

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074340.D
 Acq On : 04 Sep 2022 00:39
 Operator : JC\MD
 Sample : N4355-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Quant Time: Sep 05 05:43:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

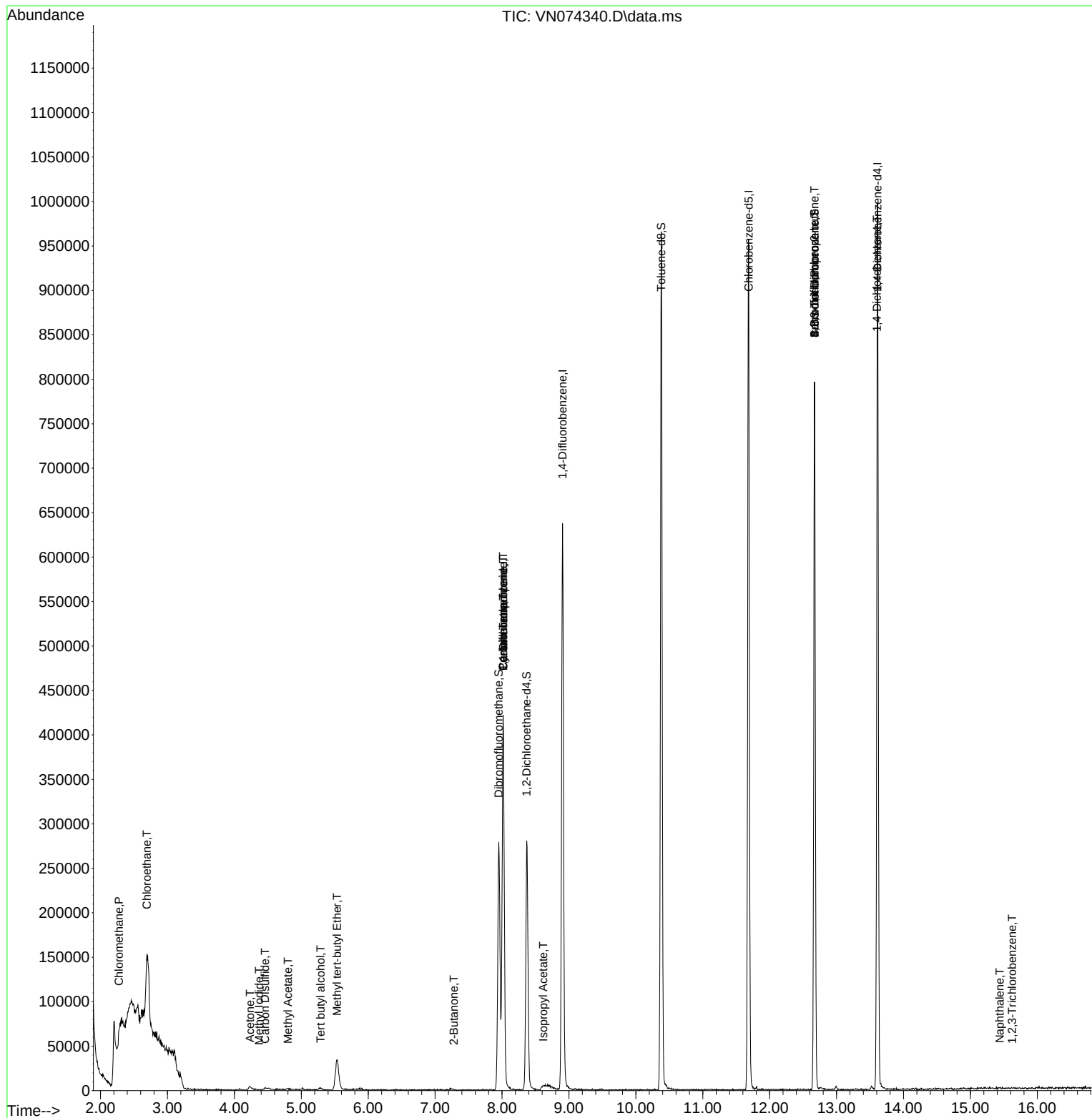
Internal Standards						
1) Pentafluorobenzene	8.016	168	295316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	542944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	538364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	248056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	223674	48.588	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.180%		
35) Dibromofluoromethane	7.951	113	198495	55.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.340%		
50) Toluene-d8	10.381	98	642996	45.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.640%		
62) 4-Bromofluorobenzene	12.669	95	241465	46.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.420%		
Target Compounds					Qvalue	
3) Chloromethane	2.275	50	1752	0.434	ug/l #	43
6) Chloroethane	2.693	64	110609	18.707	ug/l #	53
10) Methyl Iodide	4.369	142	77	5.072	ug/l #	1
11) Tert butyl alcohol	5.287	59	2257	2.702	ug/l #	72
16) Acetone	4.234	43	6852	3.561	ug/l #	88
17) Carbon Disulfide	4.457	76	4450	0.613	ug/l #	75
18) Methyl Acetate	4.799	43	1569	0.271	ug/l #	55
19) Methyl tert-butyl Ether	5.534	73	54879	4.763	ug/l	96
20) Methylene Chloride	5.016	84	706	Below Cal	#	51
25) 2-Butanone	7.281	43	834	0.257	ug/l #	45
31) Cyclohexane	8.016	56	8647	1.406	ug/l #	71
36) 1,1-Dichloropropene	8.016	75	26848	5.258	ug/l #	45
38) Carbon Tetrachloride	8.016	117	32357	6.272	ug/l #	17
43) Isopropyl Acetate	8.616	43	3404	0.351	ug/l #	53
71) Bromoform	12.669	173	2377	0.751	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	143934	20.488	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	143934	66.508	ug/l #	11
88) 1,4-Dichlorobenzene	13.604	146	493	0.221	ug/l #	1
95) Naphthalene	15.439	128	1397	0.840	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.621	180	158	0.446	ug/l #	12

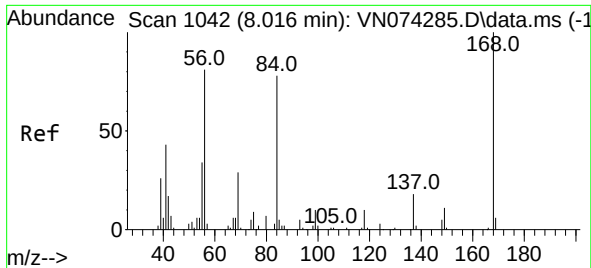
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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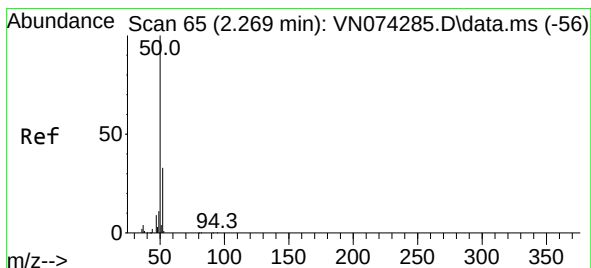
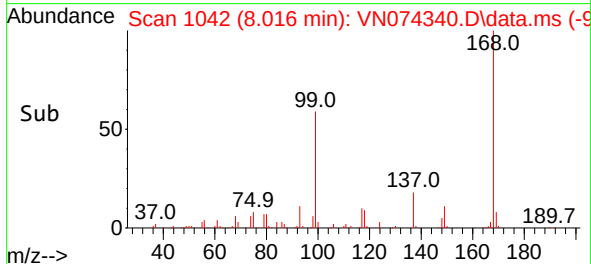
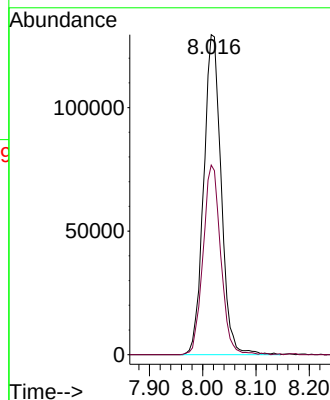
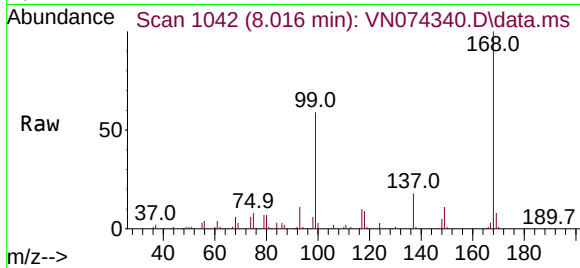




