

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075400.D
 Acq On : 23 Nov 2022 16:47
 Operator : JC\MD
 Sample : PB149245ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

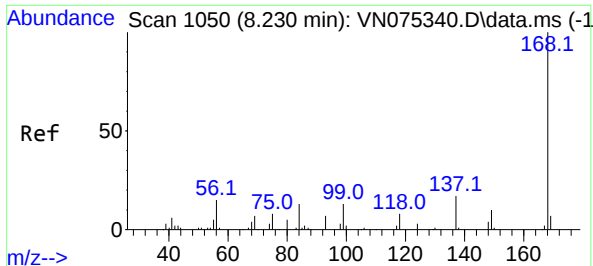
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149245ZHE#03

Quant Time: Nov 24 06:52:48 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	8.235	168	162979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	46274	52.894	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.780%	
35) Dibromofluoromethane	8.171	113	55849	49.480	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.960%	
50) Toluene-d8	10.571	98	129698	51.018	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	12.853	95	92906	49.513	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.020%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.965	74	4014	4.102	ug/l	91
11) Tert butyl alcohol	5.512	59	3038	8.272	ug/l #	72
14) Allyl chloride	5.289	41	501	0.257	ug/l #	19
16) Acetone	4.447	43	83282	102.059	ug/l	96
18) Methyl Acetate	5.042	43	4023	0.678	ug/l	98
20) Methylene Chloride	5.289	84	21996	12.329	ug/l #	82
25) 2-Butanone	7.500	43	3103	2.724	ug/l #	79
31) Cyclohexane	8.230	56	3154	1.135	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11535	4.686	ug/l #	52
37) Ethyl Acetate	7.571	43	22862	10.315	ug/l	98
38) Carbon Tetrachloride	8.230	117	16157	5.975	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	647	0.256	ug/l #	75
43) Isopropyl Acetate	8.694	43	148497	41.741	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	1470	0.819	ug/l #	42
48) Methyl methacrylate	9.671	41	2993	1.819	ug/l #	35
49) 1,4-Dioxane	9.753	88	156	3.340	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	10058	4.439	ug/l #	66
53) t-1,3-Dichloropropene	10.718	75	744	0.282	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	46339	16.155	ug/l #	61
56) Ethyl methacrylate	10.982	69	903	0.338	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6096	1.890	ug/l #	42
59) 2-Hexanone	11.171	43	89516	52.611	ug/l #	21
74) N-amyl acetate	12.476	43	950	0.360	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	47162	21.224	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	47162	62.798	ug/l #	10

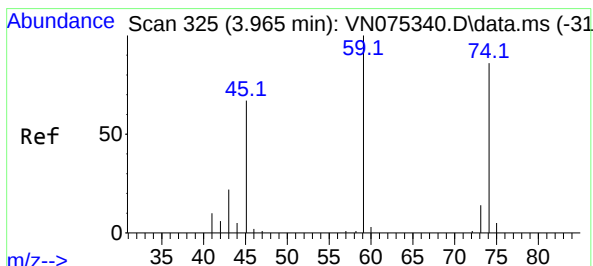
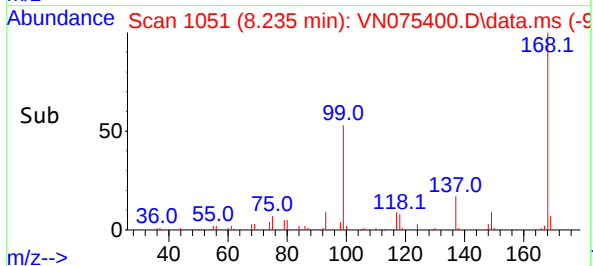
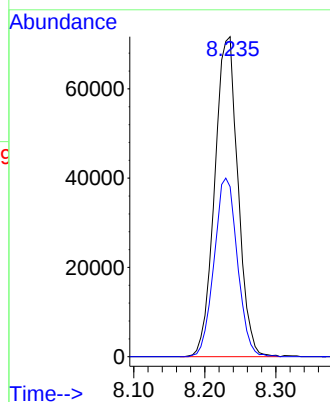
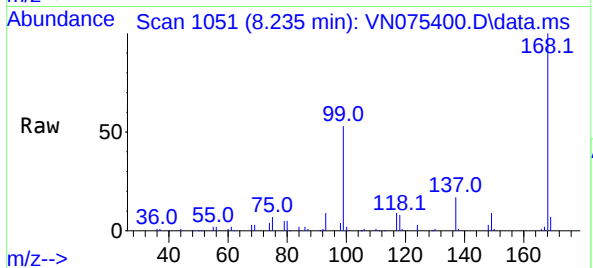
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

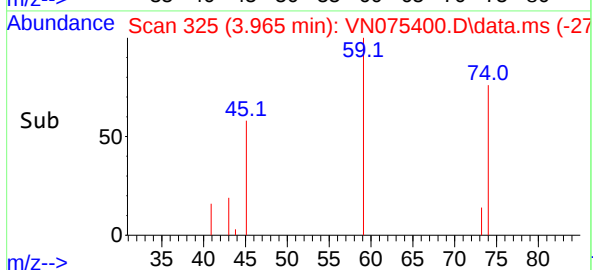
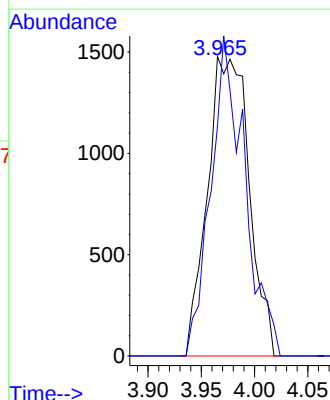
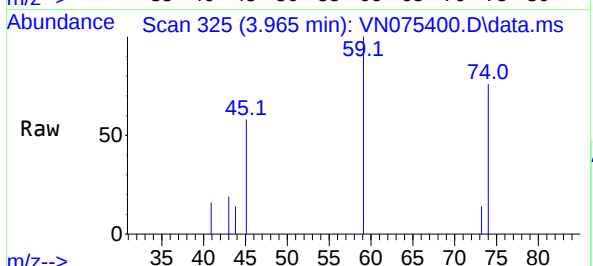
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

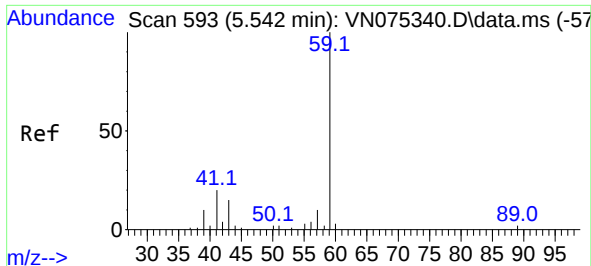
Tgt Ion:168 Resp: 162979
Ion Ratio Lower Upper
168 100
99 53.1 51.6 77.4



#8
Diethyl Ether
Concen: 4.102 ug/l
RT: 3.965 min Scan# 325
Delta R.T. 0.000 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 74 Resp: 4014
Ion Ratio Lower Upper
74 100
45 86.8 39.3 117.9

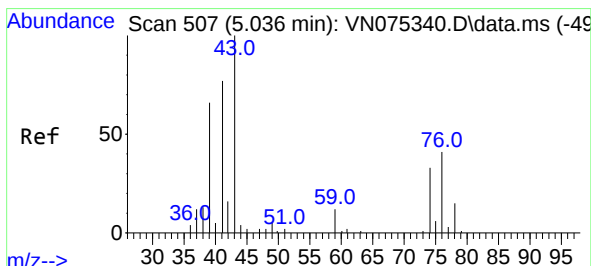
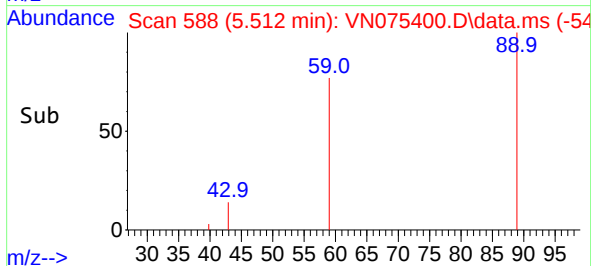
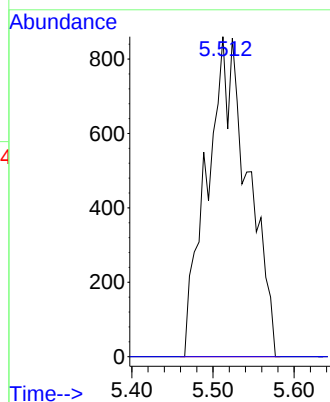
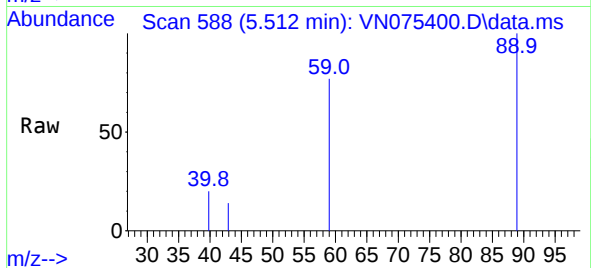




#11
Tert butyl alcohol
Concen: 8.272 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

