

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075503.D
 Acq On : 30 Nov 2022 15:52
 Operator : JC\MD
 Sample : PB149341ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#07

Quant Time: Dec 01 02:16:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

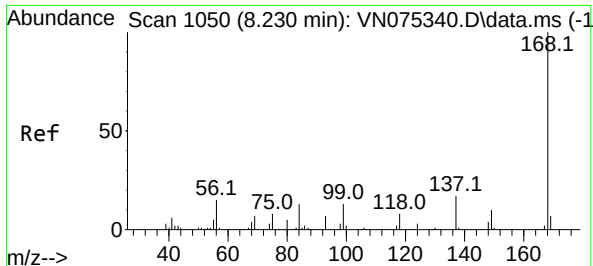
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	139070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	231639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42979	57.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.140%			
35) Dibromofluoromethane	8.171	113	51793	52.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.640%			
50) Toluene-d8	10.571	98	112405	50.901	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.853	95	77485	47.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.080%			
Target Compounds					Qvalue	
6) Chloroethane	3.077	64	416	0.329	ug/l #	45
11) Tert butyl alcohol	5.518	59	3552	11.335	ug/l #	72
16) Acetone	4.448	43	13230	19.000	ug/l	97
18) Methyl Acetate	5.048	43	5577	1.932	ug/l	98
20) Methylene Chloride	5.295	84	2714	0.660	ug/l #	76
25) 2-Butanone	7.494	43	1373	1.412	ug/l	97
29) Tetrahydrofuran	7.853	42	454	0.768	ug/l #	49
31) Cyclohexane	8.224	56	2934	1.237	ug/l #	49
36) 1,1-Dichloropropene	8.224	75	10280	4.808	ug/l #	51
37) Ethyl Acetate	7.565	43	22974	11.933	ug/l	99
38) Carbon Tetrachloride	8.230	117	14374	6.120	ug/l #	17
43) Isopropyl Acetate	8.694	43	259530	83.982	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1542	0.988	ug/l #	42
48) Methyl methacrylate	9.747	41	94160	65.895	ug/l #	34
49) 1,4-Dioxane	9.747	88	73	1.799	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	78646	39.957	ug/l #	45
53) t-1,3-Dichloropropene	10.730	75	754	0.329	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	45352	18.202	ug/l #	62
56) Ethyl methacrylate	10.982	69	1421	0.612	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5960	2.127	ug/l #	42
59) 2-Hexanone	11.171	43	86506	58.529	ug/l #	21
74) N-amyl acetate	12.482	43	1005	0.484	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	38637	22.082	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	38637	65.337	ug/l #	10

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

Quant Time: Dec 01 02:16:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

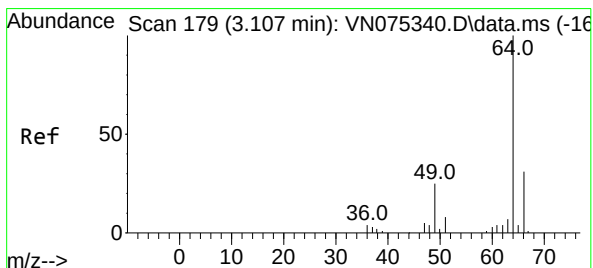
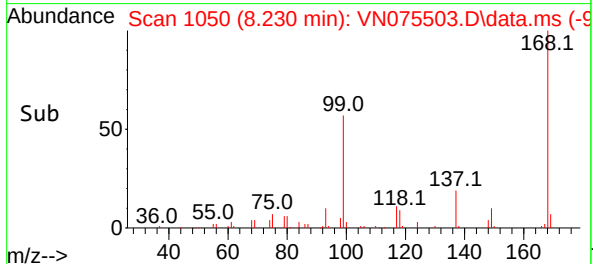
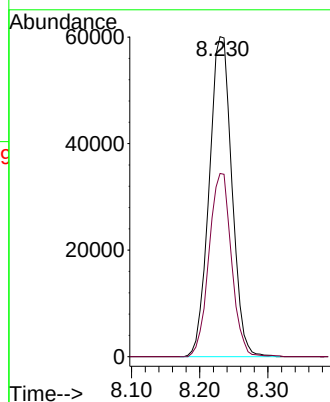
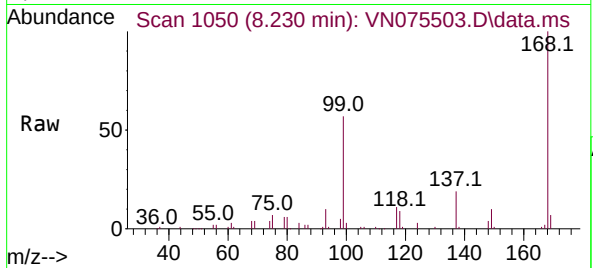




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

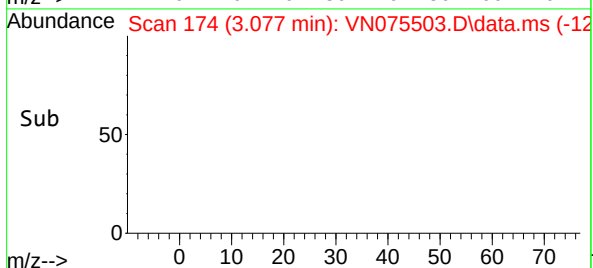
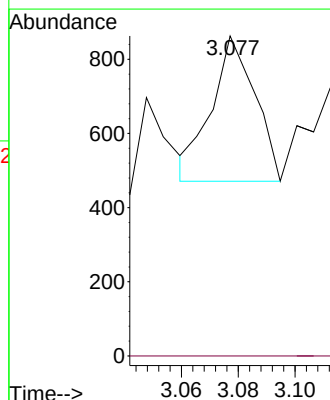
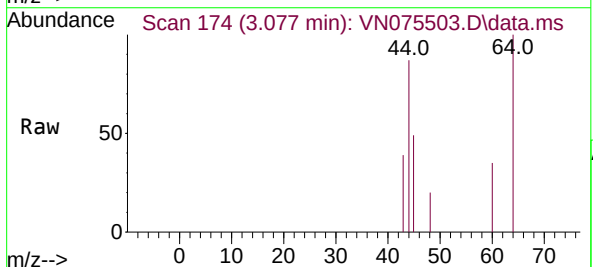
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#07

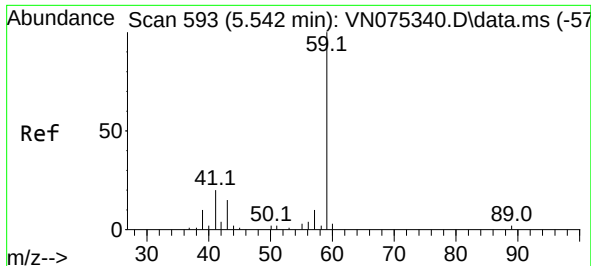
Tgt Ion:168 Resp: 139070
Ion Ratio Lower Upper
168 100
99 57.2 51.6 77.4



#6
Chloroethane
Concen: 0.329 ug/l
RT: 3.077 min Scan# 174
Delta R.T. -0.030 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 64 Resp: 416
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

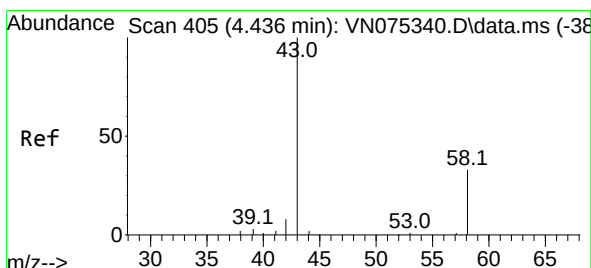
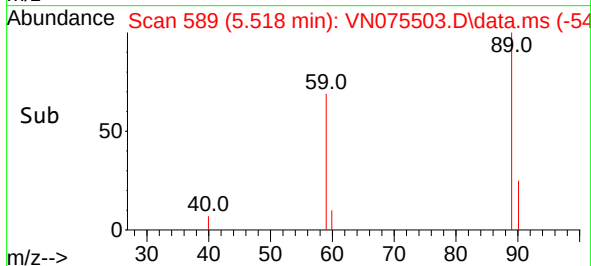
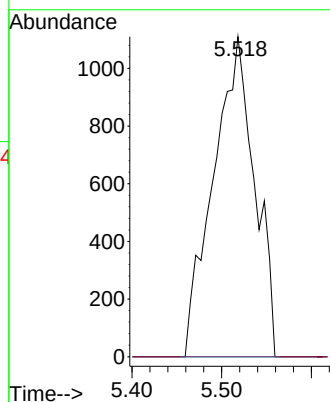
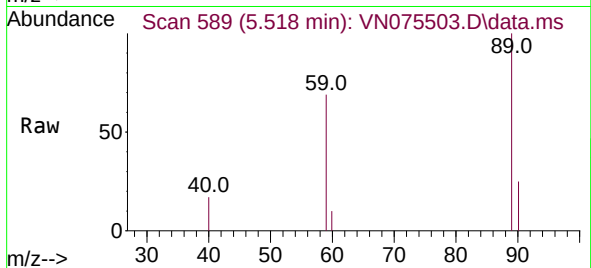




