

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111822\
 Data File : VD074988.D
 Acq On : 18 Nov 2022 14:31
 Operator : VA/SY
 Sample : N5638-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-3-111522

Quant Time: Nov 18 22:05:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

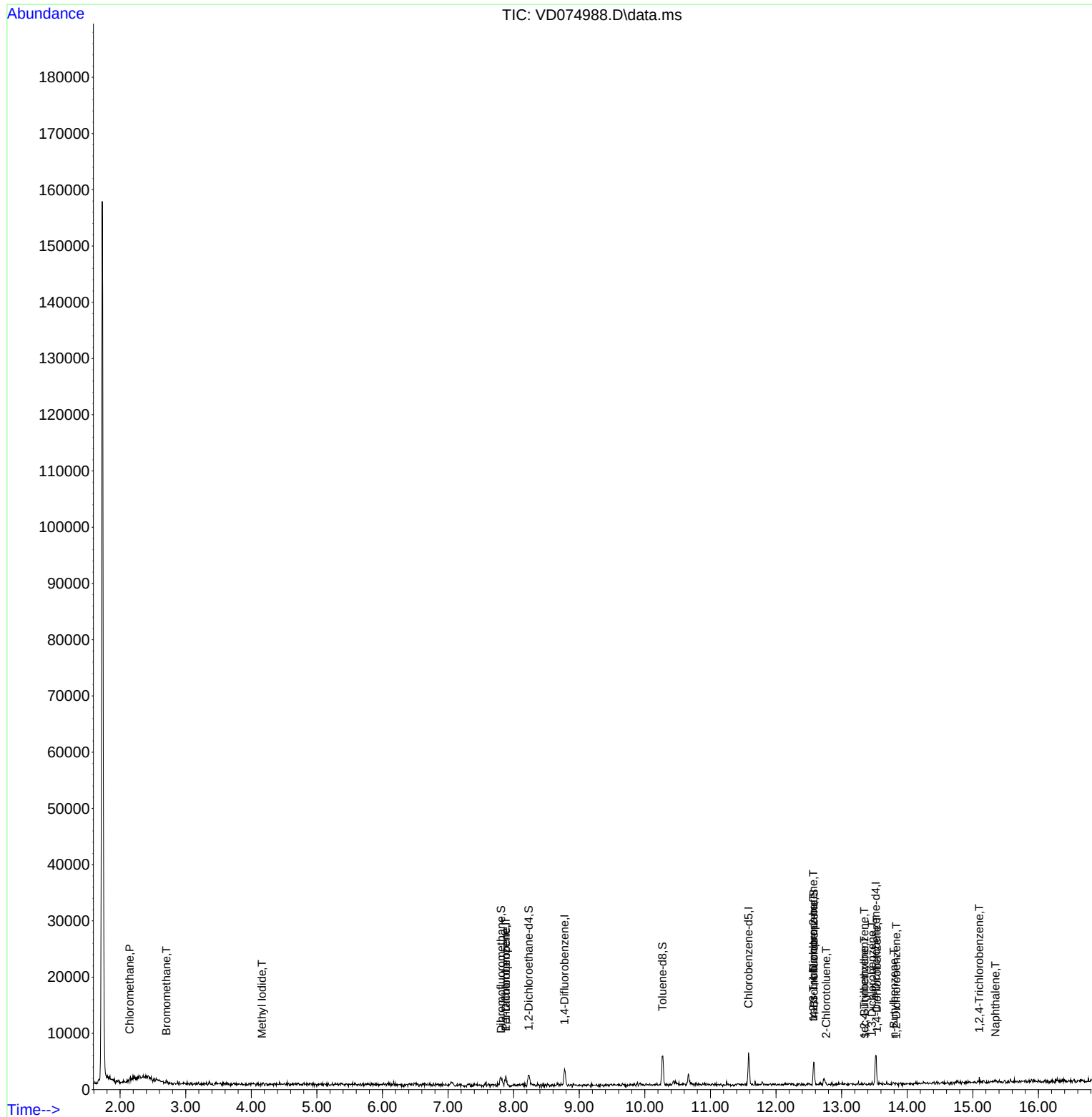
Internal Standards						
1) Pentafluorobenzene	7.881	168	1807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	4068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	4223	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	1701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	1964	178.840	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 357.680%#	
35) Dibromofluoromethane	7.810	113	1594	63.566	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.140%	
50) Toluene-d8	10.269	98	4749	57.492	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.980%	
62) 4-Bromofluorobenzene	12.575	95	1477	58.231	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.460%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	419	19.869	ug/l	# 37
5) Bromomethane	2.705	94	182	8.751	ug/l	# 64
10) Methyl Iodide	4.164	142	136	10.384	ug/l	# 43
36) 1,1-Dichloropropene	7.881	75	62	1.682	ug/l	# 39
76) 1,2,3-Trichloropropane	12.569	75	710	49.904	ug/l	# 1
79) 2-Chlorotoluene	12.763	91	115	1.483	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	12.569	75	710	122.766	ug/l	# 17
84) 1,2,4-Trimethylbenzene	13.345	105	134	1.389	ug/l	# 31
85) sec-Butylbenzene	13.345	105	134	1.041	ug/l	# 56
87) 1,3-Dichlorobenzene	13.463	146	85	1.491	ug/l	# 74
88) 1,4-Dichlorobenzene	13.540	146	134	2.369	ug/l	# 25
89) n-Butylbenzene	13.798	91	194	1.952	ug/l	# 33
91) 1,2-Dichlorobenzene	13.834	146	71	1.465	ug/l	# 25
93) 1,2,4-Trichlorobenzene	15.098	180	153	5.186	ug/l	# 47
95) Naphthalene	15.345	128	595	10.866	ug/l	# 69

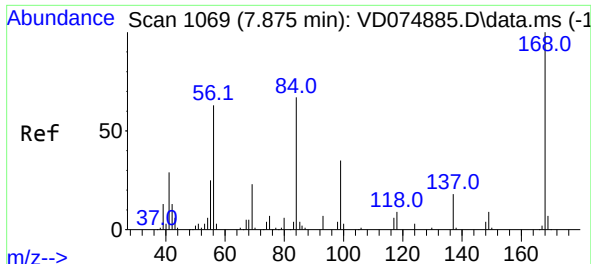
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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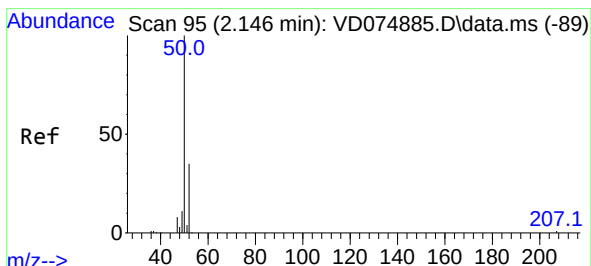
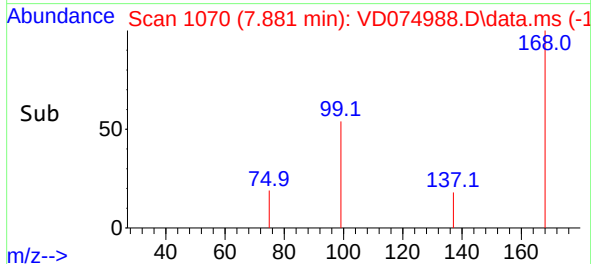
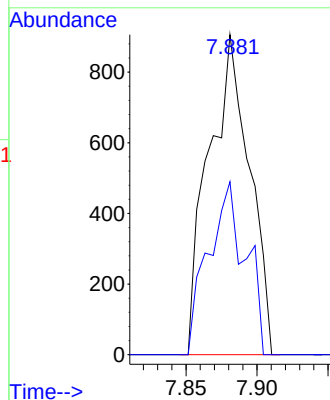
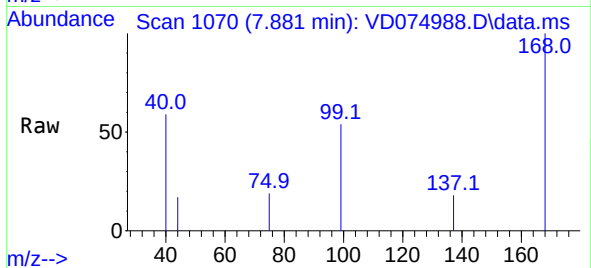