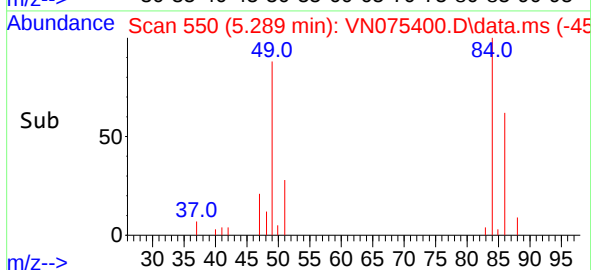
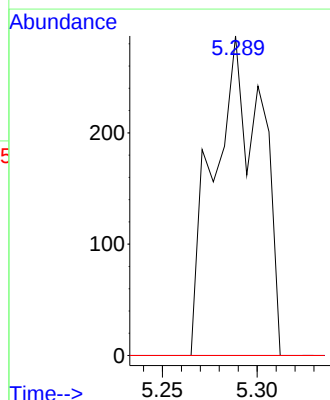
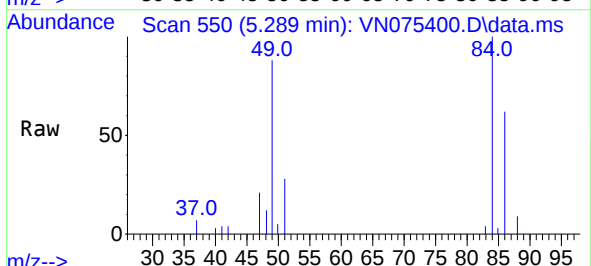
Instrument :
MSVOA_N
ClientSampleId :
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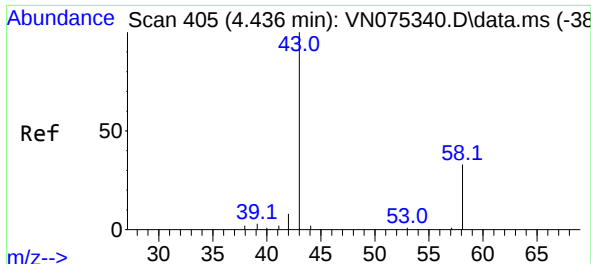
Tgt Ion: 59 Resp: 3038
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 0.257 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.253 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 41 Resp: 501
Ion Ratio Lower Upper
41 100
39 0.0 61.0 91.4#
76 0.0 33.4 50.0#

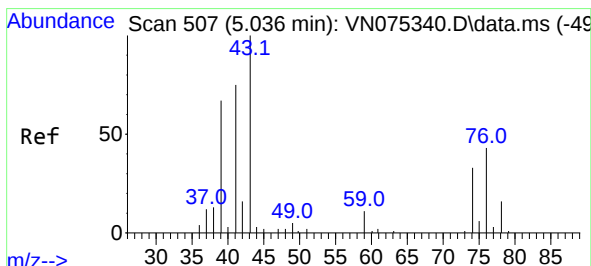
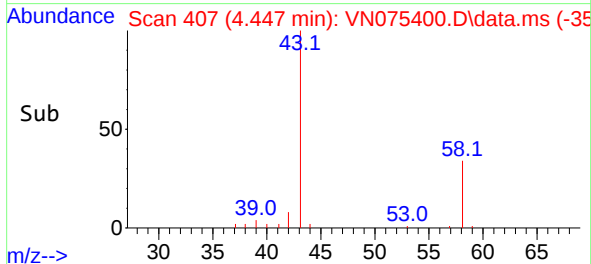
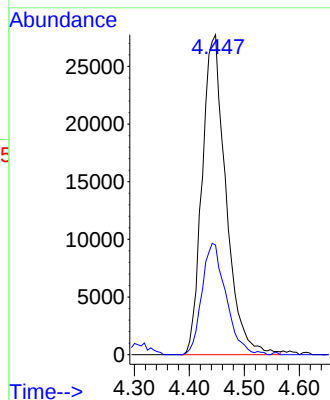
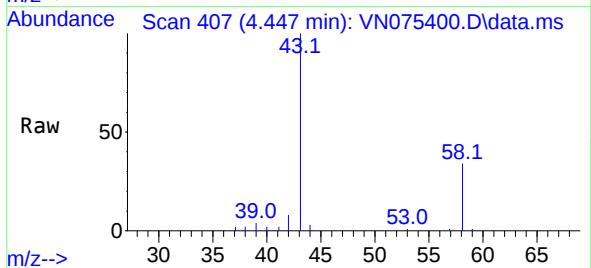




#16
Acetone
Concen: 102.059 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

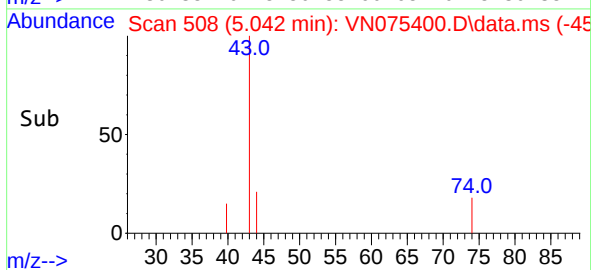
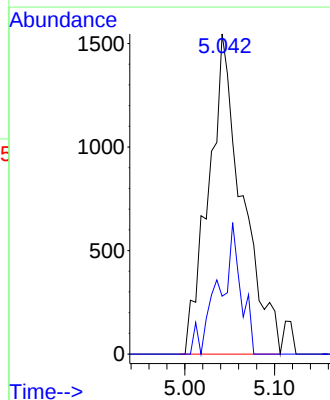
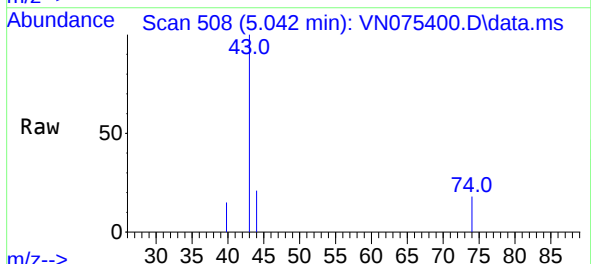
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

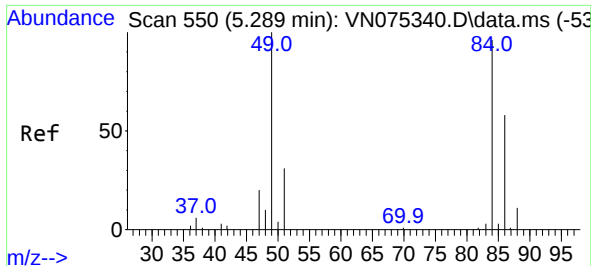
Tgt Ion: 43 Resp: 83282
Ion Ratio Lower Upper
43 100
58 34.3 25.5 38.3



#18
Methyl Acetate
Concen: 0.678 ug/l
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 43 Resp: 4023
Ion Ratio Lower Upper
43 100
74 26.7 22.0 33.0

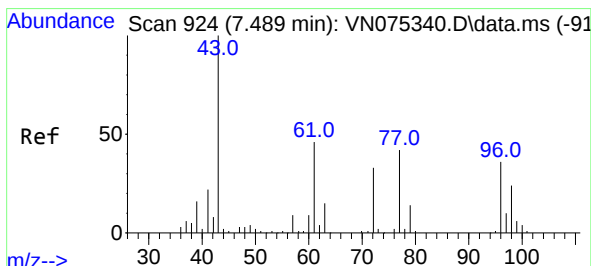
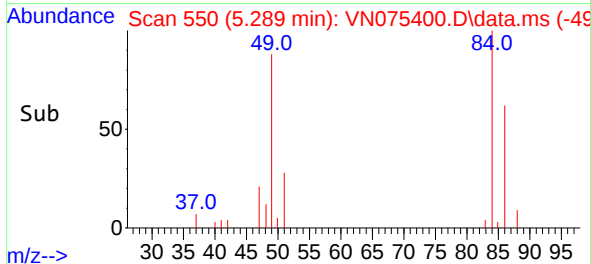
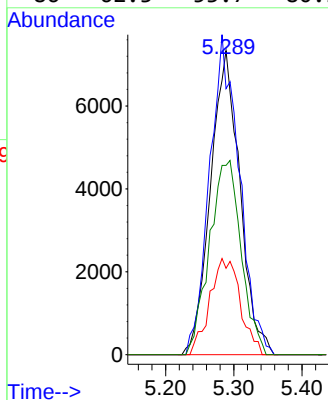
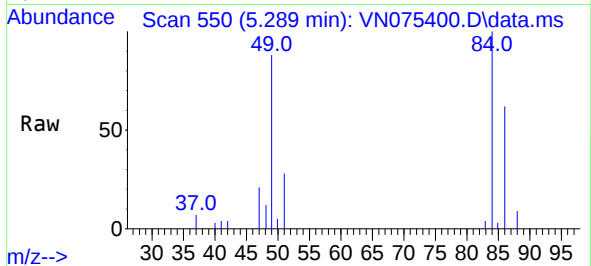




#20
Methylene Chloride
Concen: 12.329 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

