

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067232.D
 Acq On : 12 Oct 2020 14:25
 Operator : VA/SY
 Sample : L4340-03
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-2332-MH12

Quant Time: Oct 13 00:16:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	609314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	562972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273032	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	185532	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.92	113	194668	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.34	98	712107	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.64	95	244211	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	

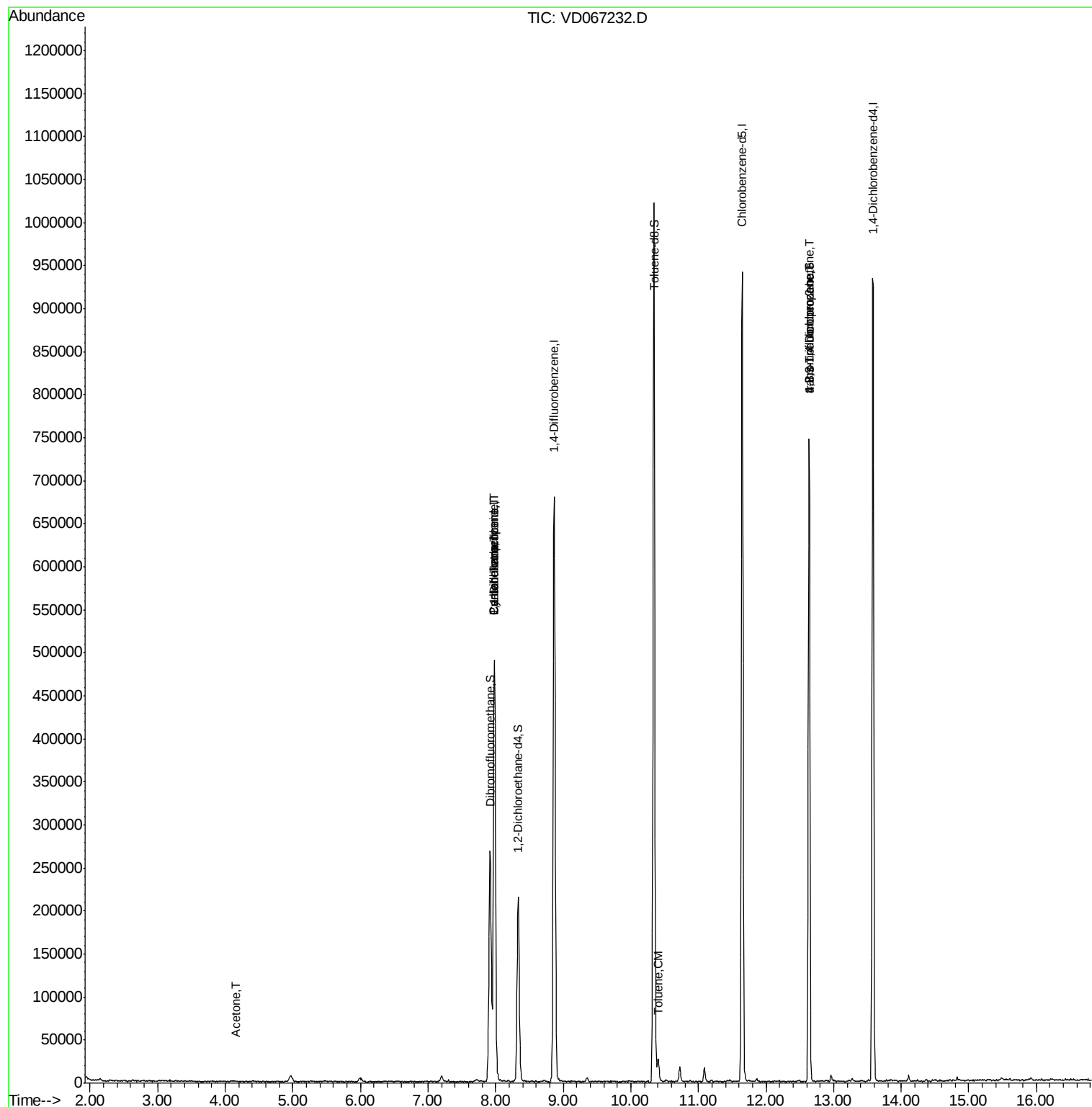
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	478	Below Cal	#	40
5) Bromomethane	2.78	94	327	Below Cal		90
11) Tert butyl alcohol	5.23	59	118	Below Cal	#	72
16) Acetone	4.15	43	683	1.224	ug/l #	42
20) Methylene Chloride	4.97	84	5512	Below Cal	#	76
26) 2,2-Dichloropropane	7.21	77	552	Below Cal	#	53
31) Cyclohexane	7.98	56	7565	1.378	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	26865	4.730	ug/l #	47
38) Carbon Tetrachloride	7.98	117	39181	6.376	ug/l #	14
52) Toluene	10.41	92	11005	1.083	ug/l	89
76) 1,2,3-Trichloropropane	12.64	75	121371	51.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121371	127.236	ug/l #	12

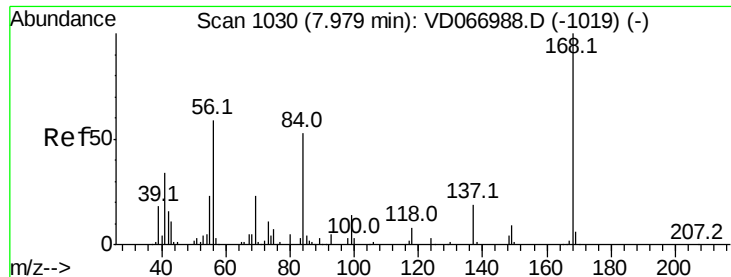
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101220\
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

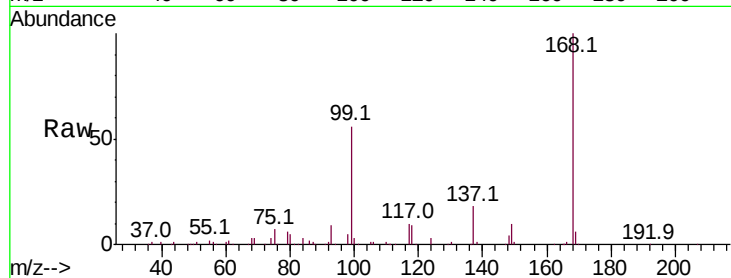
A-2332-MH12

Tot Ion:168 Resp: 379533

Ion Ratio Lower Upper

168 100

99 56.4 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

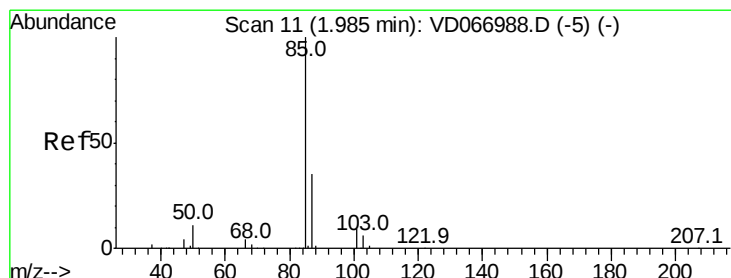
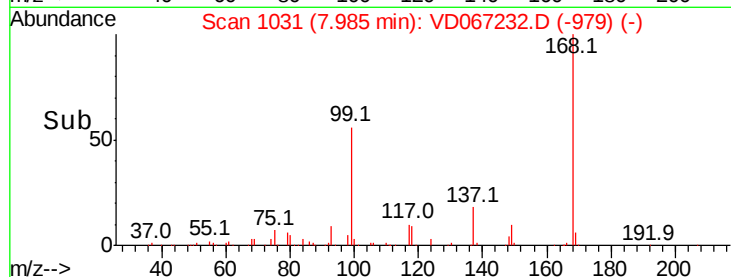
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067232.D