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

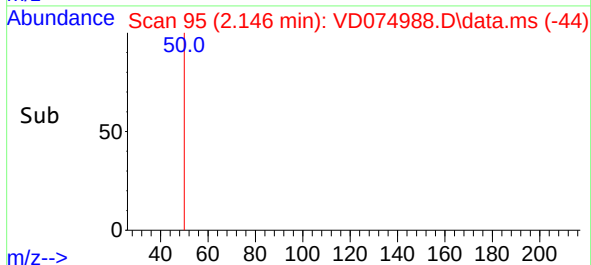
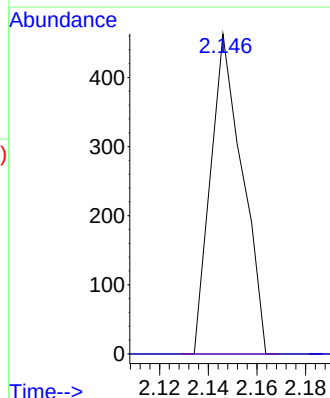
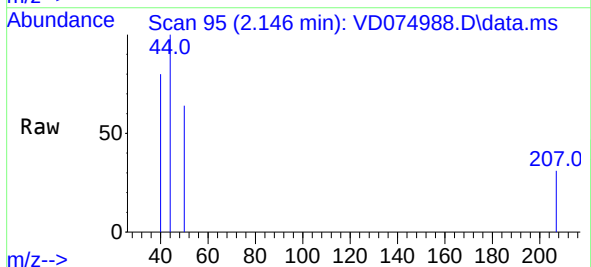
Instrument :
MSVOA_D
ClientSampleId :
JC-3-111522

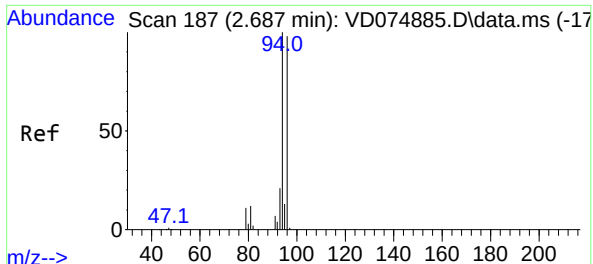
Tgt Ion:168 Resp: 1807
Ion Ratio Lower Upper
168 100
99 54.1 40.9 61.3



#3
Chloromethane
Concen: 19.869 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

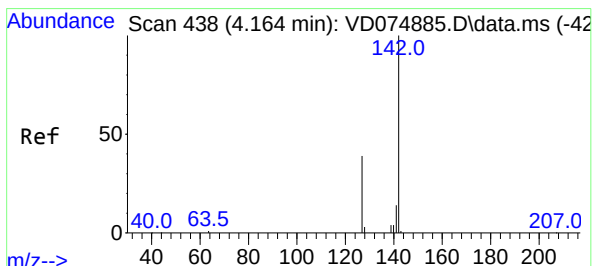
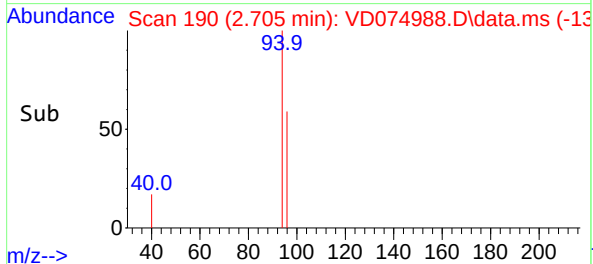
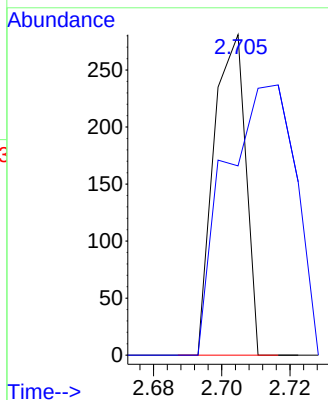
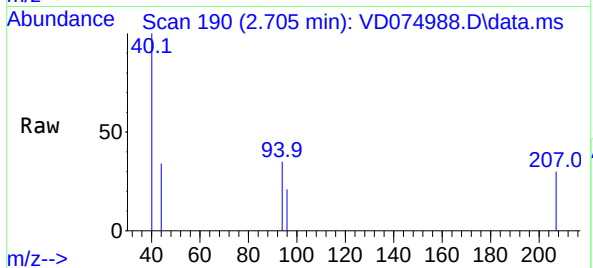




#5
Bromomethane
Concen: 8.751 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

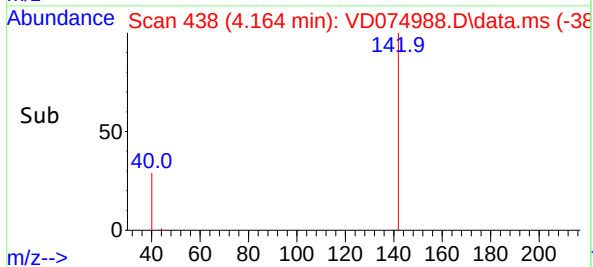
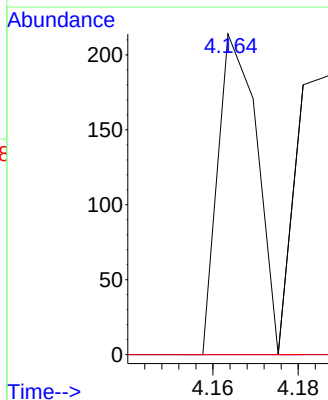
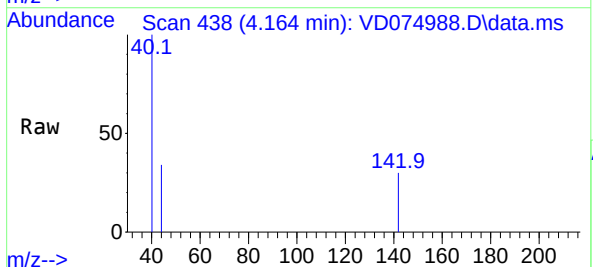
Instrument :
MSVOA_D
ClientSampleId :
JC-3-111522