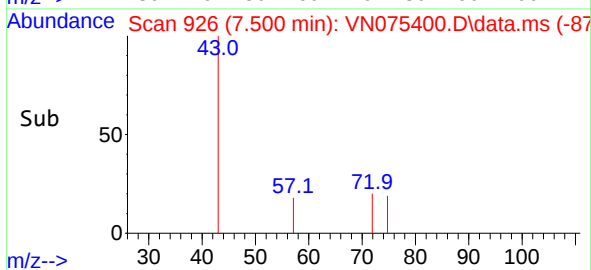
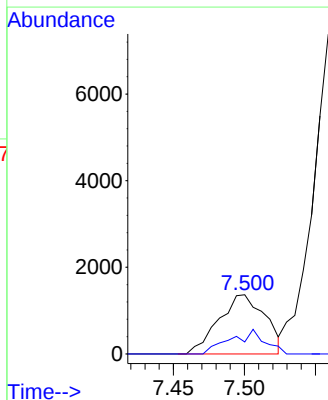
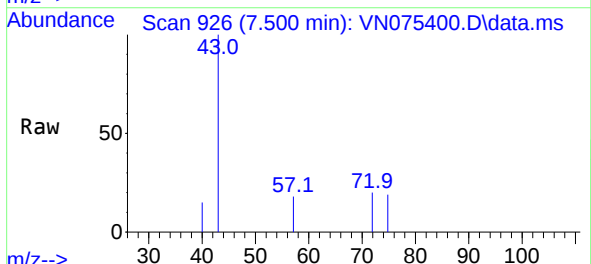
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

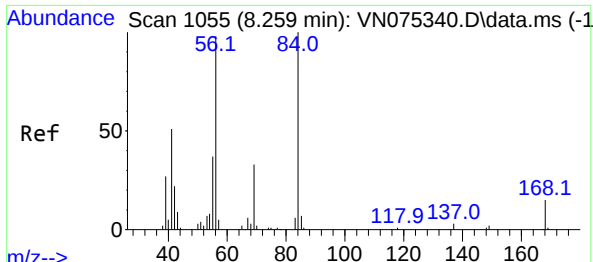
Tgt Ion: 84	Resp: 21996
Ion Ratio	Lower Upper
84 100	
49 87.5	94.9 142.3#
51 28.4	26.8 40.2
86 62.3	53.7 80.5



#25
2-Butanone
Concen: 2.724 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.011 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

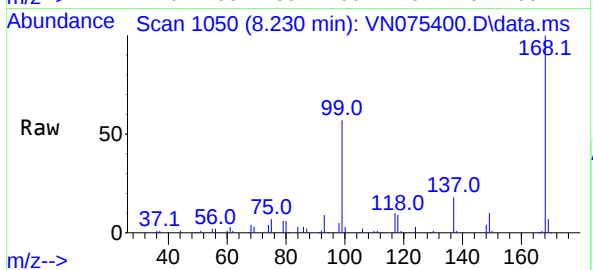
Tgt Ion: 43	Resp: 3103		
Ion Ratio	Lower	Upper	
43 100			
72 20.1	25.5	38.3#	



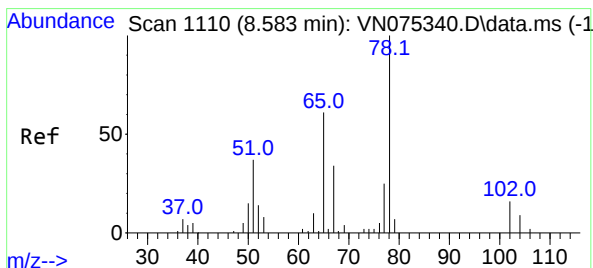
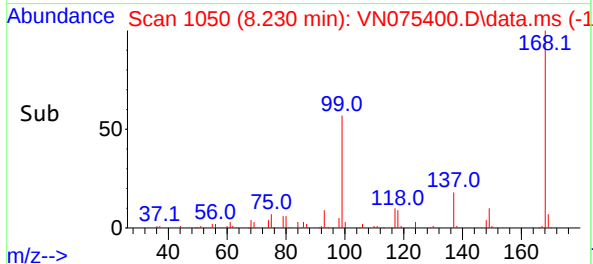
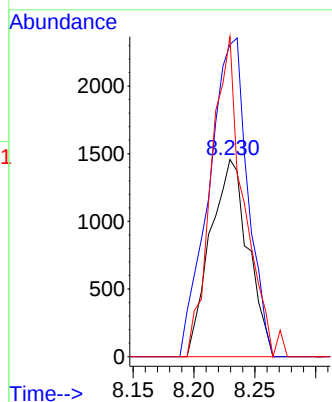


#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

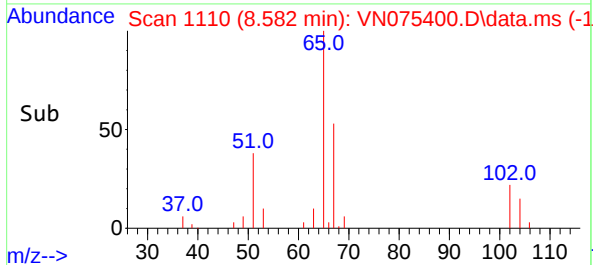
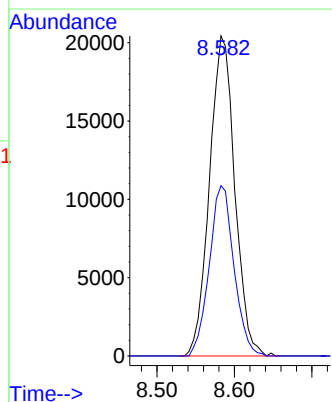
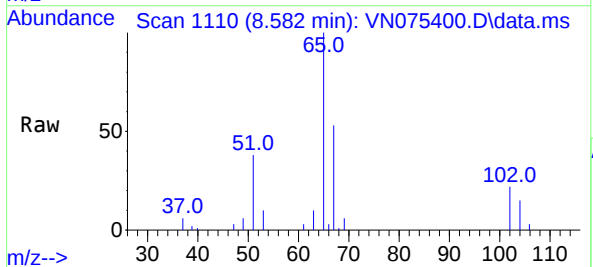


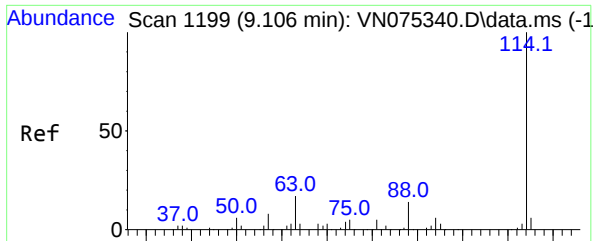
Tgt Ion: 56 Resp: 3154
Ion Ratio Lower Upper
56 100
69 158.3 25.2 37.8#
84 162.3 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 52.894 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 65 Resp: 46274
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0

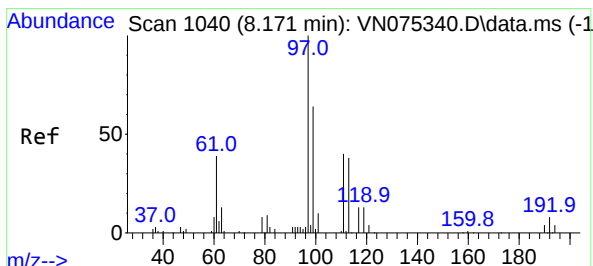
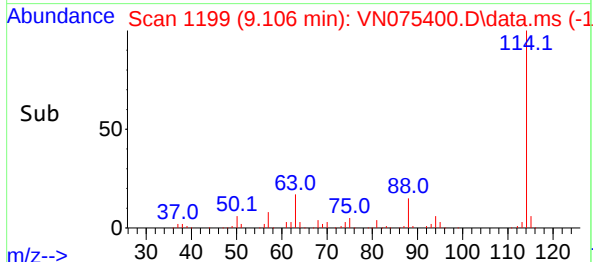
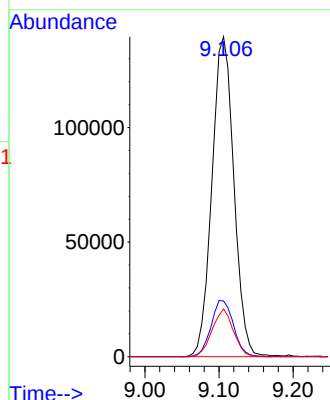
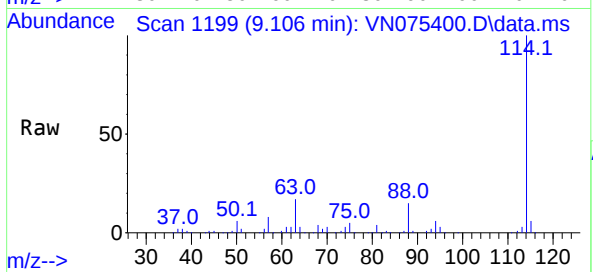