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

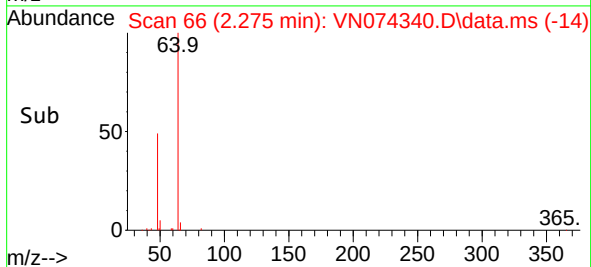
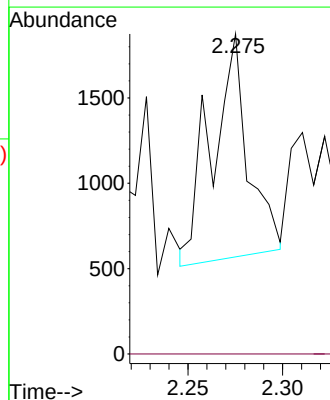
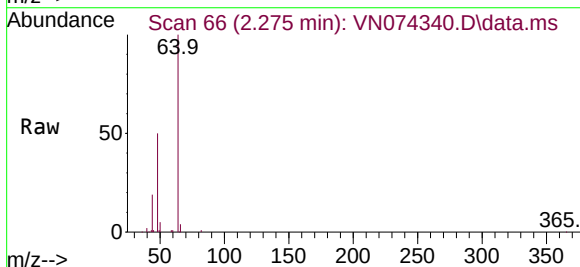
Instrument :
MSVOA_N
ClientSampleId :
MW-14

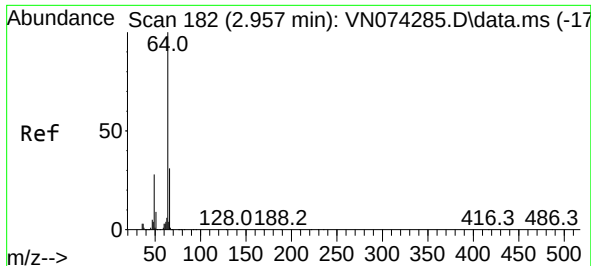
Tgt Ion:168 Resp: 295316
Ion Ratio Lower Upper
168 100
99 59.2 42.3 63.5



#3
Chloromethane
Concen: 0.434 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion: 50 Resp: 1752
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

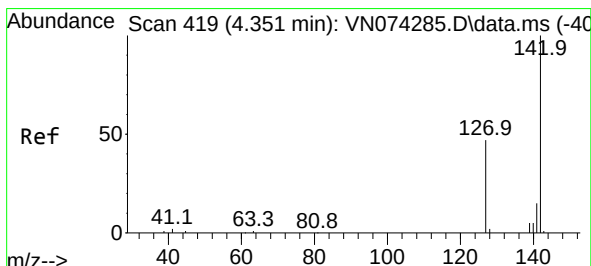
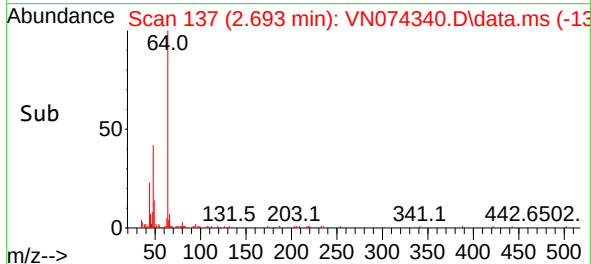
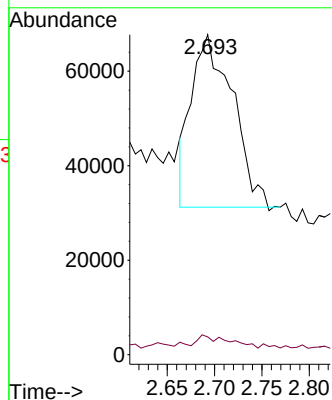
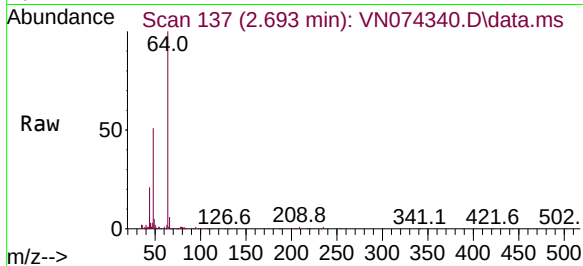




#6
Chloroethane
Concen: 18.707 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

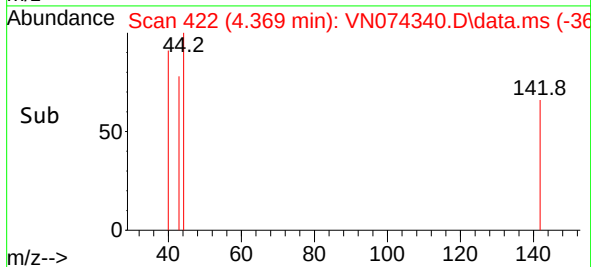
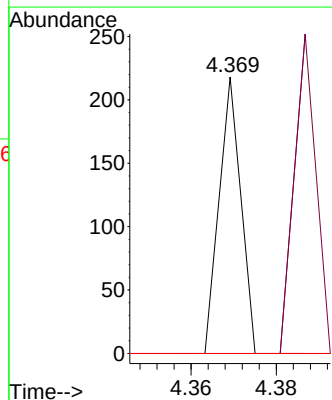
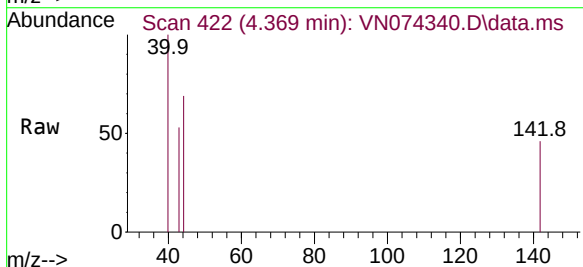
Instrument :
MSVOA_N
ClientSampleId :
MW-14

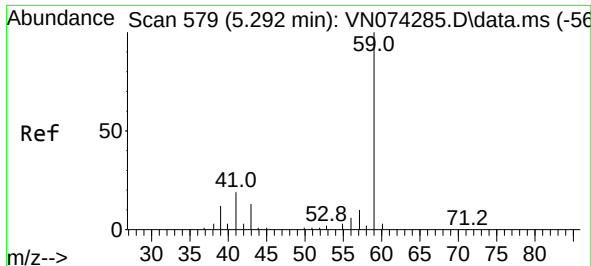
Tgt Ion: 64 Resp: 110609
Ion Ratio Lower Upper
64 100
66 6.5 26.2 39.4#



#10
Methyl Iodide
Concen: 5.072 ug/l
RT: 4.369 min Scan# 422
Delta R.T. 0.023 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion: 142 Resp: 77
Ion Ratio Lower Upper
142 100
127 115.6 31.3 46.9#
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 2.702 ug/l

RT: 5.287 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN074340.D

Acq: 04 Sep 2022 00:39

Instrument :

MSVOA_N

ClientSampleId :

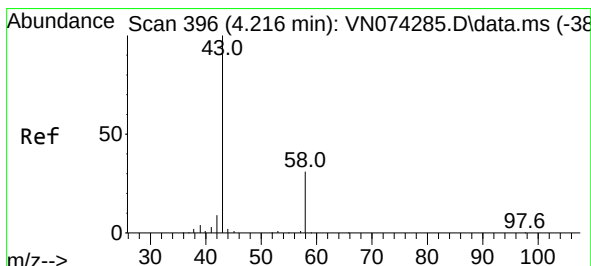
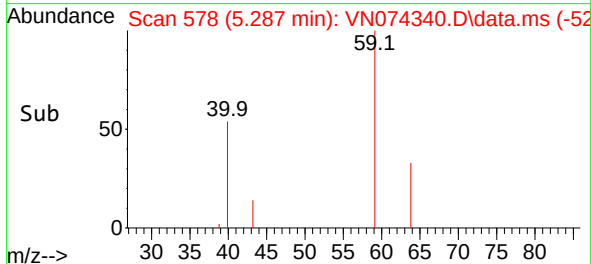
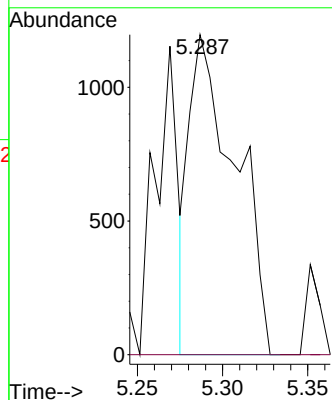
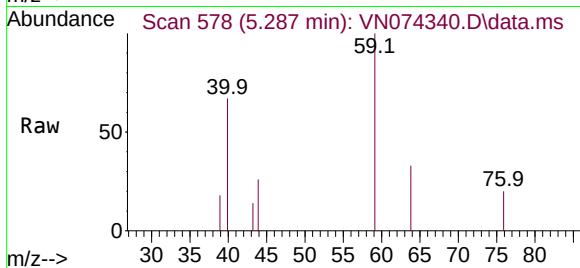
MW-14

