

Data File : VD067769.D
Acq On : 24 Nov 2020 15:14
Operator : VA/SY
Sample : L4857-01
Misc : 3.66G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
304EM-STOCKPILE

Quant Time: Nov 25 02:05:07 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	196164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	299191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	231701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	73202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	102844	53.92	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	107.84%	
35) Dibromofluoromethane	7.92	113	93985	49.36	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	98.72%	
50) Toluene-d8	10.34	98	285577	41.02	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	82.04%	
62) 4-Bromofluorobenzene	12.64	95	71545	30.07	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	60.14%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.21	59	118	Below Cal	#	87
20) Methylene Chloride	4.97	84	6100	Below Cal	#	68
29) Tetrahydrofuran	7.57	42	262	1.667	ug/l #	41
31) Cyclohexane	7.98	56	4007	1.736	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	13597	5.296	ug/l #	53
38) Carbon Tetrachloride	7.98	117	20522	5.514	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	951	1.466	ug/l #	1
60) Dibromochloromethane	10.88	129	13843	6.873	ug/l #	11
64) Tetrachloroethene	10.88	164	14666	8.155	ug/l #	78
76) 1,2,3-Trichloropropane	12.64	75	36678	71.892	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	36678	168.150	ug/l #	11

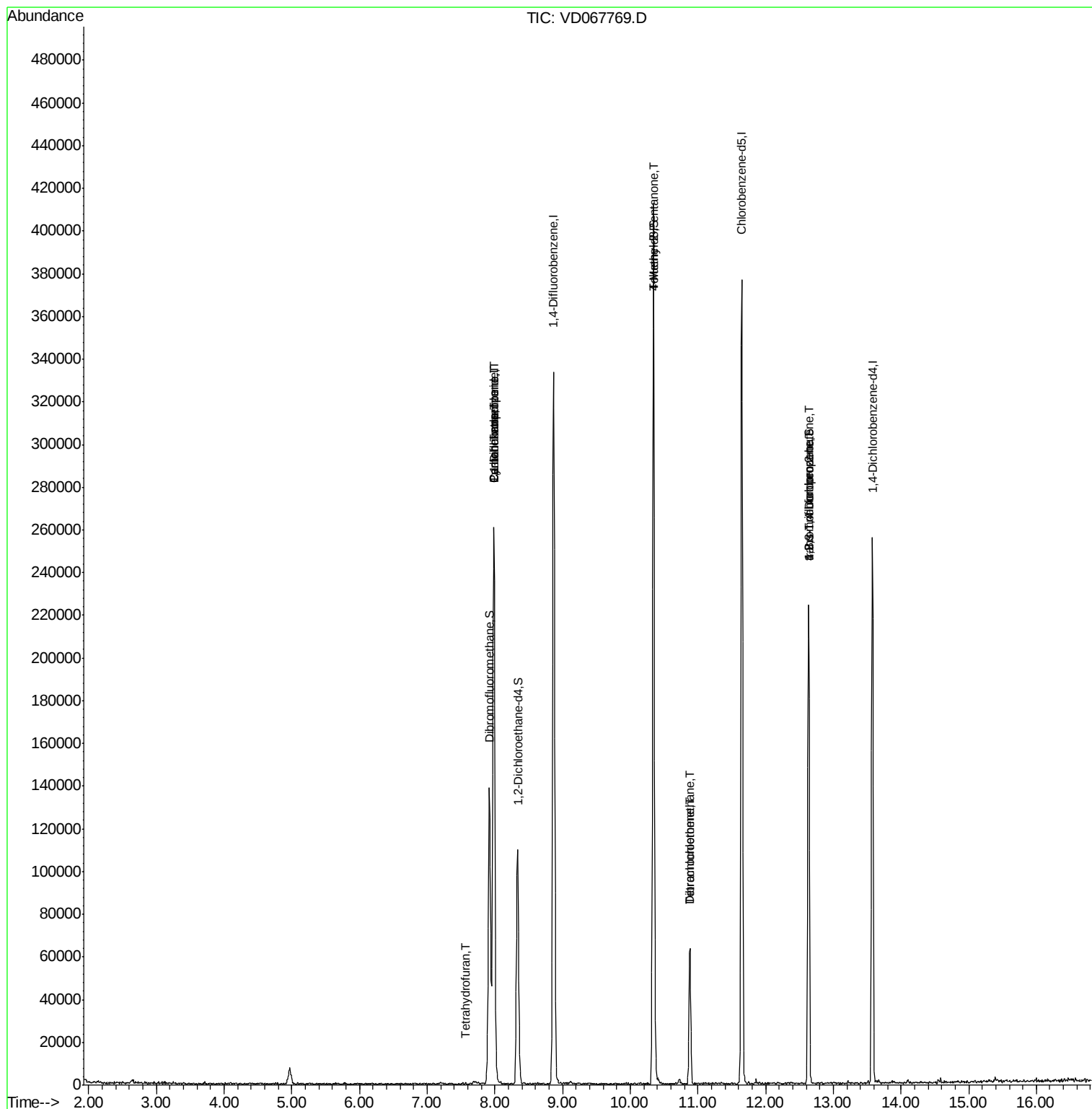
(#) = qualifier out of range (m) = manual integration (+) = signals summed

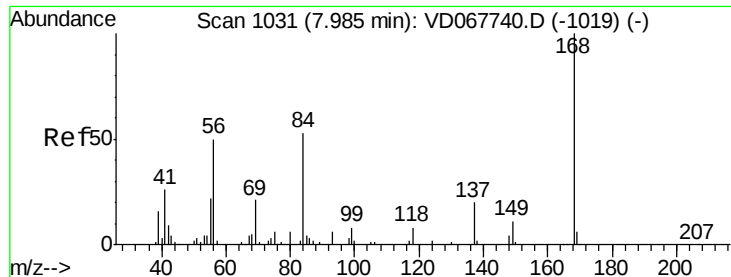
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Acq On       : 24 Nov 2020   15:14
Operator    : VA/SY
Sample      : L4857-01
Misc       : 3.66G/5.00ml/MSVOA_D/SOIL
ALS Vial    : 12      Sample Multiplier: 1
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
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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: VD067769.D