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

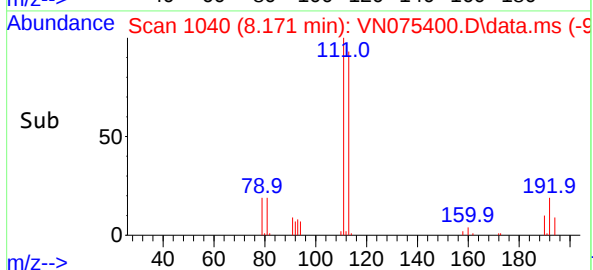
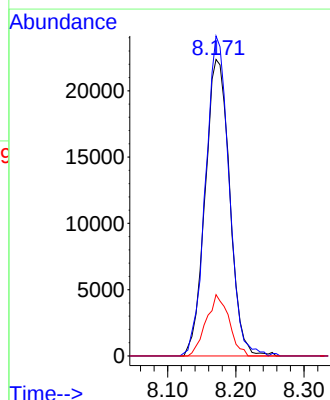
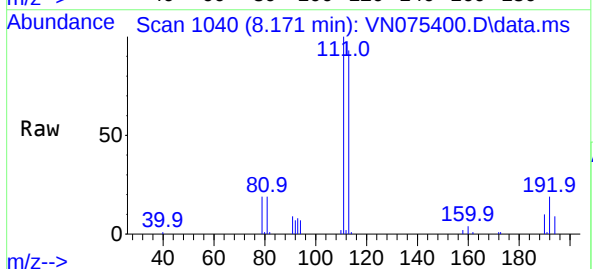
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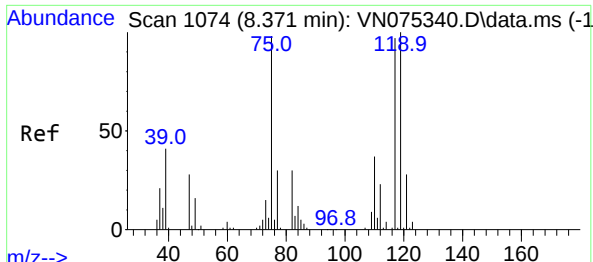
Tgt Ion:114 Resp: 287328
Ion Ratio Lower Upper
114 100
63 17.4 0.0 39.6
88 14.9 0.0 29.0



#35
Dibromofluoromethane
Concen: 49.480 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion:113 Resp: 55849
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 19.2 13.2 19.8

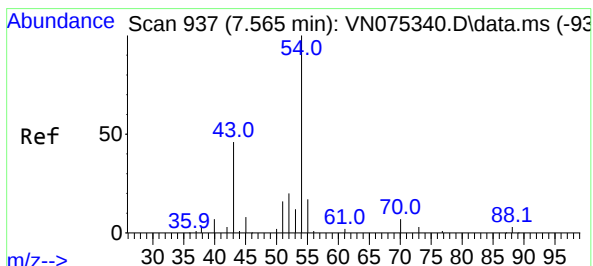
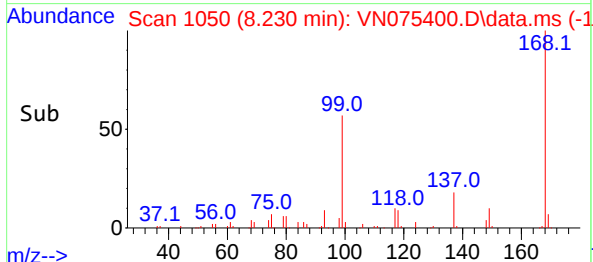
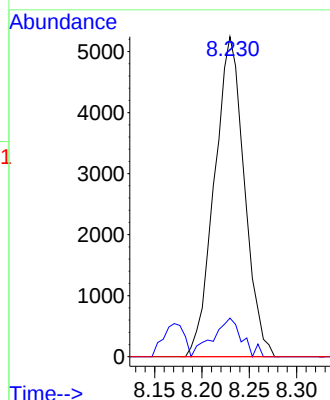
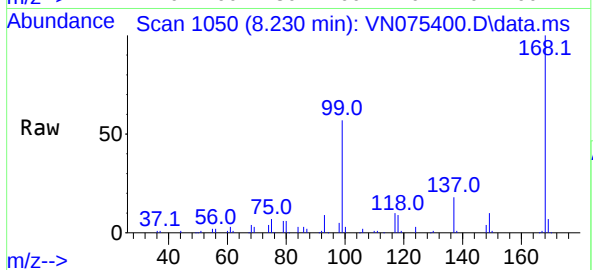




#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 8.230 min Scan# 11535
Delta R.T. -0.141 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

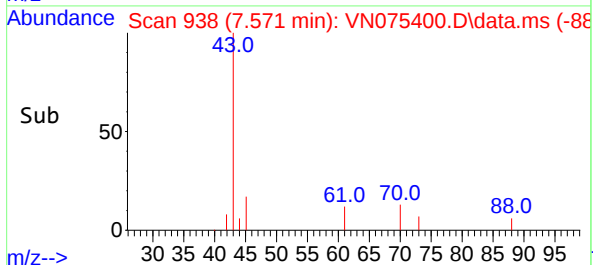
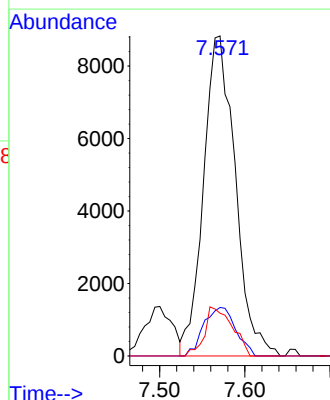
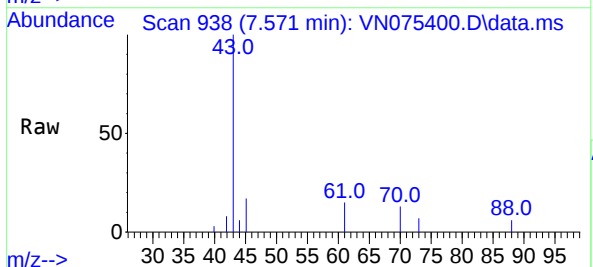
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MSVOA_N
ClientSampleId :
PB149245ZHE#03

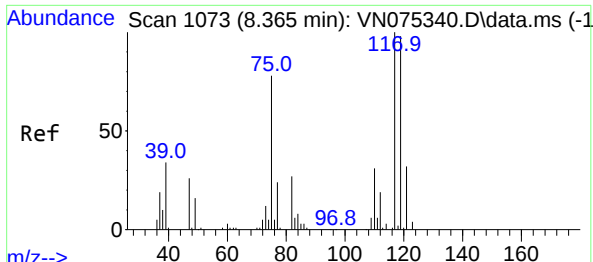
Tgt Ion: 75 Resp: 11535
Ion Ratio Lower Upper
75 100
110 11.7 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 10.315 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

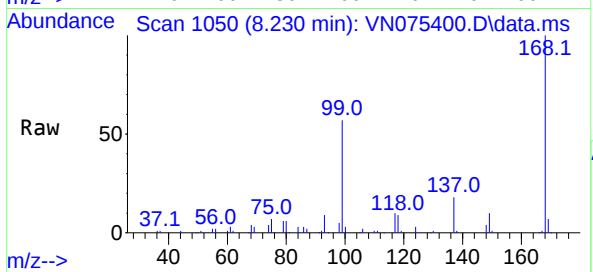
Tgt Ion: 43 Resp: 22862
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 13.4 9.4 14.2



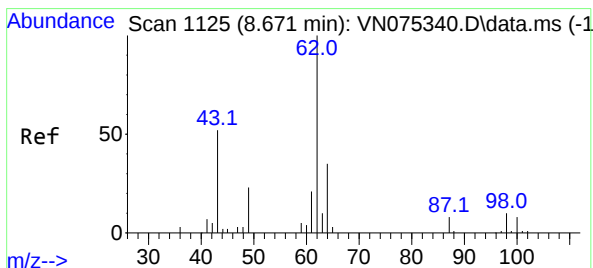
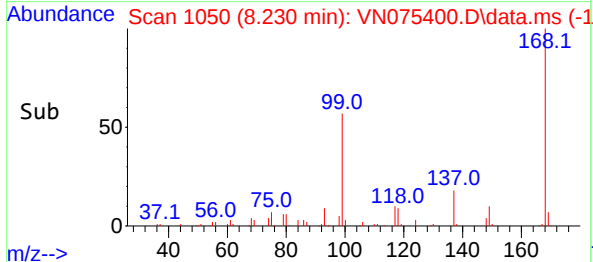
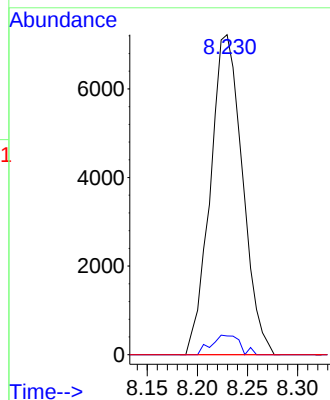


#38
Carbon Tetrachloride
Concen: 5.975 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

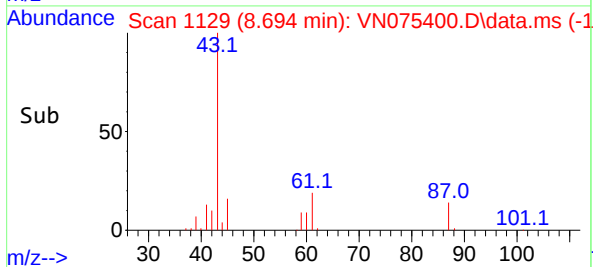
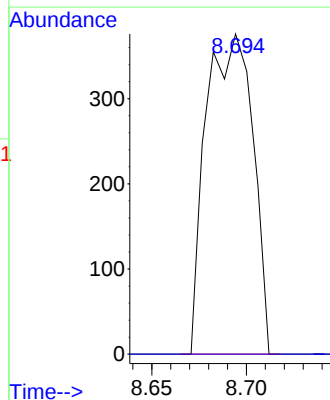
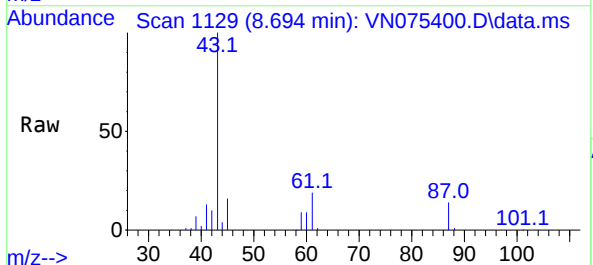


