

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067795.D
 Acq On : 25 Nov 2020 18:54
 Operator : VA/SY
 Sample : L4857-01RE
 Misc : 4.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 304EM-STOCKPILERE

Quant Time: Nov 26 00:26:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	160495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	254073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	205171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	71041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98336	63.02	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.04%
35) Dibromofluoromethane	7.92	113	87243	53.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.92%
50) Toluene-d8	10.34	98	269374	45.57	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.14%
62) 4-Bromofluorobenzene	12.64	95	67547	33.43	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.86%

Target Compounds

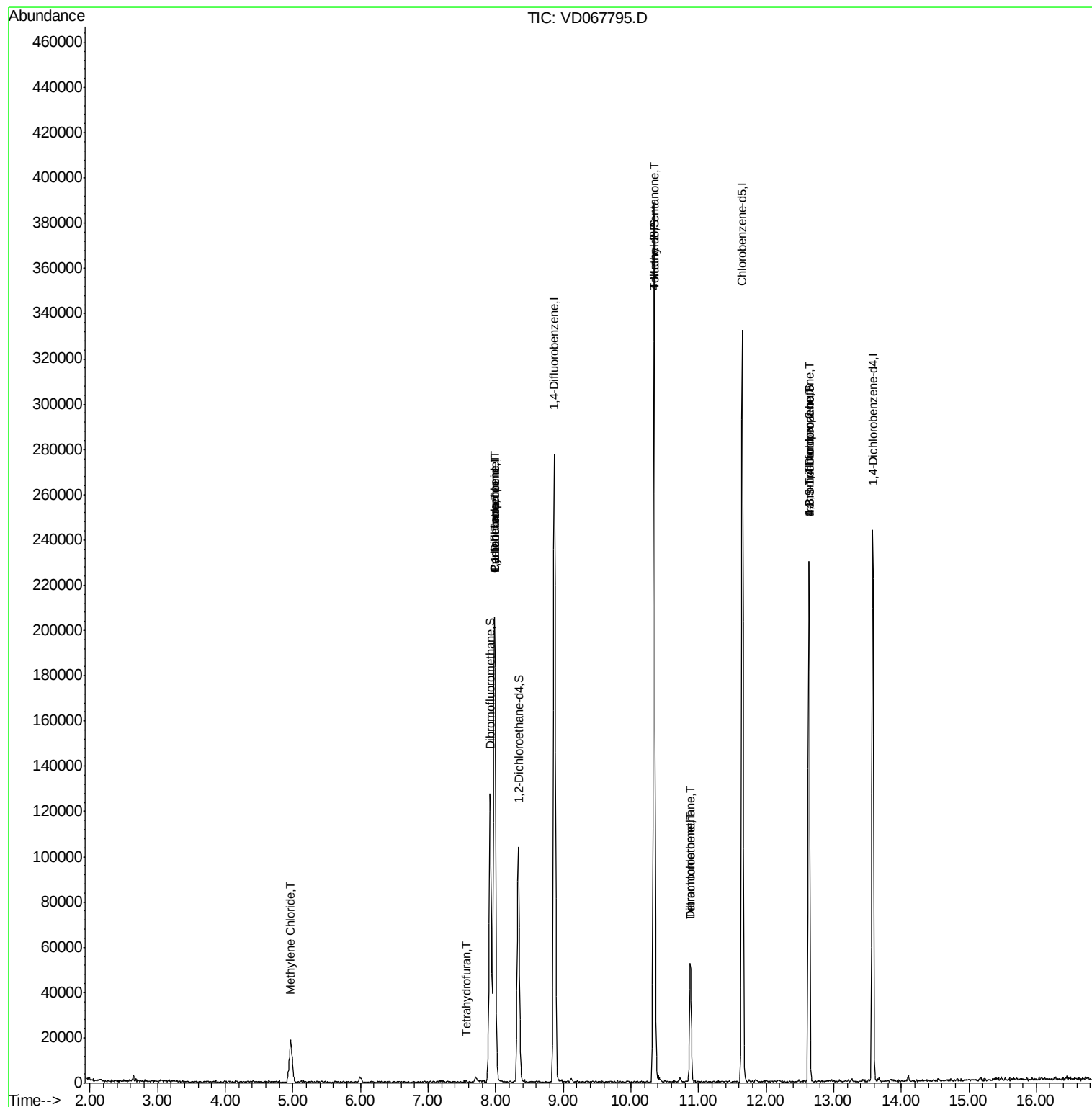
					Qvalue	
20) Methylene Chloride	4.97	84	16813	4.419	ug/l #	86
29) Tetrahydrofuran	7.57	42	202	1.570	ug/l #	21
31) Cyclohexane	7.98	56	3337	1.767	ug/l #	46
36) 1,1-Dichloropropene	7.98	75	10356	4.750	ug/l #	49
38) Carbon Tetrachloride	7.98	117	16827	5.324	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1020	1.852	ug/l #	1
60) Dibromochloromethane	10.88	129	10772	6.298	ug/l #	11
64) Tetrachloroethene	10.88	164	13188	8.282	ug/l	89
76) 1,2,3-Trichloropropane	12.64	75	36450	73.618	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	36450	172.187	ug/l #	11

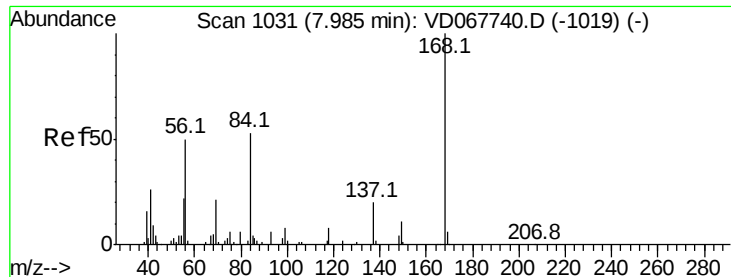
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112520\
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QLast Update : Tue Nov 24 00:51:35 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: VD067795.D