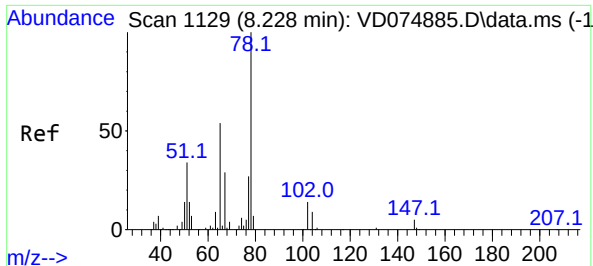
Tgt Ion: 94 Resp: 182
Ion Ratio Lower Upper
94 100
96 59.1 74.6 112.0#



#10
Methyl Iodide
Concen: 10.384 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion:142 Resp: 136
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#33

1,2-Dichloroethane-d4

Concen: 178.840 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074988.D

Acq: 18 Nov 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

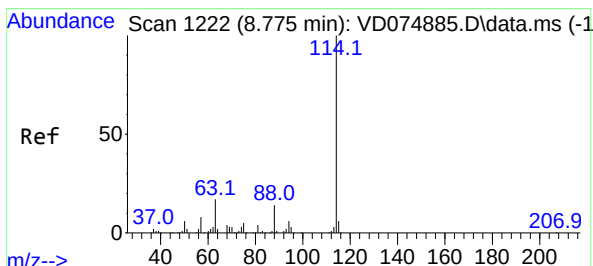
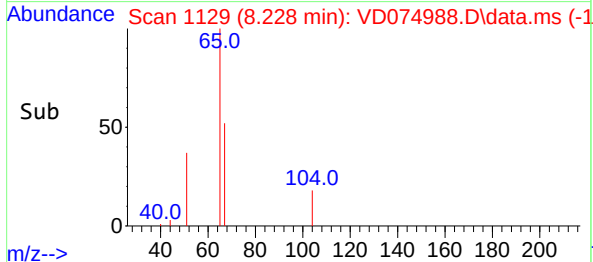
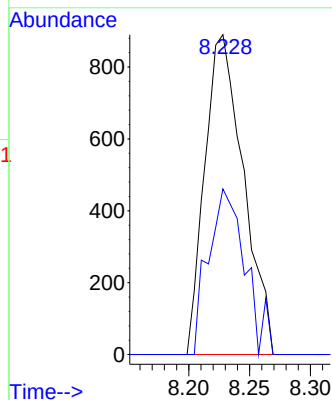
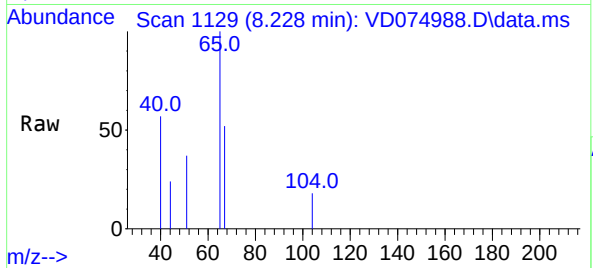
JC-3-111522

Tgt Ion: 65 Resp: 1964

Ion Ratio Lower Upper

65 100

67 49.3 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074988.D

Acq: 18 Nov 2022 14:31

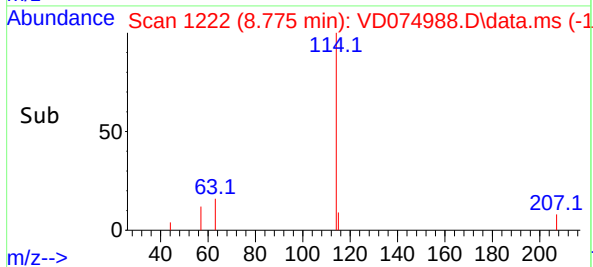
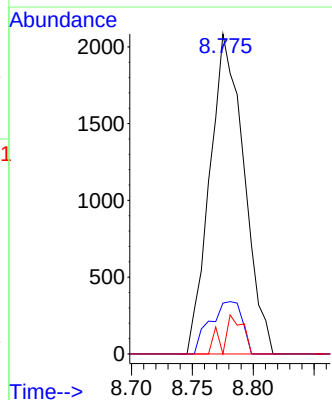
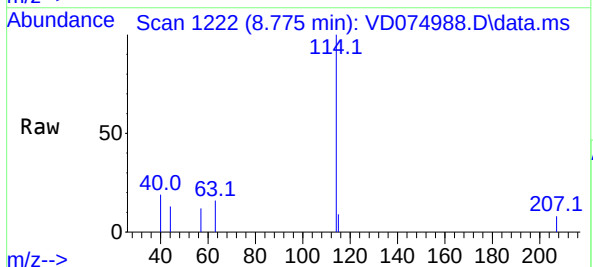
Tgt Ion: 114 Resp: 4068

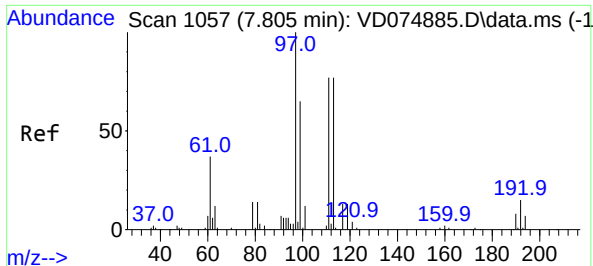
Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 0.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 63.566 ug/l

RT: 7.810 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD074988.D

Acq: 18 Nov 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

JC-3-111522

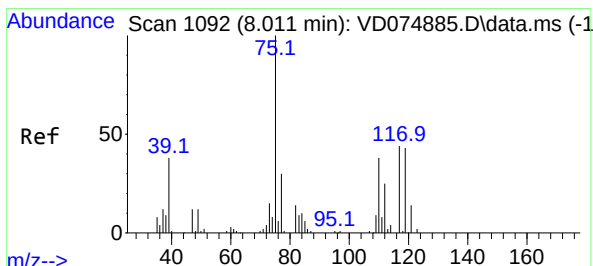
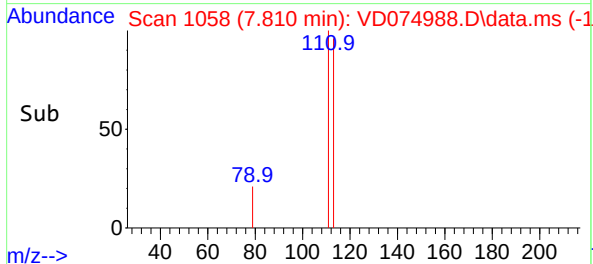
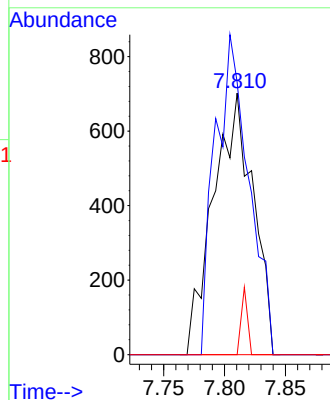
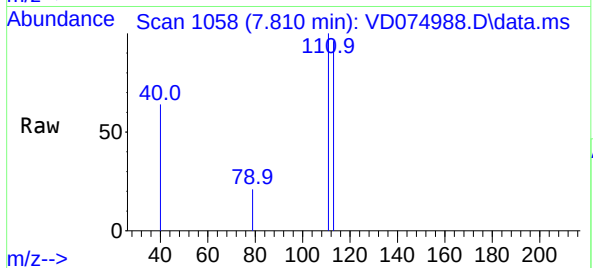
Tgt Ion:113 Resp: 1594