Acq: 24 Nov 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

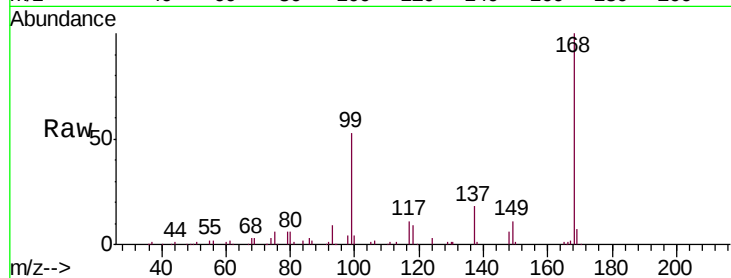
304EM-STOCKPILE

Tgt Ion:168 Resp: 196164

Ion Ratio Lower Upper

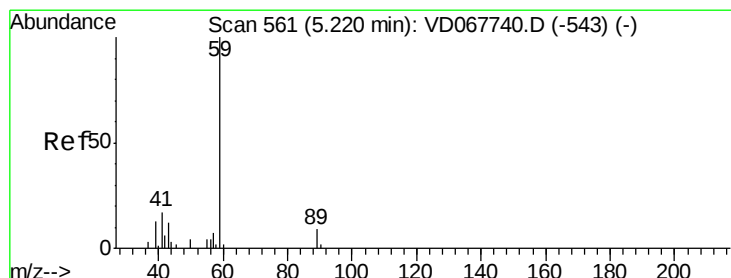
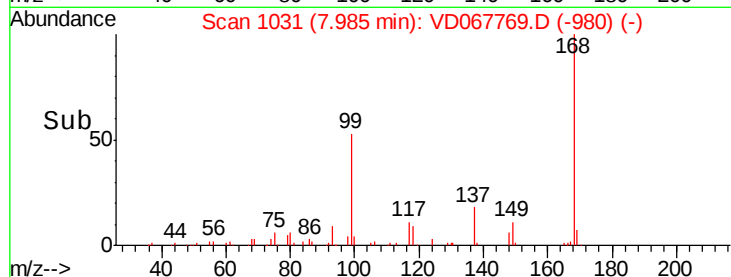
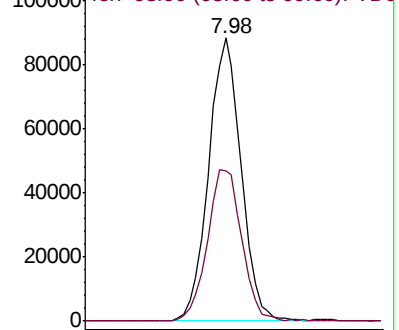
168 100

99 53.1 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067769.D

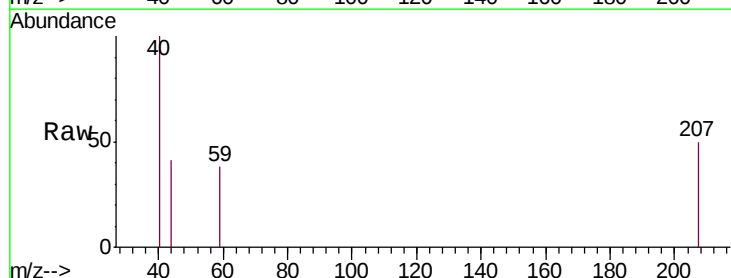
Acq: 24 Nov 2020 15:14

Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

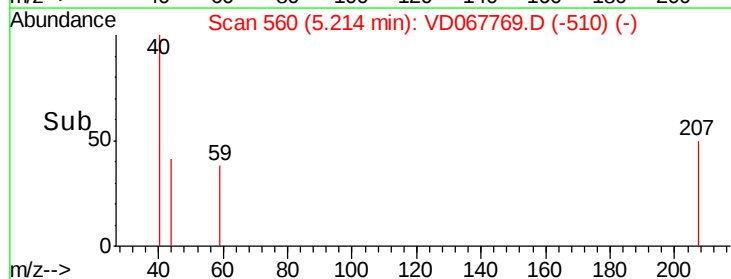
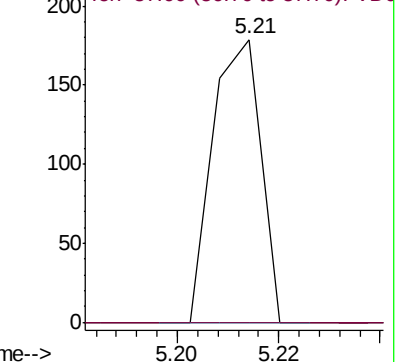
59 100

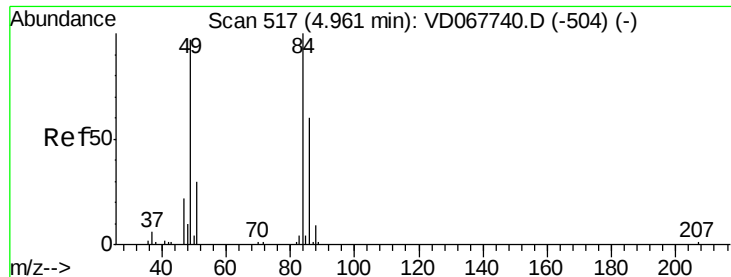
57 0.0 3.4 5.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

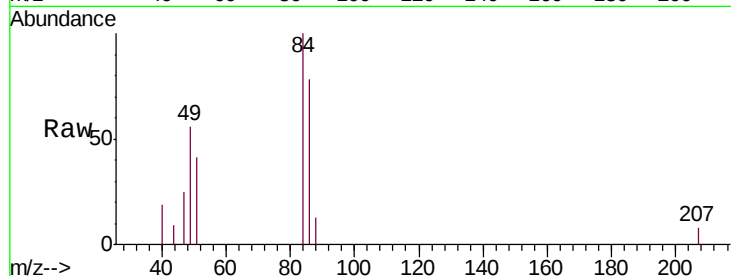




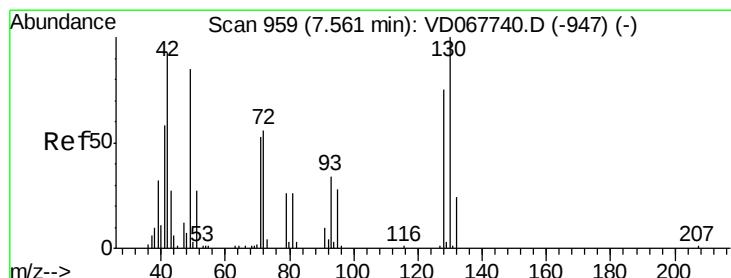
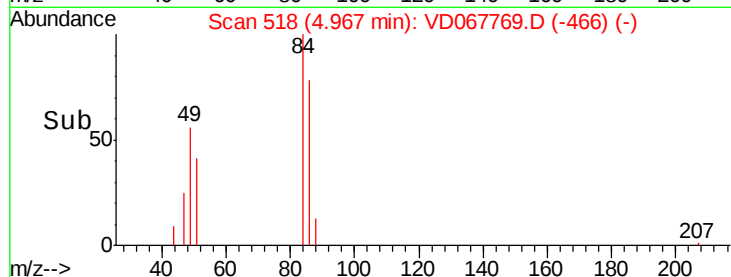
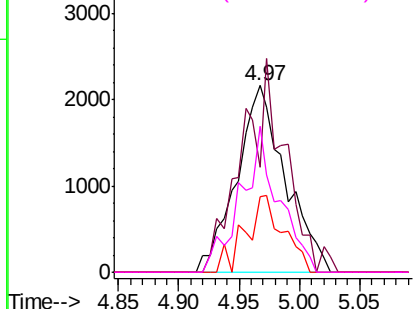
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
304EM-STOCKPILE