Acq: 25 Nov 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

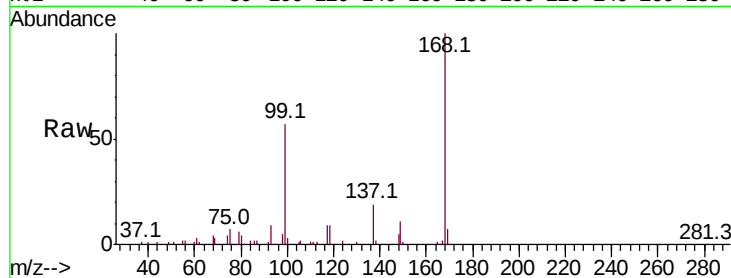
304EM-STOCKPILERE

Tot Ion:168 Resp: 160495

Ion Ratio Lower Upper

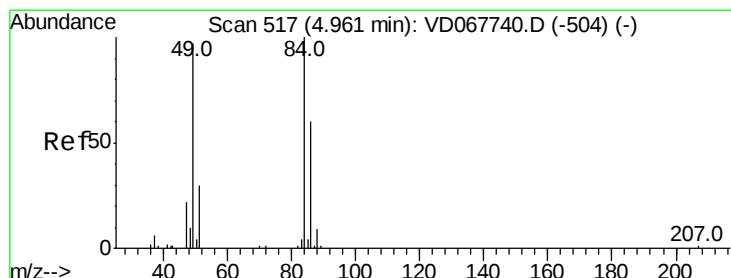
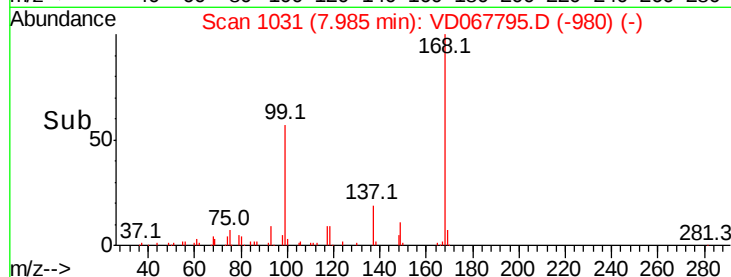
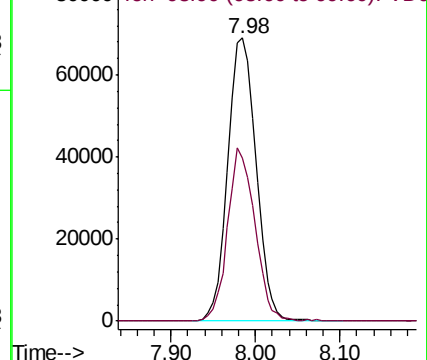
168 100

99 57.4 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 4.419 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

Tgt Ion: 84 Resp: 16813

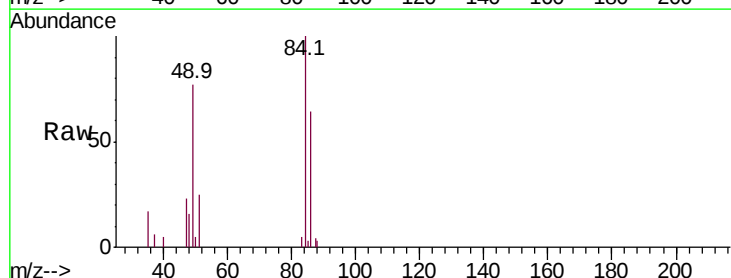
Ion Ratio Lower Upper

84 100

49 77.1 77.4 116.2#

51 25.2 24.1 36.1

86 64.3 48.2 72.2

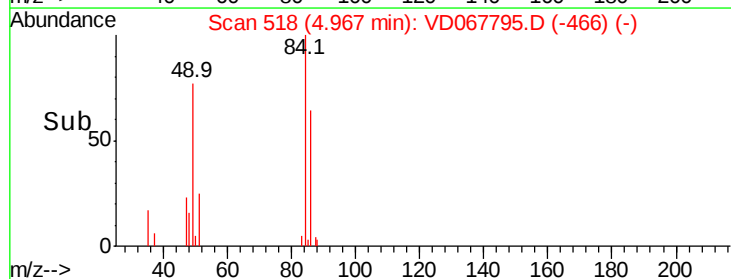
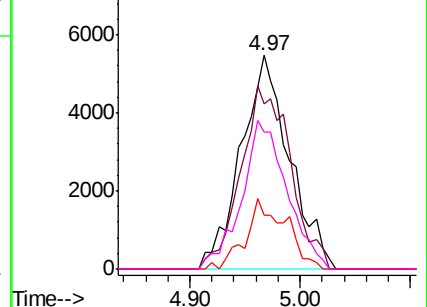


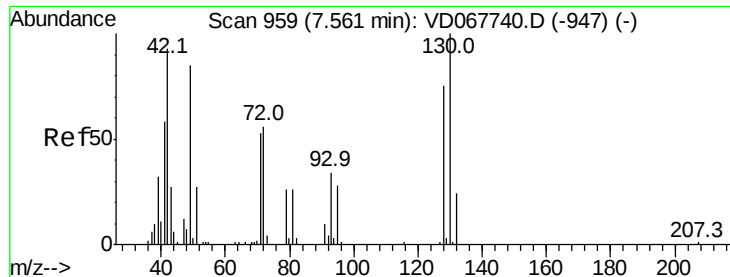
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.570 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

304EM-STOCKPILERE

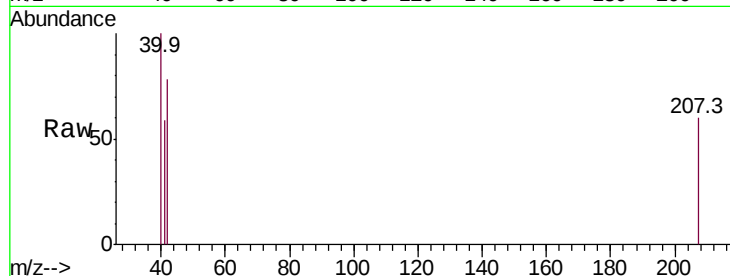
Tot Ion: 42 Resp: 202

Ion Ratio Lower Upper

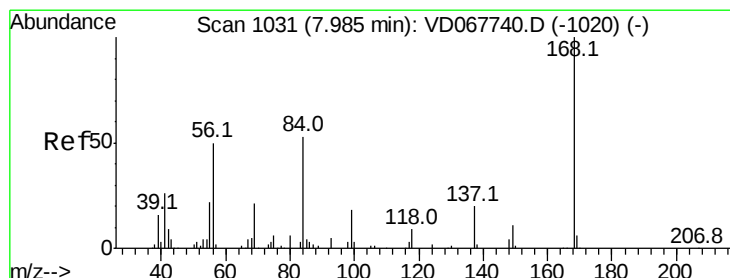
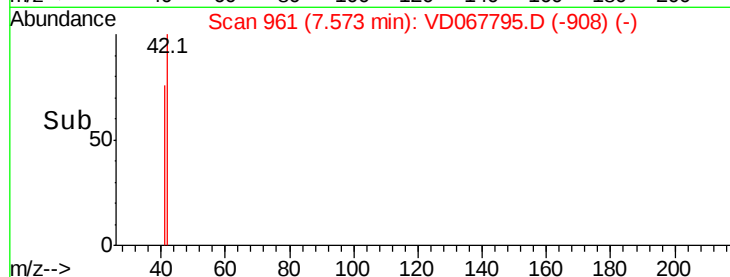
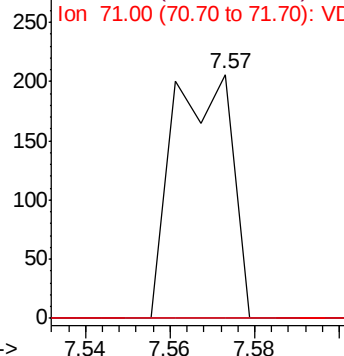
42 100