Tgt Ion: 59 Resp: 2257

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 3.561 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN074340.D

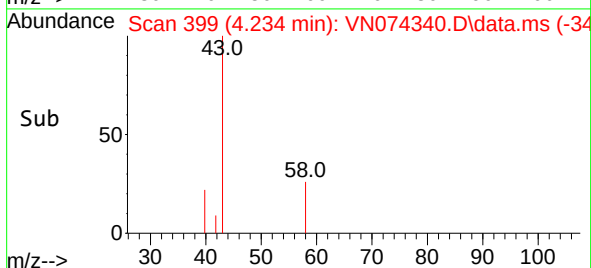
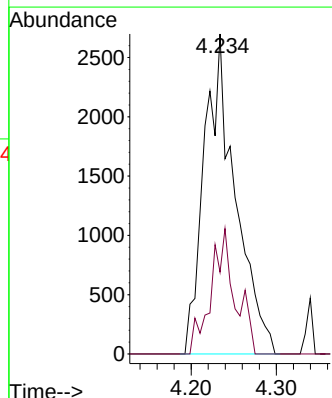
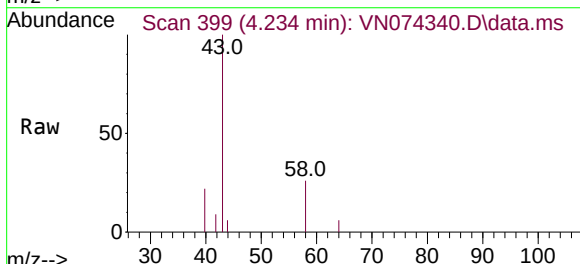
Acq: 04 Sep 2022 00:39

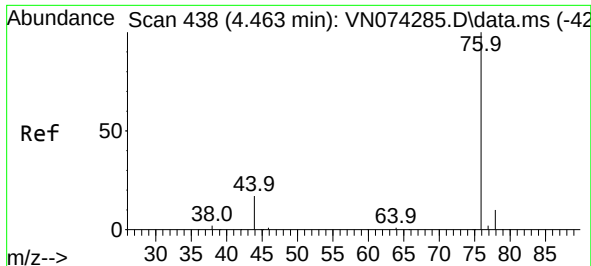
Tgt Ion: 43 Resp: 6852

Ion Ratio Lower Upper

43 100

58 25.6 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.613 ug/l

RT: 4.457 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN074340.D

Acq: 04 Sep 2022 00:39

Instrument :

MSVOA_N

ClientSampleId :

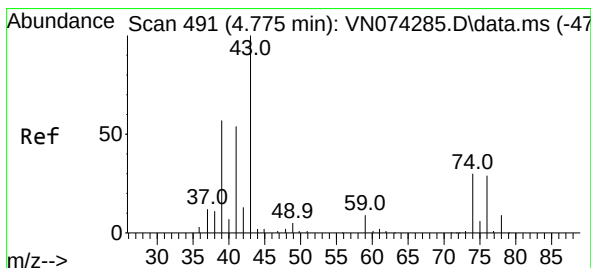
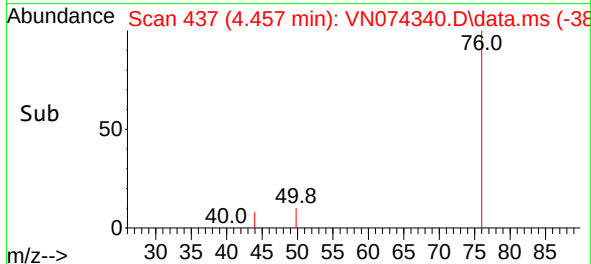
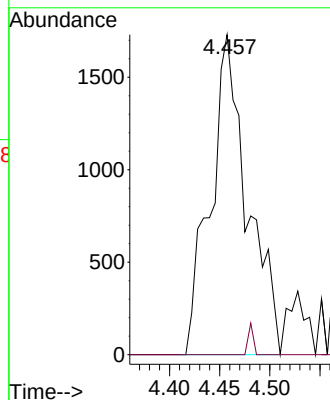
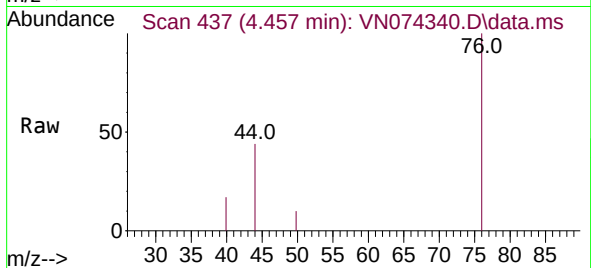
MW-14

Tgt Ion: 76 Resp: 4450

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.271 ug/l

RT: 4.799 min Scan# 495

Delta R.T. 0.024 min

Lab File: VN074340.D

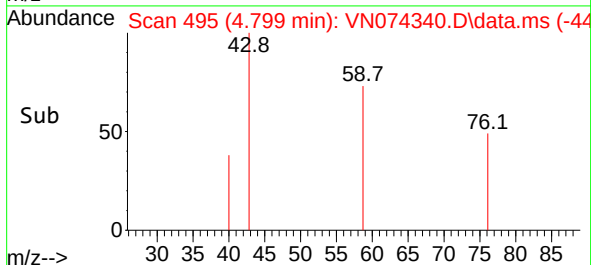
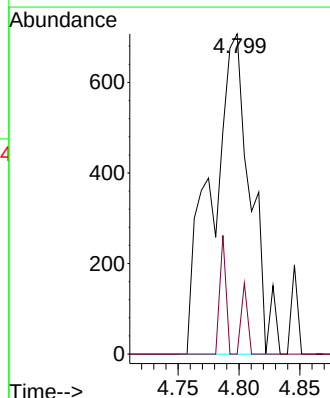
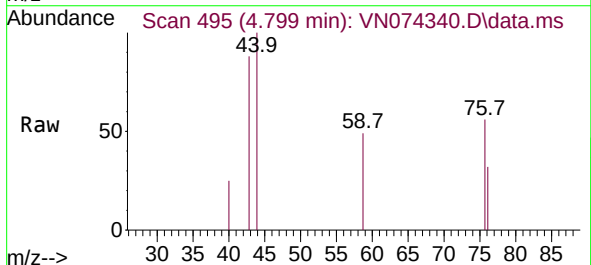
Acq: 04 Sep 2022 00:39

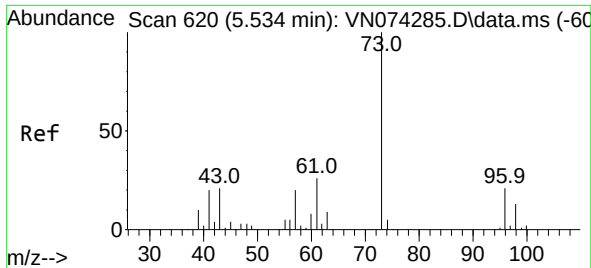
Tgt Ion: 43 Resp: 1569

Ion Ratio Lower Upper

43 100

74 3.5 21.6 32.4#

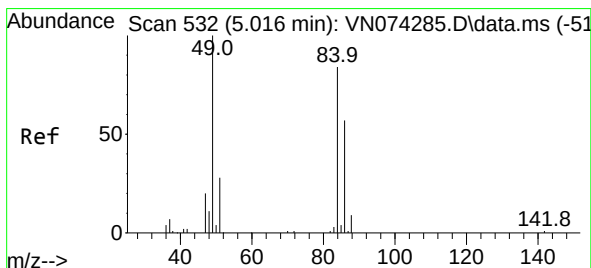
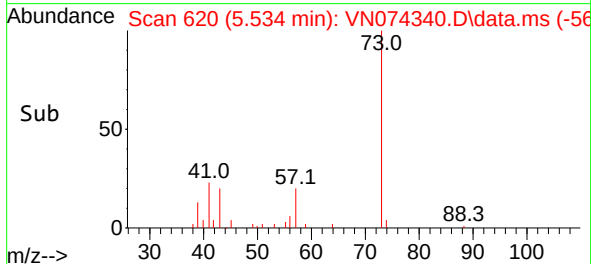
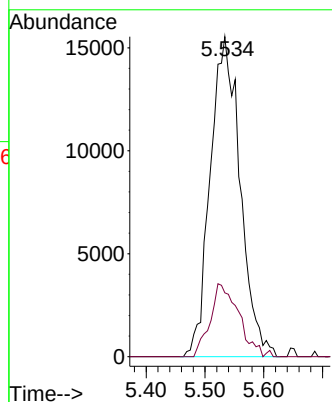
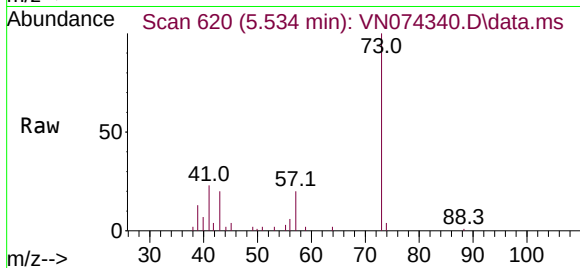