Tgt Ion: 84 Resp: 6100
Ion Ratio Lower Upper
84 100
49 56.5 77.4 116.2#
51 40.8 24.1 36.1#
86 78.1 48.2 72.2#

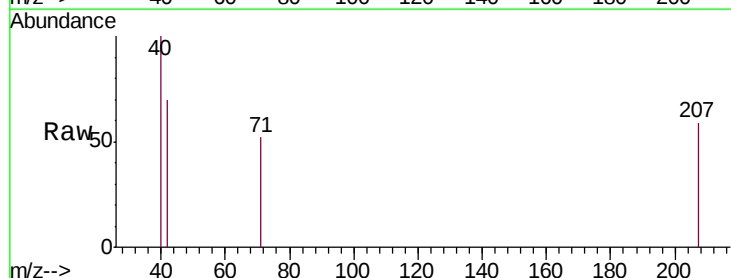


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

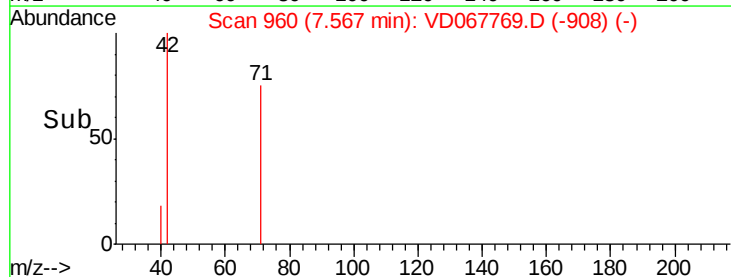
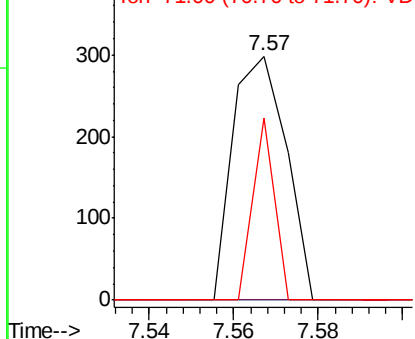


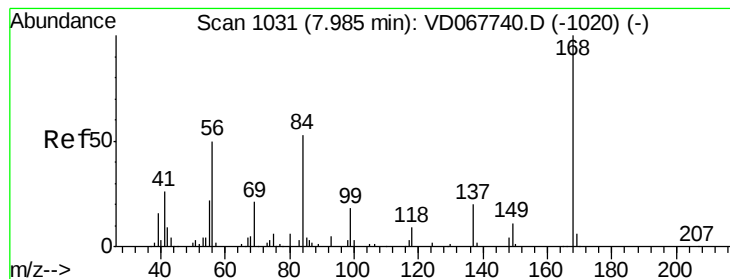
#29
Tetrahydrofuran
Concen: 1.667 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

Tgt Ion: 42 Resp: 262
Ion Ratio Lower Upper
42 100
72 0.0 49.3 73.9#
71 30.2 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: 1.736 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067769.D

Acq: 24 Nov 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

304EM-STOCKPILE

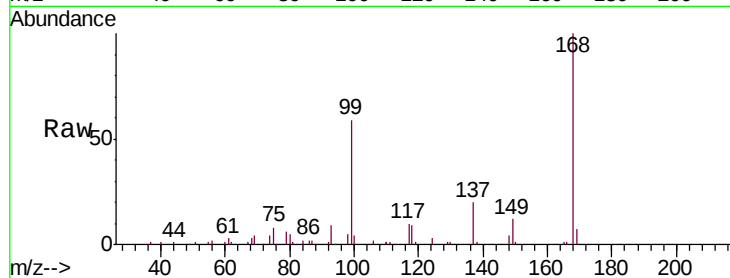
Tgt Ion: 56 Resp: 4007

Ion Ratio Lower Upper

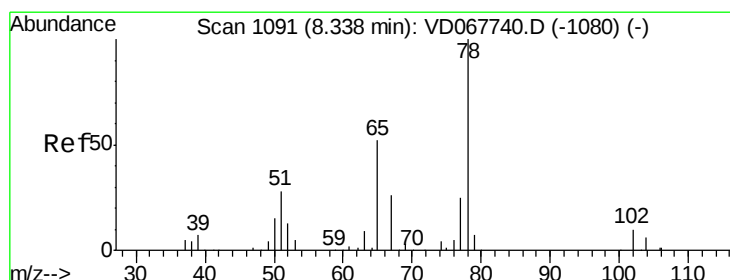
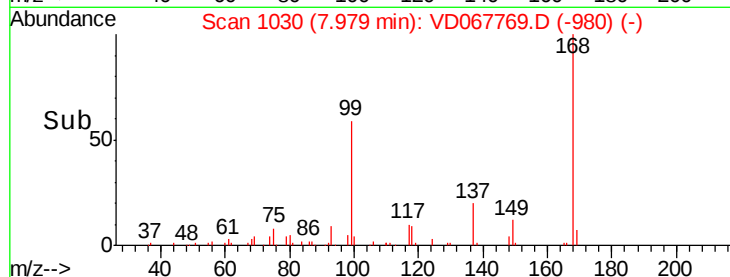
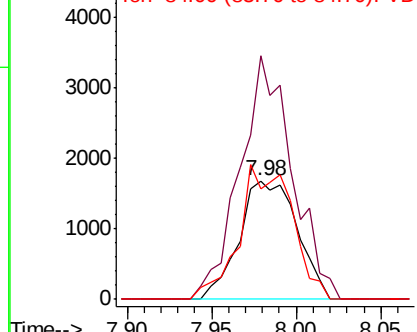
56 100

69 205.2 33.2 49.8#

84 93.3 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: 53.920 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067769.D

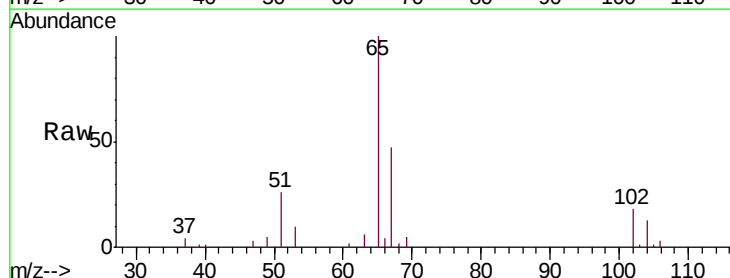
Acq: 24 Nov 2020 15:14

Tgt Ion: 65 Resp: 102844

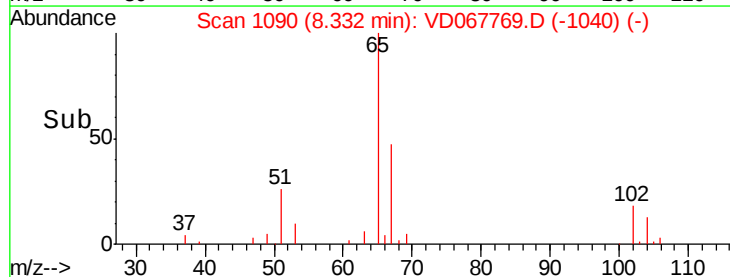
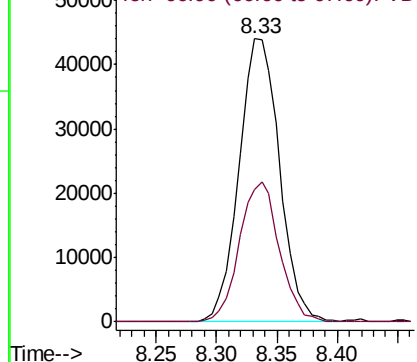
Ion Ratio Lower Upper