72 0.0 49.3 73.9#

71 0.0 45.9 68.9#



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: 1.767 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

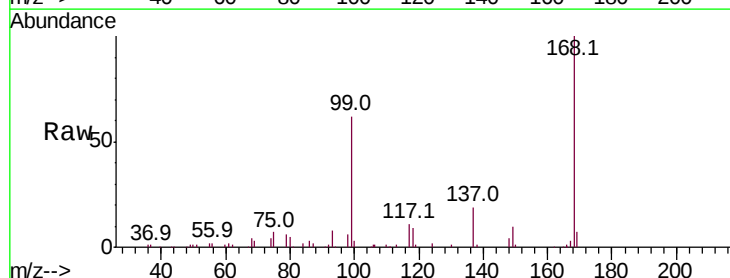
Tgt Ion: 56 Resp: 3337

Ion Ratio Lower Upper

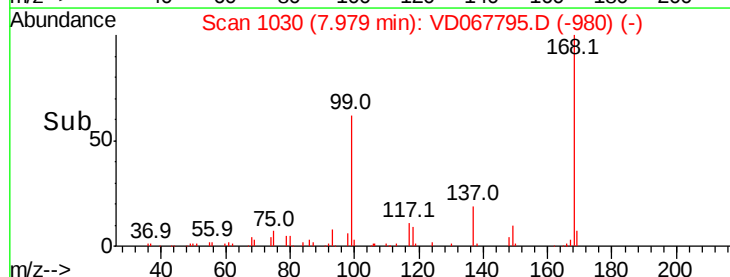
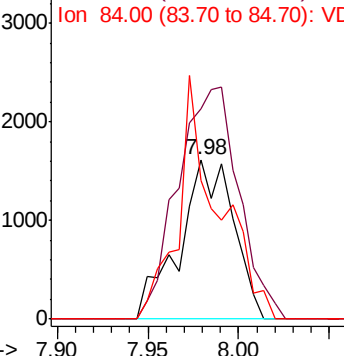
56 100

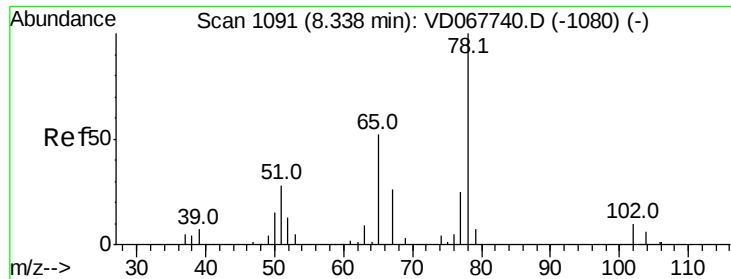
69 131.8 33.2 49.8#

84 87.1 84.8 127.2



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

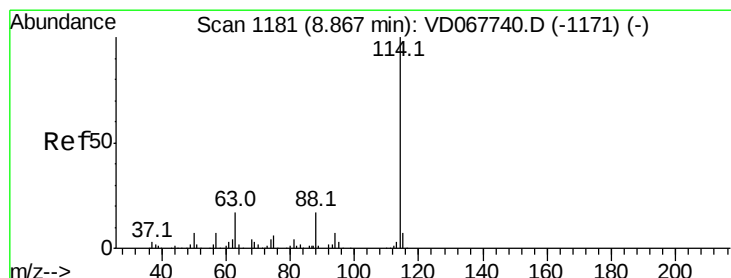
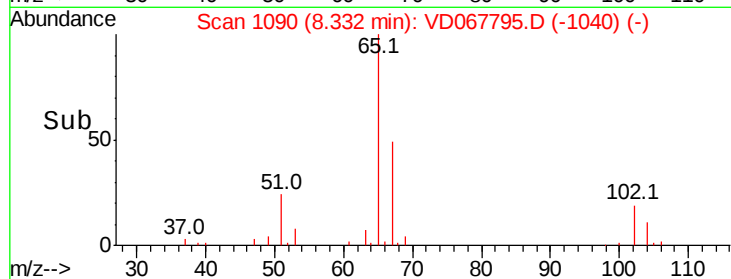
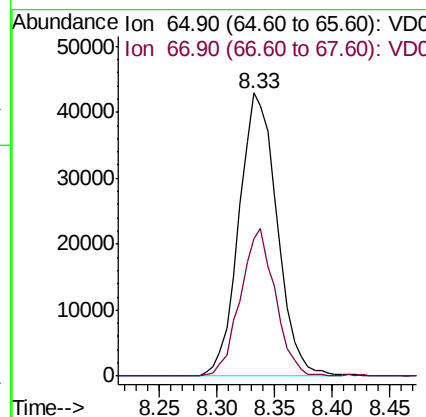
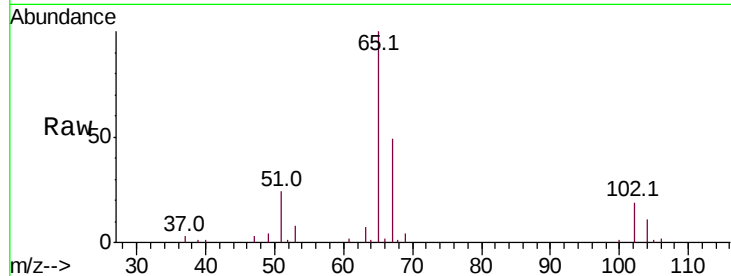




#33
 1,2-Dichloroethane-d4
 Concen: 63.015 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067795.D
 Acq: 25 Nov 2020 18:54