#11
Tert butyl alcohol
Concen: 11.335 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

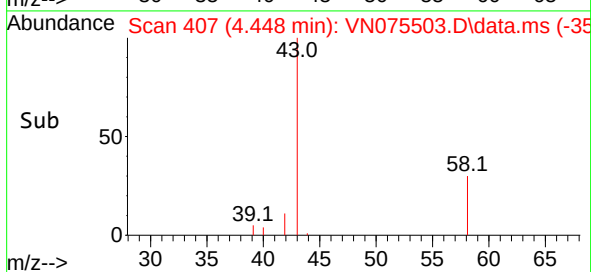
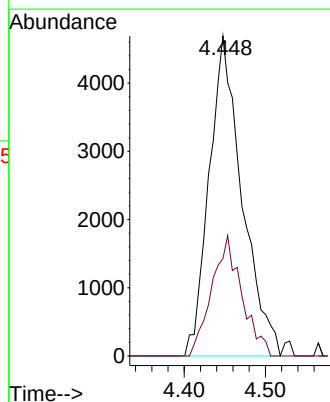
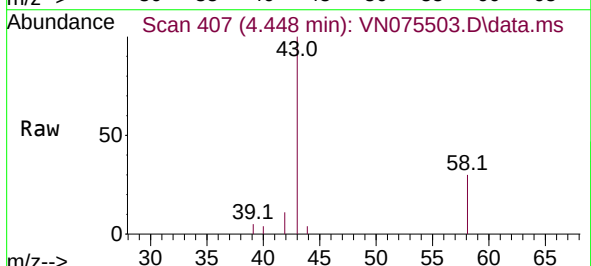
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ClientSampleId :
PB149341ZHE#07

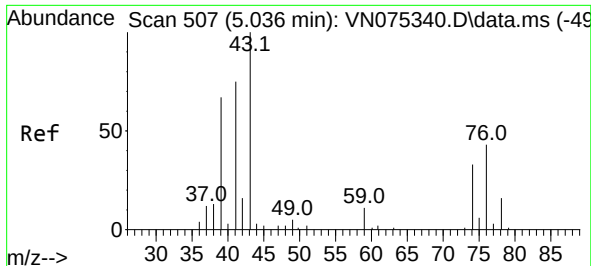
Tgt Ion: 59 Resp: 3552
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.000 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 43 Resp: 13230
Ion Ratio Lower Upper
43 100
58 30.4 25.5 38.3

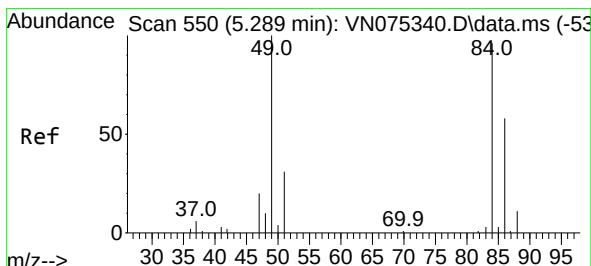
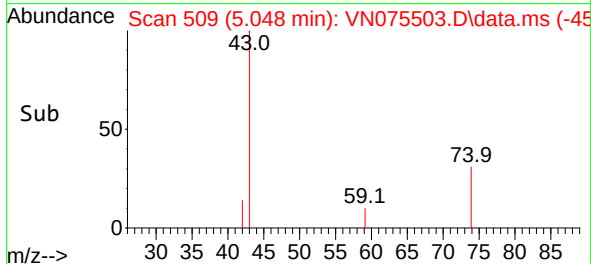
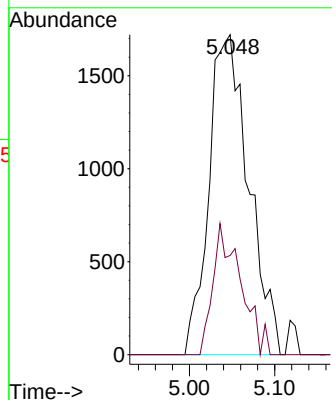
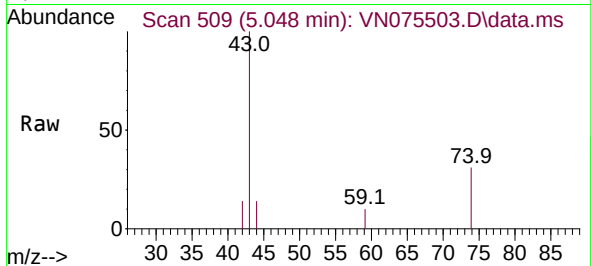




#18
Methyl Acetate
Concen: 1.932 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

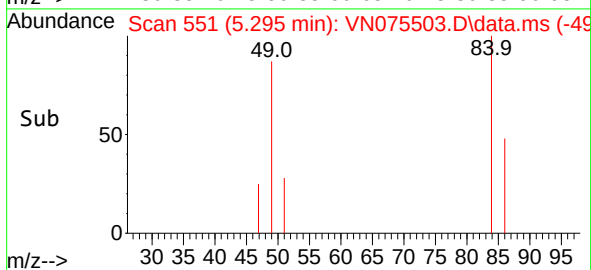
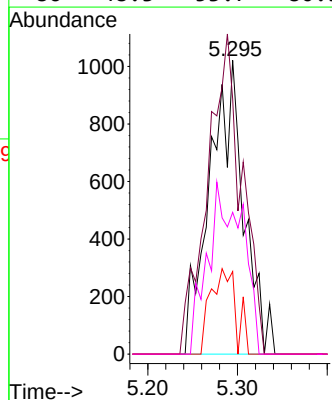
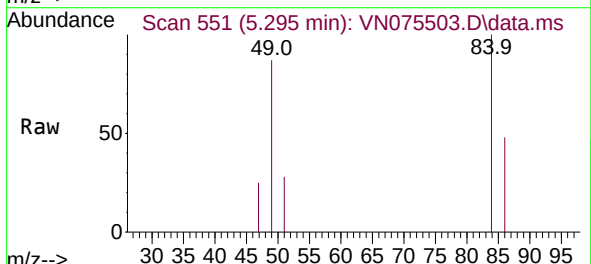
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MSVOA_N
ClientSampleId :
PB149341ZHE#07

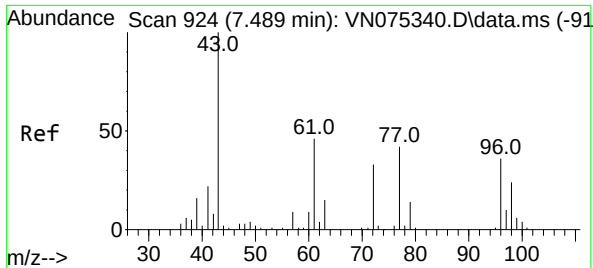
Tgt Ion: 43 Resp: 5577
Ion Ratio Lower Upper
43 100
74 28.8 22.0 33.0



#20
Methylene Chloride
Concen: 0.660 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 84 Resp: 2714
Ion Ratio Lower Upper
84 100
49 86.9 94.9 142.3#
51 28.1 26.8 40.2
86 48.3 53.7 80.5#

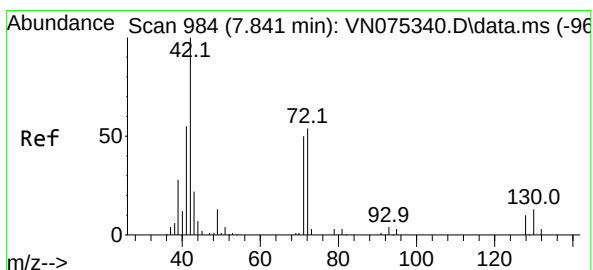
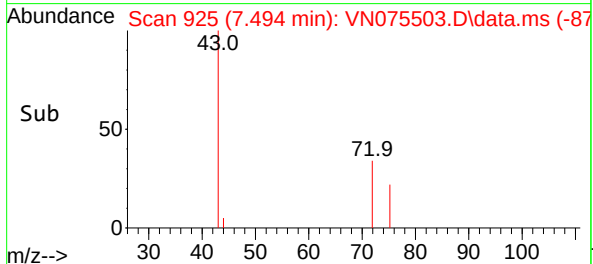
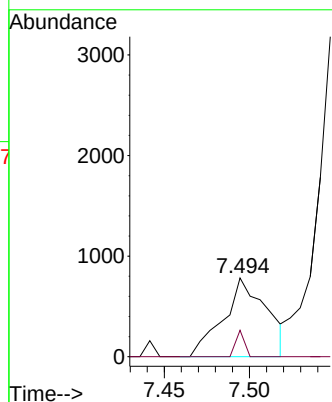
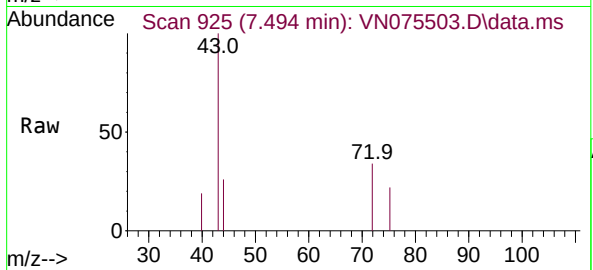