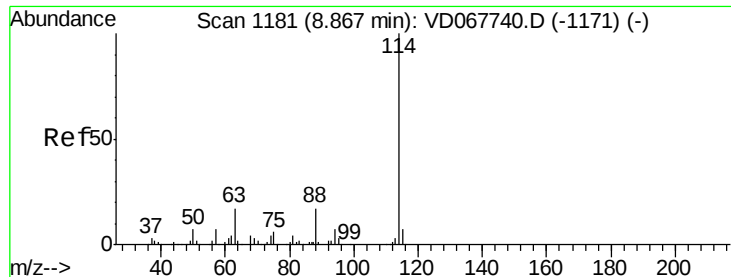
65 100

67 48.6 0.0 101.0



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

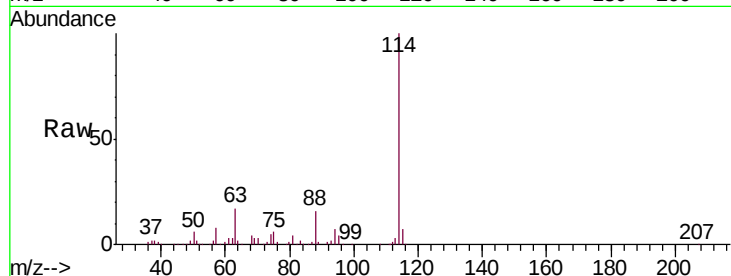




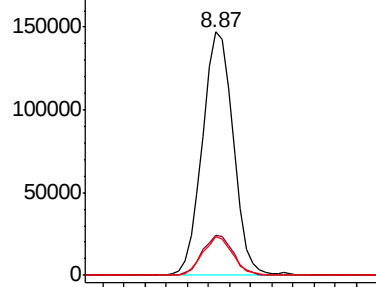
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067769.D
 Acq: 24 Nov 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 304EM-STOCKPILE

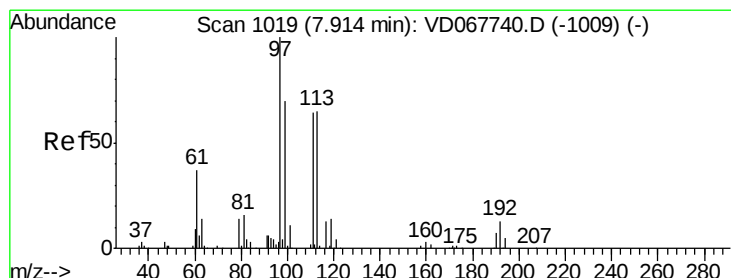
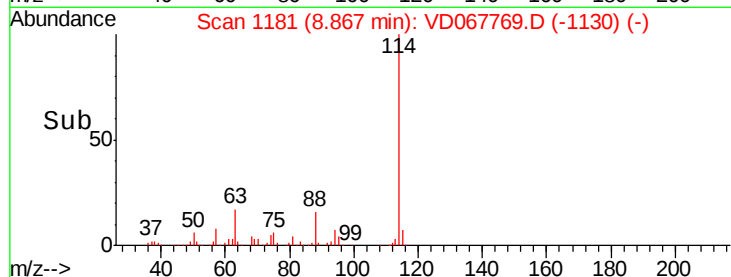
Tgt Ion:	114	Resp:	299191
Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	34.8
88	15.8	0.0	34.4



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

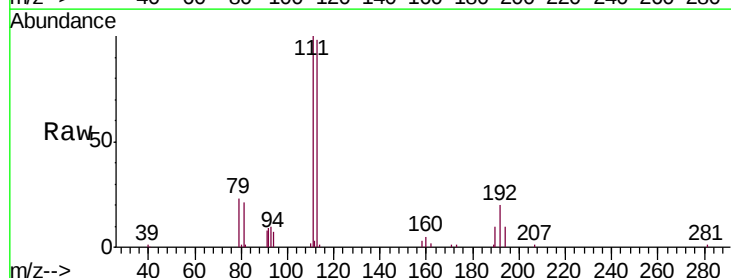


Time-->

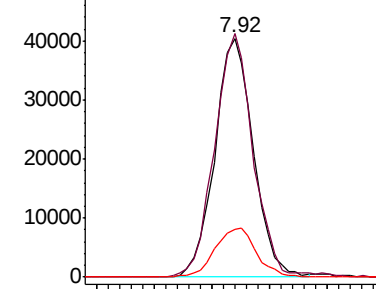


#35
 Dibromofluoromethane
 Concen: 49.361 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067769.D
 Acq: 24 Nov 2020 15:14

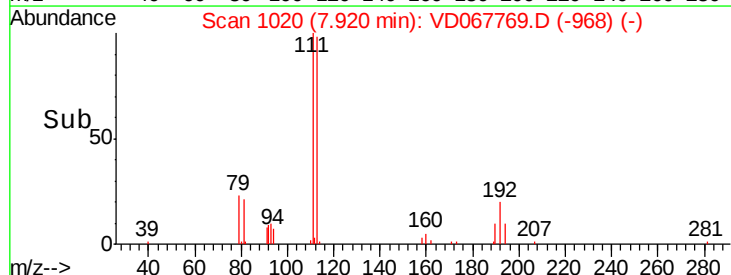
Tgt Ion:	113	Resp:	93985
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.0
192	21.8	17.0	25.4