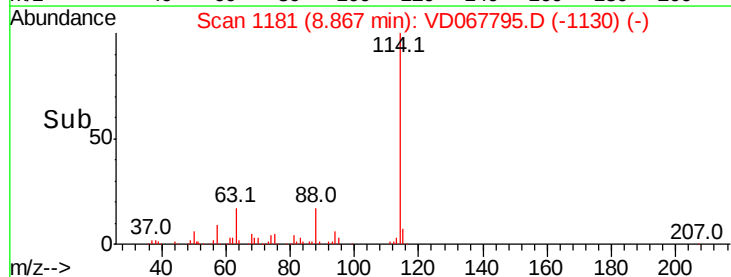
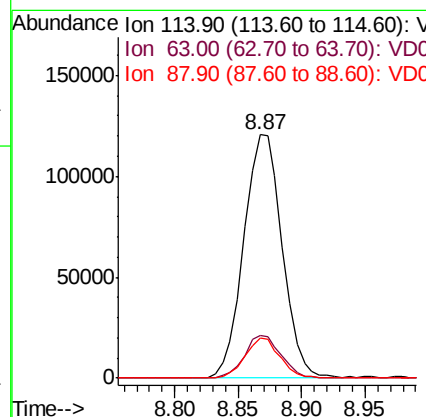
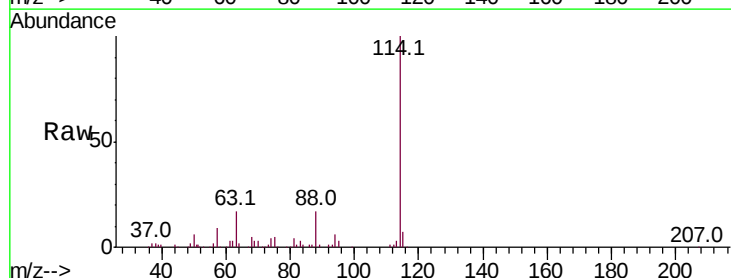
Instrument :
 MSVOA_D
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 304EM-STOCKPILERE

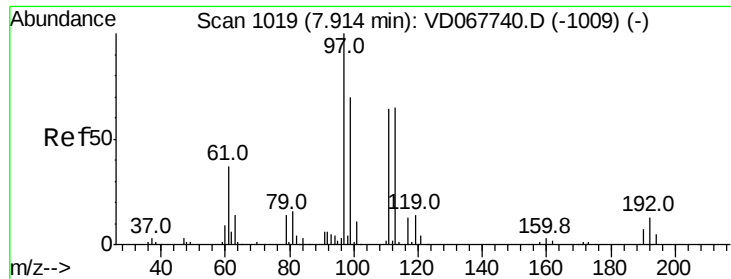
Tot Ion: 65 Resp: 98336
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067795.D
 Acq: 25 Nov 2020 18:54

Tgt Ion:114 Resp: 254073
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.8
 88 16.7 0.0 34.4

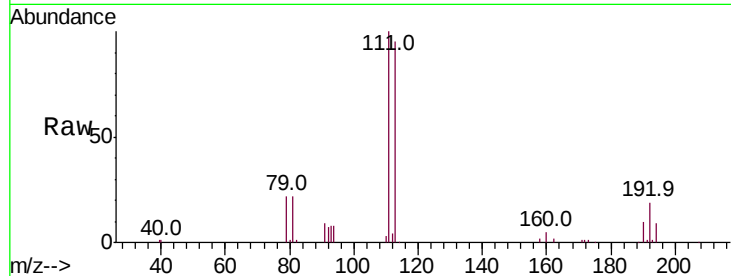




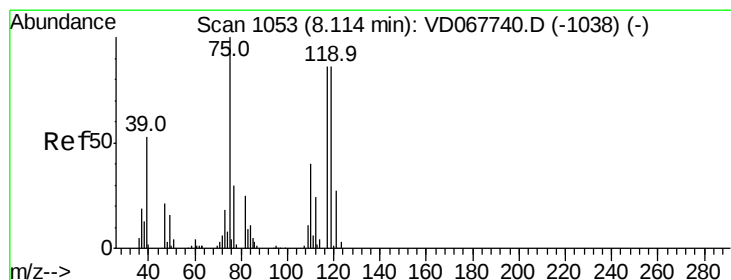
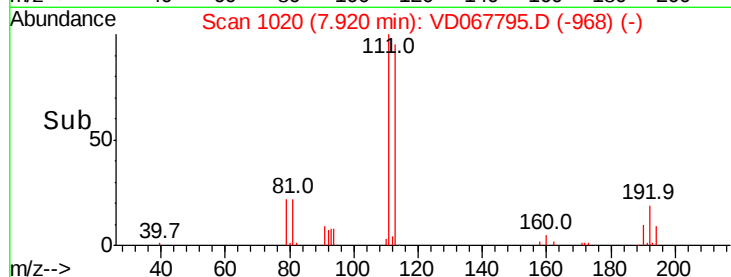
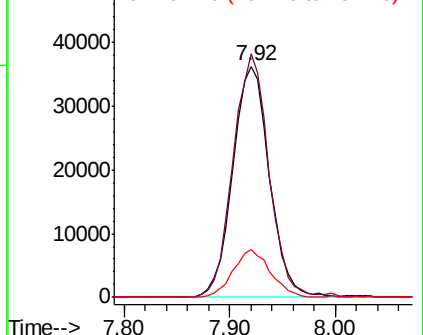
#35
 Dibromofluoromethane
 Concen: 53.956 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067795.D
 Acq: 25 Nov 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 304EM-STOCKPILERE

Tot Ion:113 Resp: 87243
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 20.9 17.0 25.4

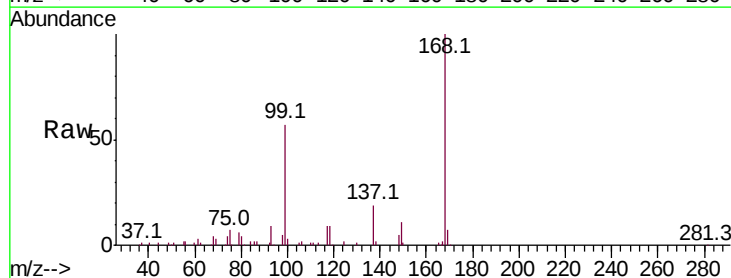


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

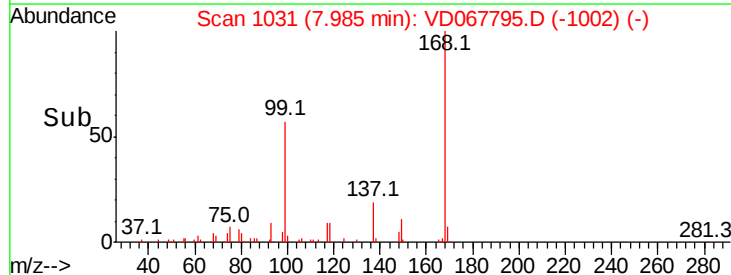
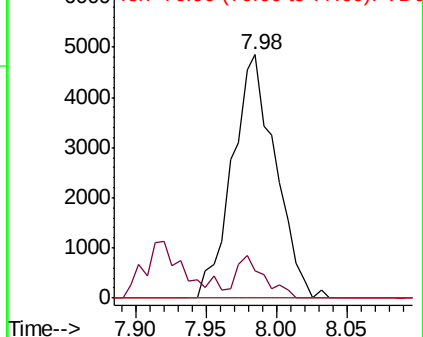