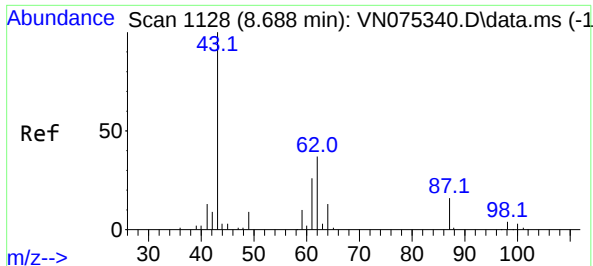
Tgt Ion:117 Resp: 16157
Ion Ratio Lower Upper
117 100
119 5.8 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.256 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.023 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 62 Resp: 647
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

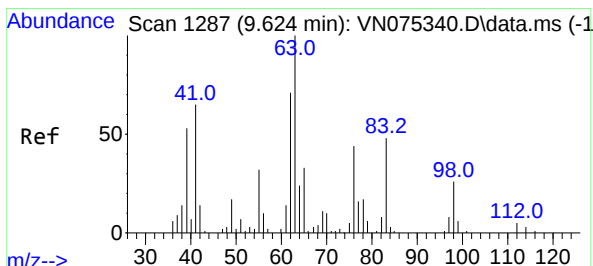
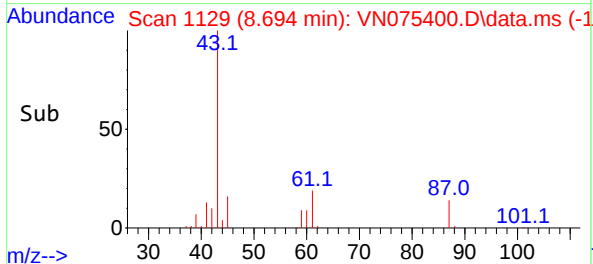
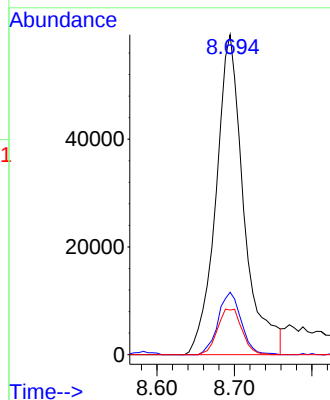
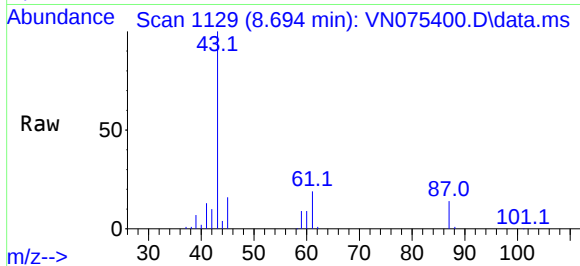




#43
Isopropyl Acetate
Concen: 41.741 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

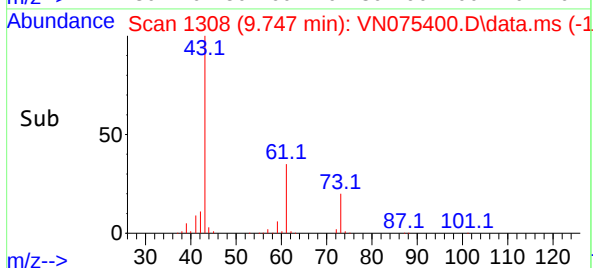
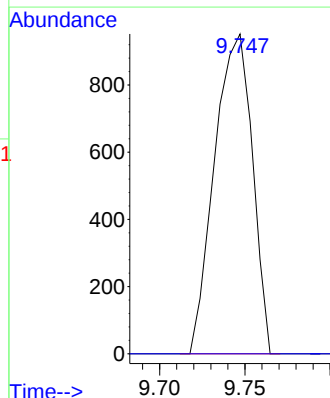
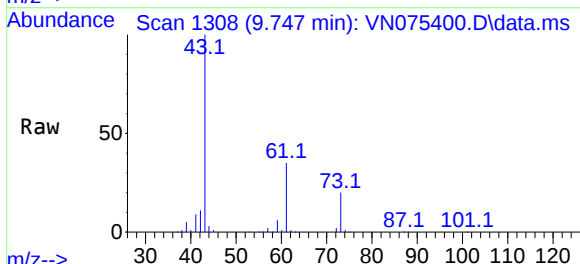
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

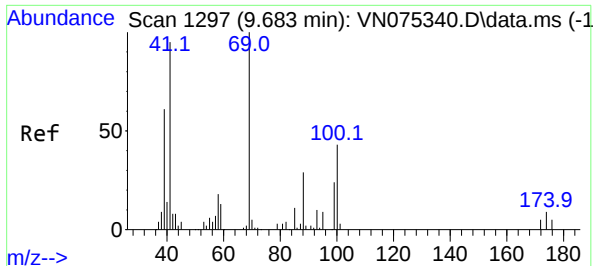
Tgt Ion: 43 Resp: 148497
Ion Ratio Lower Upper
43 100
61 16.2 22.4 33.6#
87 12.5 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.819 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 63 Resp: 1470
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

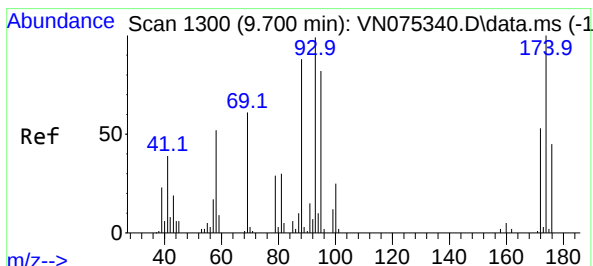
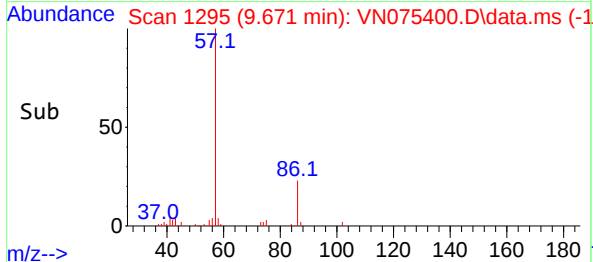
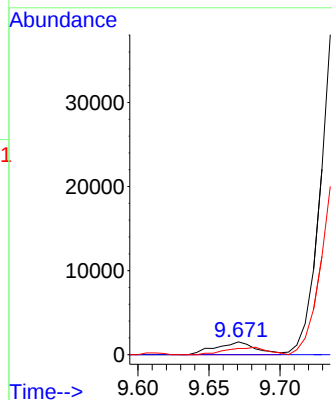
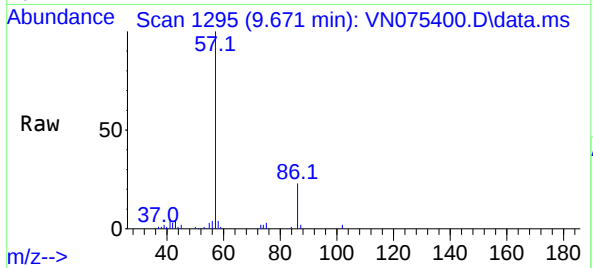




#48
Methyl methacrylate
Concen: 1.819 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

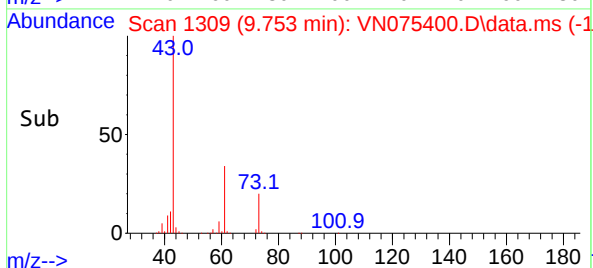
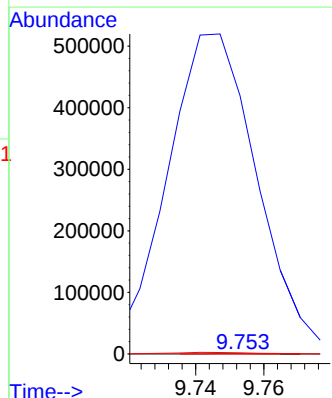
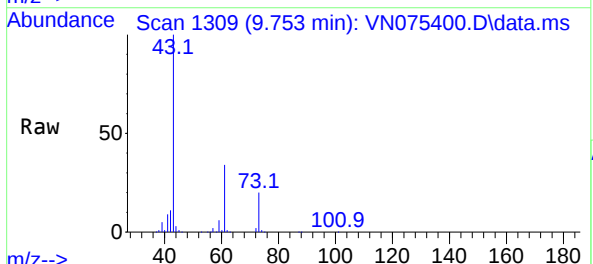
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