#25
2-Butanone
Concen: 1.412 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

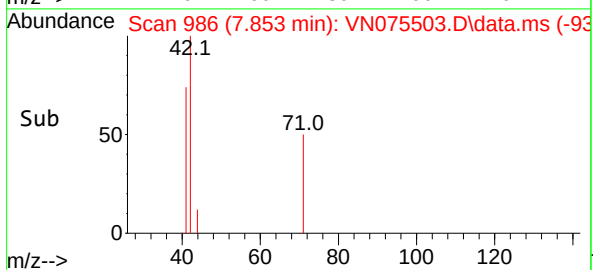
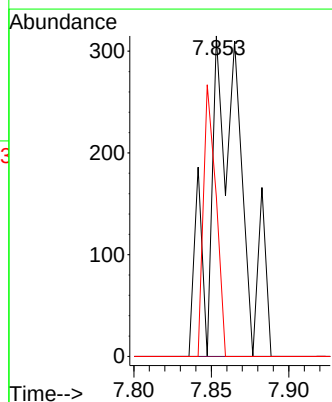
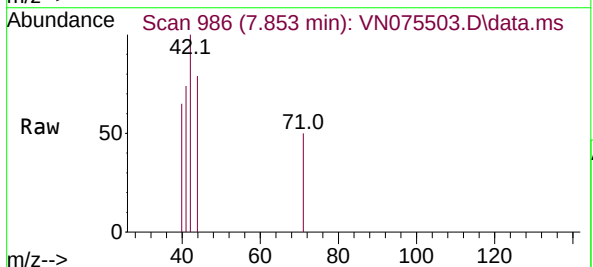
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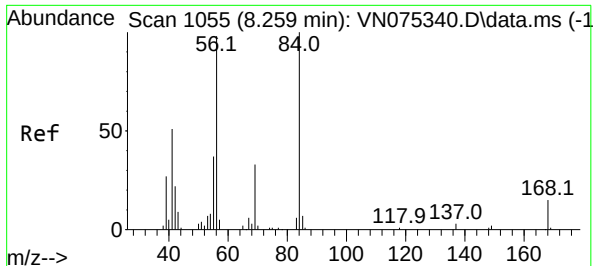
Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
72 33.6 25.5 38.3



#29
Tetrahydrofuran
Concen: 0.768 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.012 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 42 Resp: 454
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 33.0 39.9 59.9#

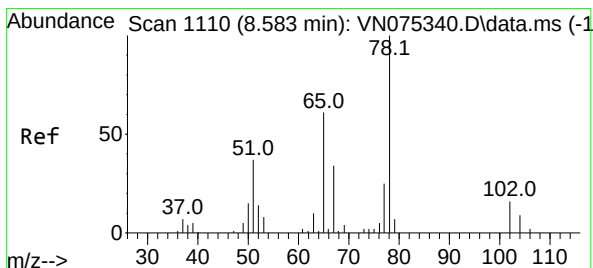
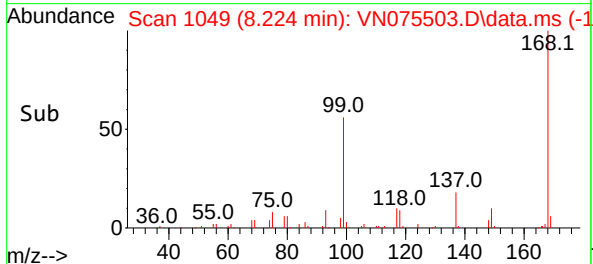
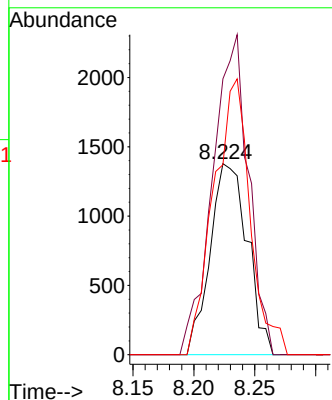
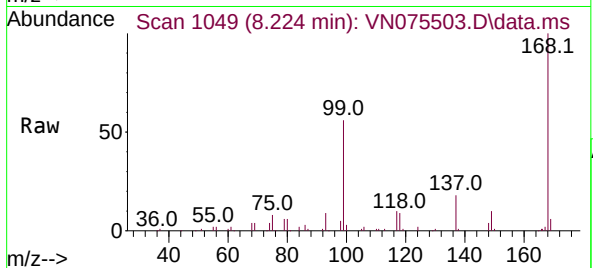




#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

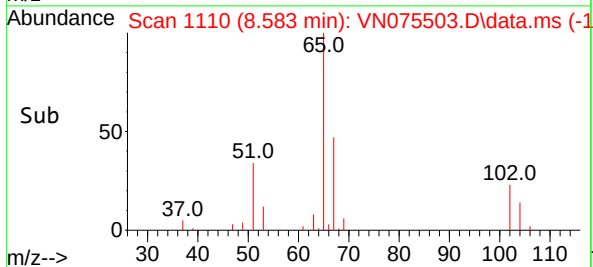
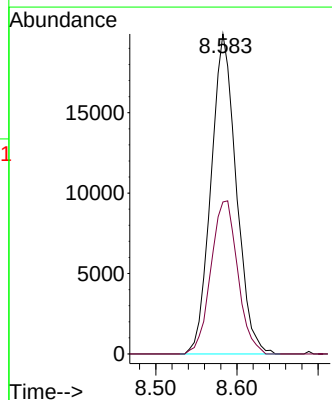
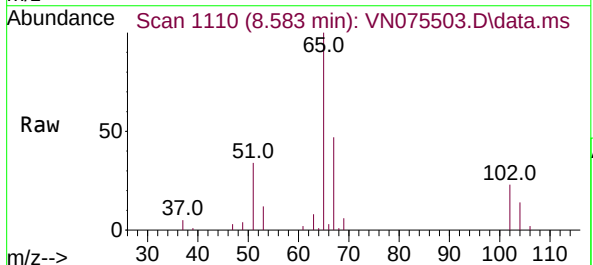
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ClientSampleId :
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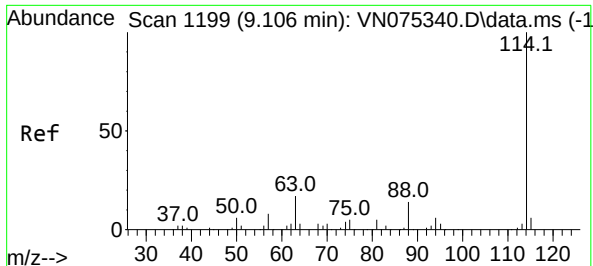
Tgt Ion: 56 Resp: 2934
Ion Ratio Lower Upper
56 100
69 144.3 25.2 37.8#
84 99.4 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 57.573 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 65 Resp: 42979
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075503.D

Acq: 30 Nov 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#07

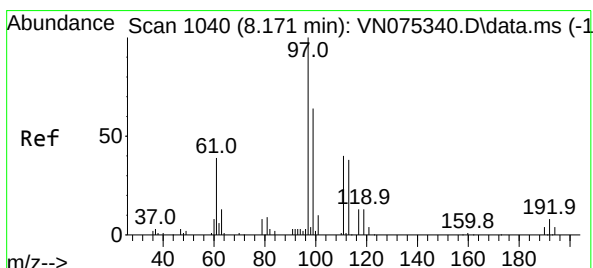
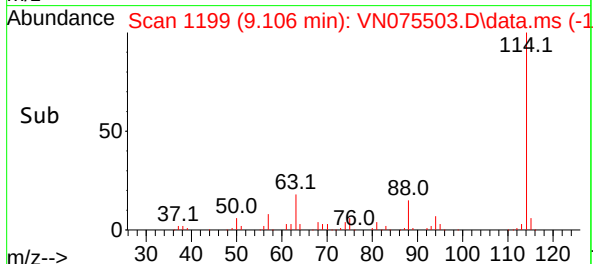
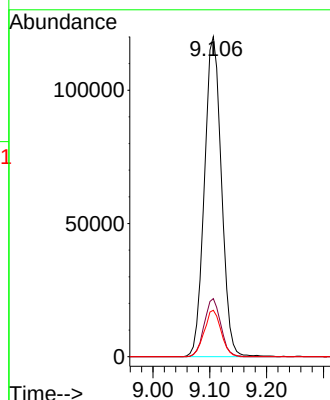
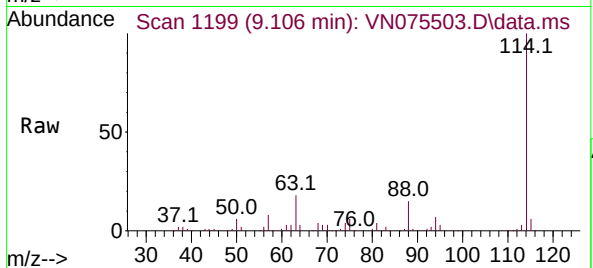
Tgt Ion:114 Resp: 249590