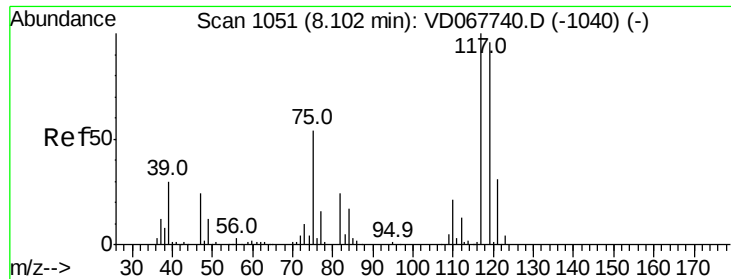
#36
 1,1-Dichloropropene
 Concen: 4.750 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067795.D
 Acq: 25 Nov 2020 18:54

Tgt Ion: 75 Resp: 10356
 Ion Ratio Lower Upper
 75 100
 110 11.4 20.1 60.2#
 77 0.0 24.8 37.2#



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: 5.324 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

304EM-STOCKPILERE

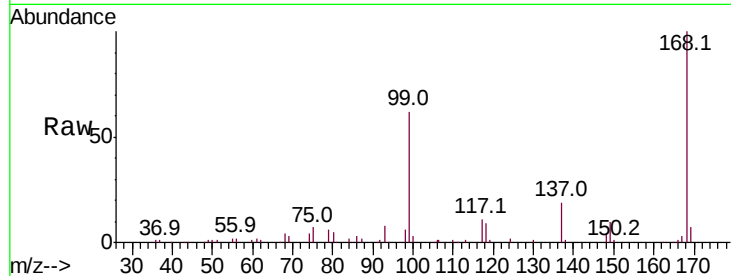
Tot Ion:117 Resp: 16827

Ion Ratio Lower Upper

117 100

119 4.8 76.6 115.0#

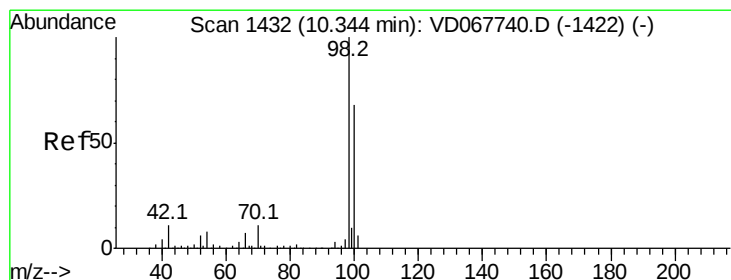
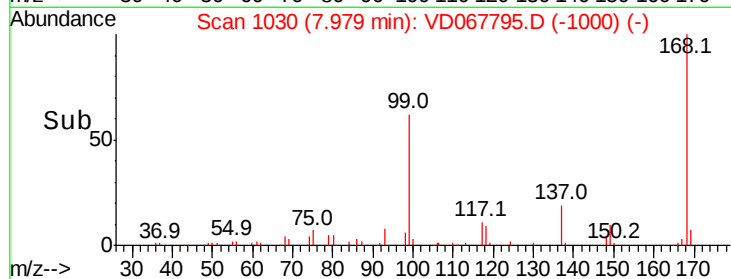
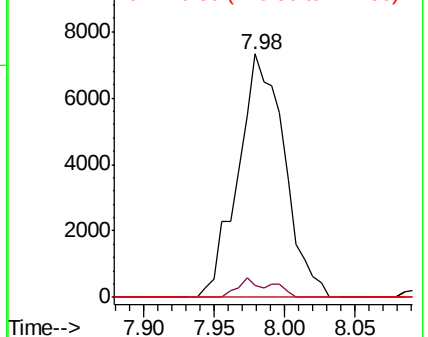
121 0.0 24.5 36.7#



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: 45.567 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067795.D

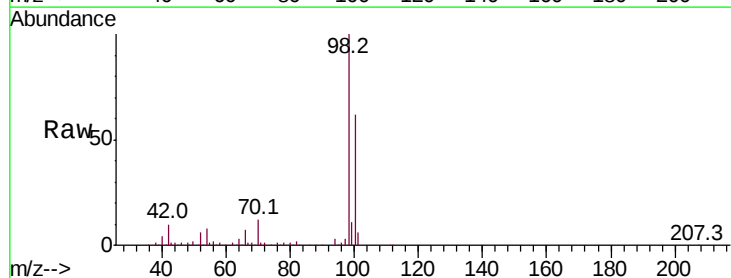
Acq: 25 Nov 2020 18:54

Tgt Ion: 98 Resp: 269374

Ion Ratio Lower Upper

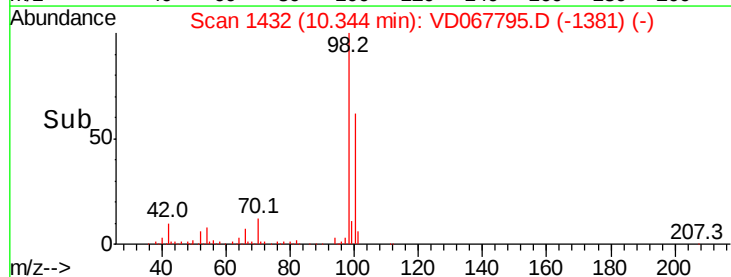
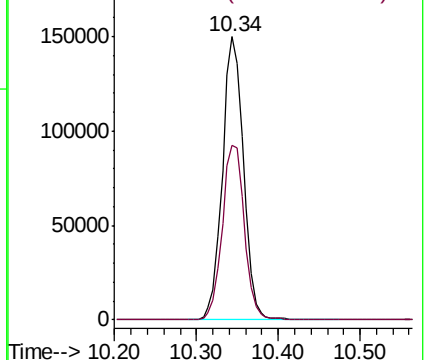
98 100