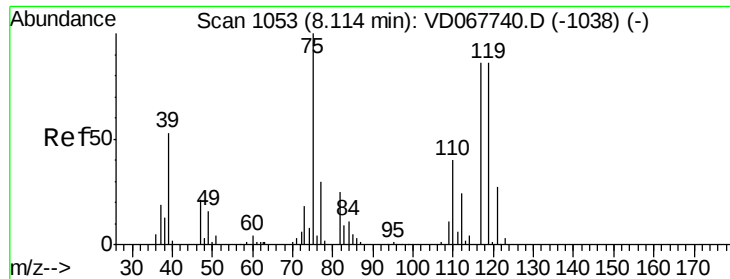


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

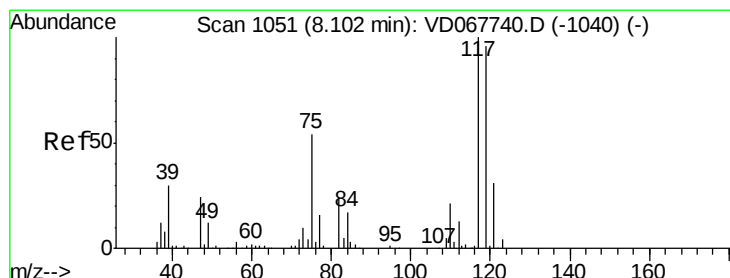
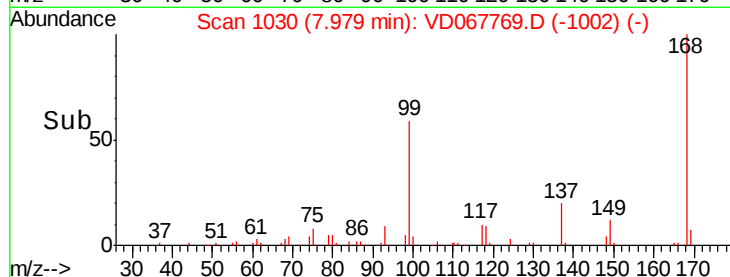
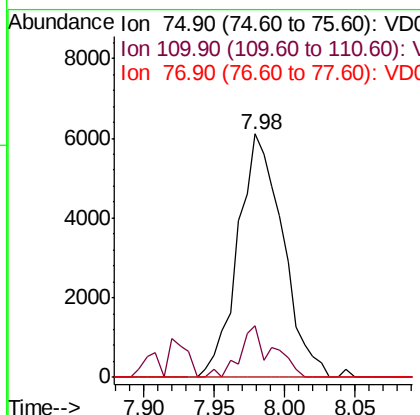
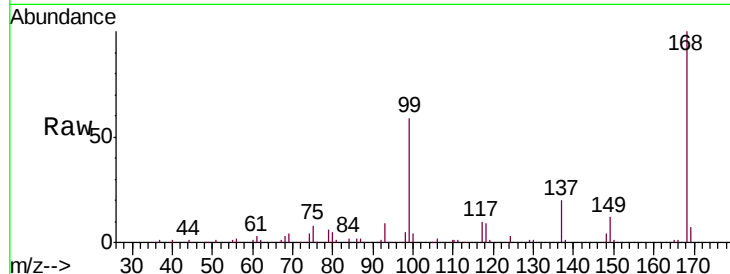




#36
 1,1-Dichloropropene
 Concen: 5.296 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067769.D
 Acq: 24 Nov 2020 15:14

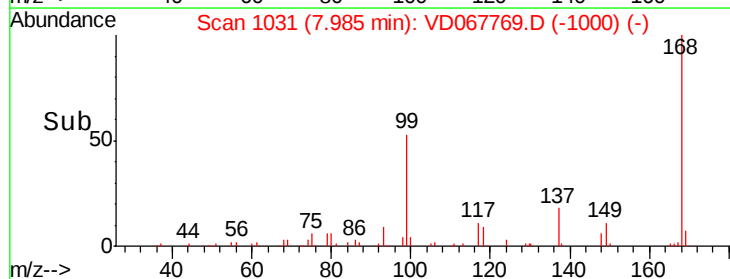
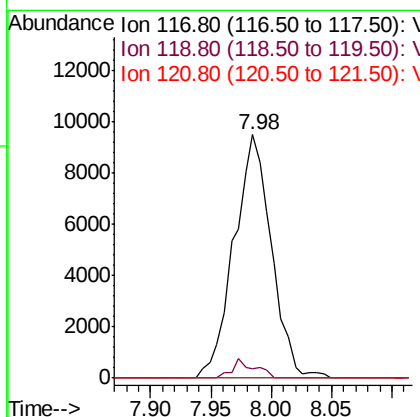
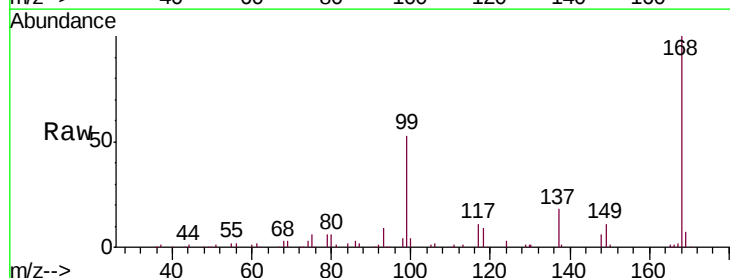
Instrument :
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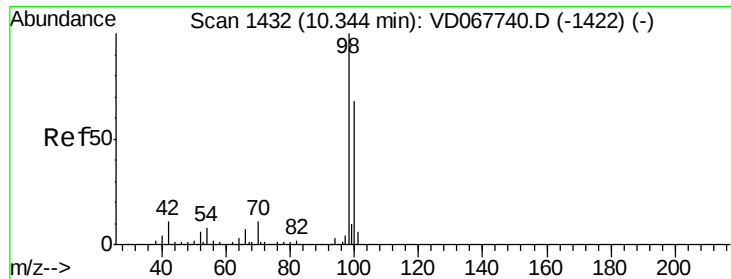
Tgt Ion: 75 Resp: 13597
 Ion Ratio Lower Upper
 75 100
 110 15.5 20.1 60.2#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.514 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD067769.D
 Acq: 24 Nov 2020 15:14

Tgt Ion: 117 Resp: 20522
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.6 115.0#
 121 0.0 24.5 36.7#

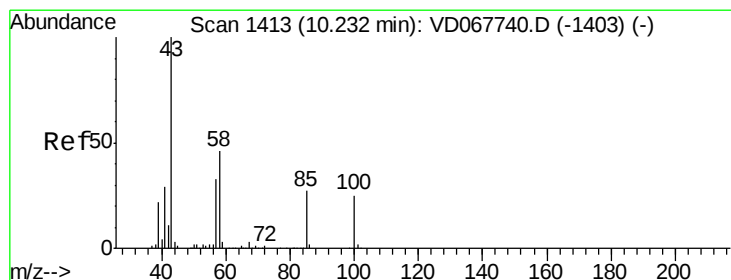
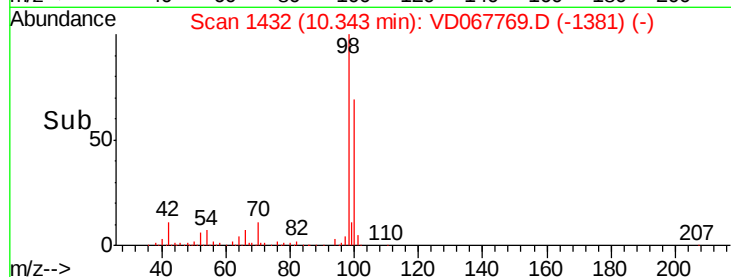
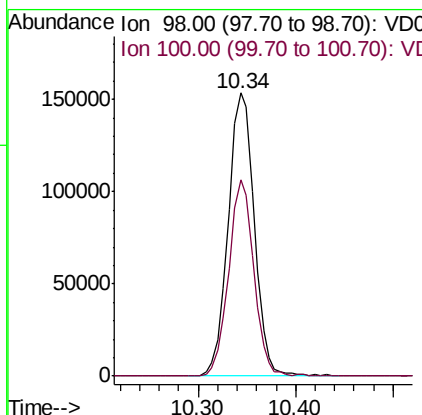
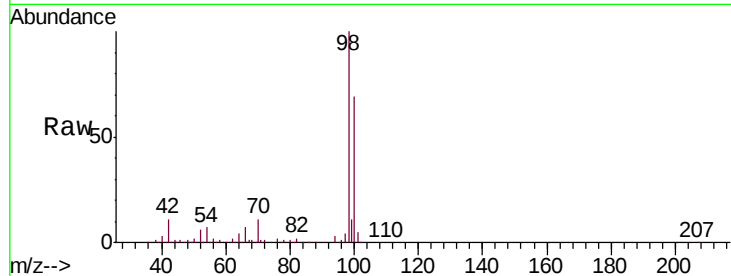




