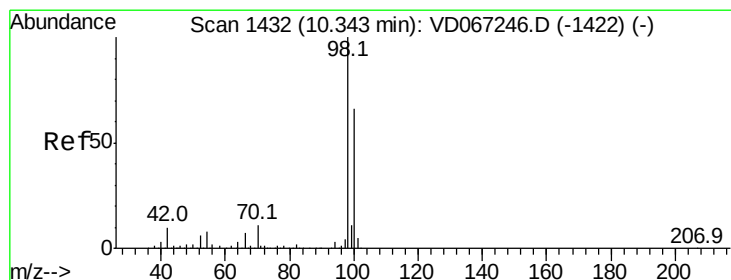
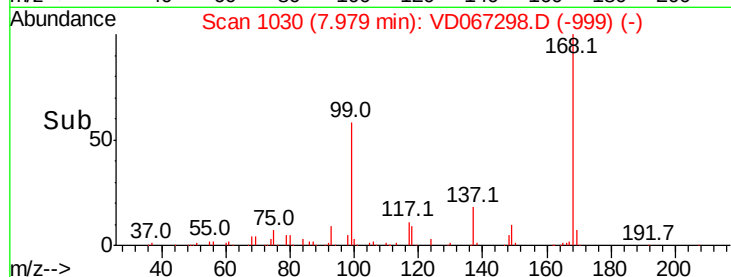
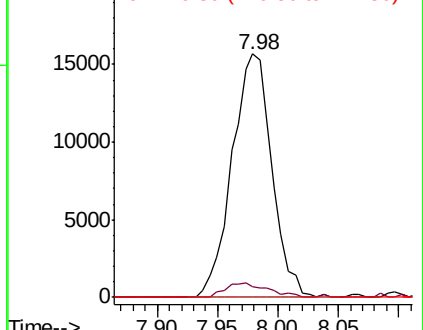
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 48.613 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067298.D

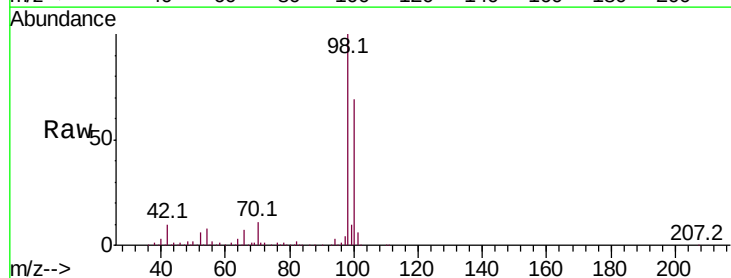
Acq: 16 Oct 2020 15:40

Tgt Ion: 98 Resp: 659068

Ion Ratio Lower Upper

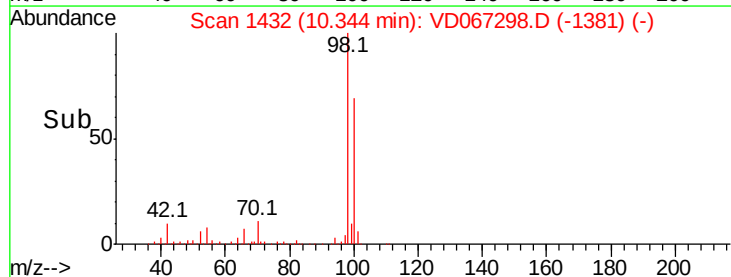
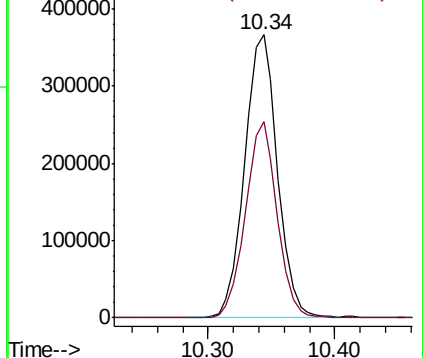
98 100