#19
Methyl tert-butyl Ether
Concen: 4.763 ug/l
RT: 5.534 min Scan# 619
Delta R.T. -0.000 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

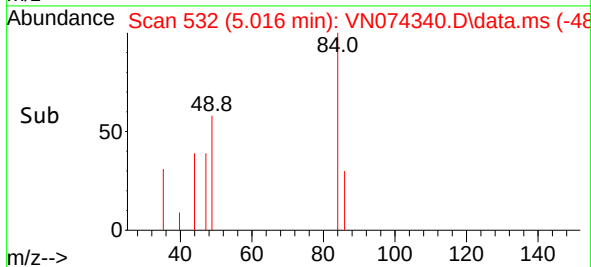
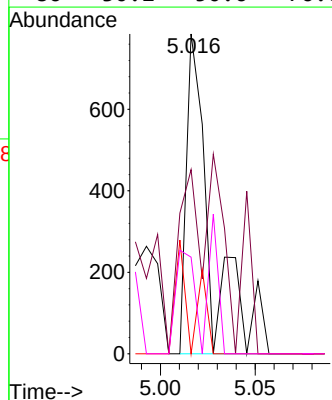
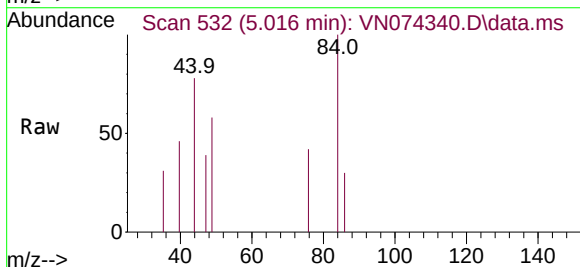
Instrument :
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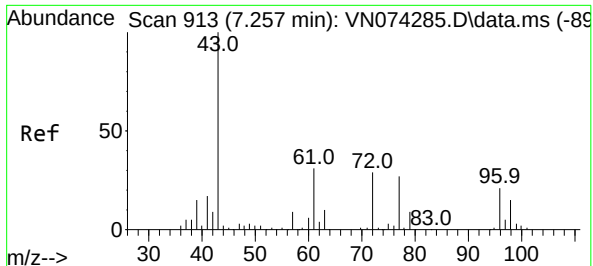
Tgt Ion: 73 Resp: 54879
Ion Ratio Lower Upper
73 100
57 19.9 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion: 84 Resp: 706
Ion Ratio Lower Upper
84 100
49 57.6 88.3 132.5#
51 0.0 28.2 42.2#
86 30.2 50.6 76.0#

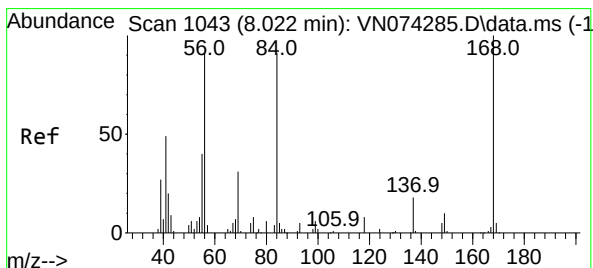
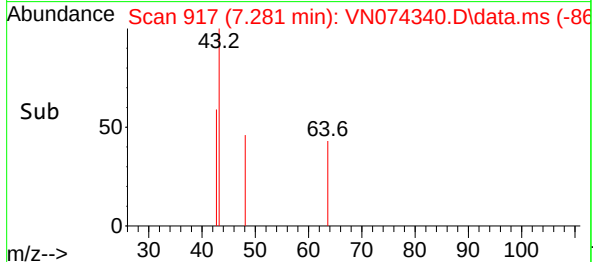
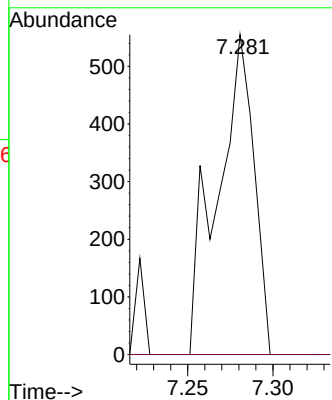
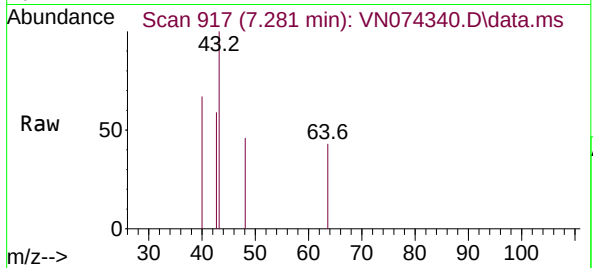




#25
2-Butanone
Concen: 0.257 ug/l
RT: 7.281 min Scan# 913
Delta R.T. 0.024 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

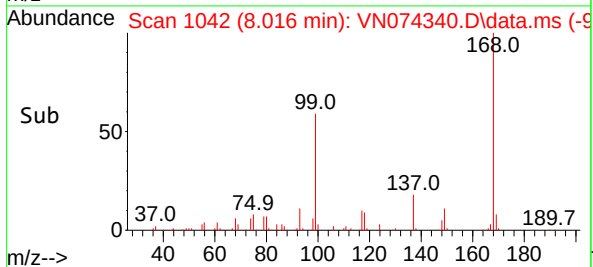
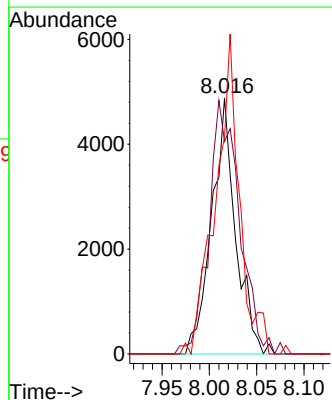
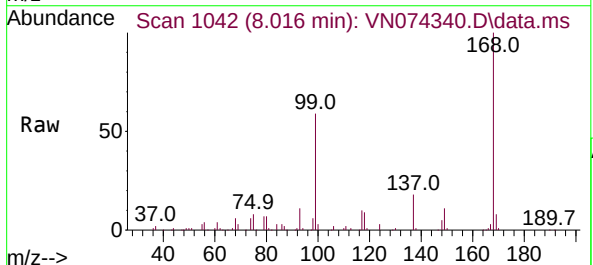
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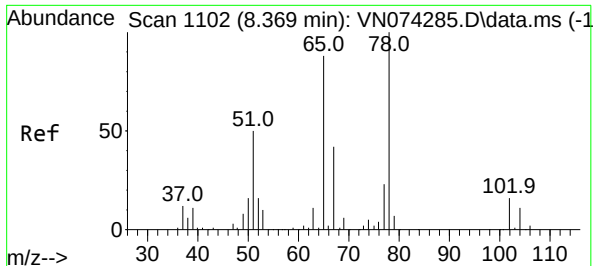
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.406 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion: 56 Resp: 8647
Ion Ratio Lower Upper
56 100
69 79.9 27.8 41.8#
84 84.6 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 48.588 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074340.D

Acq: 04 Sep 2022 00:39

Instrument :

MSVOA_N

ClientSampleId :