Ion Ratio Lower Upper

113 100

111 104.0 82.3 123.5

192 4.0 16.4 24.6#



#36

1,1-Dichloropropene

Concen: 1.682 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074988.D

Acq: 18 Nov 2022 14:31

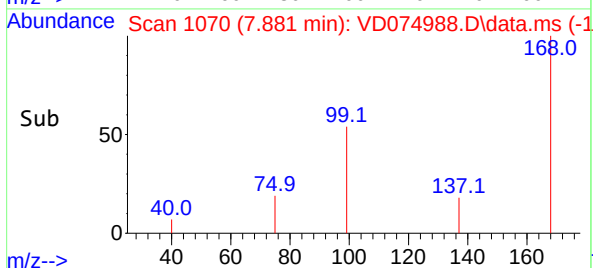
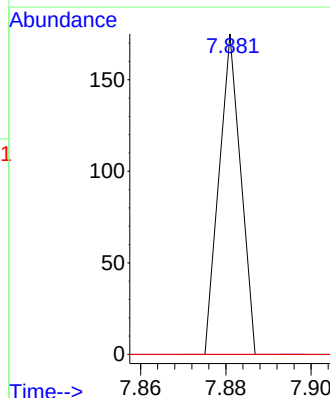
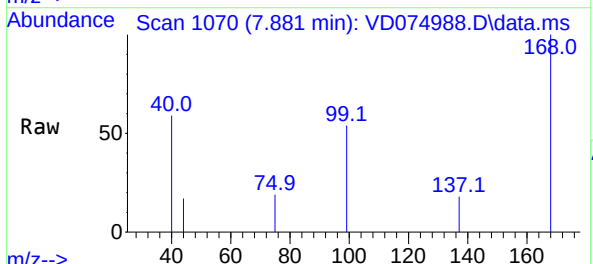
Tgt Ion: 75 Resp: 62

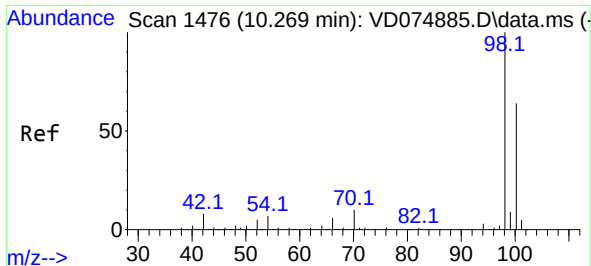
Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

77 0.0 25.4 38.2#

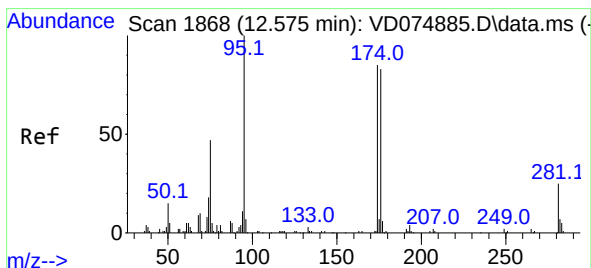
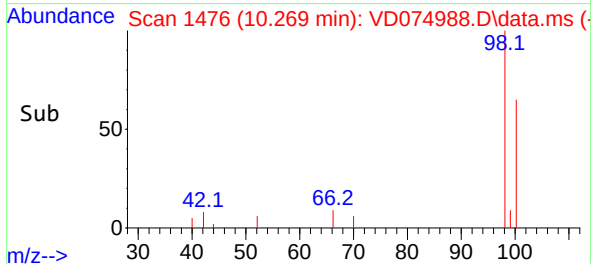
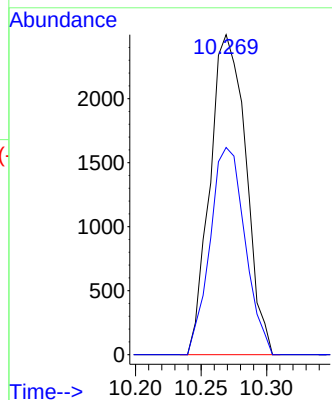
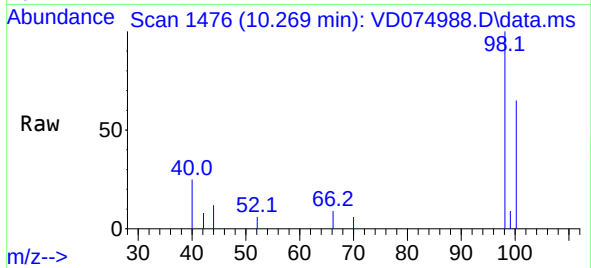




#50
Toluene-d8
Concen: 57.492 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

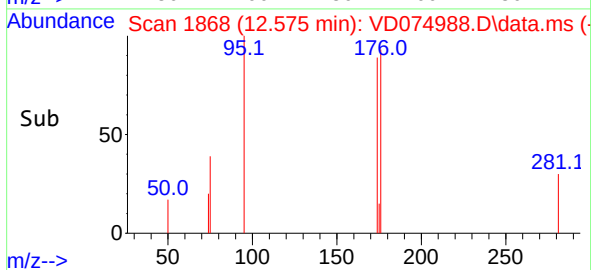
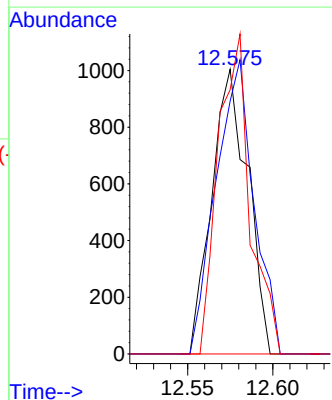
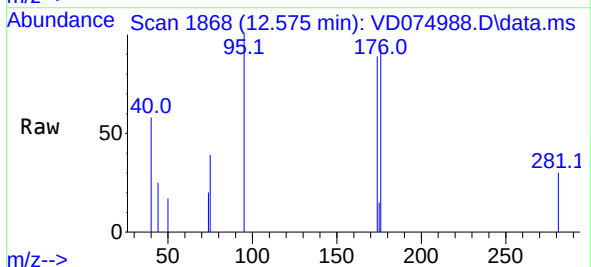
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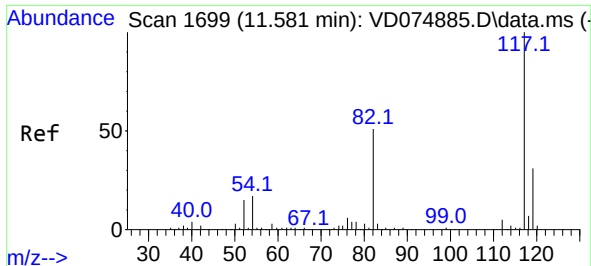
Tgt Ion: 98 Resp: 4749
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 58.231 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion: 95 Resp: 1477
Ion Ratio Lower Upper
95 100
174 108.8 0.0 197.0
176 99.6 0.0 182.6