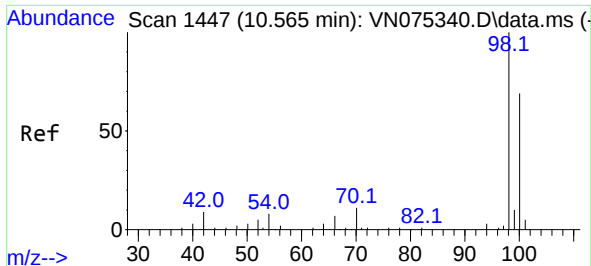
Tgt Ion: 41 Resp: 2993
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 58.0 56.2 84.2



#49
1,4-Dioxane
Concen: 3.340 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 88 Resp: 156
Ion Ratio Lower Upper
88 100
43 621246.2 17.5 26.3#
58 2764.1 49.8 74.8#

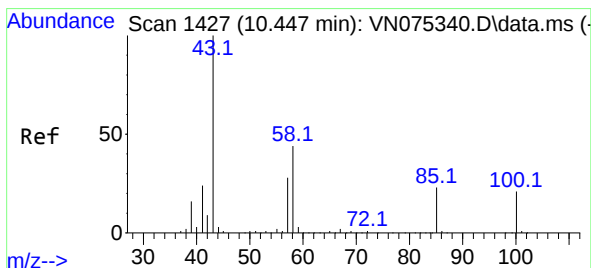
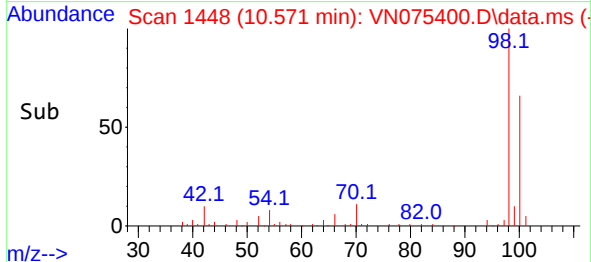
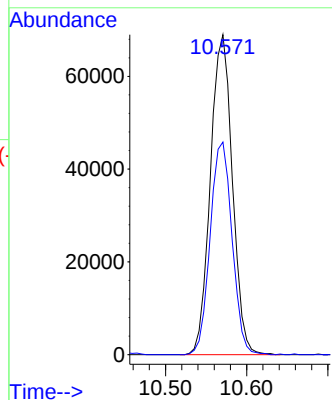
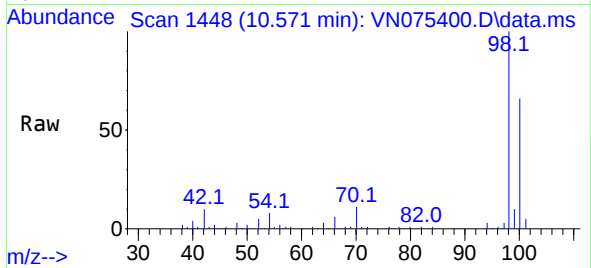




#50
Toluene-d8
Concen: 51.018 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

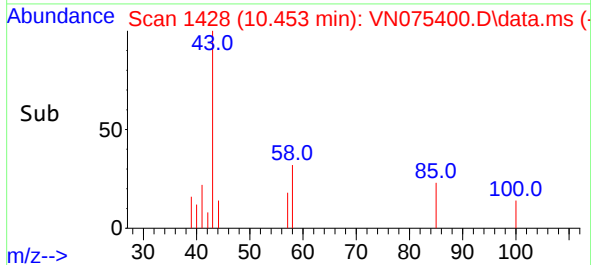
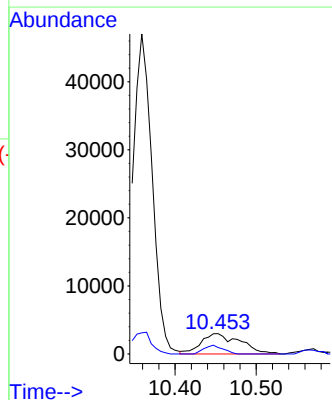
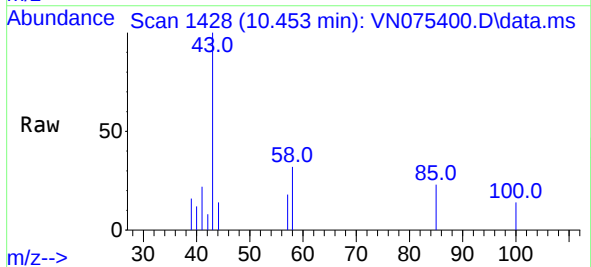
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

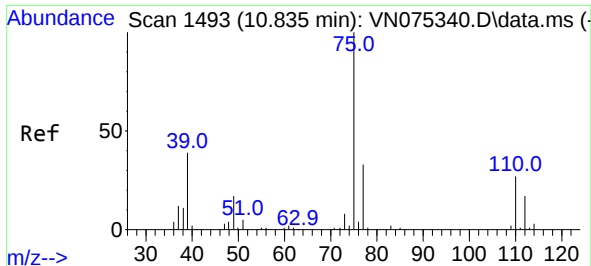
Tgt Ion: 98 Resp: 129698
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 4.439 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 43 Resp: 10058
Ion Ratio Lower Upper
43 100
58 20.5 33.6 50.4#

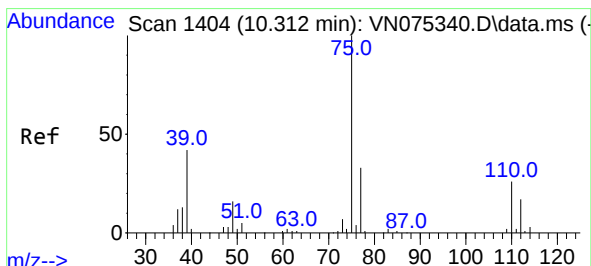
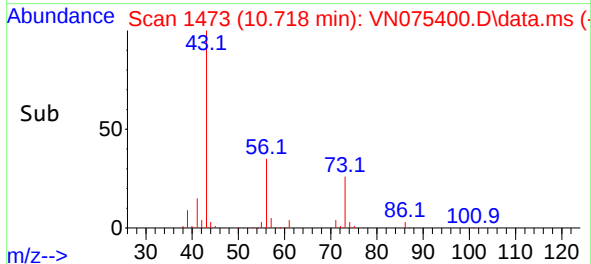
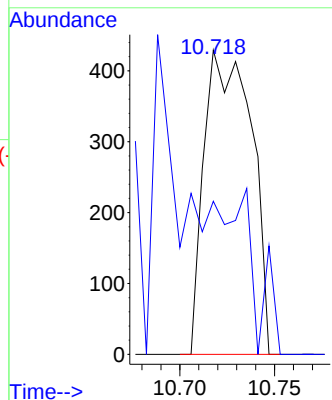
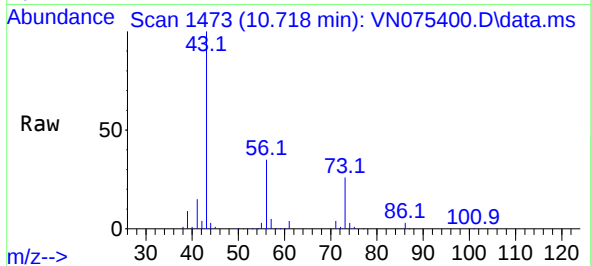




#53
 t-1,3-Dichloropropene
 Concen: 0.282 ug/l
 RT: 10.718 min Scan# 1412
 Delta R.T. -0.117 min
 Lab File: VN075400.D
 Acq: 23 Nov 2022 16:47

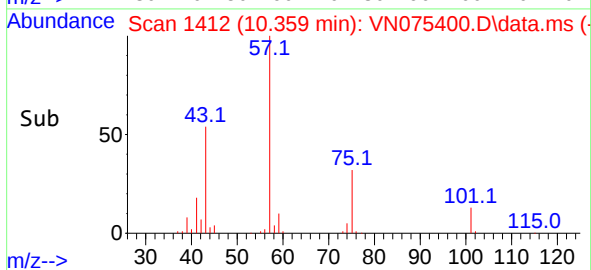
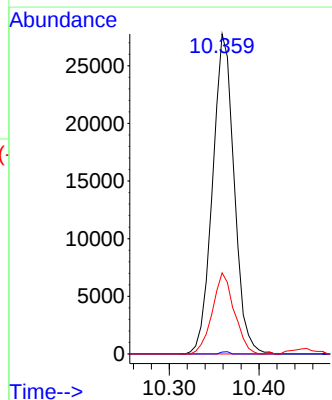
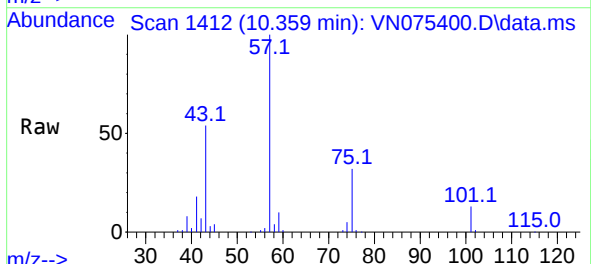
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149245ZHE#03