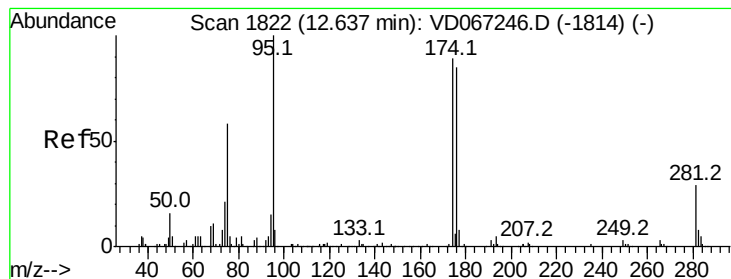
100 67.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.005 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

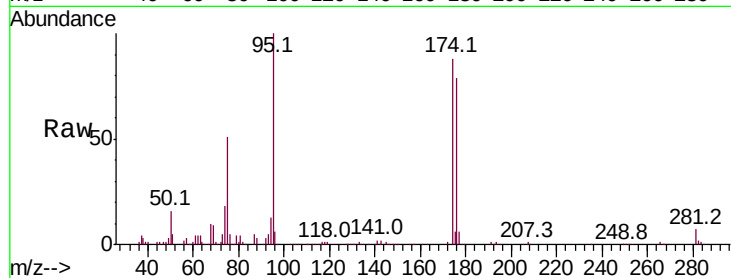
Tot Ion: 95 Resp: 226309

Ion Ratio Lower Upper

95 100

174 87.2 0.0 175.2

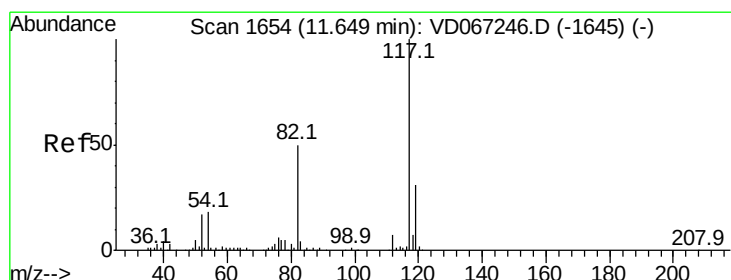
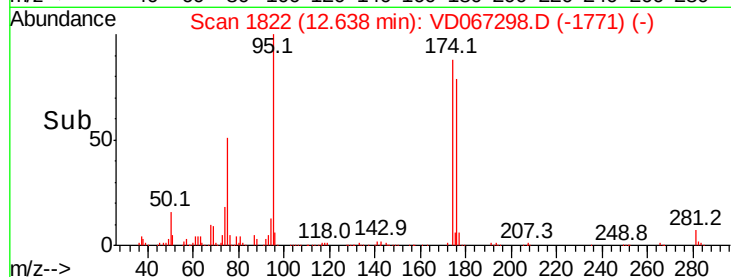
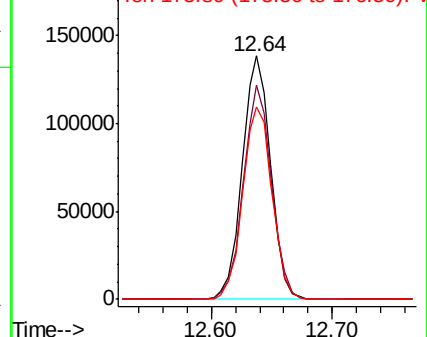
176 81.8 0.0 168.6