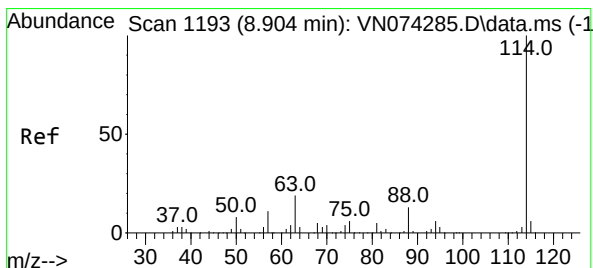
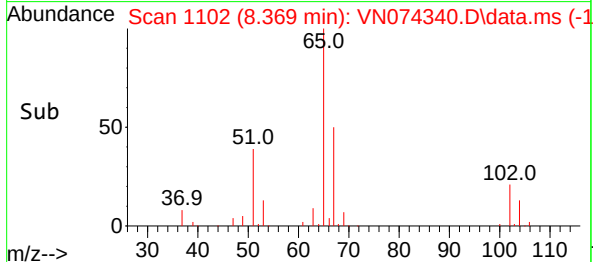
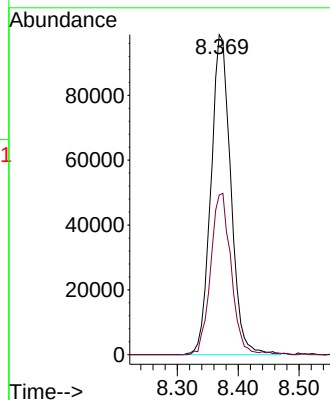
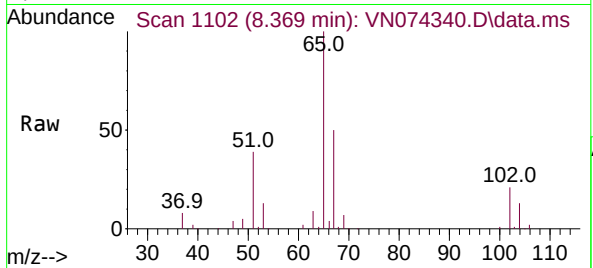
MW-14

Tgt Ion: 65 Resp: 223674

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074340.D

Acq: 04 Sep 2022 00:39

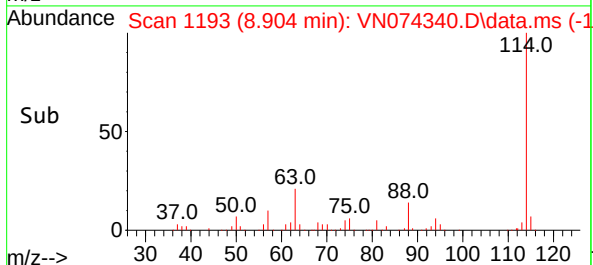
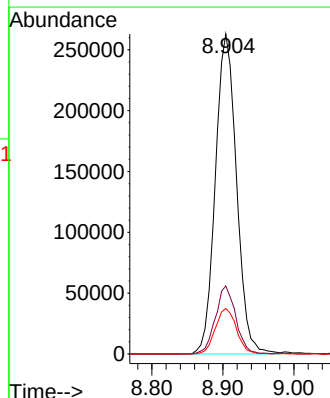
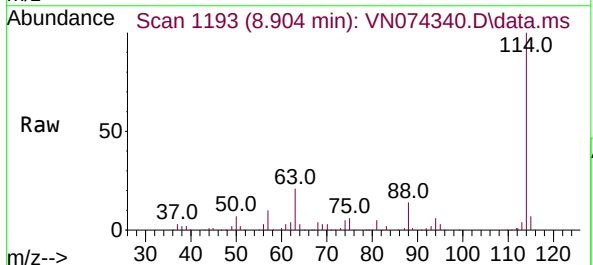
Tgt Ion: 114 Resp: 542944

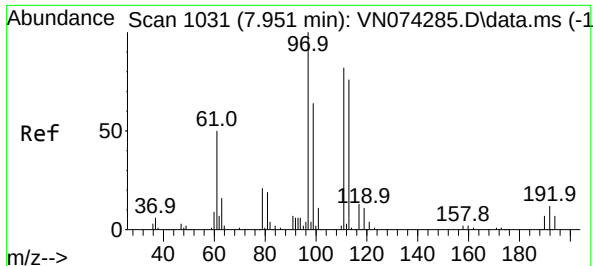
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 14.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.171 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074340.D

Acq: 04 Sep 2022 00:39

Instrument :

MSVOA_N

ClientSampleId :

MW-14

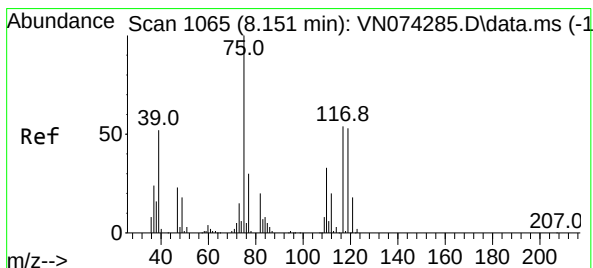
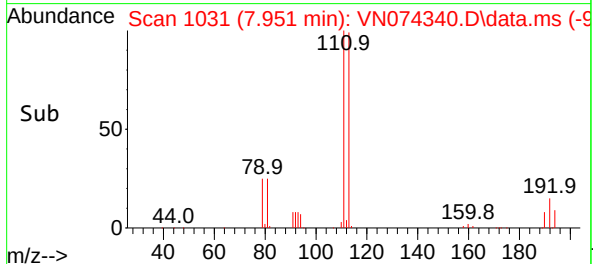
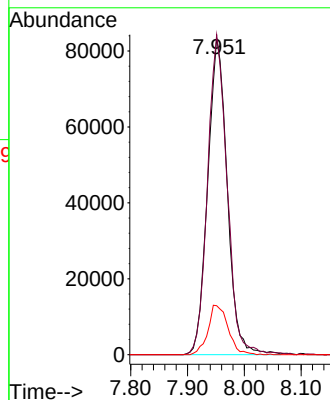
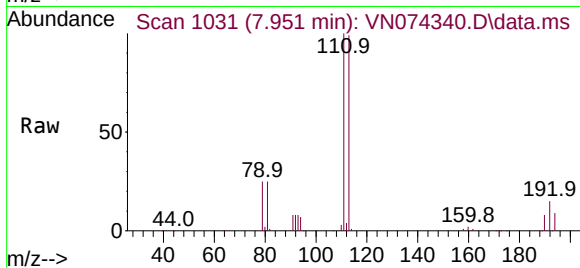
Tgt Ion:113 Resp: 198495

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 16.1 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 5.258 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074340.D

Acq: 04 Sep 2022 00:39

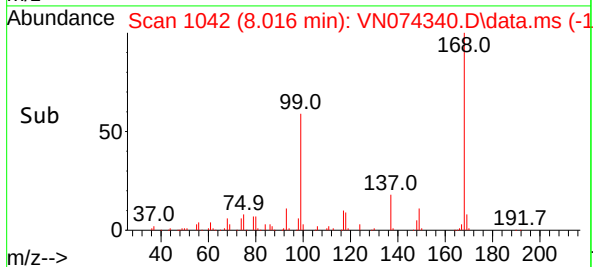
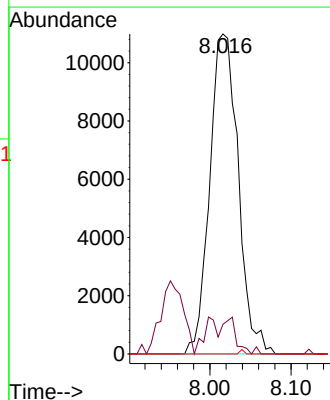
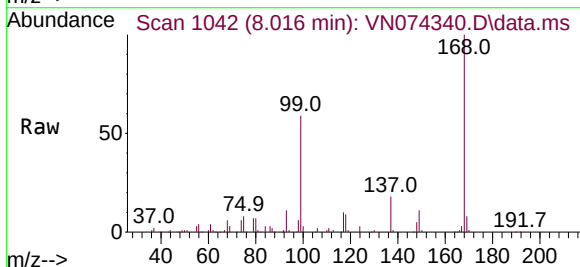
Tgt Ion: 75 Resp: 26848