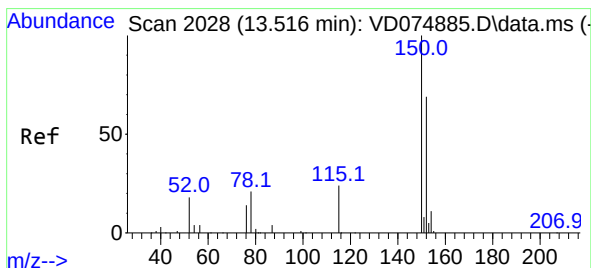
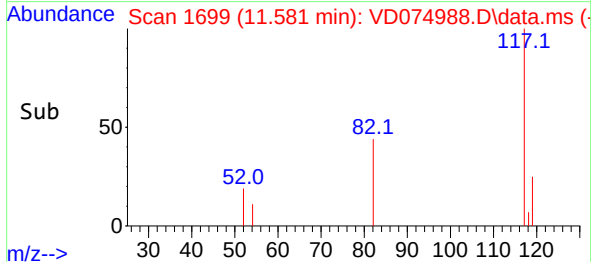
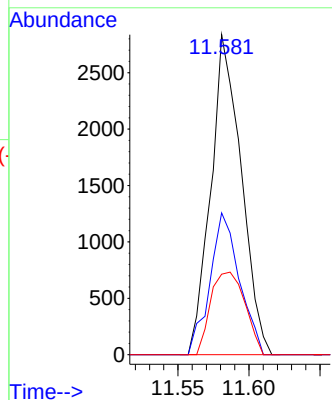
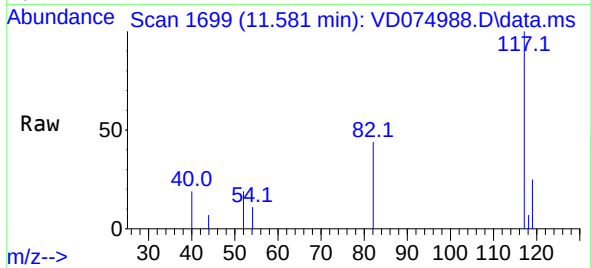




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

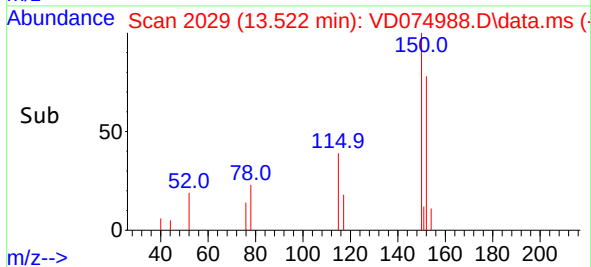
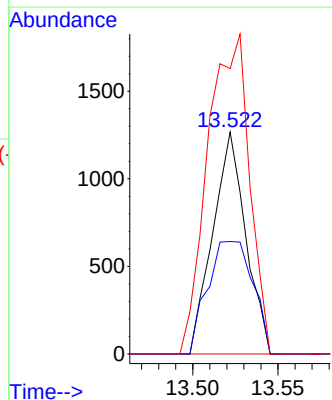
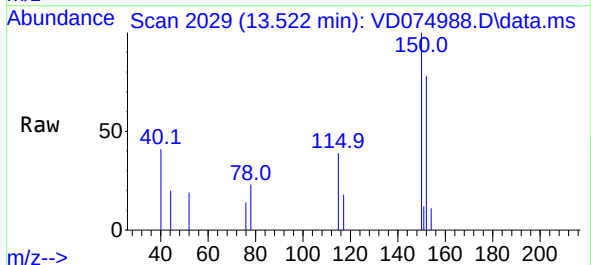
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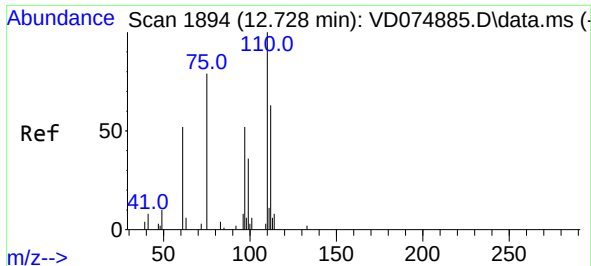
Tgt Ion:117	Resp:	4223
Ion	Ratio	Lower Upper
117	100	
82	44.3	41.6 62.4
119	25.1	25.2 37.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion:152	Resp:	1701
Ion	Ratio	Lower Upper
152	100	
115	69.7	26.8 80.4
150	182.4	0.0 348.2

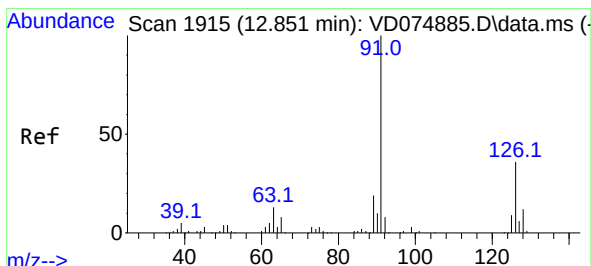
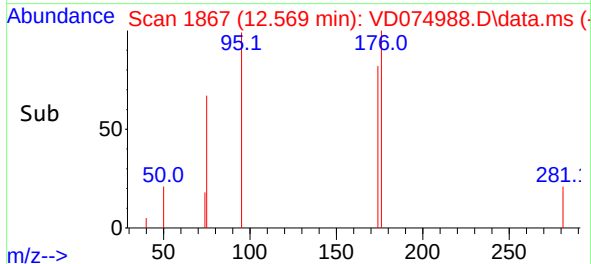
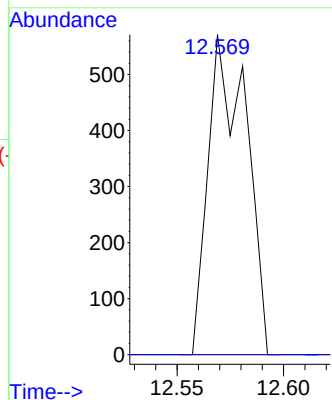
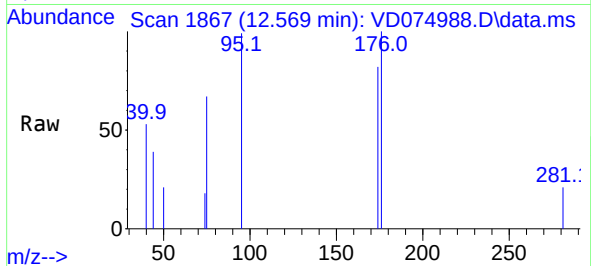




#76
1,2,3-Trichloropropane
Concen: 49.904 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.159 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