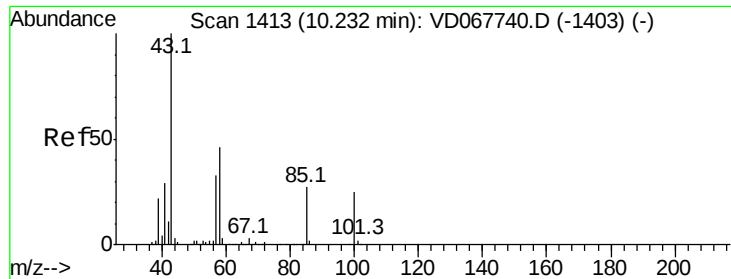
100 64.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.852 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

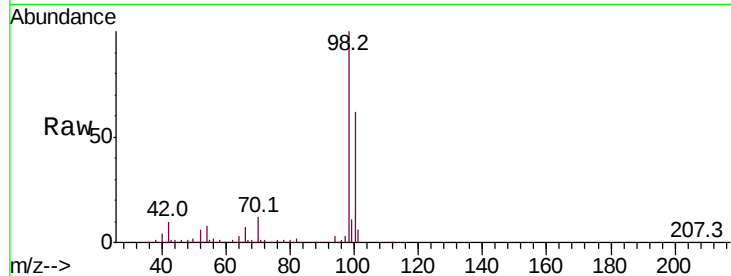
304EM-STOCKPILERE

Tot Ion: 43 Resp: 1020

Ion Ratio Lower Upper

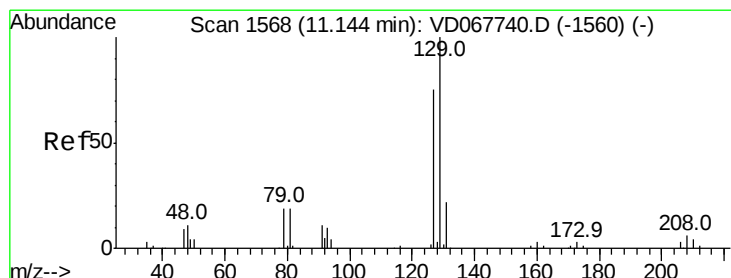
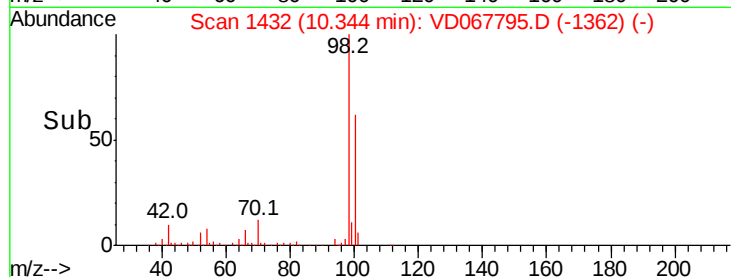
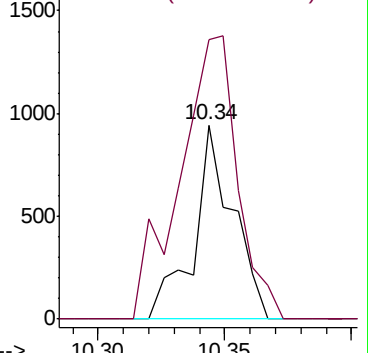
43 100

58 215.2 34.7 52.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 6.298 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.26 min

Lab File: VD067795.D

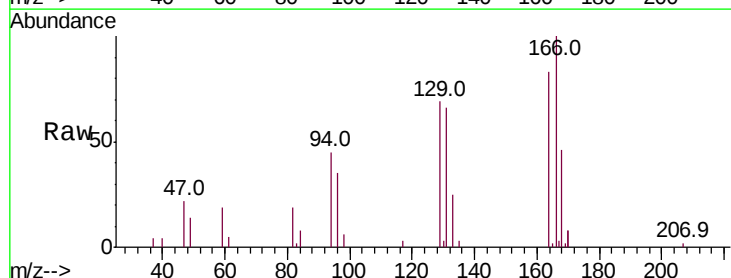
Acq: 25 Nov 2020 18:54

Tgt Ion: 129 Resp: 10772

Ion Ratio Lower Upper

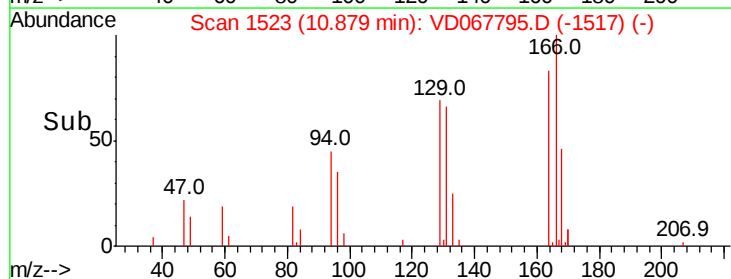
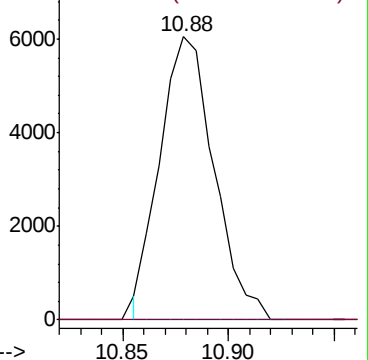
129 100

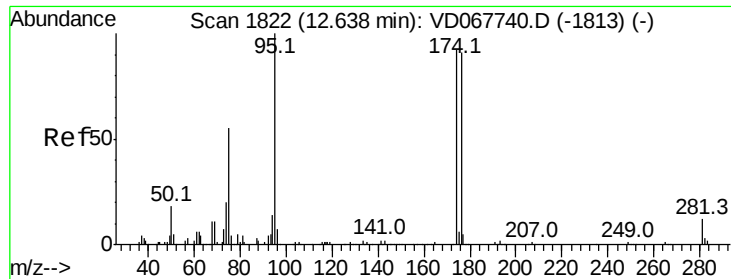
127 0.0 38.6 115.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 33.429 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

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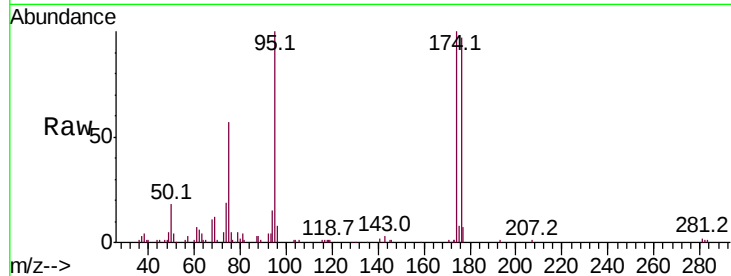
Tot Ion: 95 Resp: 67547