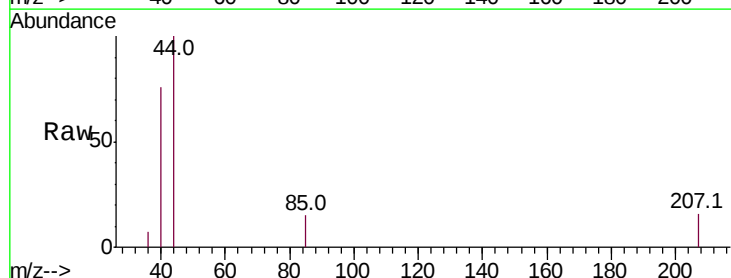
Acq: 12 Oct 2020 14:25

Tgt Ion: 85 Resp: 478

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

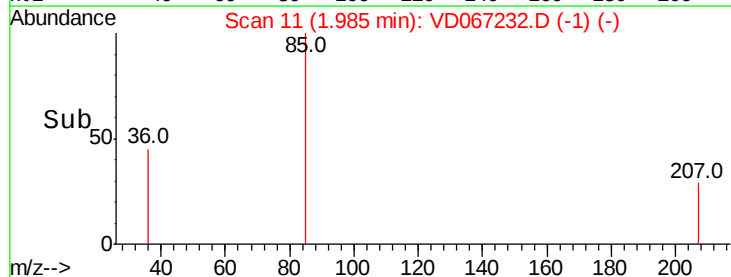
300

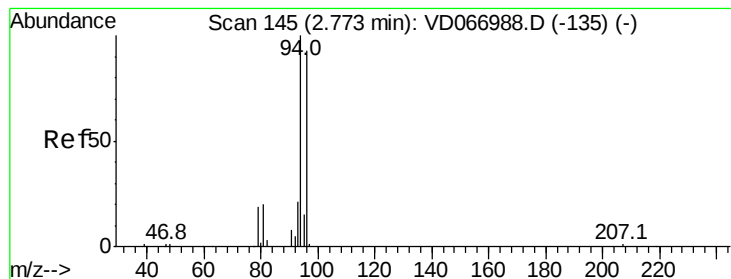
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

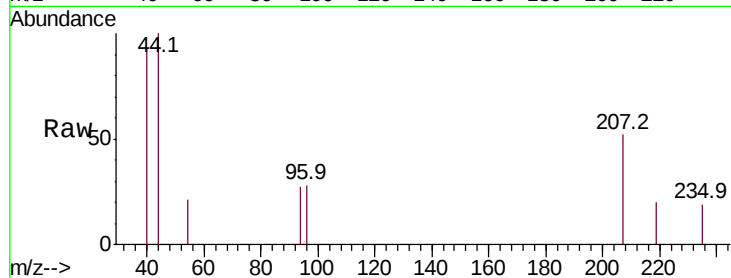
A-2332-MH12

Tot Ion: 94 Resp: 327

Ion Ratio Lower Upper

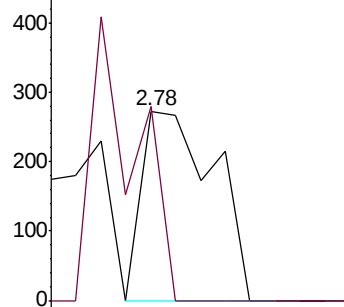
94 100

96 102.6 74.6 112.0

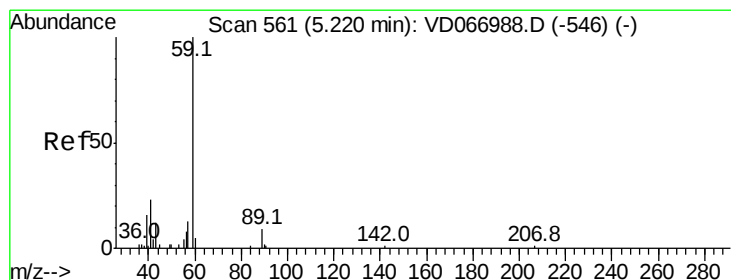
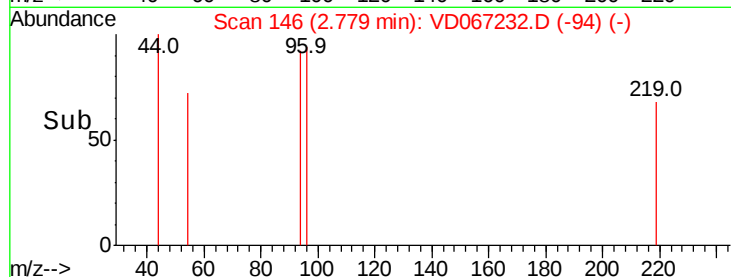


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD067232.D

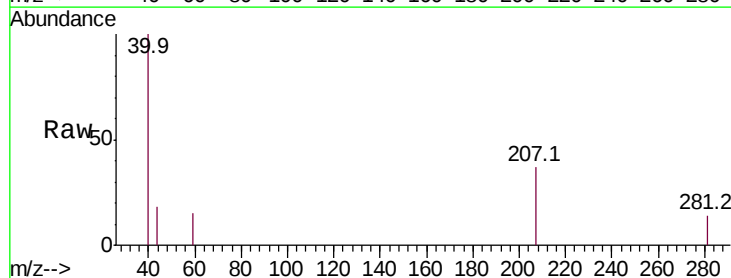
Acq: 12 Oct 2020 14:25

Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

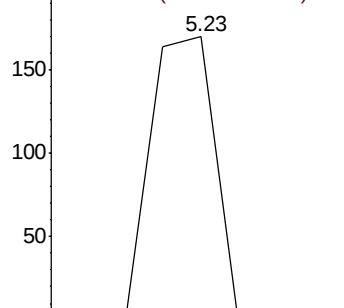
59 100

57 0.0 8.2 12.4#

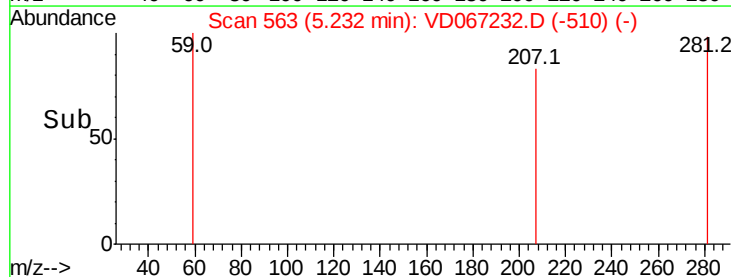


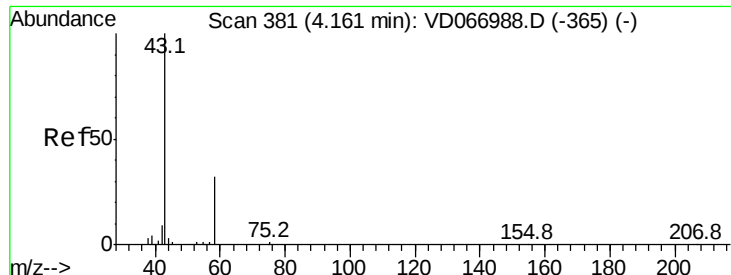
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 1.224 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