#50
Toluene-d8
Concen: 41.023 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

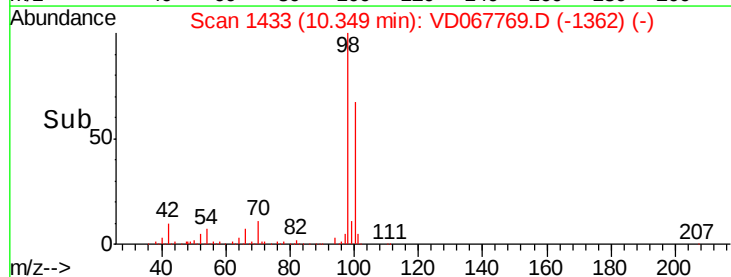
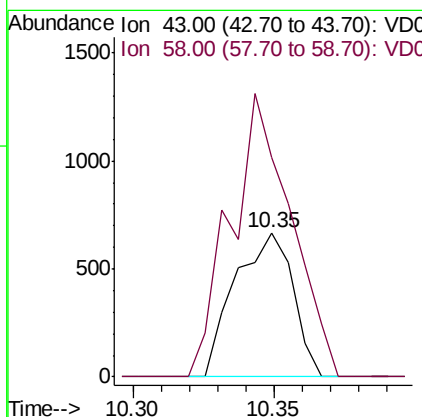
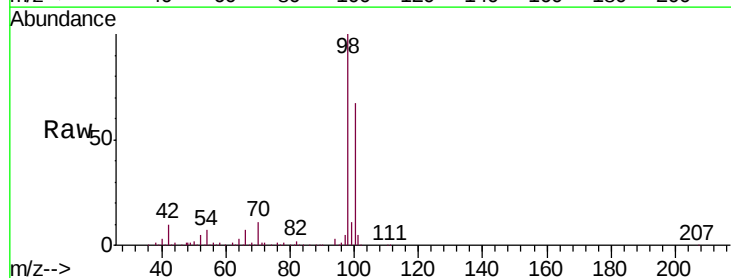
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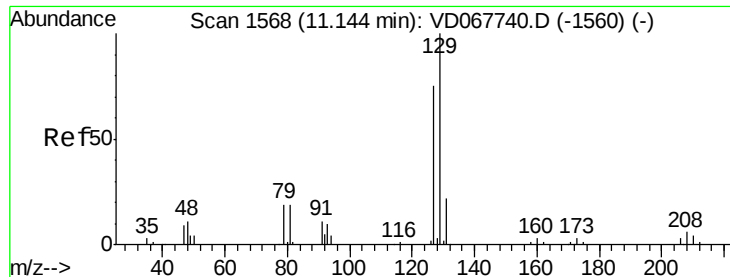
Tgt Ion: 98 Resp: 285577
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.466 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 204.4 34.7 52.1#

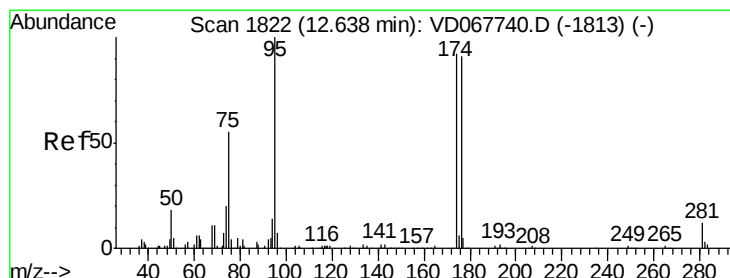
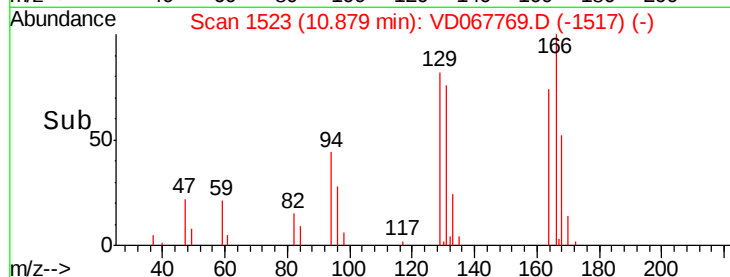
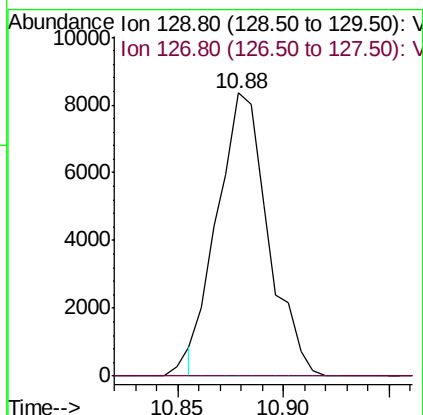
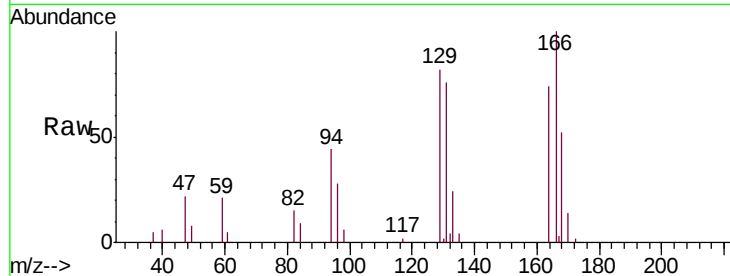




#60
Dibromochloromethane
Concen: 6.873 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.26 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