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.825 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075503.D

Acq: 30 Nov 2022 15:52

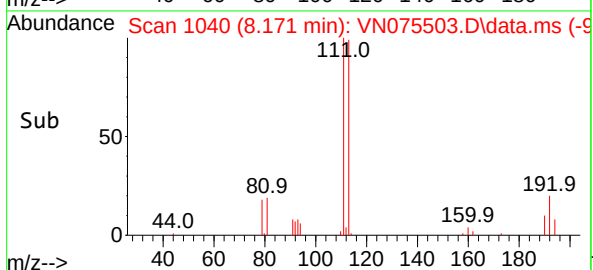
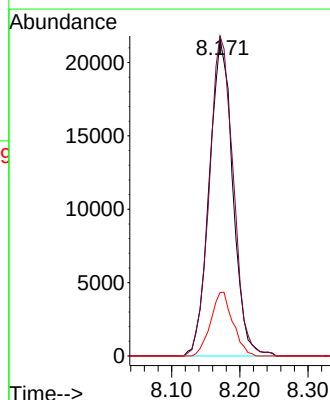
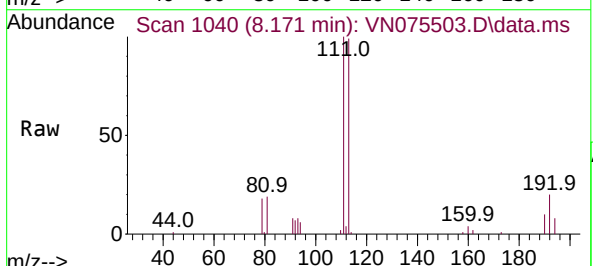
Tgt Ion:113 Resp: 51793

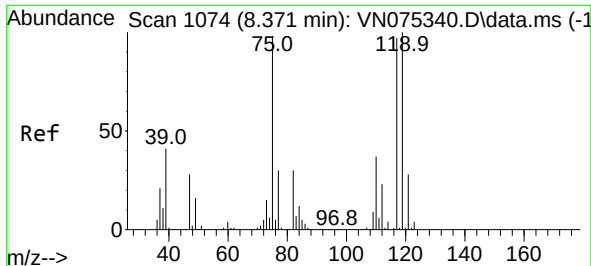
Ion Ratio Lower Upper

113 100

111 102.7 80.5 120.7

192 19.0 13.2 19.8

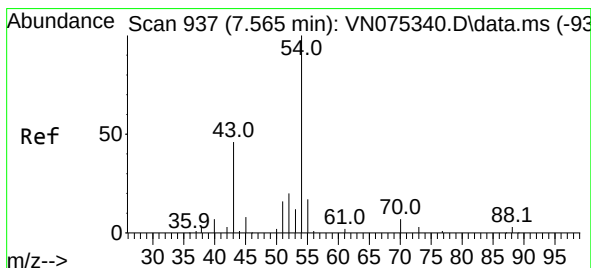
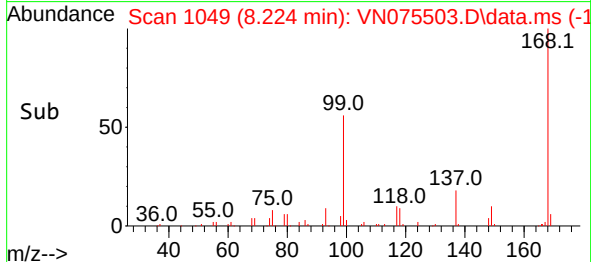
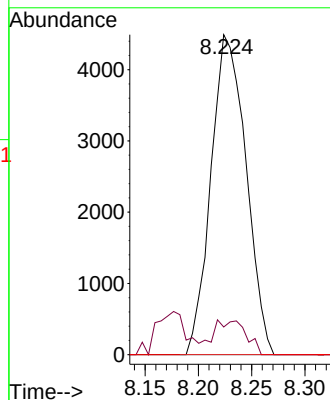
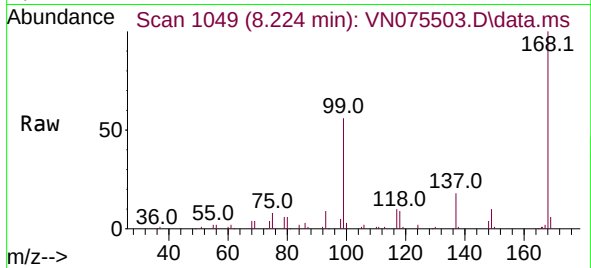




#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

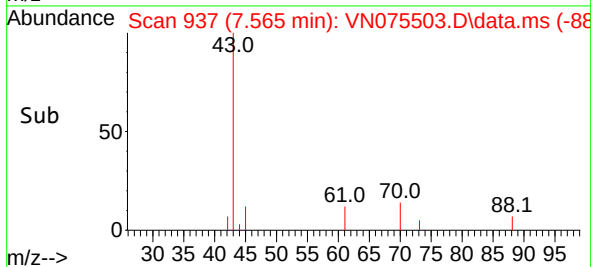
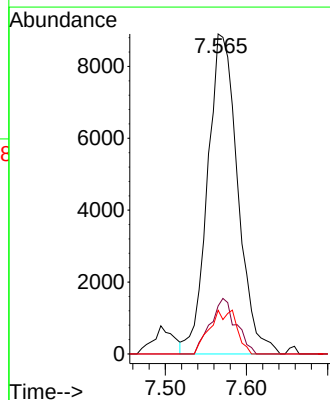
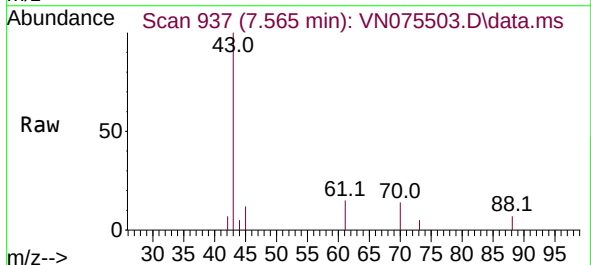
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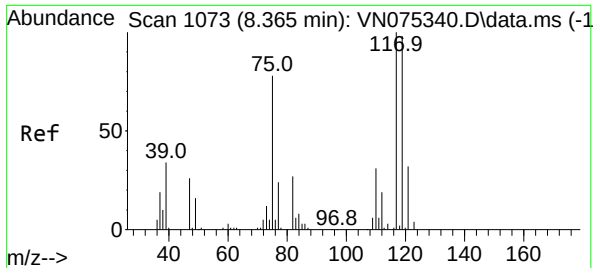
Tgt Ion: 75 Resp: 10280
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 11.933 ug/l
RT: 7.565 min Scan# 937
Delta R.T. 0.000 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

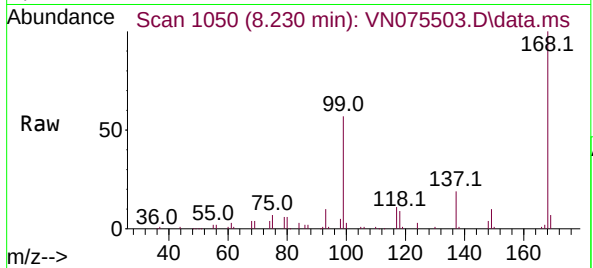
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Ion Ratio Lower Upper
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61 14.7 12.2 18.4
70 12.3 9.4 14.2



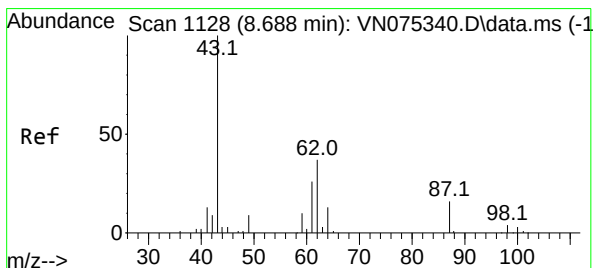
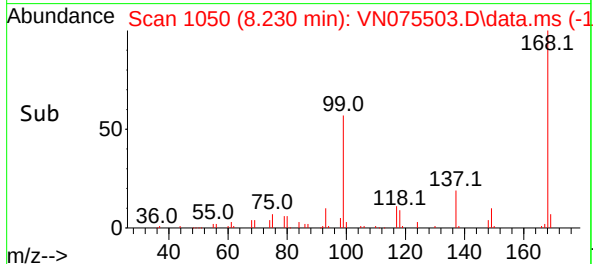
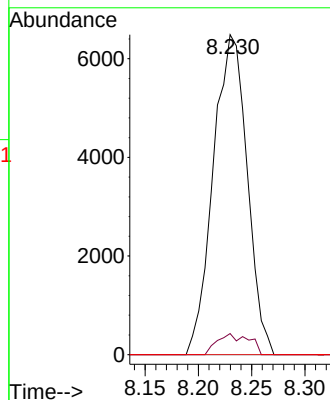