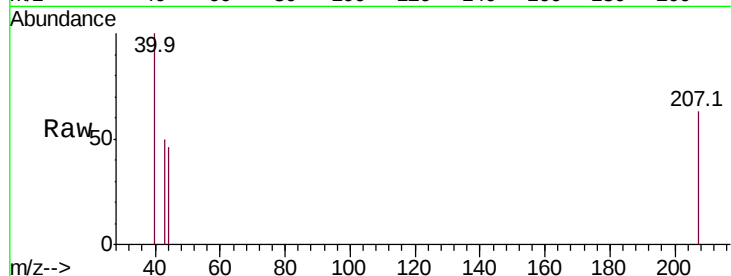
A-2332-MH12

Tot Ion: 43 Resp: 683

Ion Ratio Lower Upper

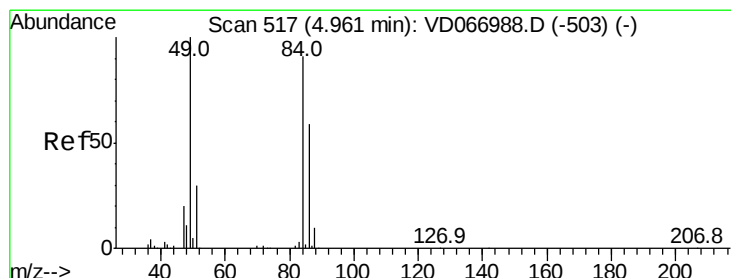
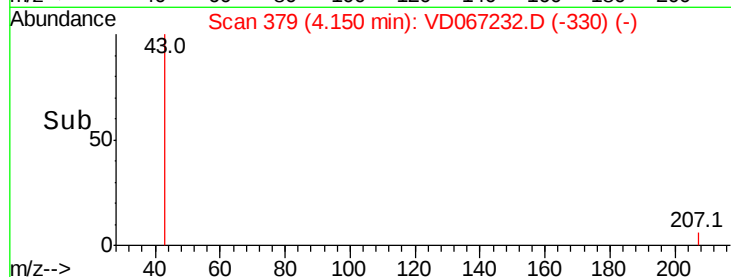
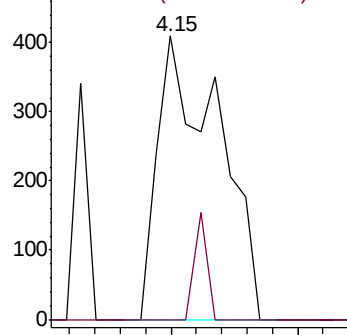
43 100

58 0.0 25.9 38.9#



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# 519

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Tgt Ion: 84 Resp: 5512

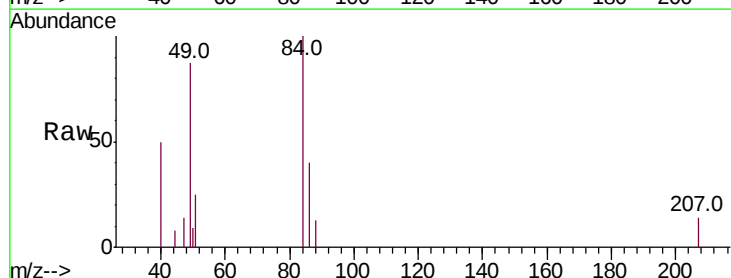
Ion Ratio Lower Upper

84 100

49 87.0 88.2 132.2#

51 25.0 26.6 39.8#

86 40.3 52.1 78.1#

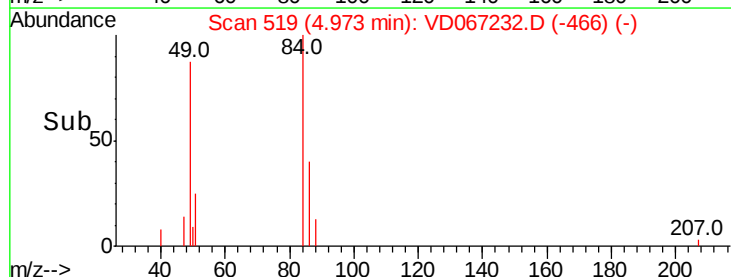
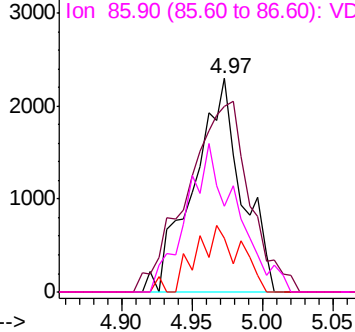


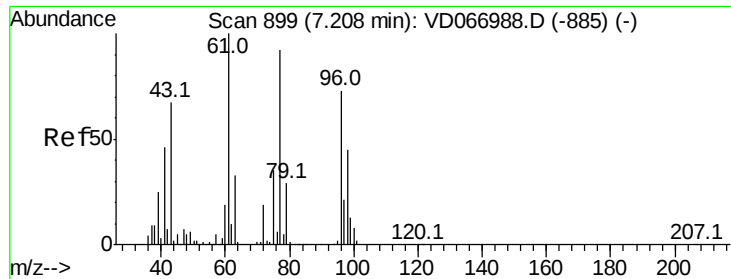
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