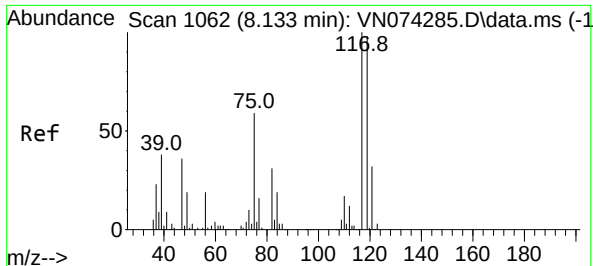
Ion Ratio Lower Upper

75 100

110 5.2 18.3 54.8#

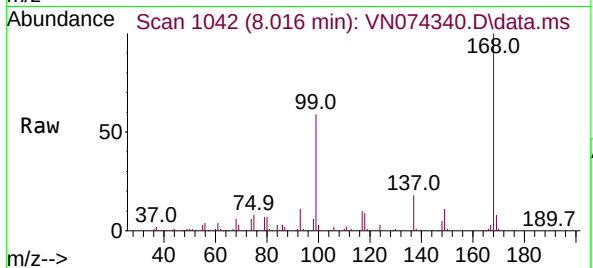
77 0.0 25.1 37.7#



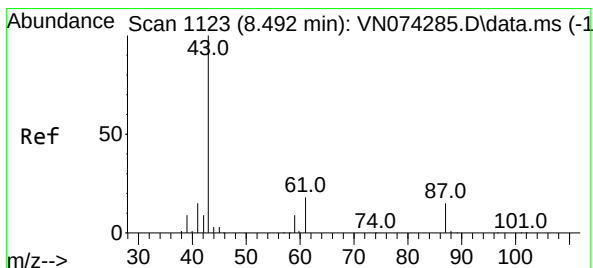
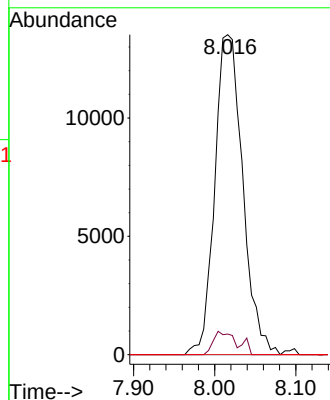
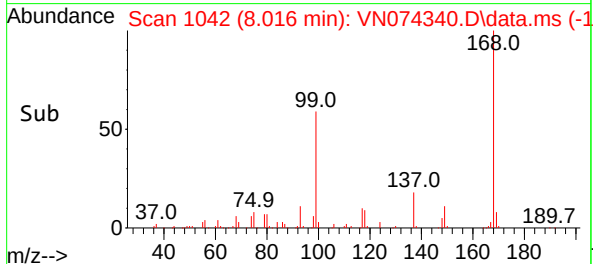


#38
Carbon Tetrachloride
Concen: 6.272 ug/l
RT: 8.016 min Scan# 1144
Delta R.T. -0.117 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

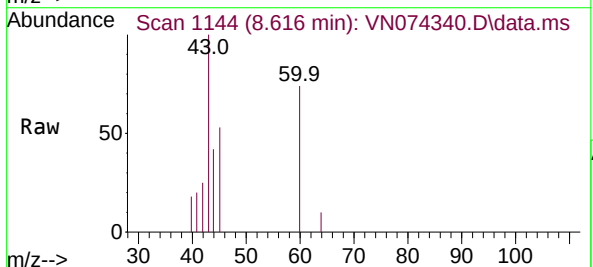
Instrument :
MSVOA_N
ClientSampleId :
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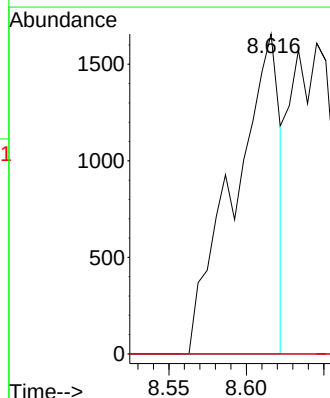
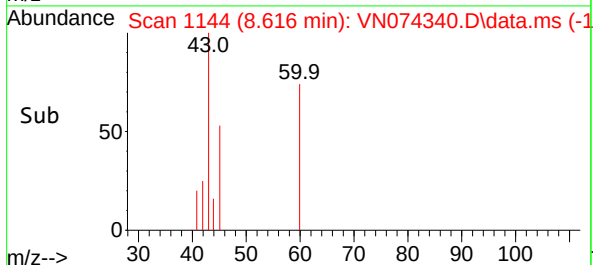
Tgt Ion:117 Resp: 32357
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#

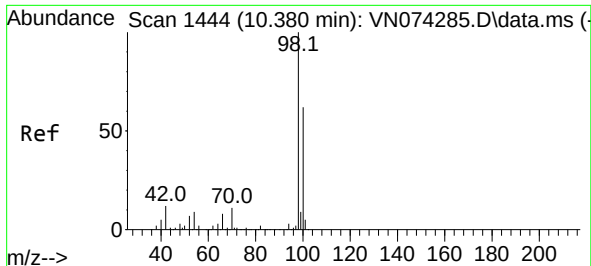


#43
Isopropyl Acetate
Concen: 0.351 ug/l
RT: 8.616 min Scan# 1144
Delta R.T. 0.124 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39



Tgt Ion: 43 Resp: 3404
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

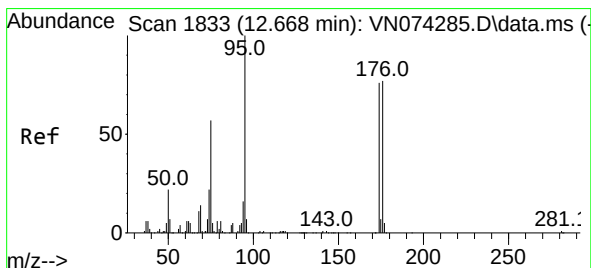
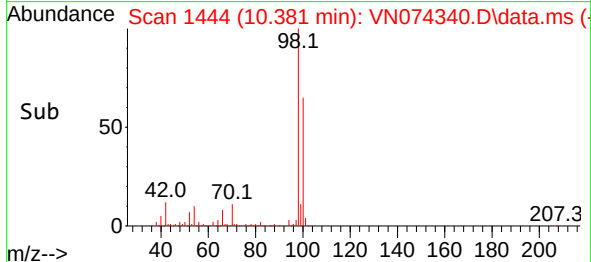
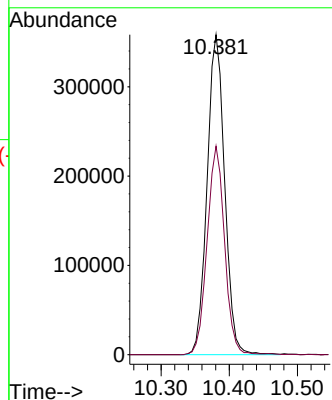
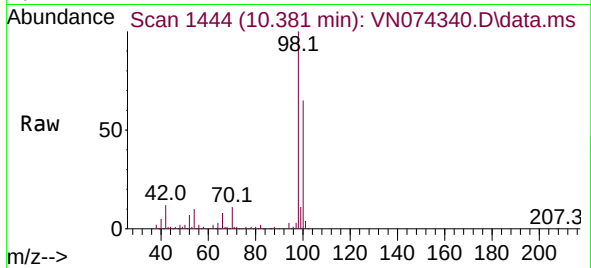




#50
Toluene-d8
Concen: 45.323 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

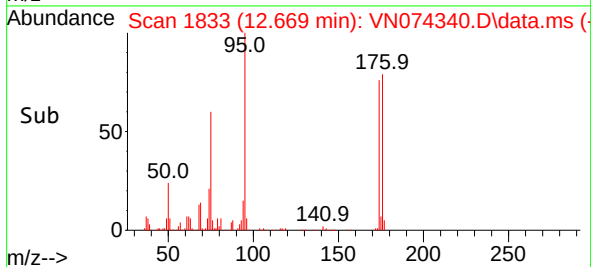
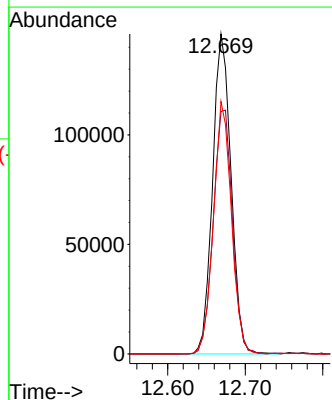
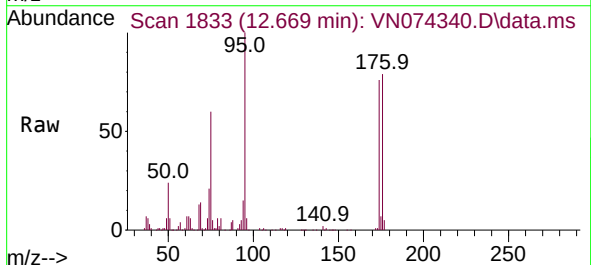
Instrument :
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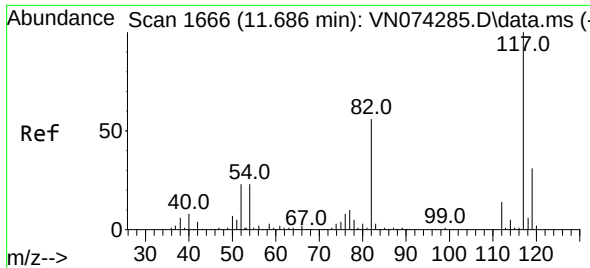
Tgt Ion: 98 Resp: 642996
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 46.712 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion: 95 Resp: 241465
Ion Ratio Lower Upper
95 100
174 79.3 0.0 167.6
176 77.0 0.0 163.4