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: VD067298.D

Acq: 16 Oct 2020 15:40

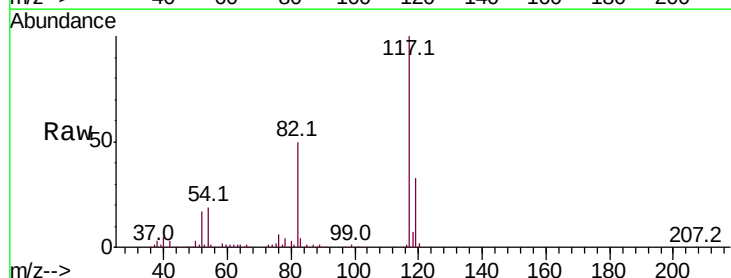
Tgt Ion: 117 Resp: 537512

Ion Ratio Lower Upper

117 100

82 50.4 39.9 59.9

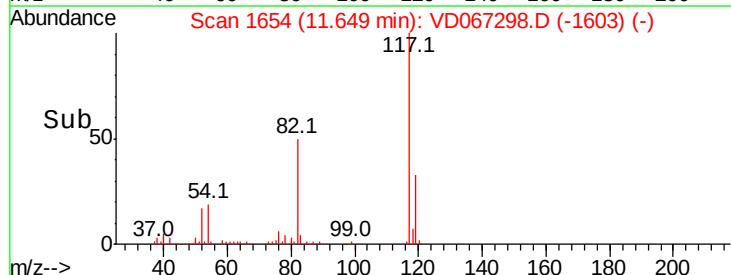
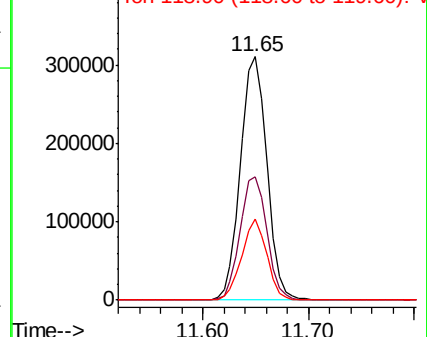
119 33.1 24.9 37.3

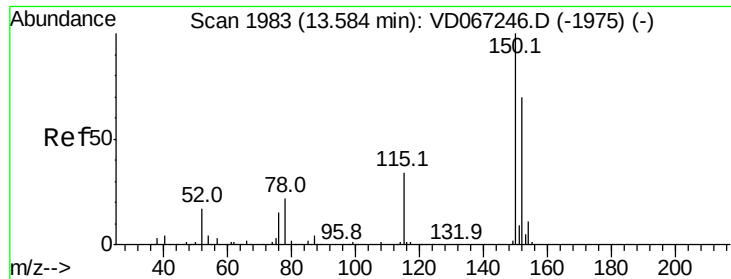


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

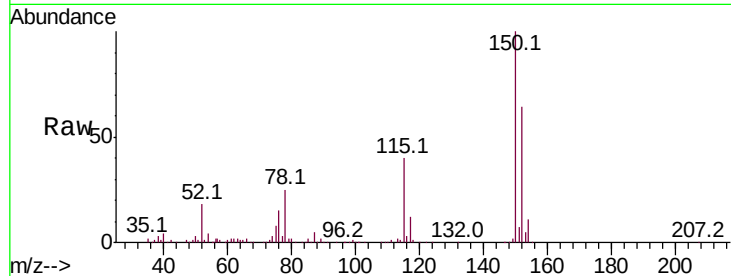
Tot Ion:152 Resp: 250499

Ion Ratio Lower Upper

152 100

115 58.8 29.3 87.9

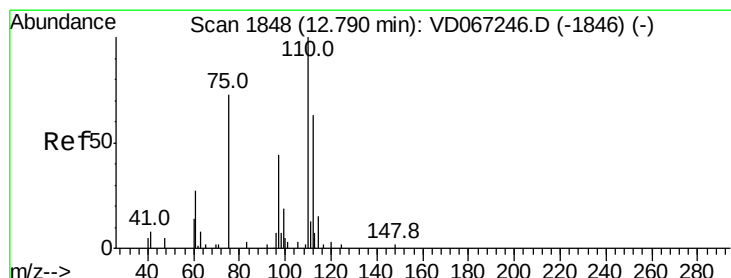
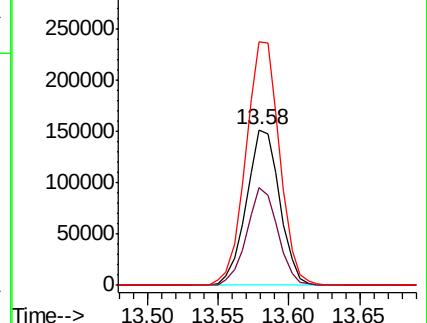
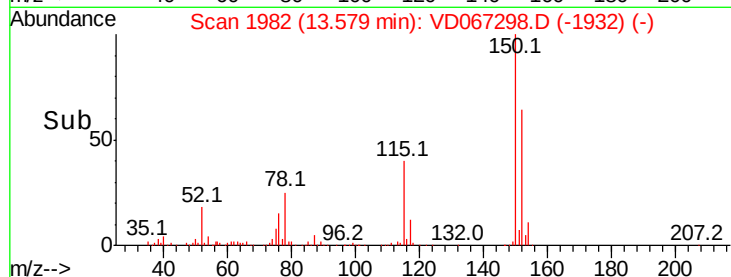
150 157.9 0.0 339.0