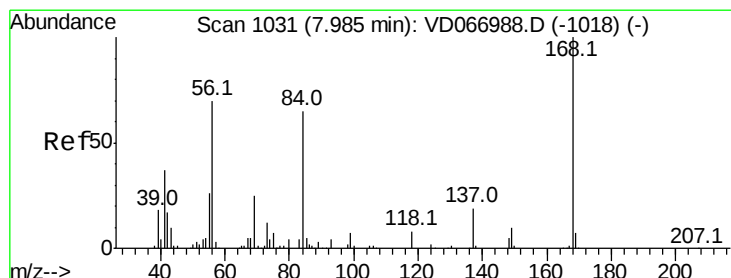
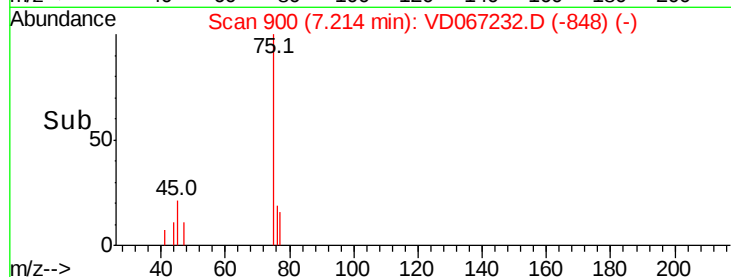
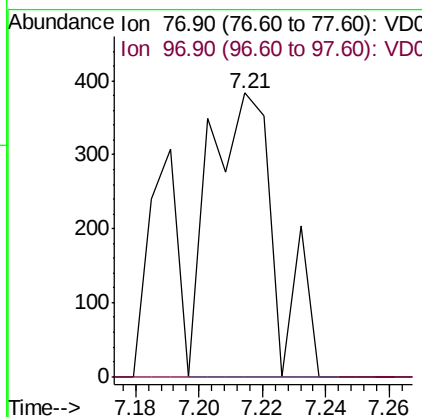
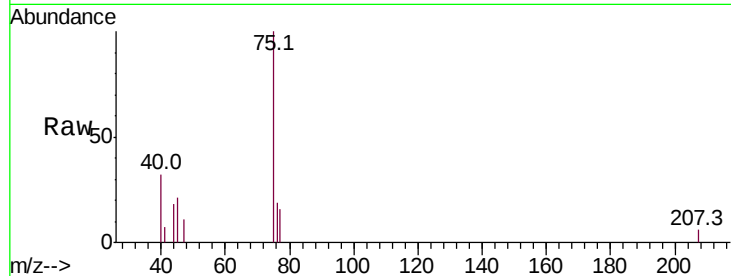




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067232.D
Acq: 12 Oct 2020 14:25

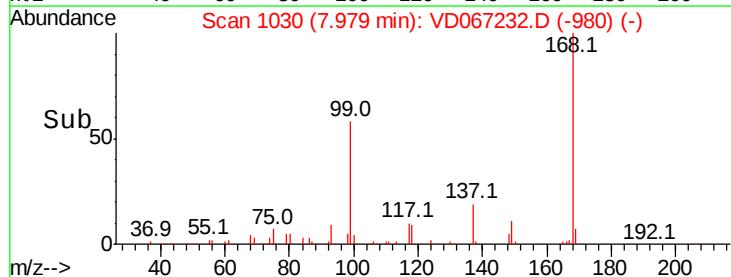
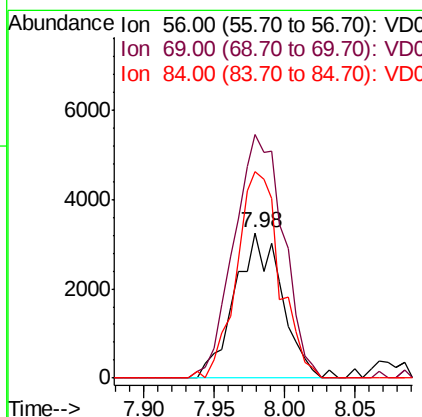
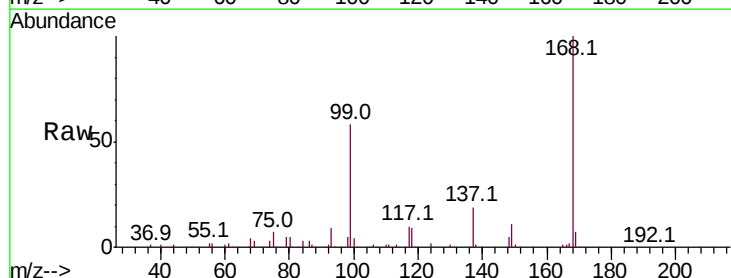
Instrument :
MSVOA_D
ClientSampleId :
A-2332-MH12

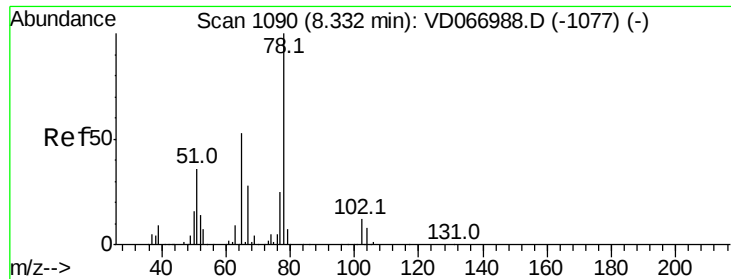
Tot Ion: 77 Resp: 552
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.378 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067232.D
Acq: 12 Oct 2020 14:25

Tgt Ion: 56 Resp: 7565
Ion Ratio Lower Upper
56 100
69 167.4 29.0 43.6#
84 142.0 74.2 111.2#

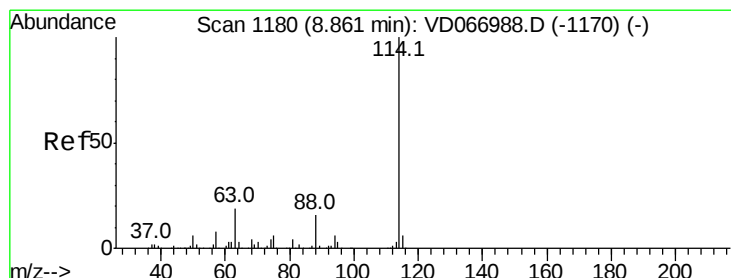
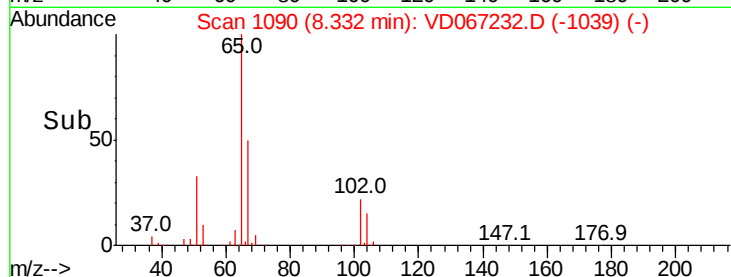
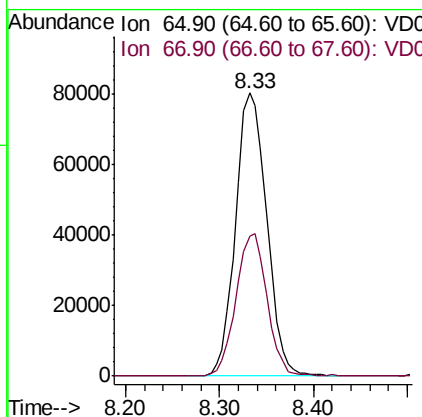
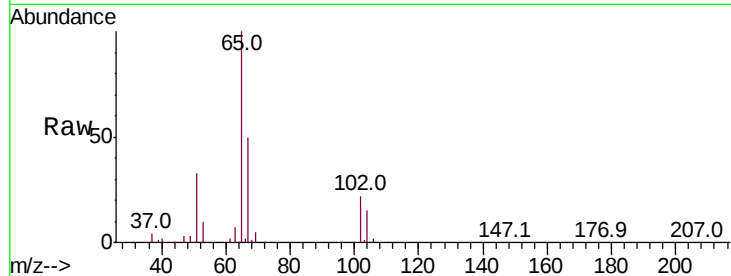