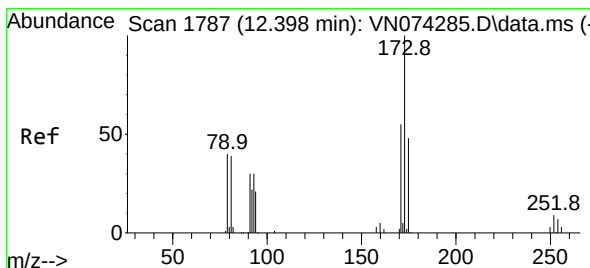
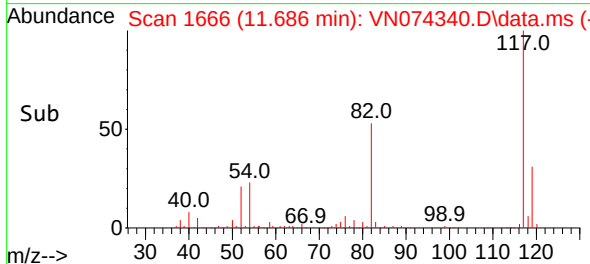
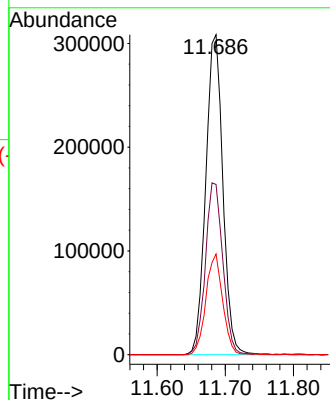
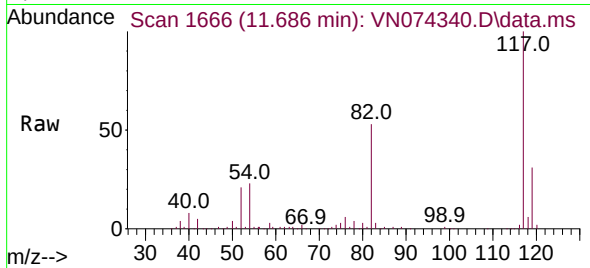




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

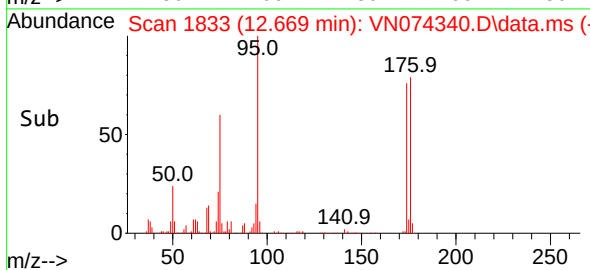
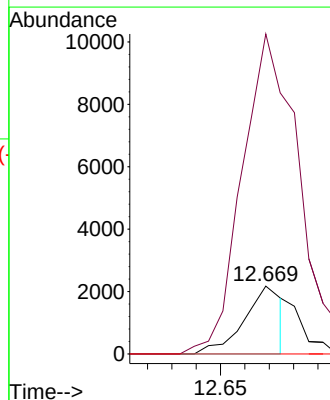
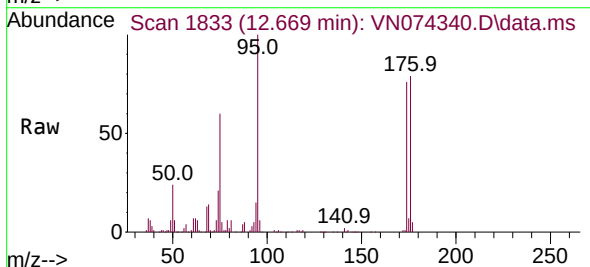
Instrument :
MSVOA_N
ClientSampleId :
MW-14

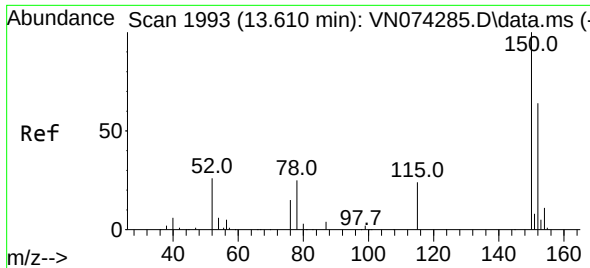
Tgt Ion:117 Resp: 538364
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 31.5 25.4 38.0



#71
Bromoform
Concen: 0.751 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion:173 Resp: 2377
Ion Ratio Lower Upper
173 100
175 494.6 24.6 73.6#
254 0.0 0.1 0.1#

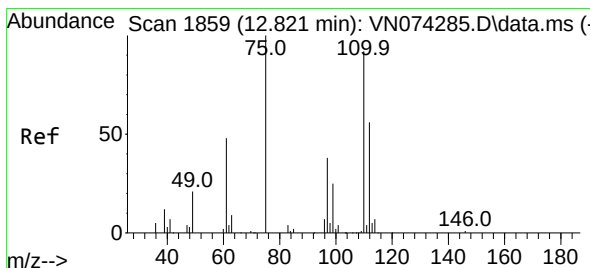
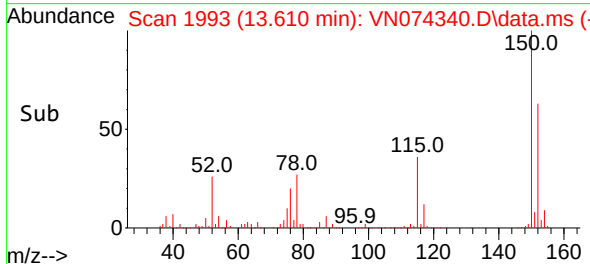
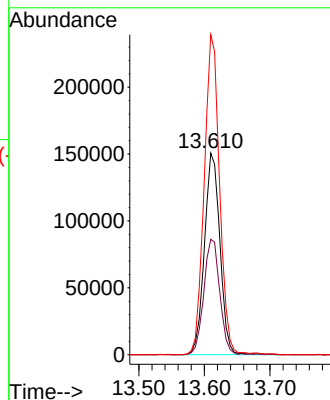
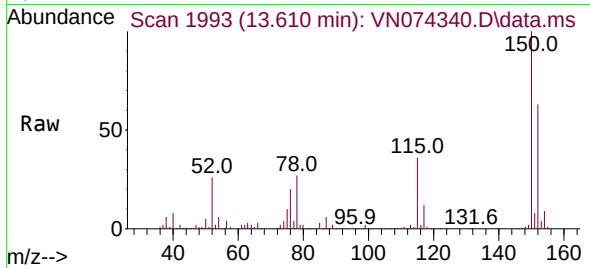




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074340.D
 Acq: 04 Sep 2022 00:39

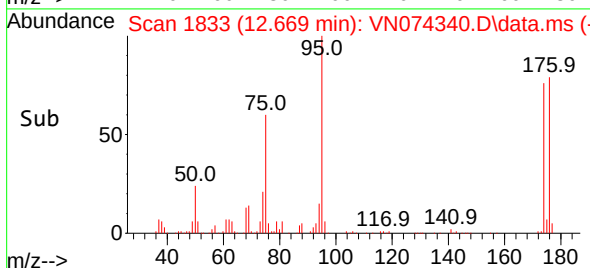
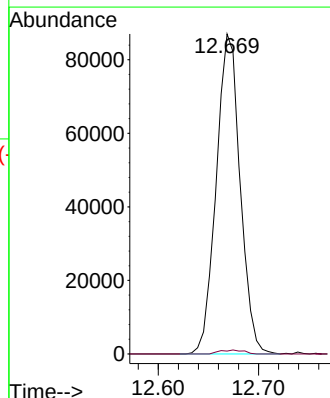
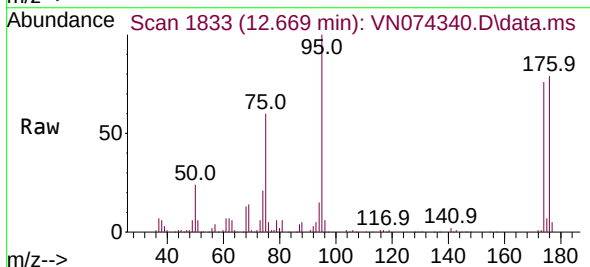
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