#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#07

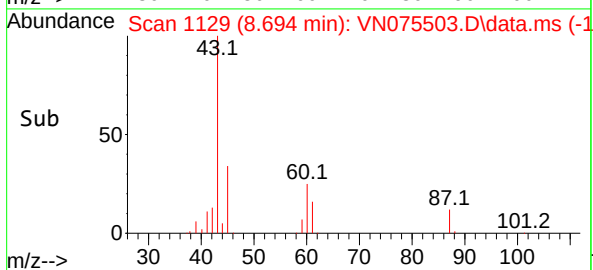
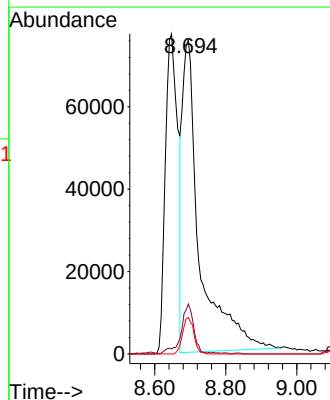
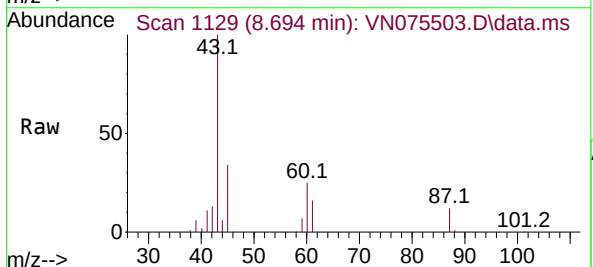


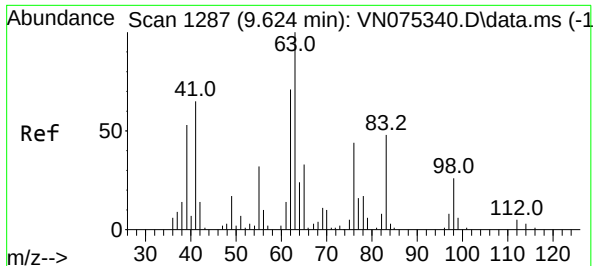
Tgt Ion:117 Resp: 14374
Ion Ratio Lower Upper
117 100
119 6.6 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 83.982 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 43 Resp: 259530
Ion Ratio Lower Upper
43 100
61 11.5 22.4 33.6#
87 7.4 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.988 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075503.D

Acq: 30 Nov 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

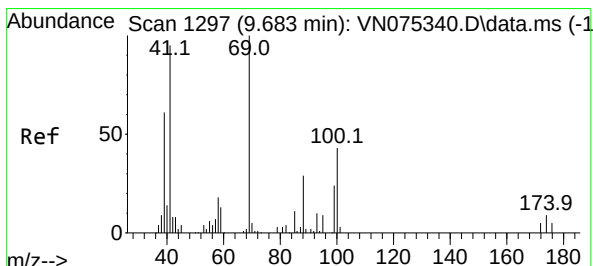
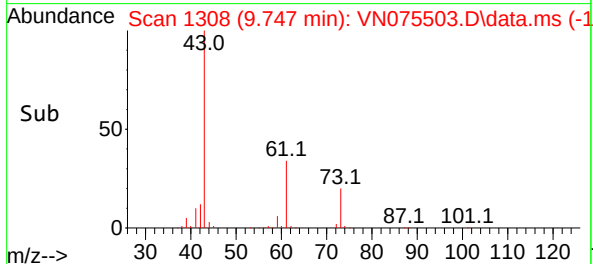
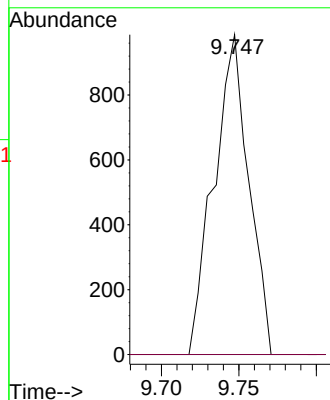
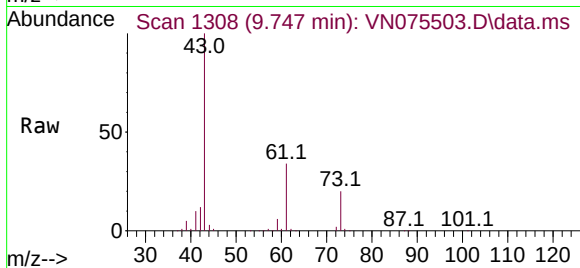
PB149341ZHE#07

Tgt Ion: 63 Resp: 1542

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 65.895 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.064 min

Lab File: VN075503.D

Acq: 30 Nov 2022 15:52

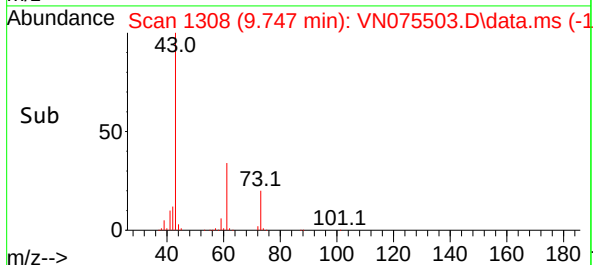
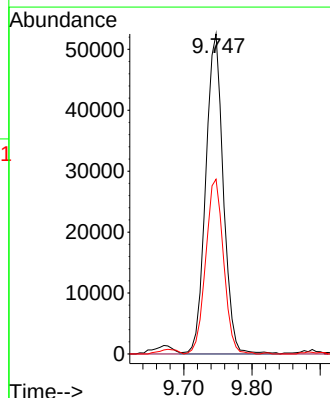
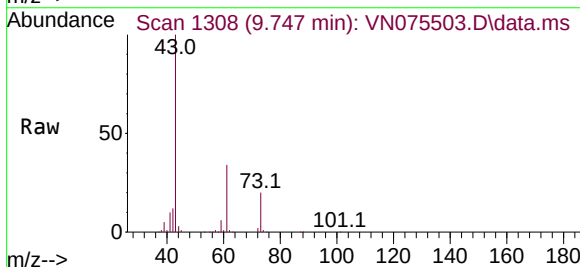
Tgt Ion: 41 Resp: 94160

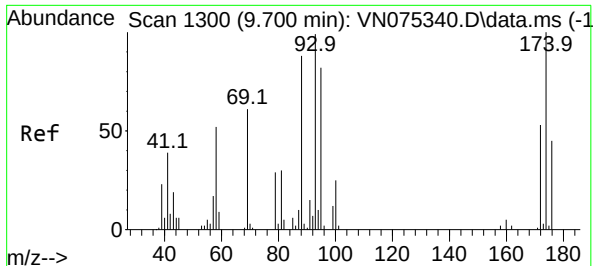
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.5 56.2 84.2#





#49

1,4-Dioxane

Concen: 1.799 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN075503.D

Acq: 30 Nov 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#07

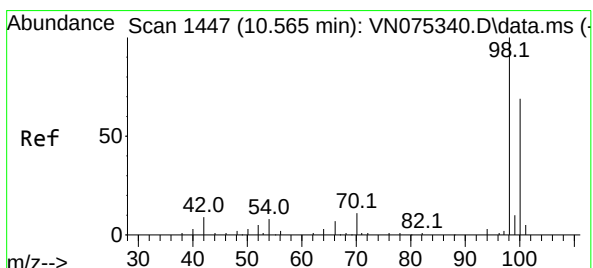
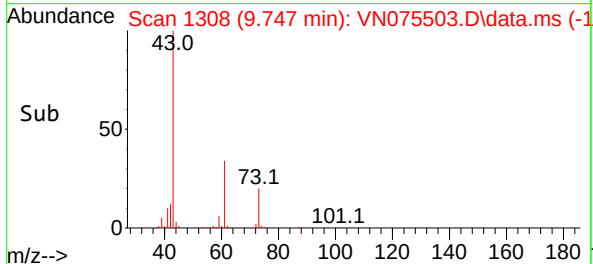
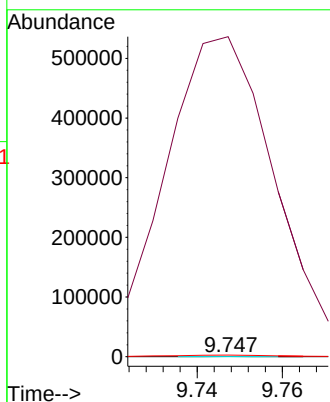
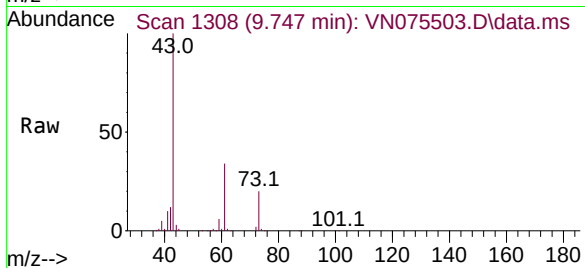
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 1352058.9 17.5 26.3#