#33
 1,2-Dichloroethane-d4
 Concen: 50.752 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067232.D
 Acq: 12 Oct 2020 14:25

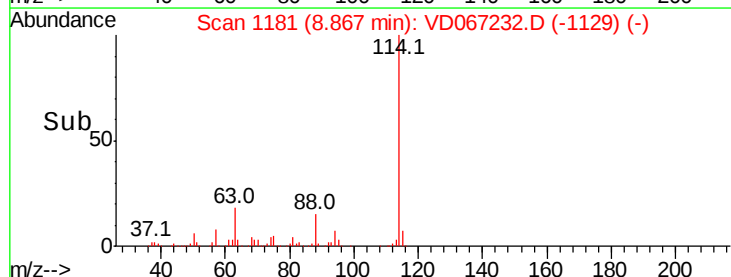
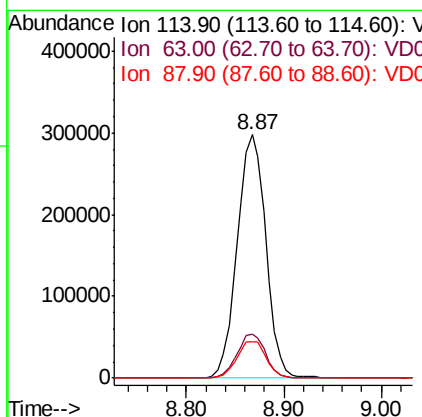
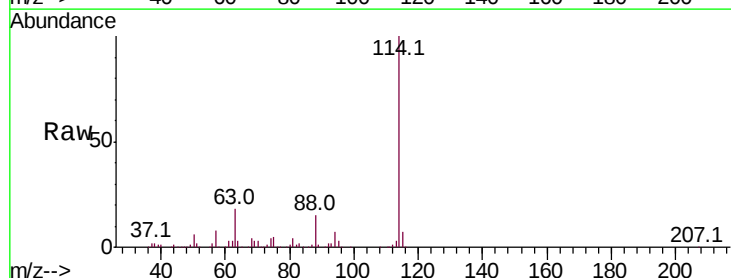
Instrument :
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 A-2332-MH12

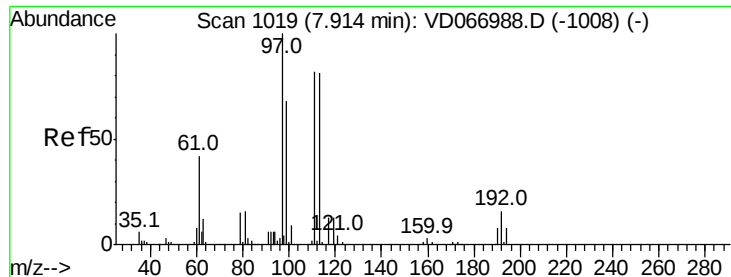
Tot Ion: 65 Resp: 185532
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067232.D
 Acq: 12 Oct 2020 14:25

Tgt Ion:114 Resp: 609314
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.4
 88 15.1 0.0 31.2

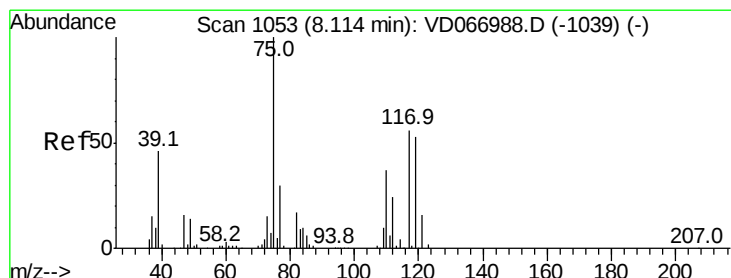
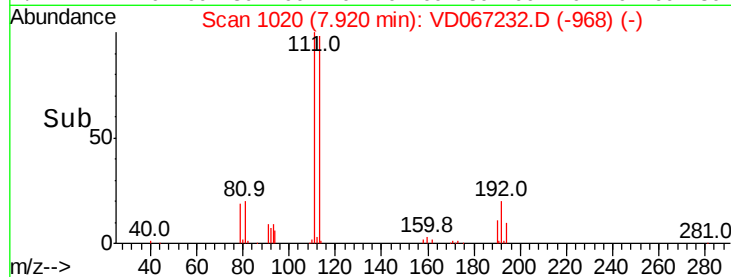
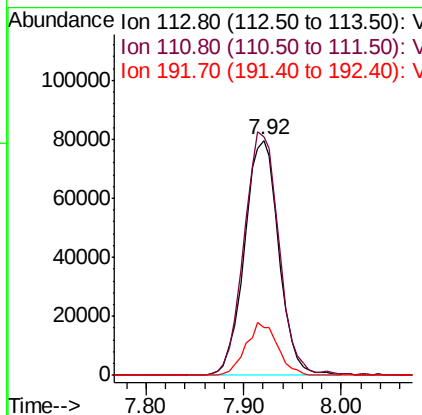
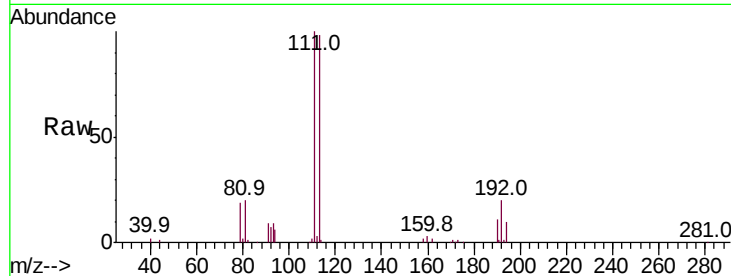




#35
 Dibromofluoromethane
 Concen: 48.800 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067232.D
 Acq: 12 Oct 2020 14:25

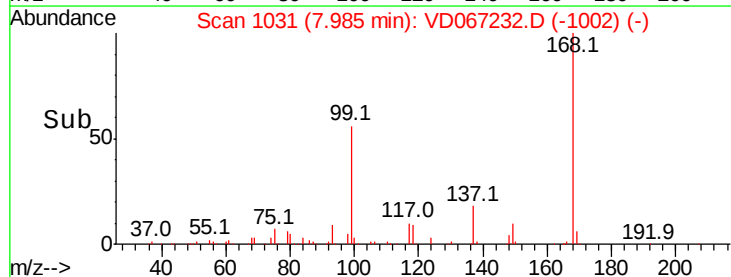
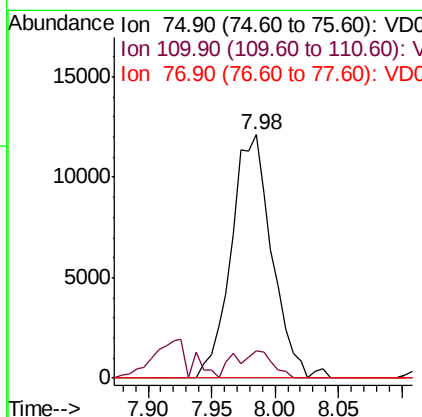
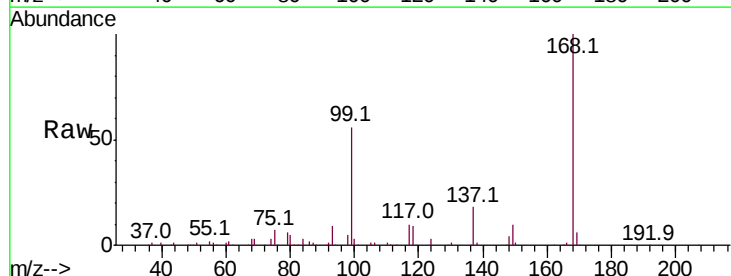
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 A-2332-MH12