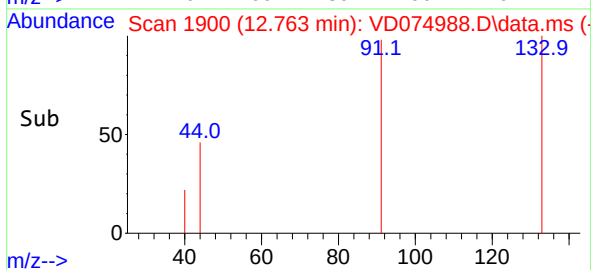
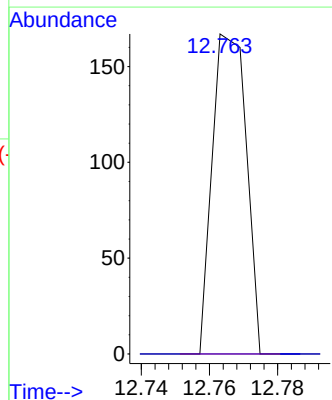
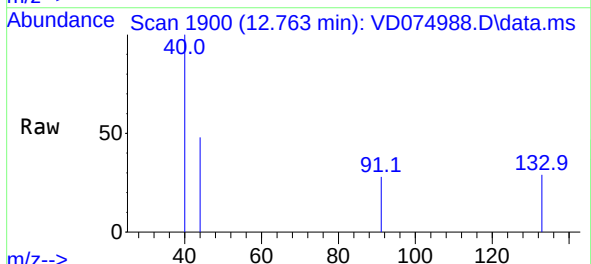
Instrument :
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JC-3-111522

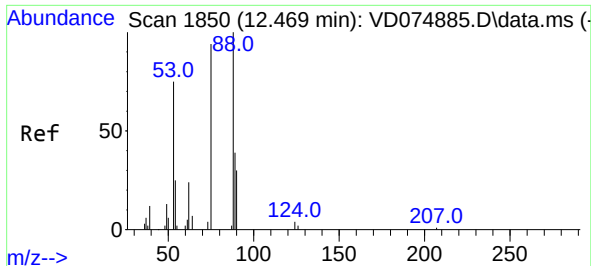
Tgt Ion: 75 Resp: 710
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#79
2-Chlorotoluene
Concen: 1.483 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.088 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#

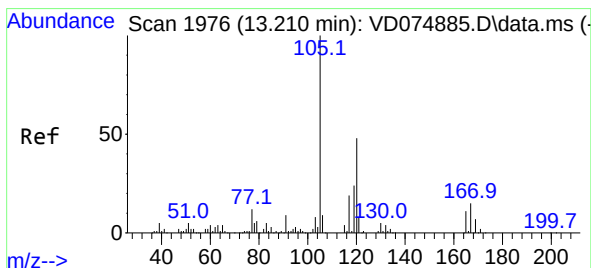
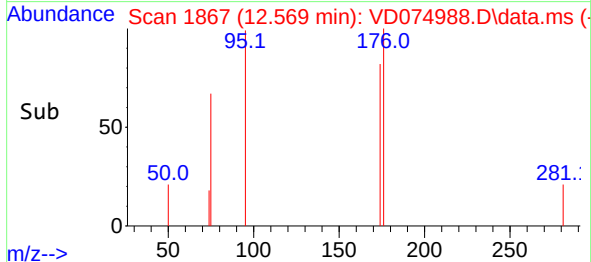
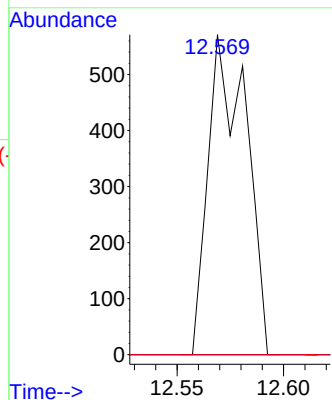
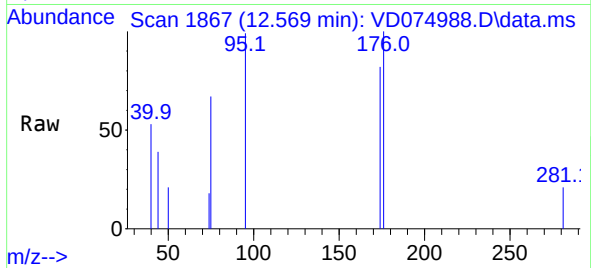




#81
trans-1,4-Dichloro-2-butene
Concen: 122.766 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

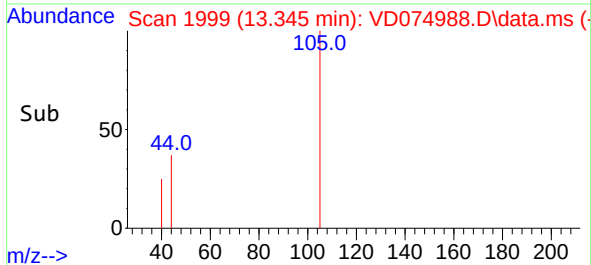
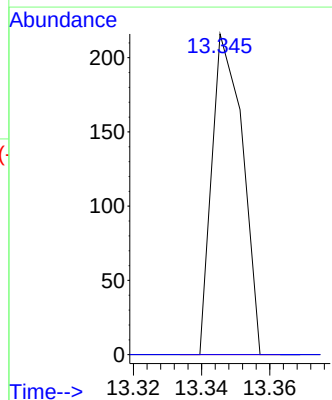
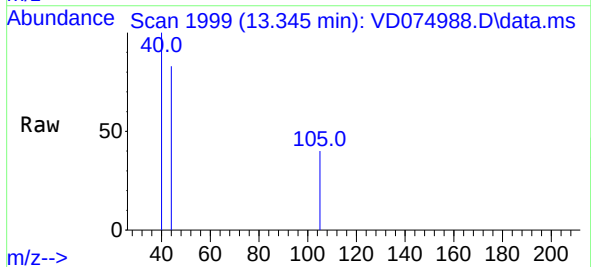
Instrument :
MSVOA_D
ClientSampleId :
JC-3-111522

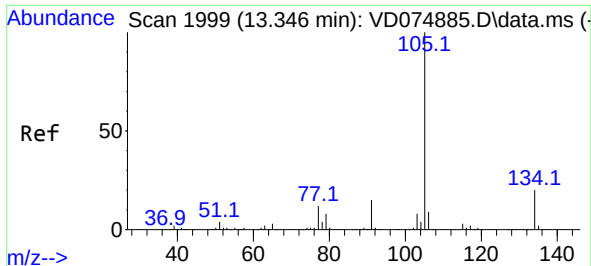
Tgt Ion: 75 Resp: 710
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.389 ug/l
RT: 13.345 min Scan# 1999
Delta R.T. 0.135 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion: 105 Resp: 134
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#