Ion Ratio Lower Upper

95 100

174 101.7 0.0 182.4

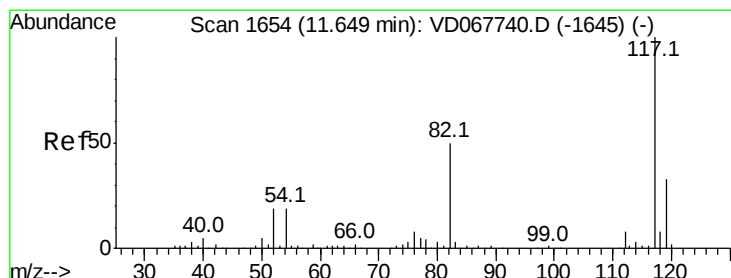
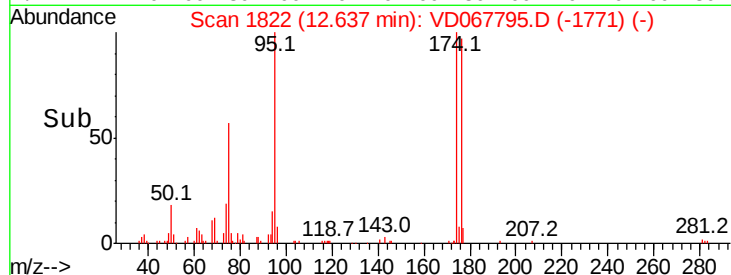
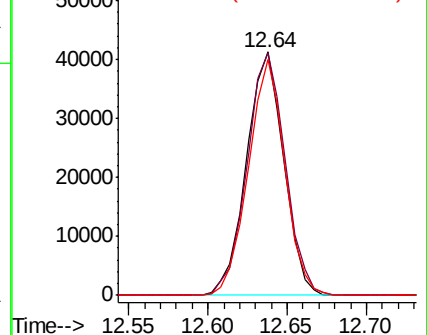
176 94.7 0.0 178.2



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: VD067795.D

Acq: 25 Nov 2020 18:54

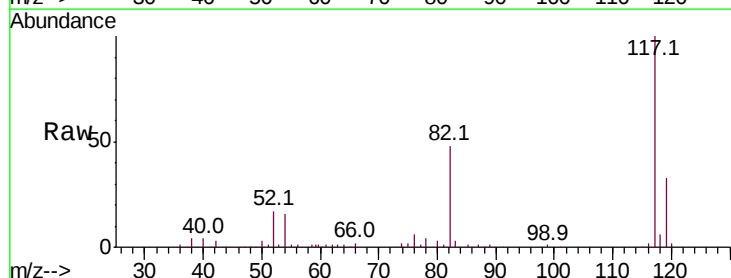
Tgt Ion: 117 Resp: 205171

Ion Ratio Lower Upper

117 100

82 48.2 40.2 60.4

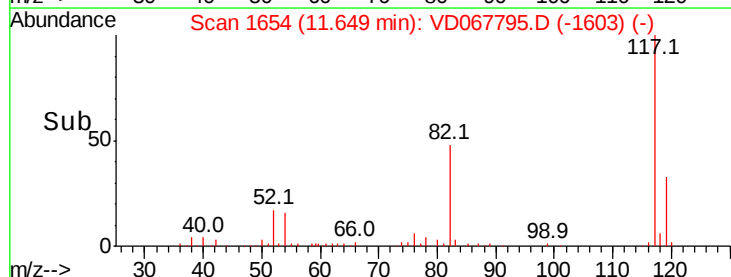
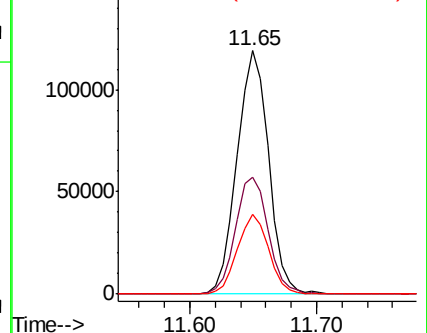
119 32.8 26.5 39.7

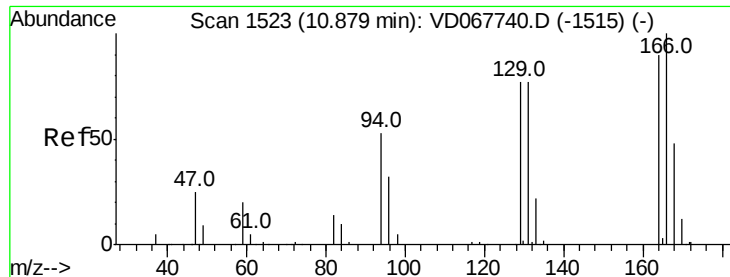


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 8.282 ug/l

RT: 10.88 min Scan# 1524

Delta R.T. 0.01 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

304EM-STOCKPILERE

Tot Ion:164 Resp: 13188

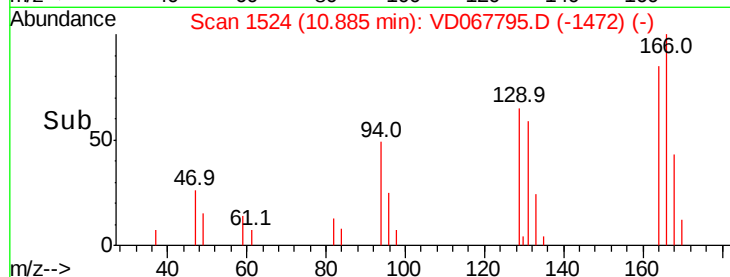
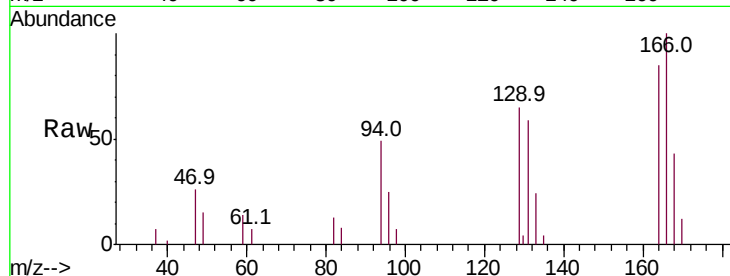
Ion Ratio Lower Upper