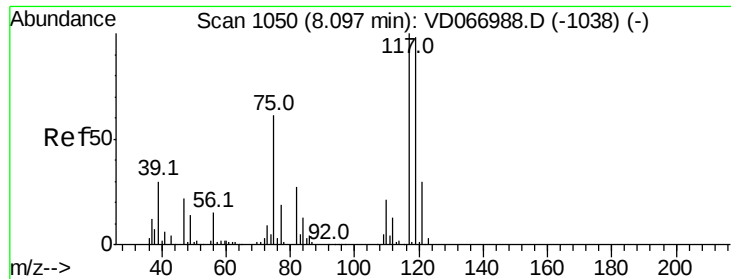
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.1	83.0	124.4
192	20.8	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067232.D
 Acq: 12 Oct 2020 14:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.4	55.0#
77	0.0	24.8	37.2#

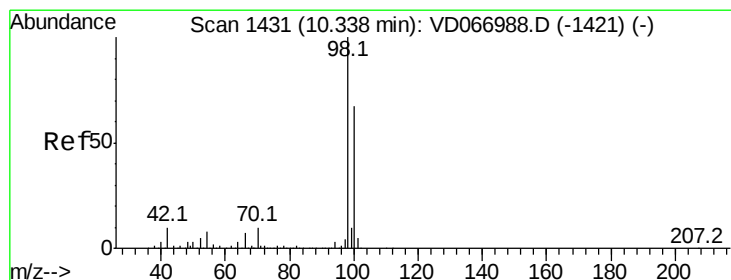
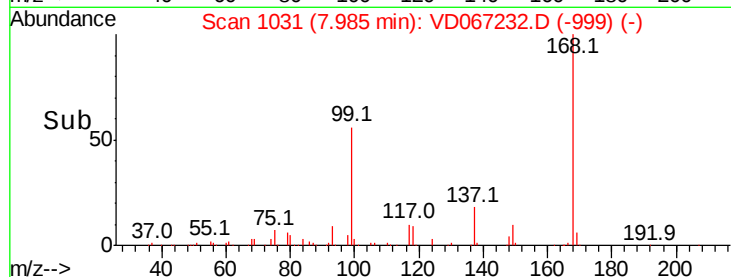
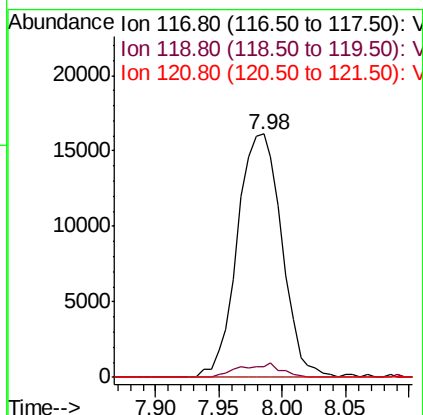
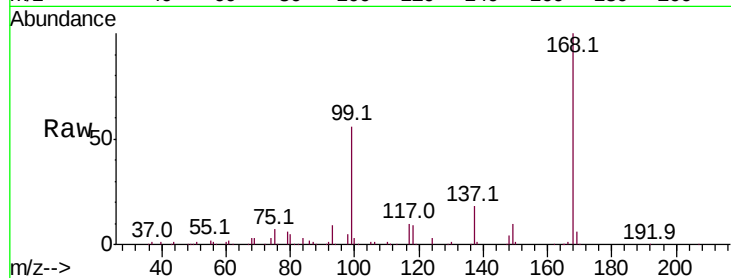




#38
Carbon Tetrachloride
Concen: 6.376 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067232.D
Acq: 12 Oct 2020 14:25

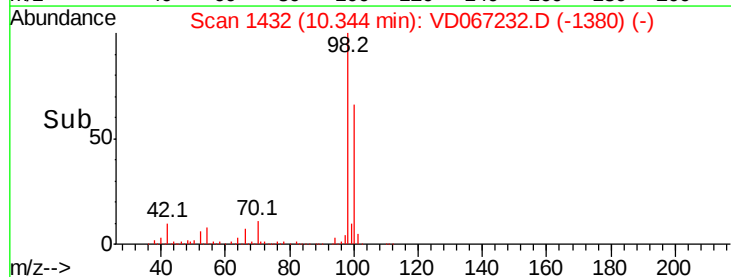
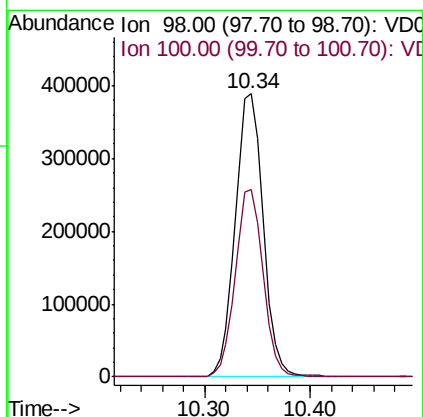
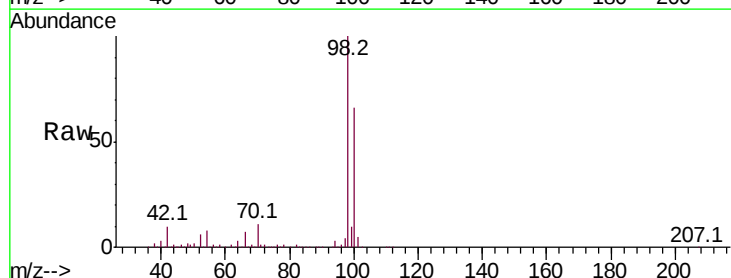
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A-2332-MH12

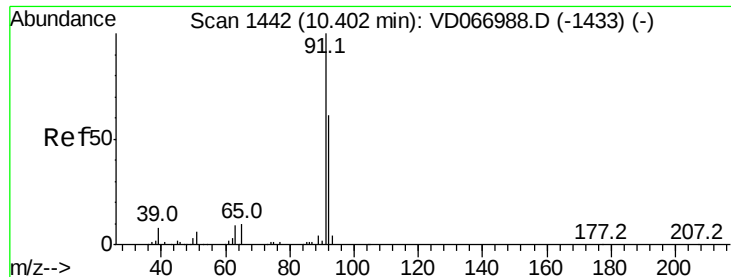
Tot Ion:117 Resp: 39181
Ion Ratio Lower Upper
117 100
119 4.3 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.990 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067232.D
Acq: 12 Oct 2020 14:25