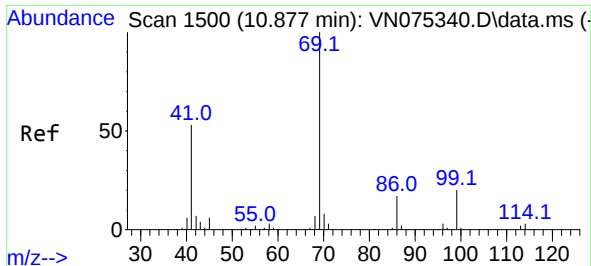
Tgt Ion: 75 Resp: 744
 Ion Ratio Lower Upper
 75 100
 77 50.3 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 16.155 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075400.D
 Acq: 23 Nov 2022 16:47

Tgt Ion: 75 Resp: 46339
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.7 35.5#
 39 25.4 35.8 53.6#

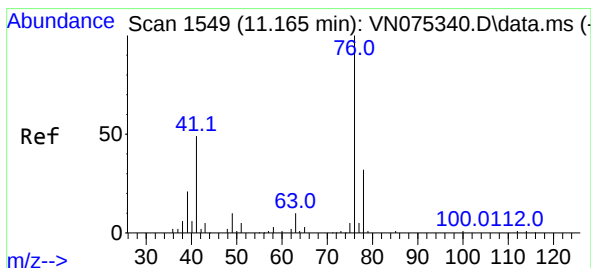
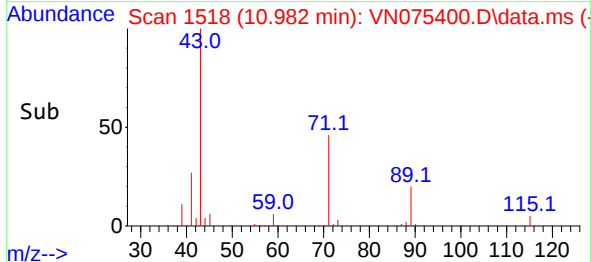
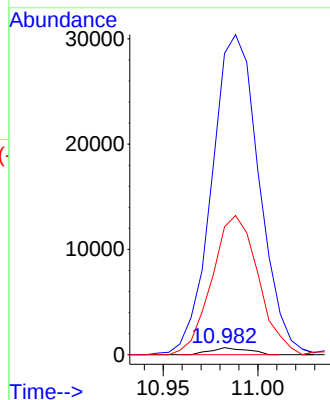
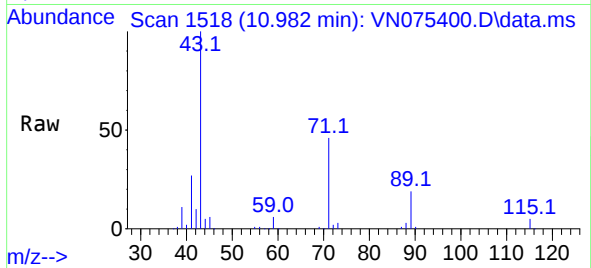




#56
Ethyl methacrylate
Concen: 0.338 ug/l
RT: 10.982 min Scan# 1156
Delta R.T. 0.105 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

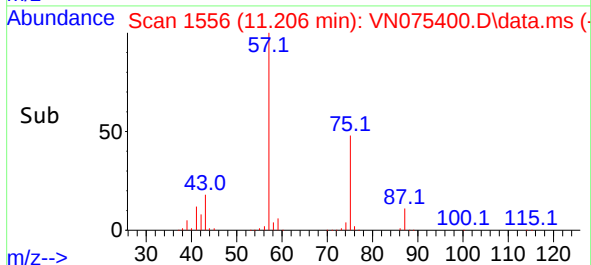
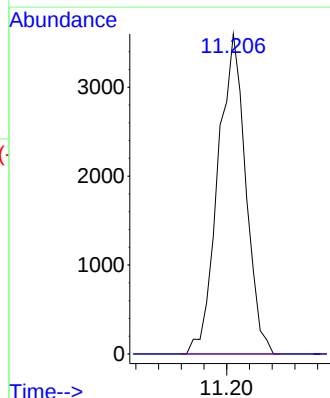
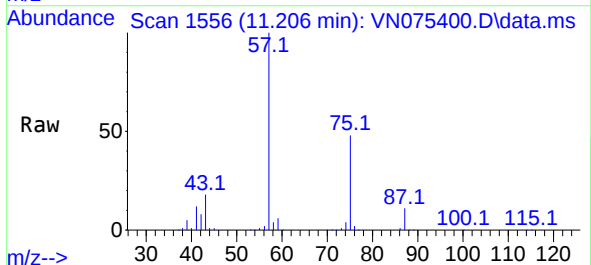
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

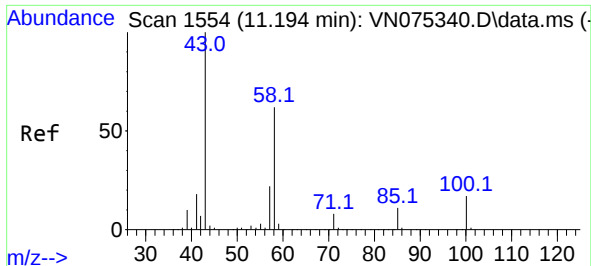
Tgt Ion: 69 Resp: 903
Ion Ratio Lower Upper
69 100
41 5898.0 45.6 68.4#
39 2509.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.890 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 76 Resp: 6096
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

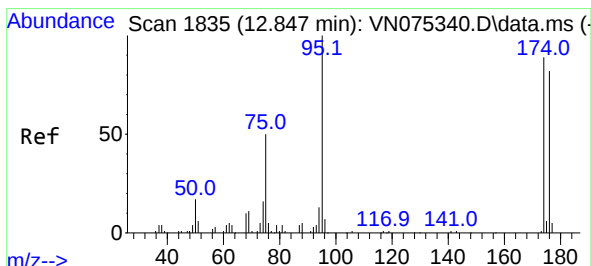
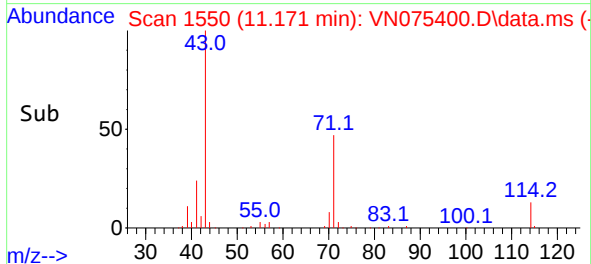
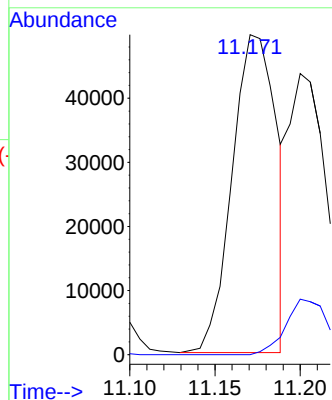
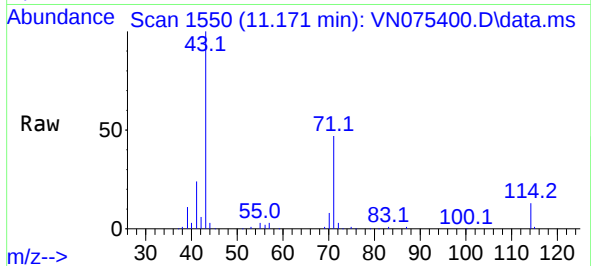




#59
2-Hexanone
Concen: 52.611 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.023 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

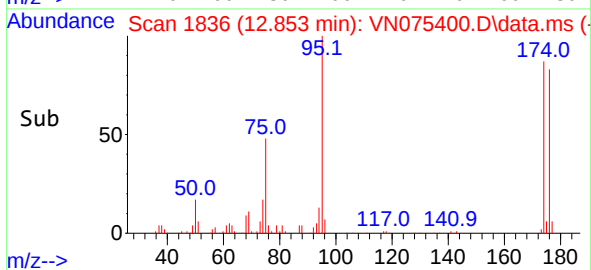
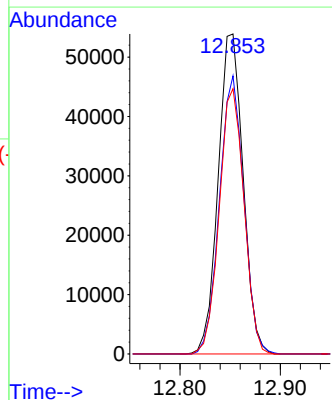
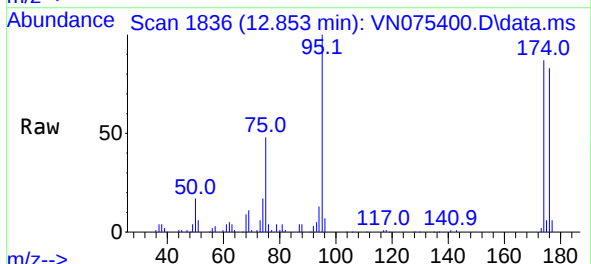
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