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: 66.768 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067298.D

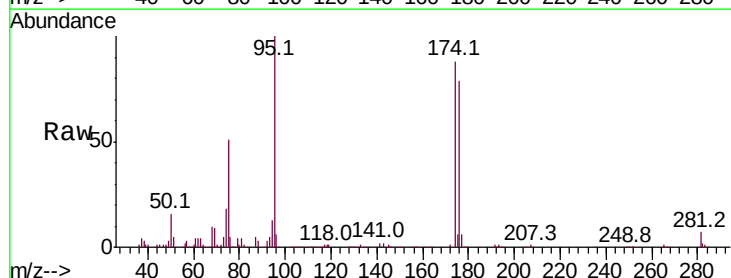
Acq: 16 Oct 2020 15:40

Tgt Ion: 75 Resp: 115923

Ion Ratio Lower Upper

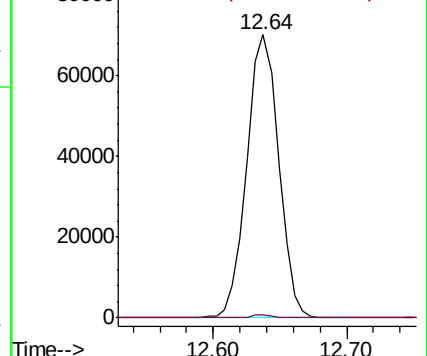
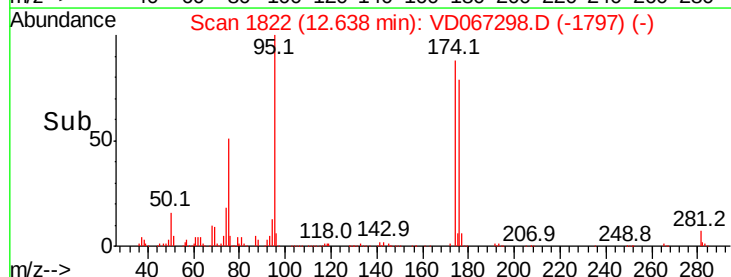
75 100

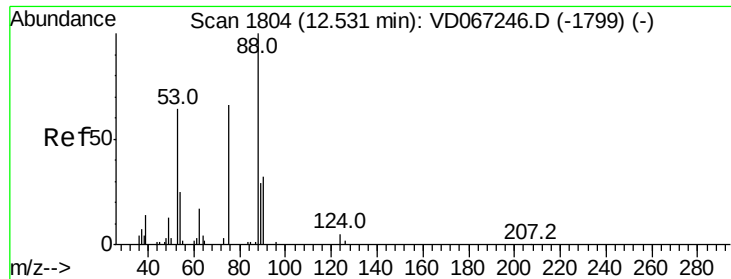
77 0.8 0.0 0.0#



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: 151.411 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067298.D

Acq: 16 Oct 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT

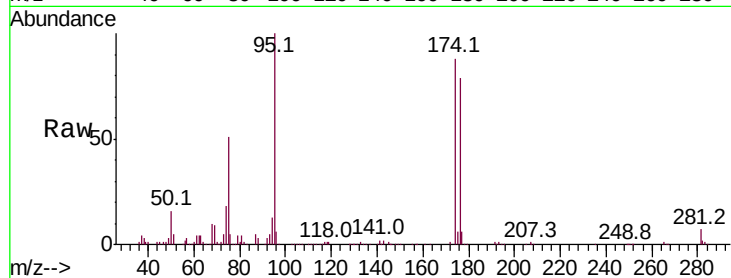
Tot Ion: 75 Resp: 115923

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 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