Tgt Ion: 98 Resp: 712107
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2





#52

Toluene

Concen: 1.083 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

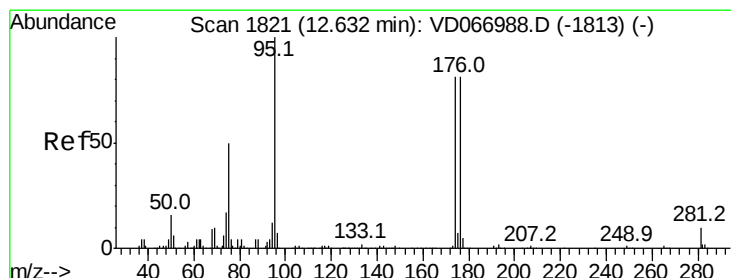
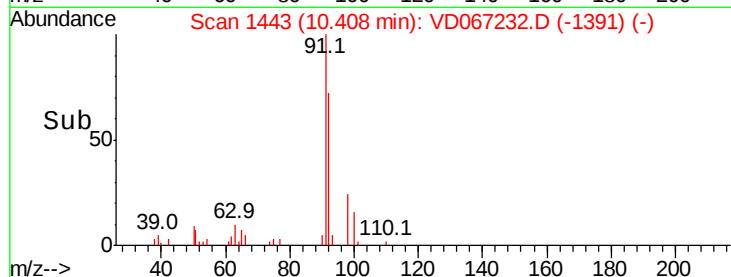
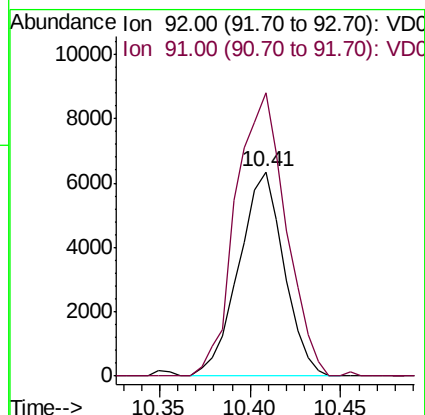
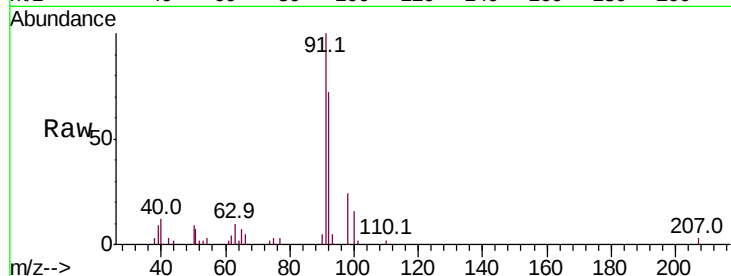
A-2332-MH12

Tot Ion: 92 Resp: 11005

Ion Ratio Lower Upper

92 100

91 153.5 135.1 202.7



#62

4-Bromofluorobenzene

Concen: 49.490 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

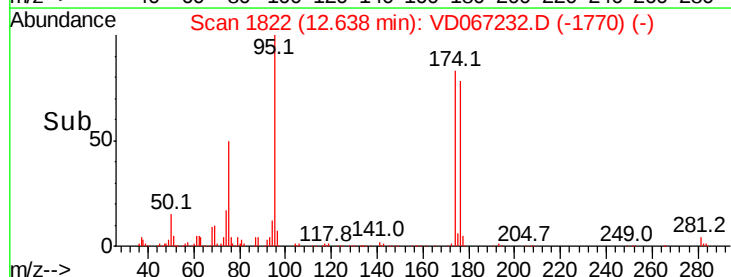
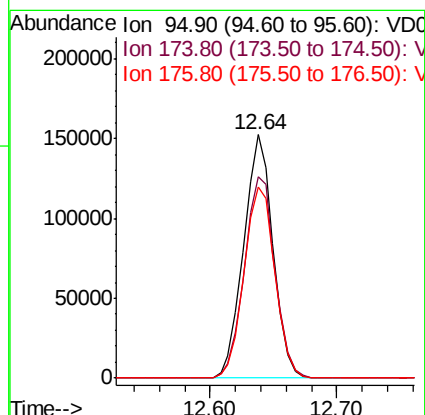
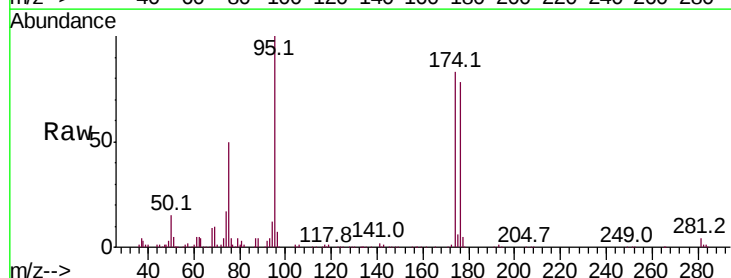
Tgt Ion: 95 Resp: 244211

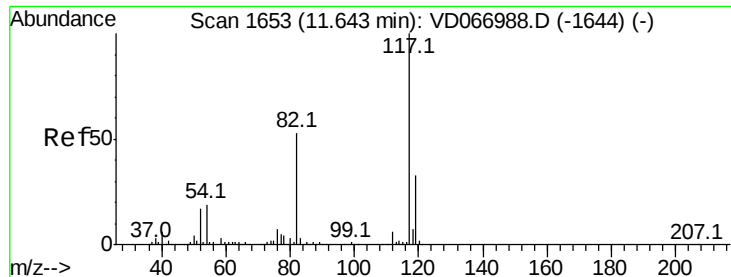
Ion Ratio Lower Upper

95 100

174 86.4 0.0 167.6

176 82.6 0.0 162.4

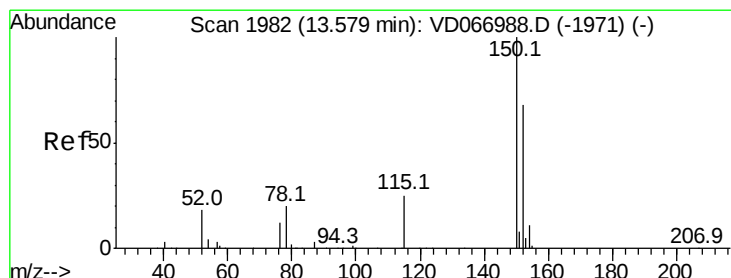
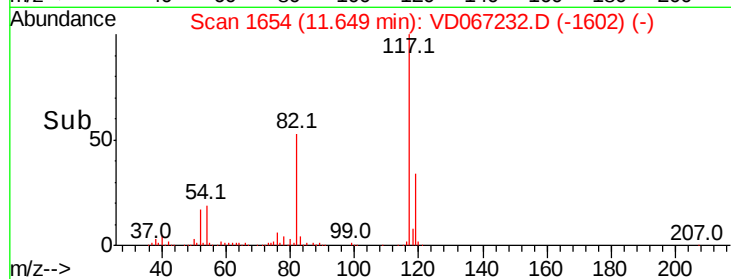
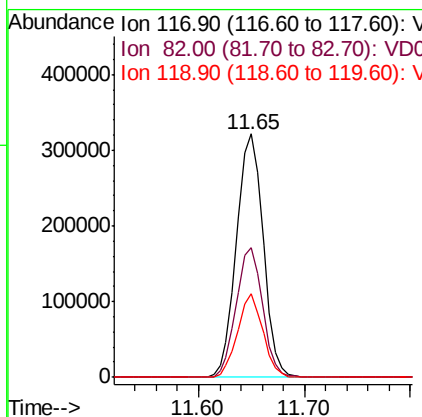
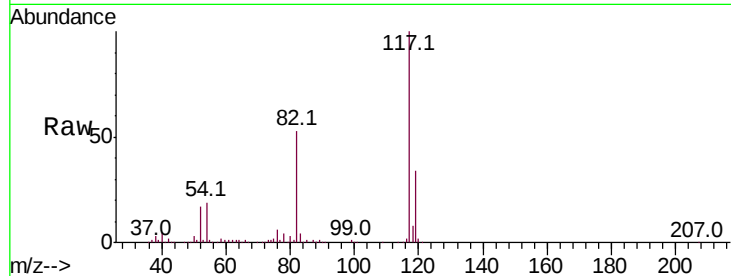