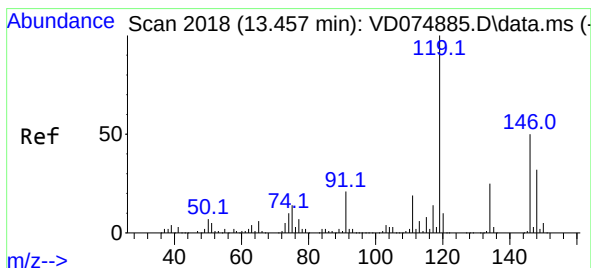
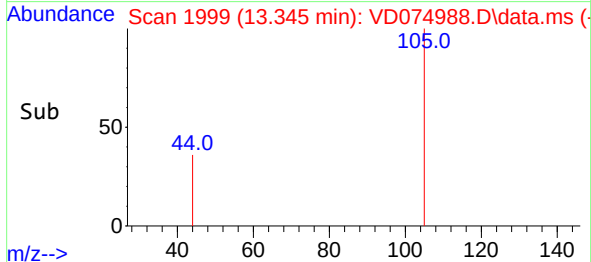
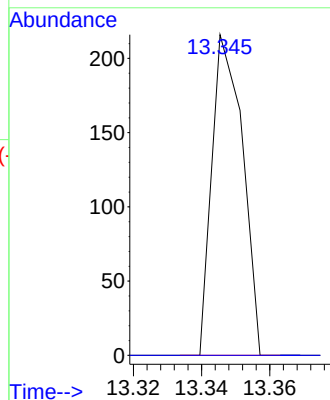
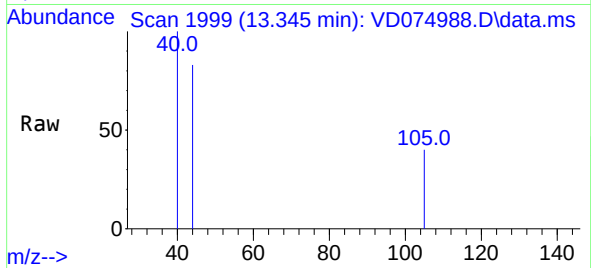




#85
 sec-Butylbenzene
 Concen: 1.041 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.001 min
 Lab File: VD074988.D
 Acq: 18 Nov 2022 14:31

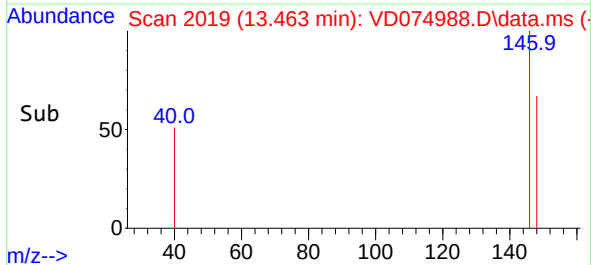
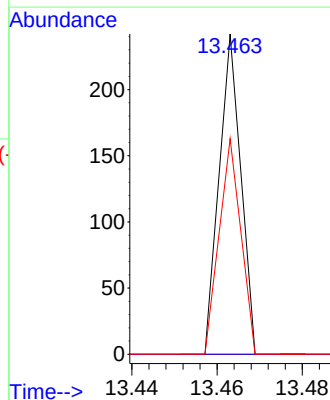
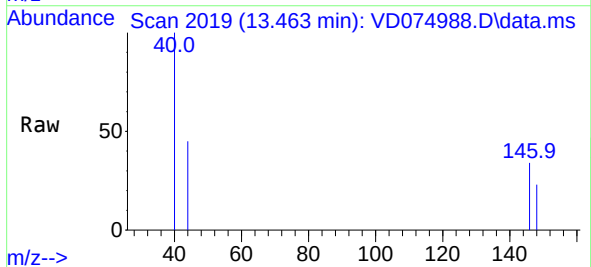
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-3-111522

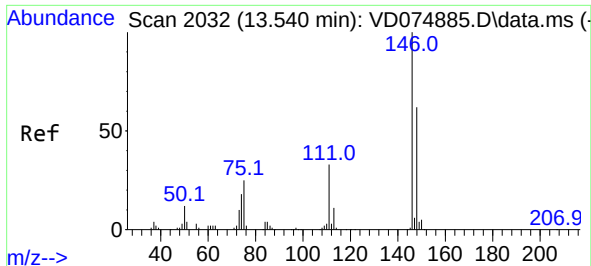
Tgt Ion:105 Resp: 134
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#



#87
 1,3-Dichlorobenzene
 Concen: 1.491 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VD074988.D
 Acq: 18 Nov 2022 14:31

Tgt Ion:146 Resp: 85
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.8#
 148 68.2 31.8 95.4

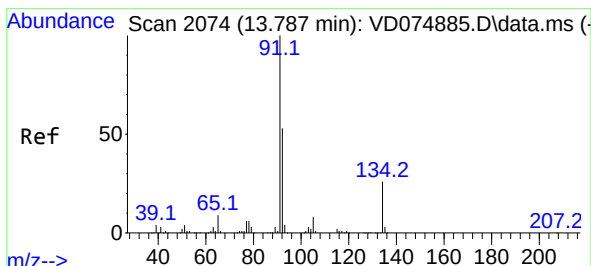
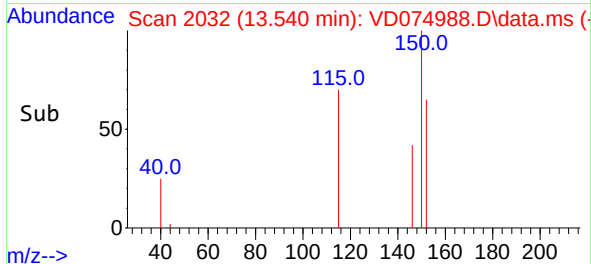
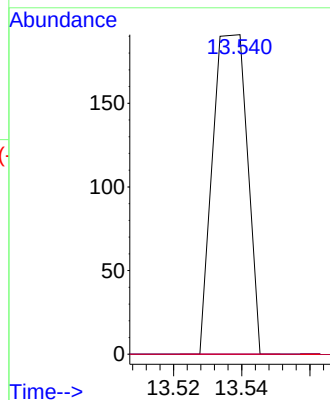
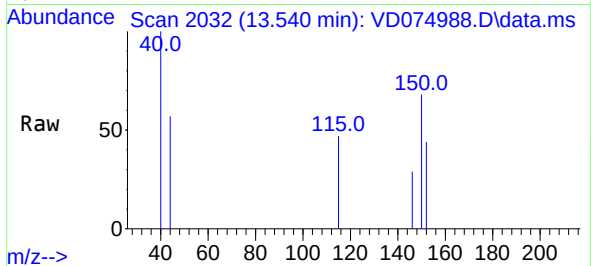




#88
1,4-Dichlorobenzene
Concen: 2.369 ug/l
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

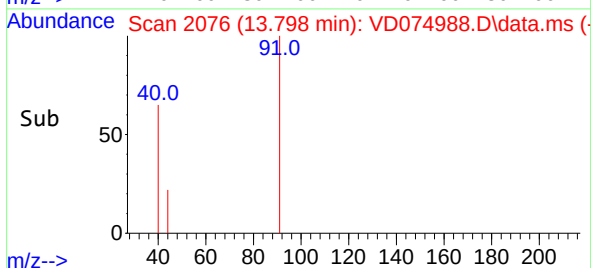
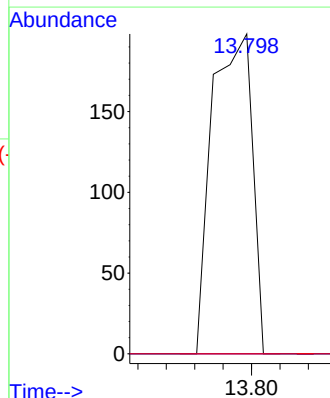
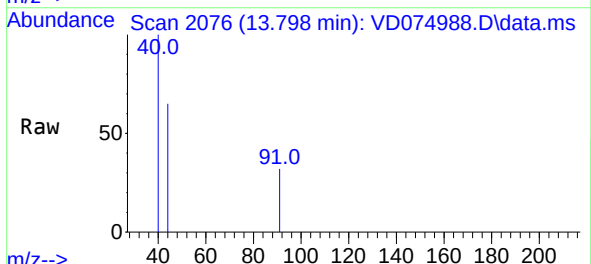
Instrument :
MSVOA_D
ClientSampleId :
JC-3-111522