58 6678.1 49.8 74.8#



#50

Toluene-d8

Concen: 50.901 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075503.D

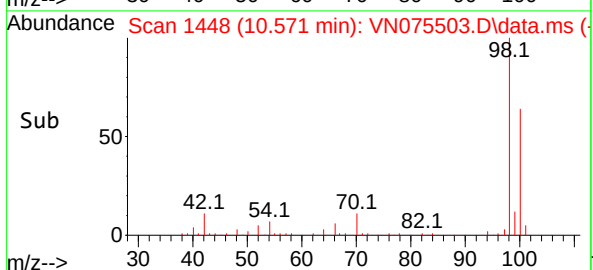
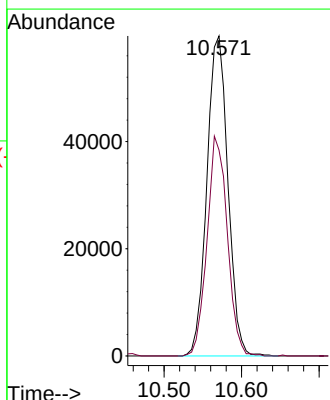
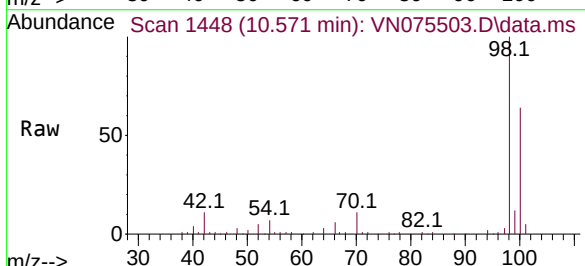
Acq: 30 Nov 2022 15:52

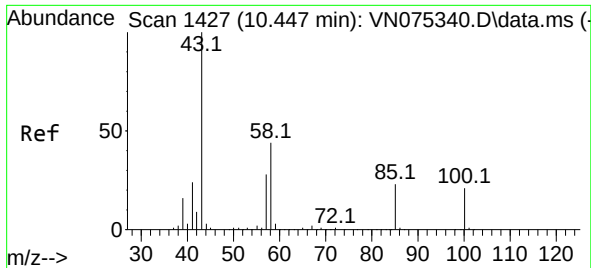
Tgt Ion: 98 Resp: 112405

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.6

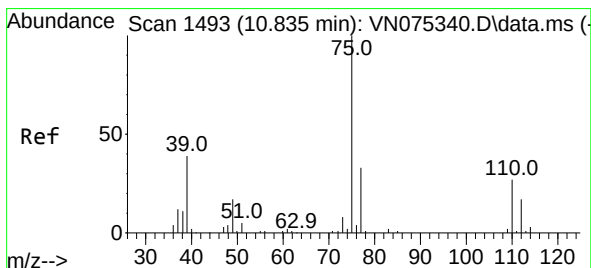
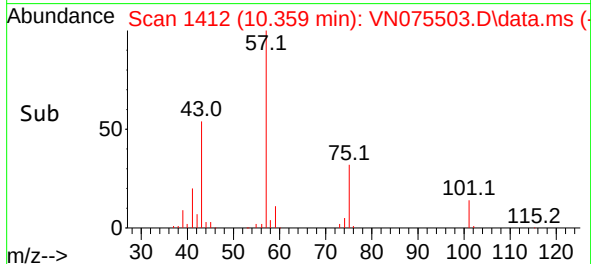
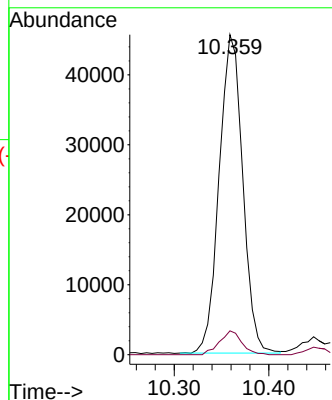
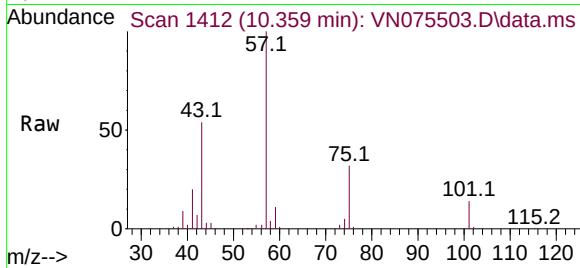




#51
4-Methyl-2-Pentanone
Concen: 39.957 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

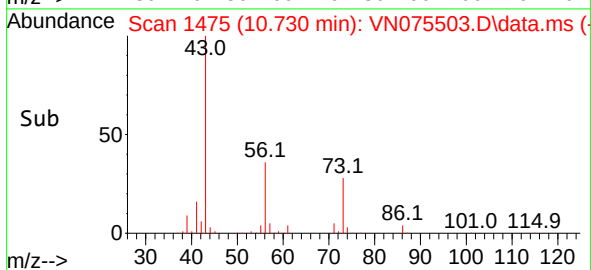
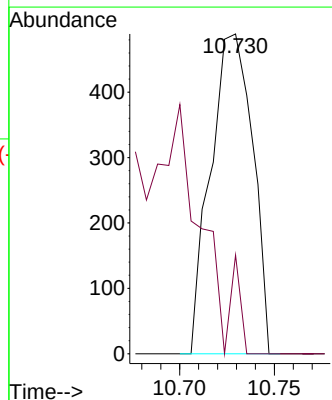
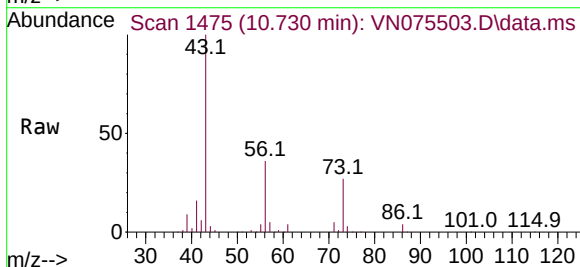
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#07

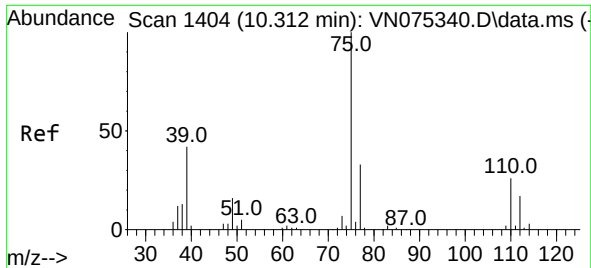
Tgt Ion: 43 Resp: 78646
Ion Ratio Lower Upper
43 100
58 7.1 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.329 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.105 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 75 Resp: 754
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

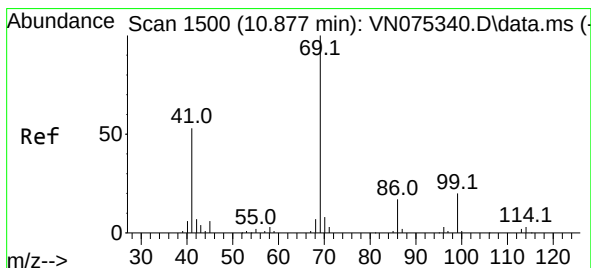
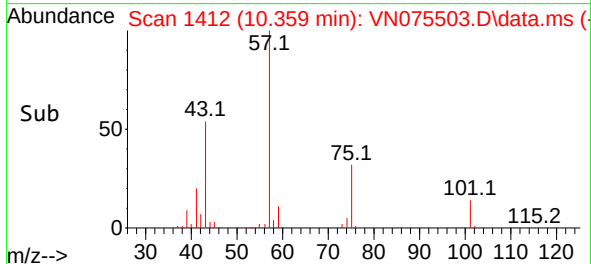
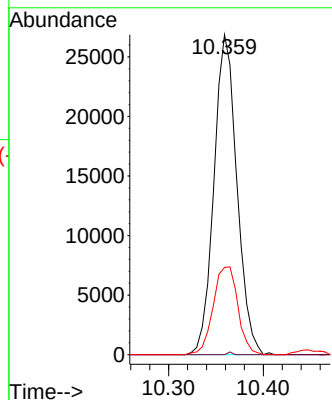
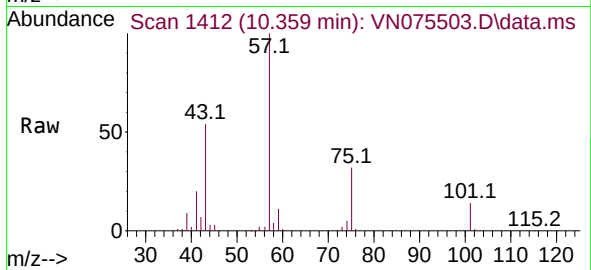




#54
 cis-1,3-Dichloropropene
 Concen: 18.202 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN075503.D
 Acq: 30 Nov 2022 15:52