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067232.D
Acq: 12 Oct 2020 14:25

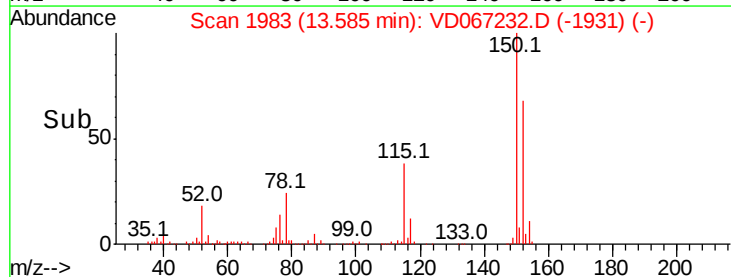
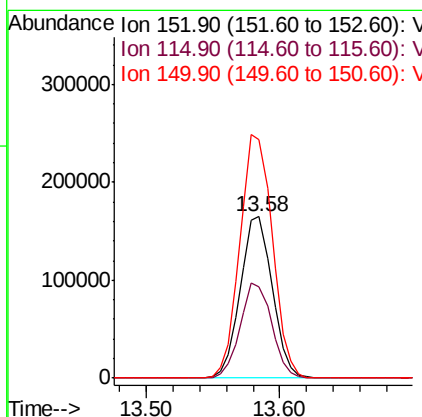
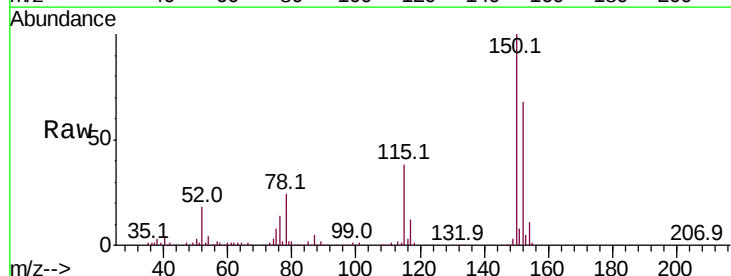
Instrument :
MSVOA_D
ClientSampleId :
A-2332-MH12

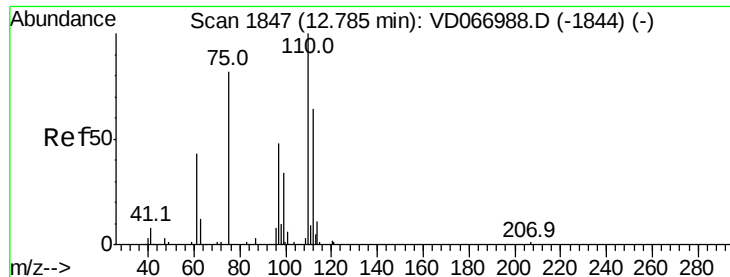
Tot Ion:117 Resp: 562972
Ion Ratio Lower Upper
117 100
82 53.1 42.6 63.8
119 34.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067232.D
Acq: 12 Oct 2020 14:25

Tgt Ion:152 Resp: 273032
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.8
150 153.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 51.035 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

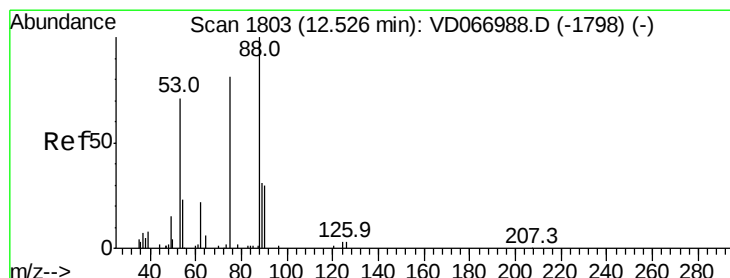
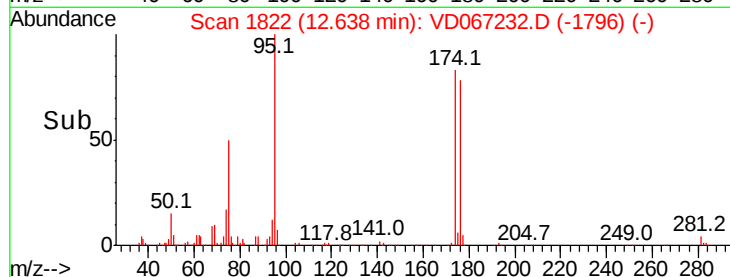
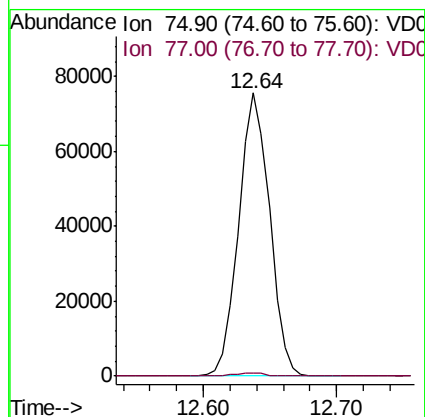
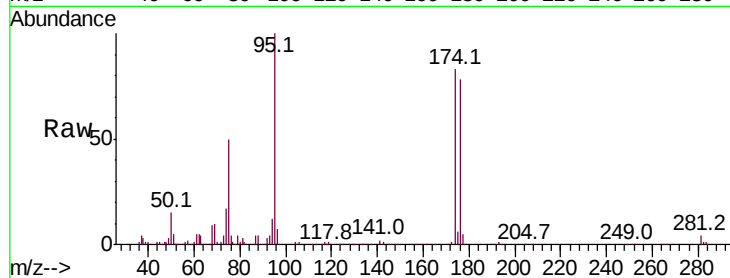
A-2332-MH12

Tot Ion: 75 Resp: 121371

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.236 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067232.D

Acq: 12 Oct 2020 14:25

Tgt Ion: 75 Resp: 121371

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#