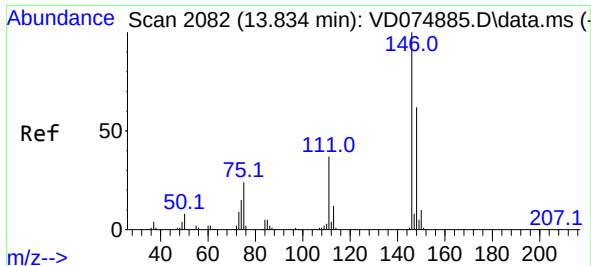
Tgt Ion:146 Resp: 134
Ion Ratio Lower Upper
146 100
111 0.0 17.7 53.1#
148 0.0 32.3 96.9#



#89
n-Butylbenzene
Concen: 1.952 ug/l
RT: 13.798 min Scan# 2076
Delta R.T. 0.011 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion: 91 Resp: 194
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 0.0 13.4 40.2#

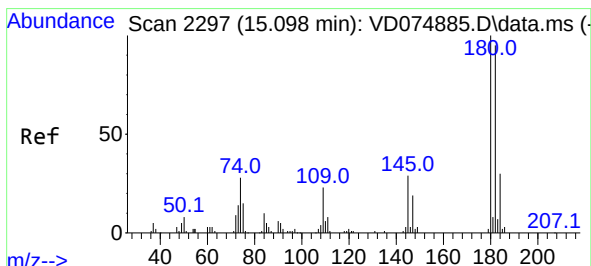
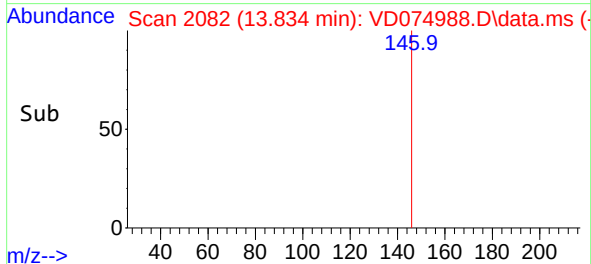
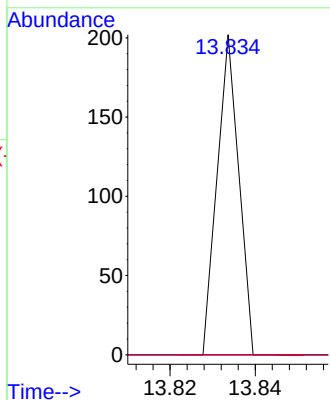
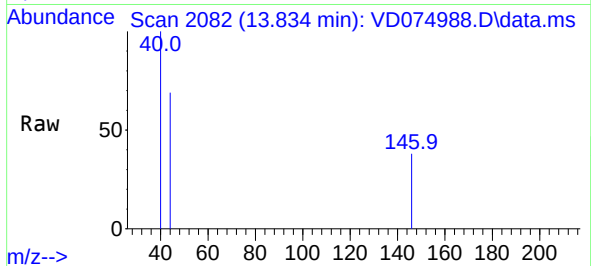




#91
1,2-Dichlorobenzene
Concen: 1.465 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

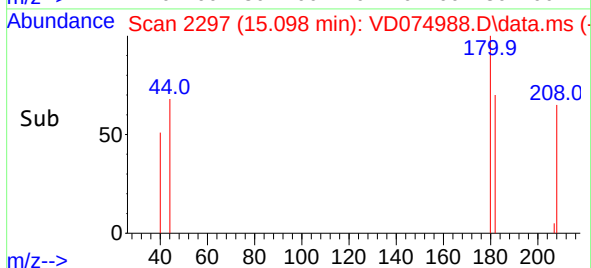
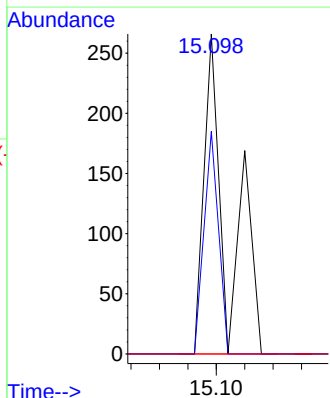
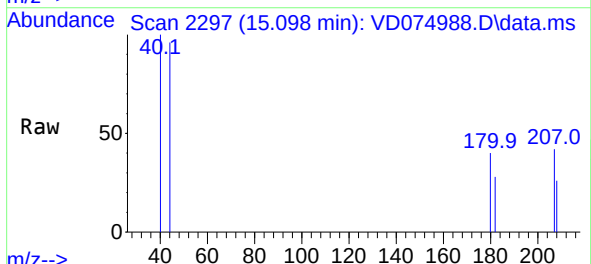
Instrument :
MSVOA_D
ClientSampleId :
JC-3-111522

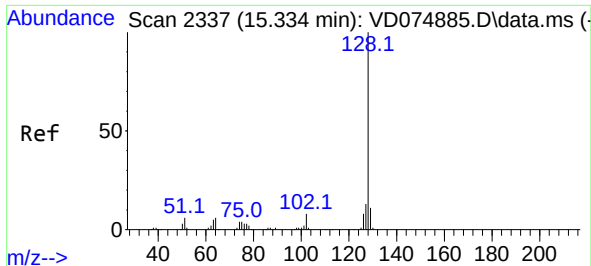
Tgt Ion:146	Resp:	71
Ion Ratio	Lower	Upper
146	100	
111	0.0	18.9 56.5#
148	0.0	31.9 95.5#



#93
1,2,4-Trichlorobenzene
Concen: 5.186 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD074988.D
Acq: 18 Nov 2022 14:31

Tgt Ion:180	Resp:	153
Ion Ratio	Lower	Upper
180	100	
182	42.5	46.9 140.6#
145	0.0	14.1 42.3#





#95

Naphthalene

Concen: 10.866 ug/l

RT: 15.345 min Scan# 21

Delta R.T. 0.011 min

Lab File: VD074988.D

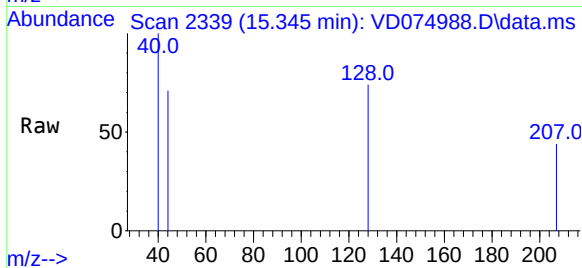
Acq: 18 Nov 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

JC-3-111522



Tgt Ion:128 Resp: 595

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.3 12.5#