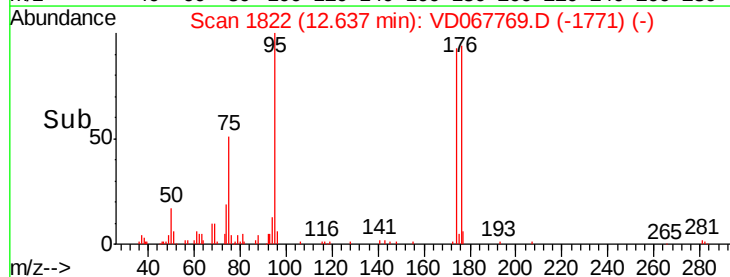
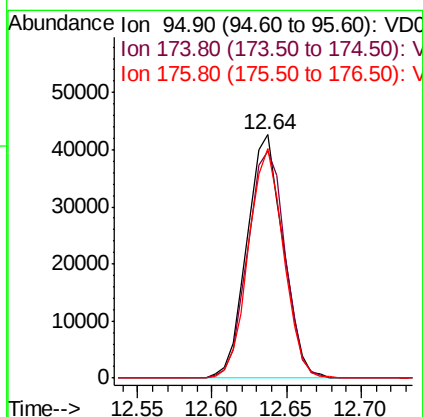
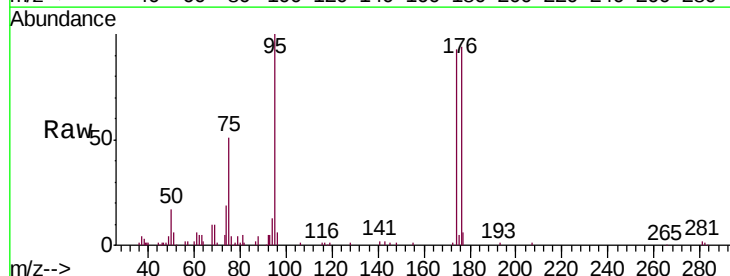
Instrument :
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ClientSampleId :
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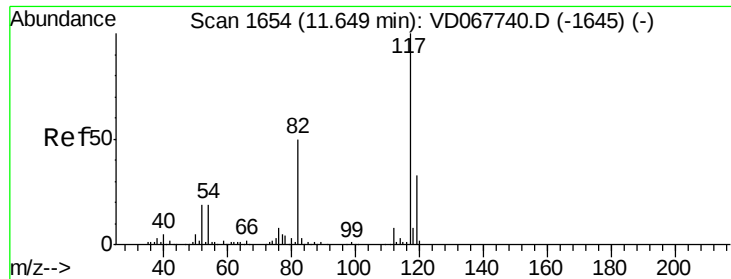
Tgt Ion:129 Resp: 13843
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 30.068 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

Tgt Ion: 95 Resp: 71545
Ion Ratio Lower Upper
95 100
174 96.0 0.0 182.4
176 90.8 0.0 178.2

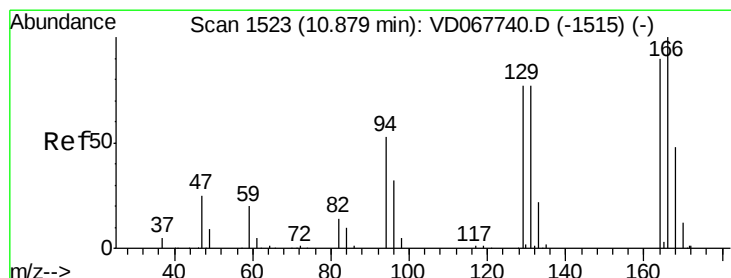
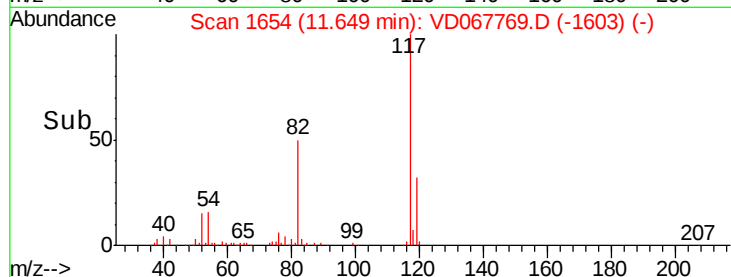
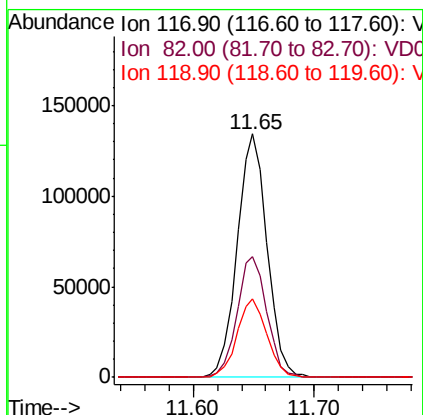
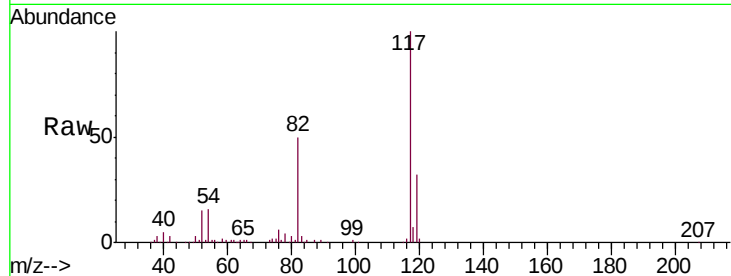




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

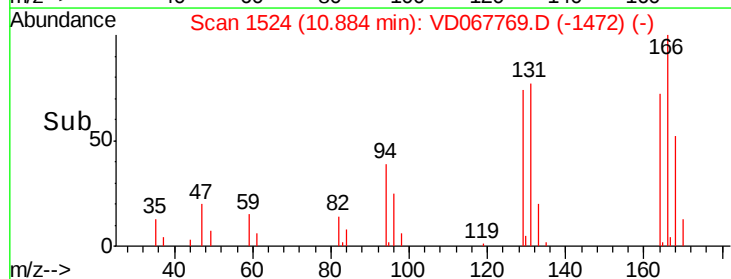
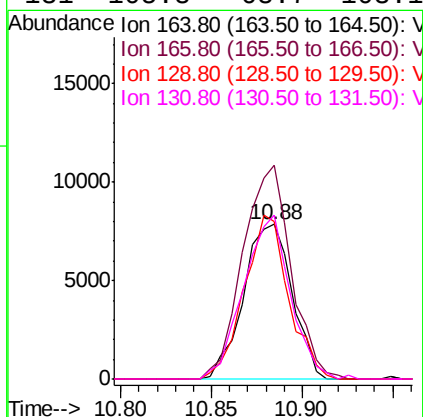
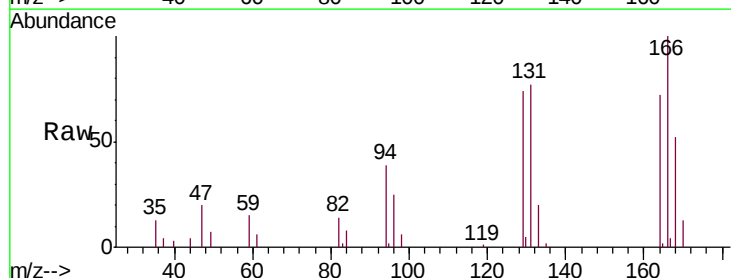
Instrument :
MSVOA_D
ClientSampleId :
304EM-STOCKPILE