164 100

166 117.9 89.2 133.8

129 76.8 68.4 102.6

131 70.0 68.7 103.1

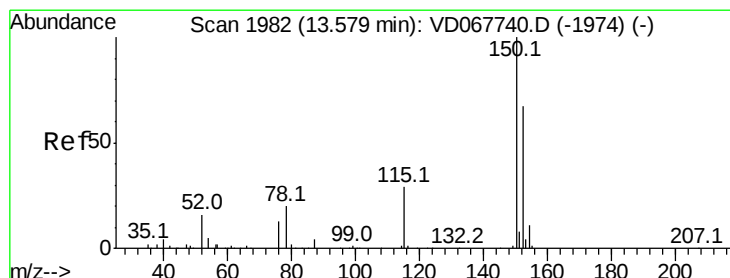
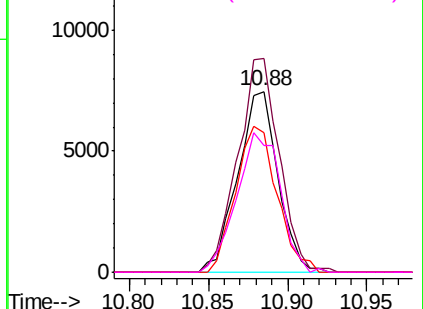


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

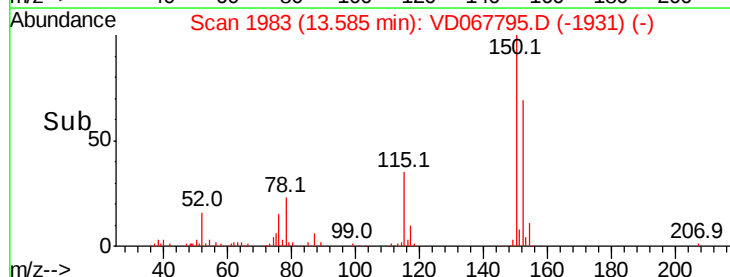
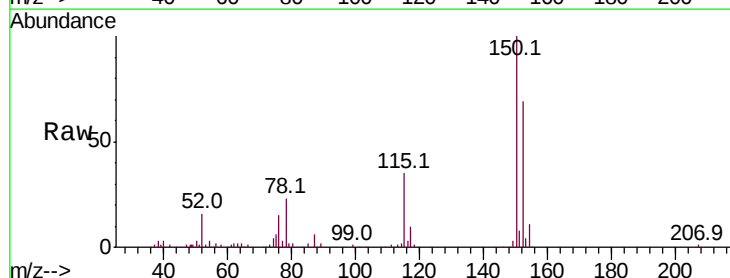
Tgt Ion:152 Resp: 71041

Ion Ratio Lower Upper

152 100

115 57.1 29.4 88.3

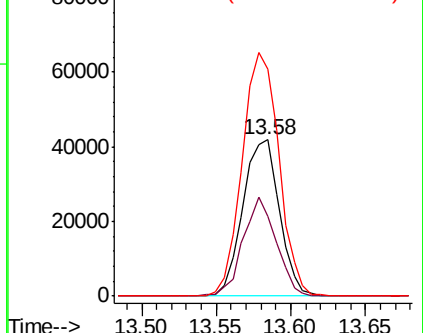
150 156.1 0.0 340.6

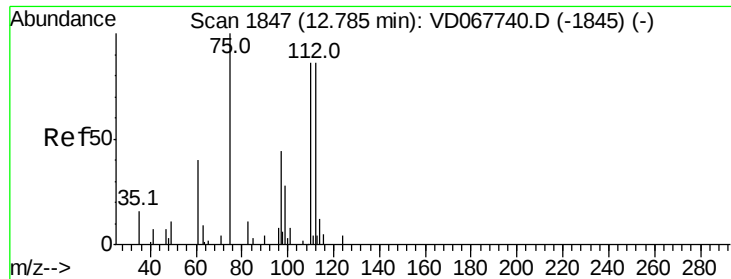


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 73.618 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

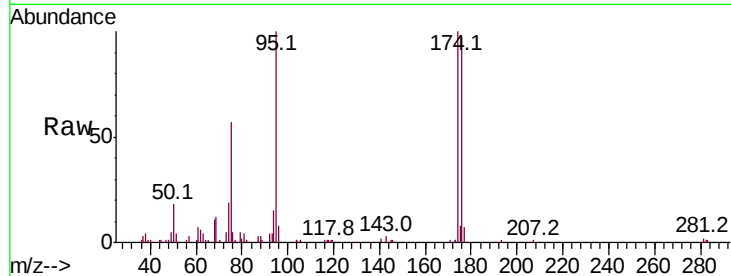
304EM-STOCKPILERE

Tot Ion: 75 Resp: 36450

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

25000

20000

15000

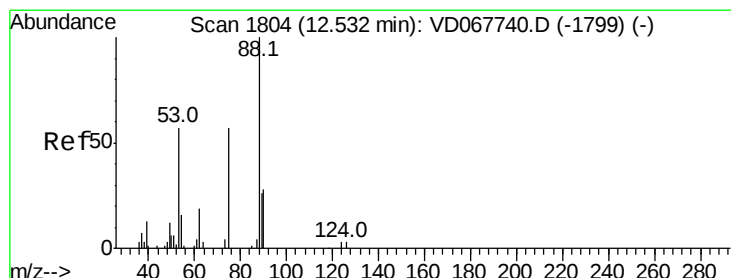
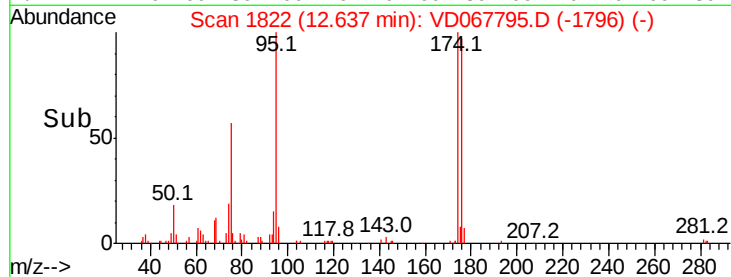
10000

5000

0

Time-->

12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 172.187 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067795.D

Acq: 25 Nov 2020 18:54

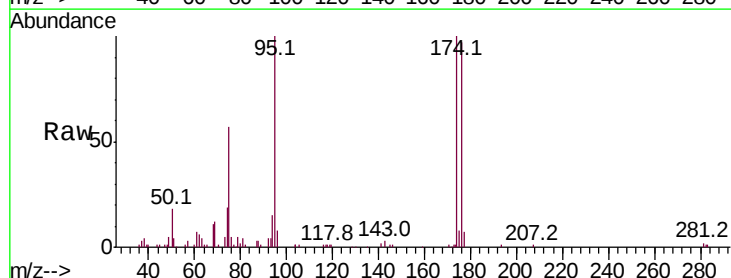
Tgt Ion: 75 Resp: 36450

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.2 40.2 60.4#



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

12.64

30000

25000

20000

15000

10000

5000

0

Time-->

12.60 12.65 12.70