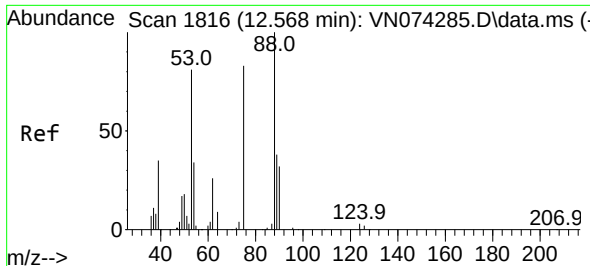
Tgt Ion:152 Resp: 248056
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.9 86.7
 150 157.0 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.488 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074340.D
 Acq: 04 Sep 2022 00:39

Tgt Ion: 75 Resp: 143934
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

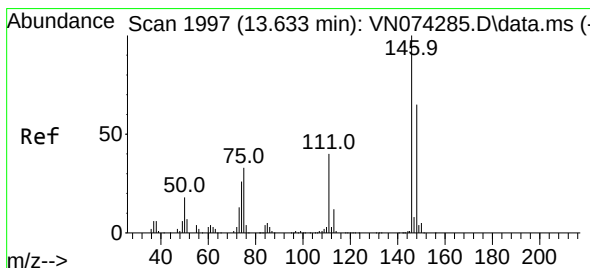
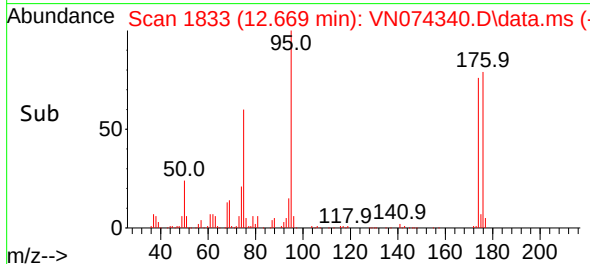
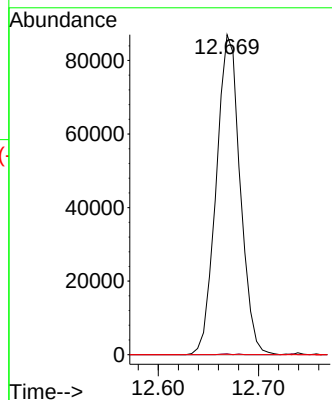
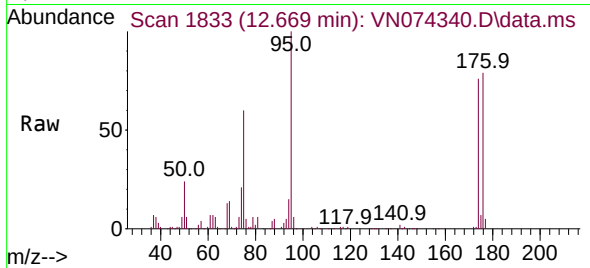




#81
trans-1,4-Dichloro-2-butene
Concen: 66.508 ug/l
RT: 12.669 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

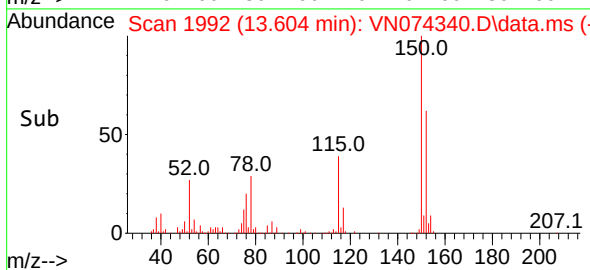
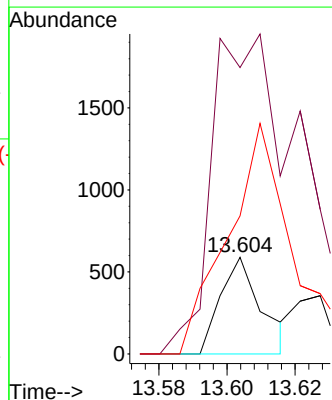
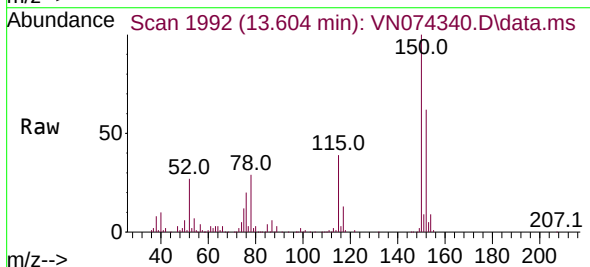
Instrument :
MSVOA_N
ClientSampleId :
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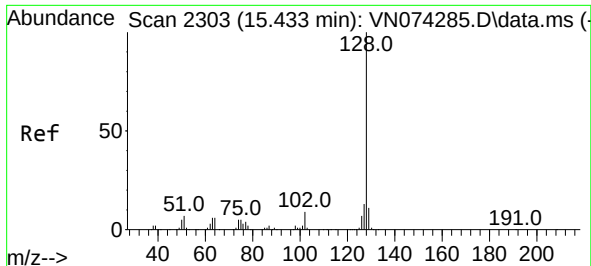
Tgt Ion: 75 Resp: 143934
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



#88
1,4-Dichlorobenzene
Concen: 0.221 ug/l
RT: 13.604 min Scan# 1992
Delta R.T. -0.029 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion: 146 Resp: 493
Ion Ratio Lower Upper
146 100
111 718.7 19.1 57.1#
148 379.7 31.4 94.3#

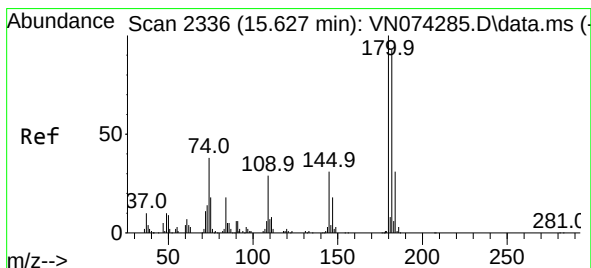
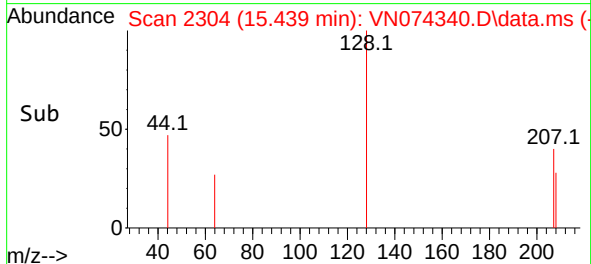
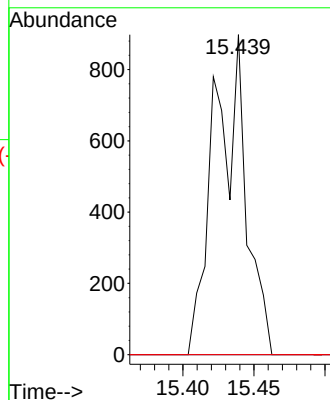
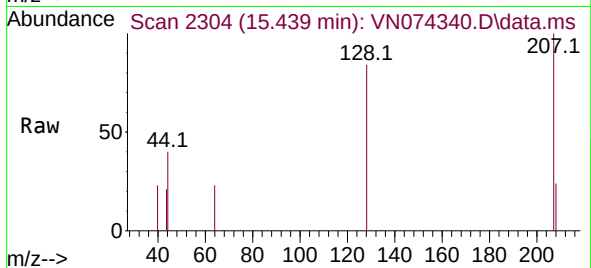




#95
Naphthalene
Concen: 0.840 ug/l
RT: 15.439 min Scan# 2133
Delta R.T. 0.006 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tgt Ion:128 Resp: 1397
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.446 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074340.D
Acq: 04 Sep 2022 00:39

Tgt Ion:180 Resp: 158
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