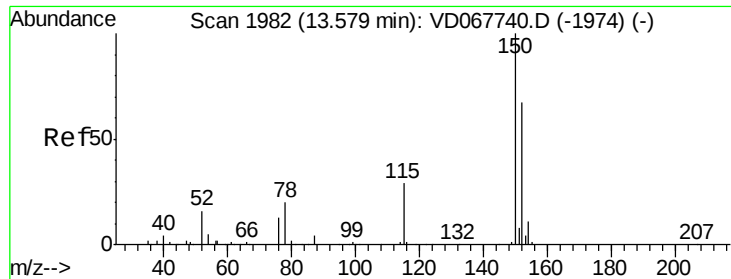
Tgt Ion:117 Resp: 231701
Ion Ratio Lower Upper
117 100
82 49.7 40.2 60.4
119 32.0 26.5 39.7



#64
Tetrachloroethene
Concen: 8.155 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067769.D
Acq: 24 Nov 2020 15:14

Tgt Ion:164 Resp: 14666
Ion Ratio Lower Upper
164 100
166 138.1 89.2 133.8#
129 102.2 68.4 102.6
131 105.8 68.7 103.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067769.D

Acq: 24 Nov 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

304EM-STOCKPILE

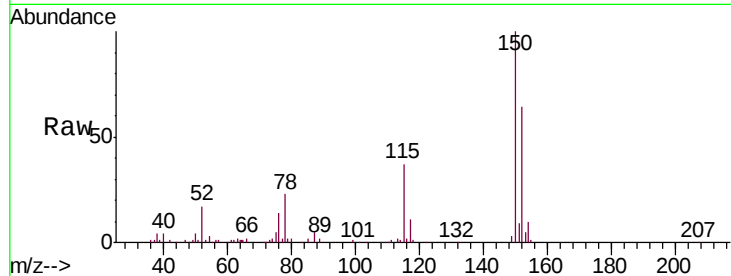
Tgt Ion:152 Resp: 73202

Ion Ratio Lower Upper

152 100

115 58.4 29.4 88.3

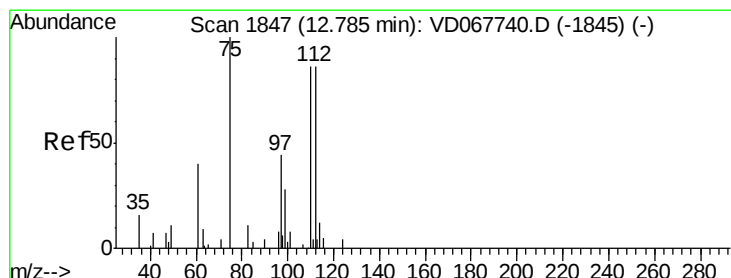
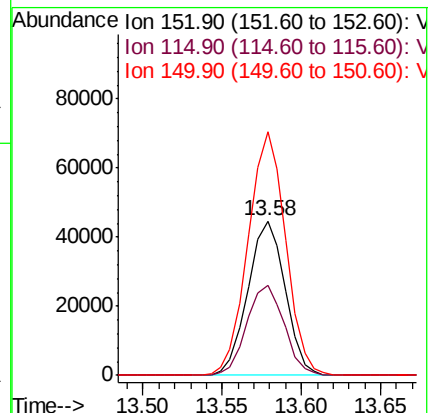
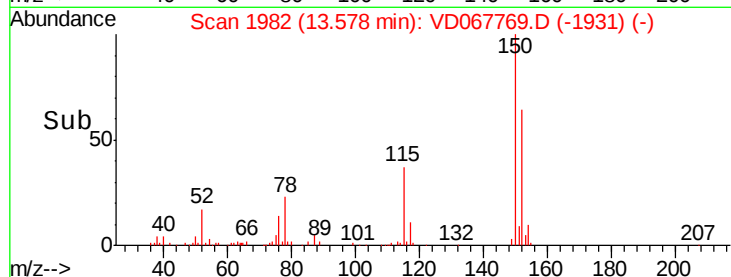
150 158.3 0.0 340.6



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: 71.892 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067769.D

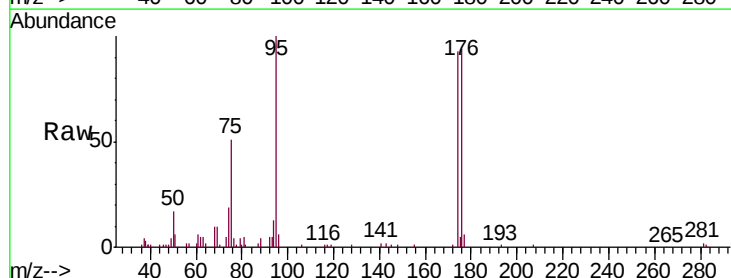
Acq: 24 Nov 2020 15:14

Tgt Ion: 75 Resp: 36678

Ion Ratio Lower Upper

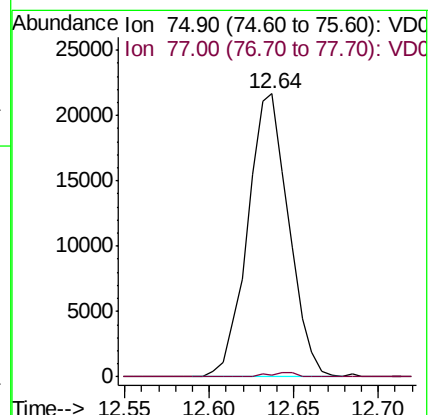
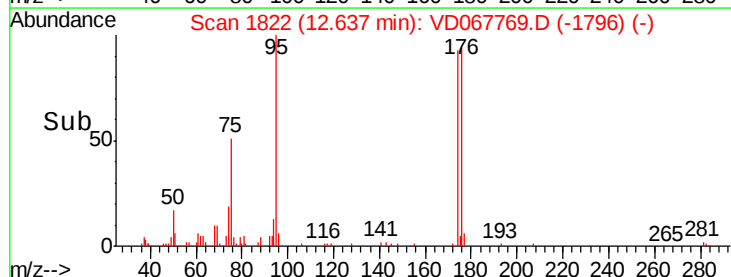
75 100

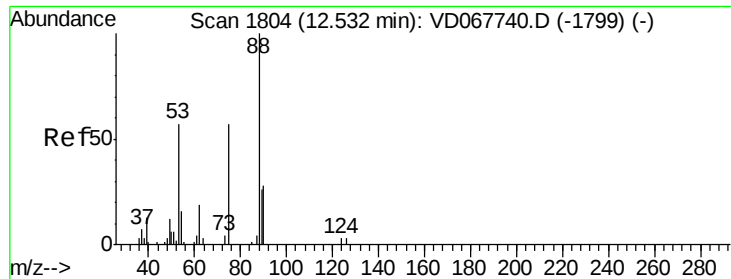
77 1.1 0.0 0.0#



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: 168.150 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067769.D

Acq: 24 Nov 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

304EM-STOCKPILE

Tgt Ion: 75 Resp: 36678

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#