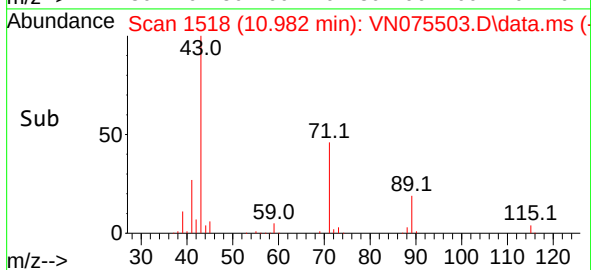
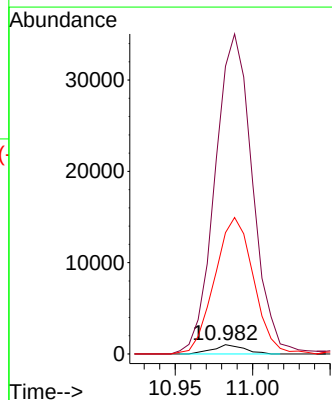
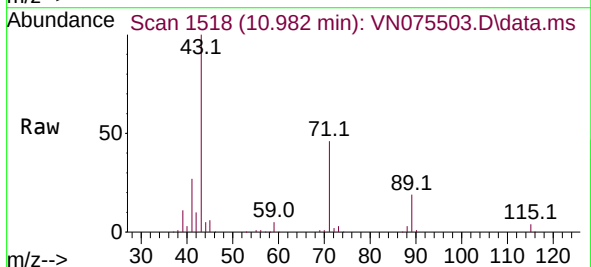
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#07

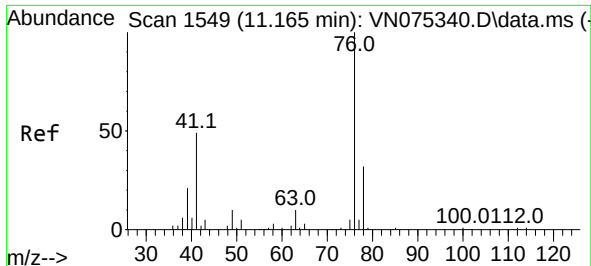
Tgt Ion: 75 Resp: 45352
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 27.3 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.612 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075503.D
 Acq: 30 Nov 2022 15:52

Tgt Ion: 69 Resp: 1421
 Ion Ratio Lower Upper
 69 100
 41 4164.5 45.6 68.4#
 39 1836.7 28.5 42.7#

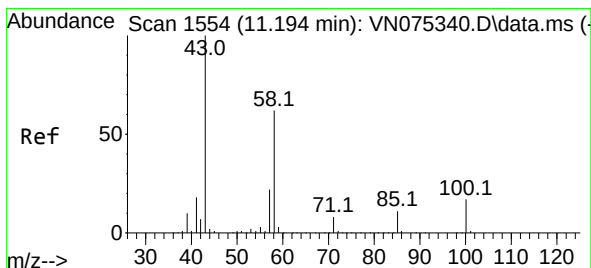
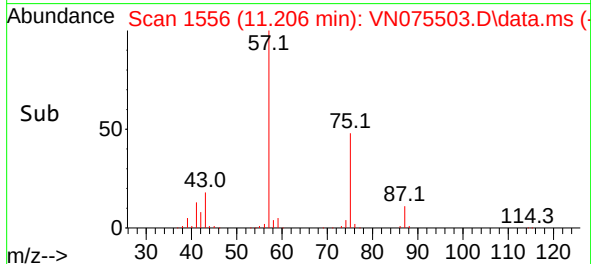
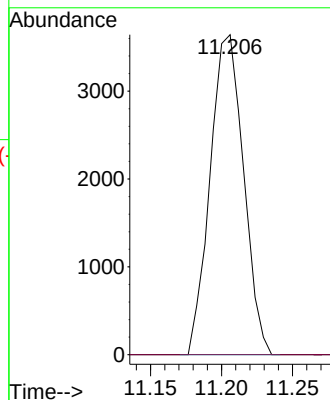
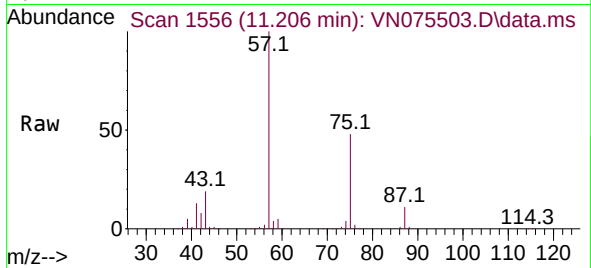




#57
1,3-Dichloropropane
Concen: 2.127 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

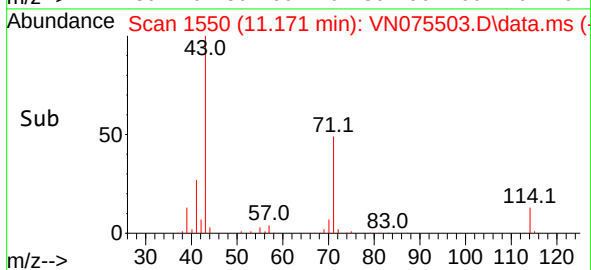
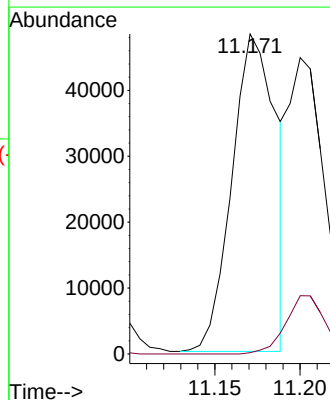
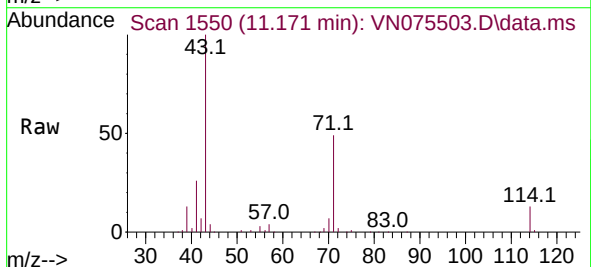
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#07

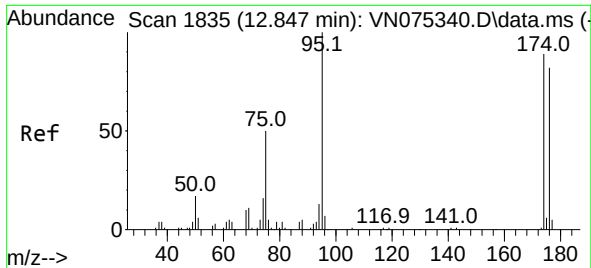
Tgt Ion: 76 Resp: 5960
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 58.529 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. -0.023 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 43 Resp: 86506
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#

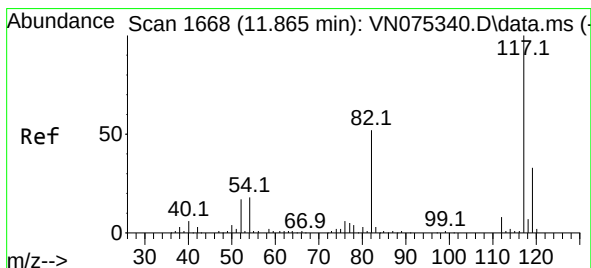
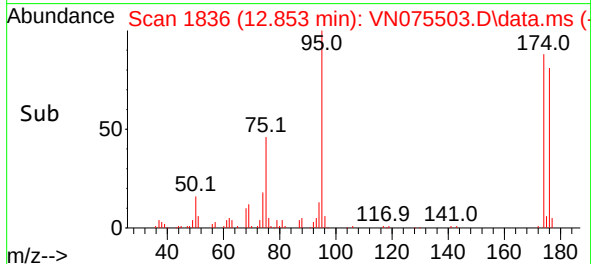
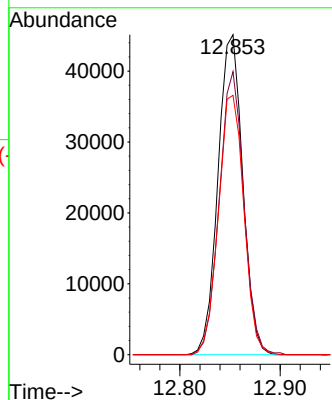
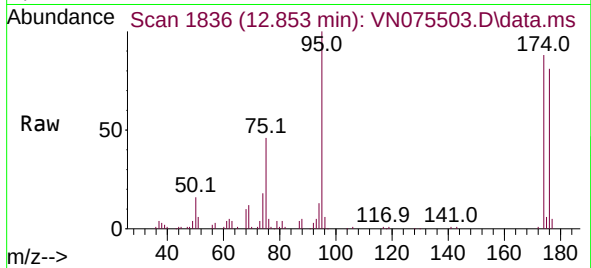




#62
4-Bromofluorobenzene
Concen: 47.538 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

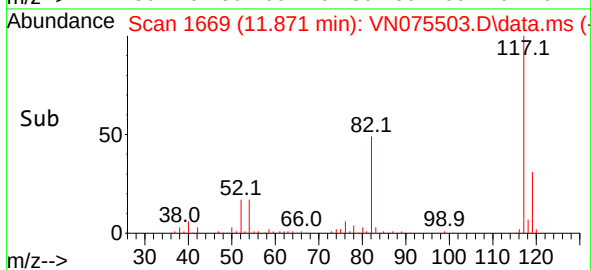
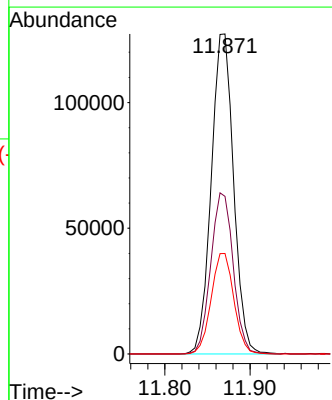
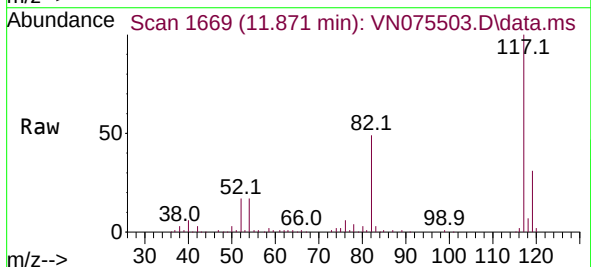
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#07

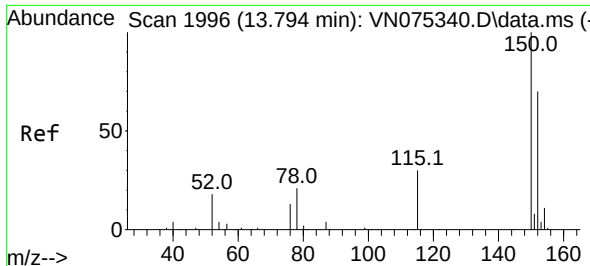
Tgt Ion: 95 Resp: 77485
Ion Ratio Lower Upper
95 100
174 87.5 0.0 147.4
176 83.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 117 Resp: 231639
Ion Ratio Lower Upper
117 100
82 49.2 43.1 64.7
119 31.4 25.5 38.3

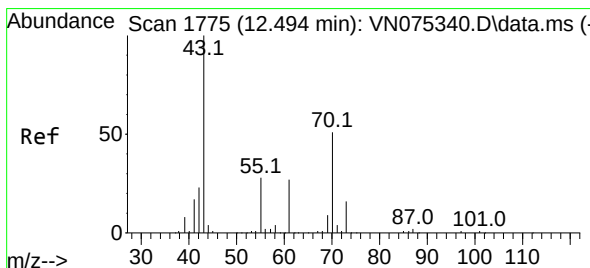
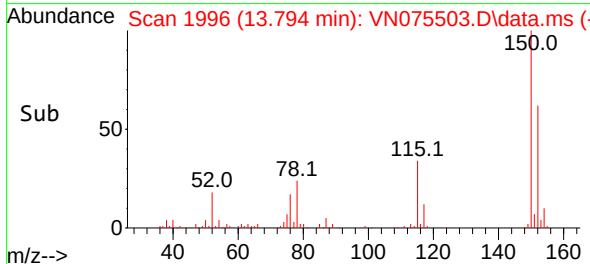
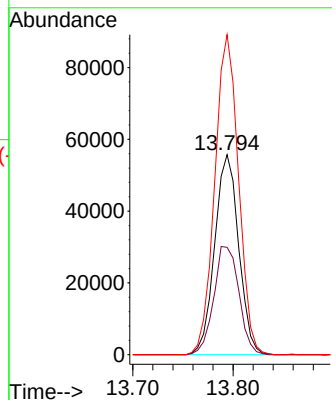
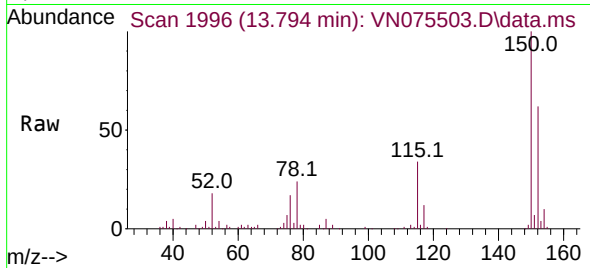




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

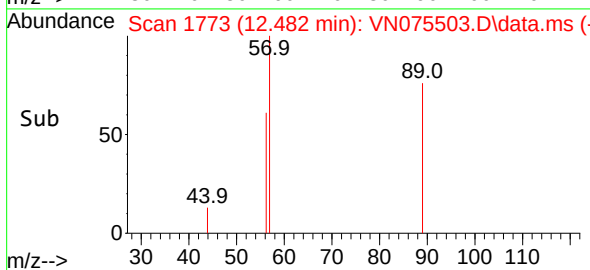
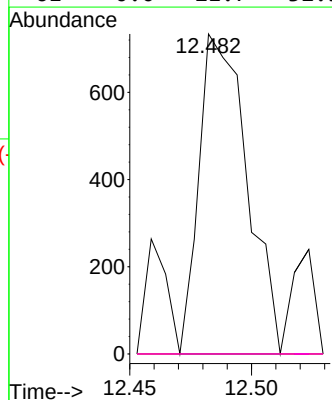
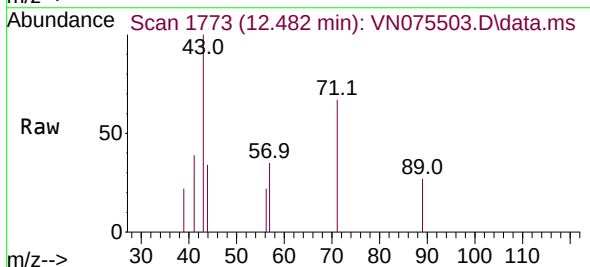
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#07

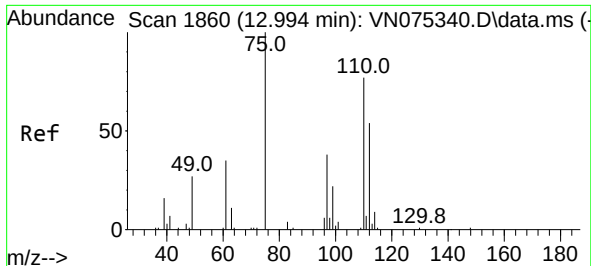
Tgt Ion:152 Resp: 92539
Ion Ratio Lower Upper
152 100
115 56.7 30.2 90.6
150 158.2 0.0 348.4



#74
N-ethyl acetate
Concen: 0.484 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

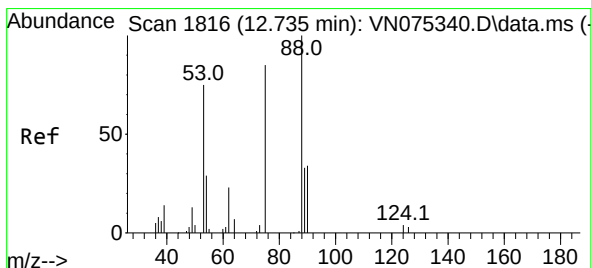
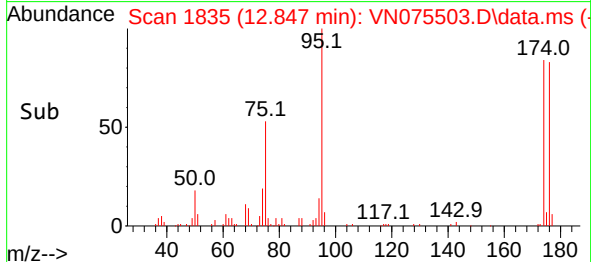
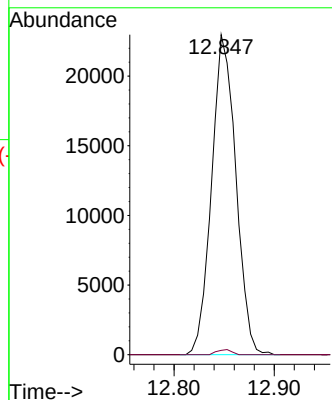
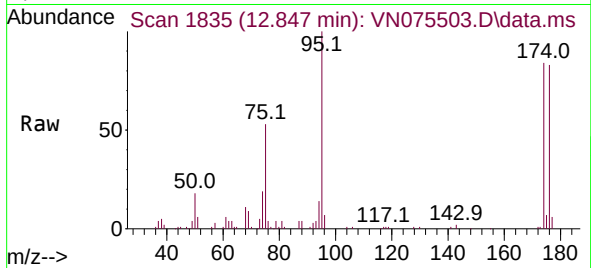




#76
1,2,3-Trichloropropane
Concen: 22.082 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#07

Tgt Ion: 75 Resp: 38637
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.337 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075503.D
Acq: 30 Nov 2022 15:52

Tgt Ion: 75 Resp: 38637
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