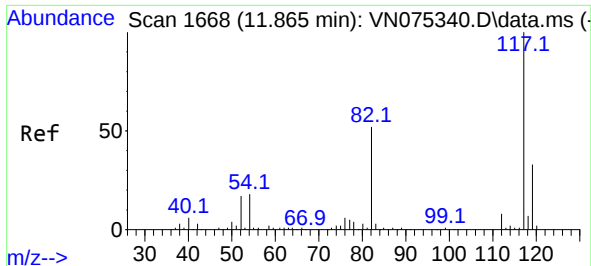
Tgt Ion: 43 Resp: 89516
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.513 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion: 95 Resp: 92906
Ion Ratio Lower Upper
95 100
174 84.9 0.0 147.4
176 82.1 0.0 142.2

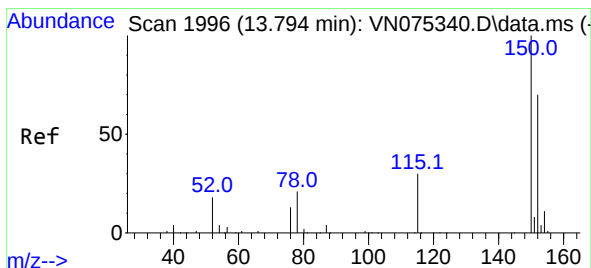
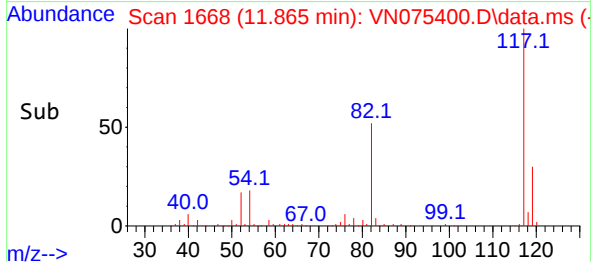
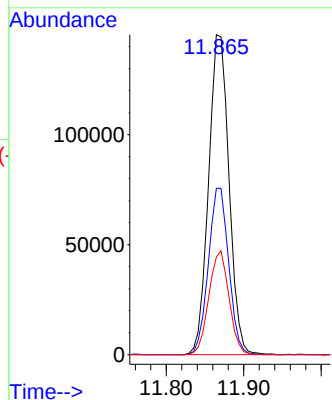
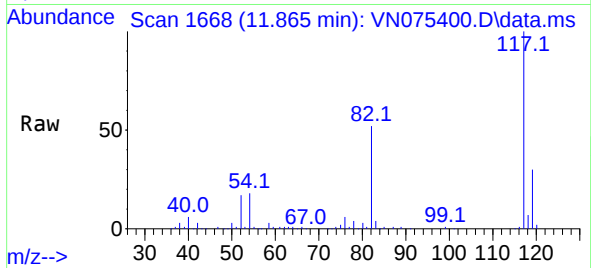




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

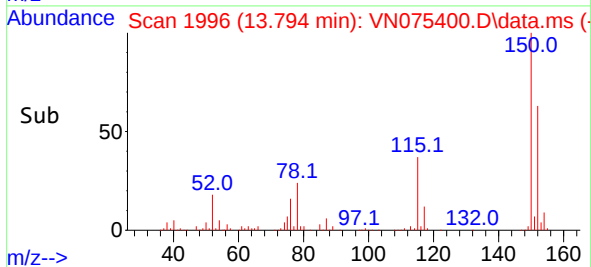
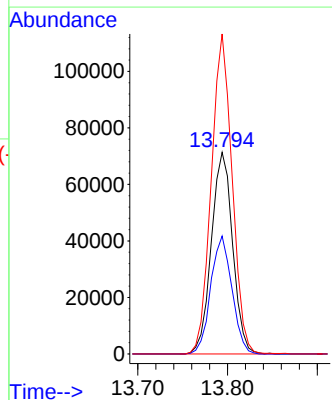
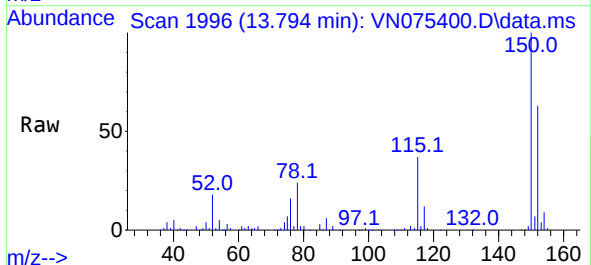
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

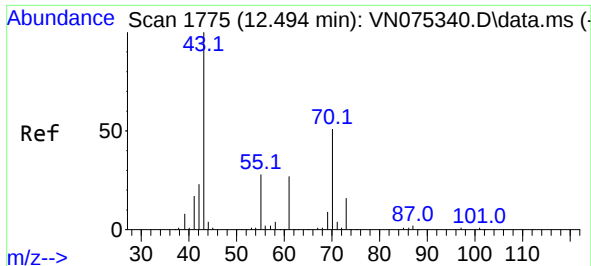
Tgt Ion:117 Resp: 266276
Ion Ratio Lower Upper
117 100
82 52.0 43.1 64.7
119 30.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Tgt Ion:152 Resp: 117524
Ion Ratio Lower Upper
152 100
115 58.2 30.2 90.6
150 155.5 0.0 348.4

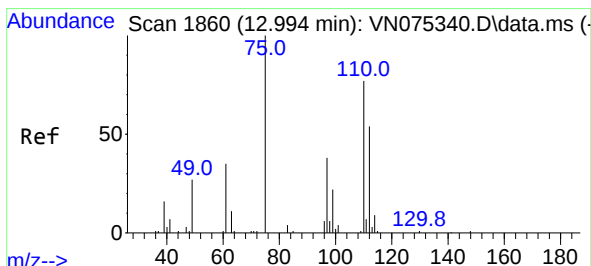
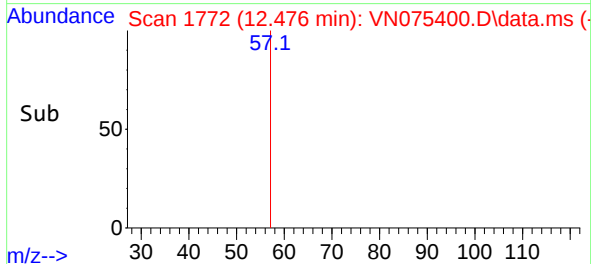
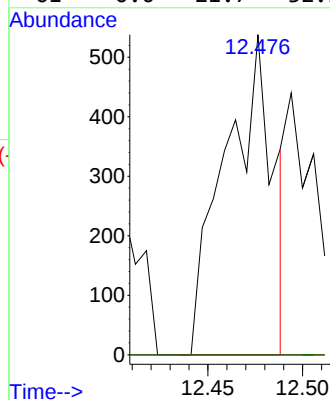
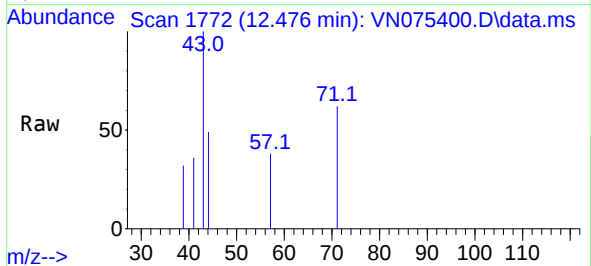




#74
N-amy1 acetate
Concen: 0.360 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

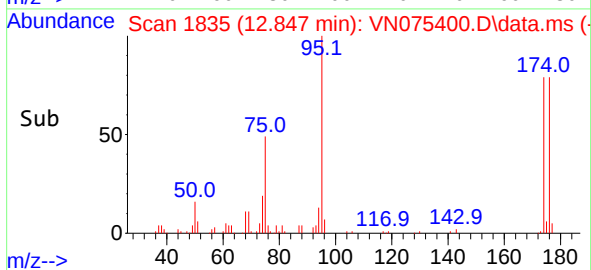
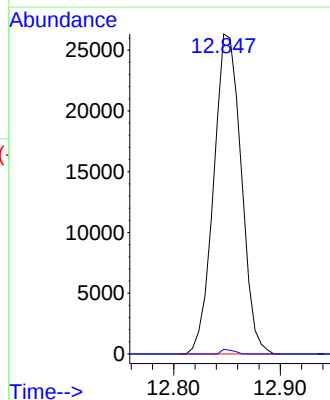
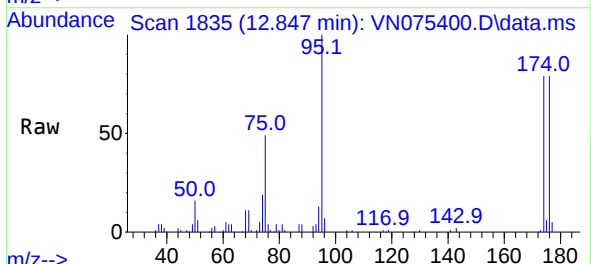
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03

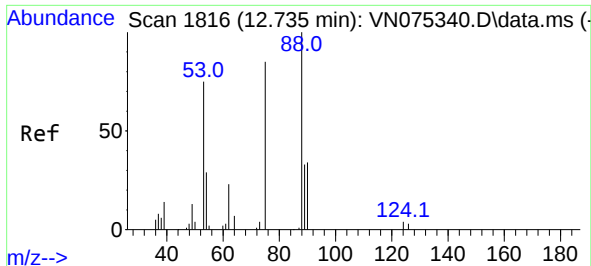
Tgt Ion: 43	Resp:	950
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 21.224 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

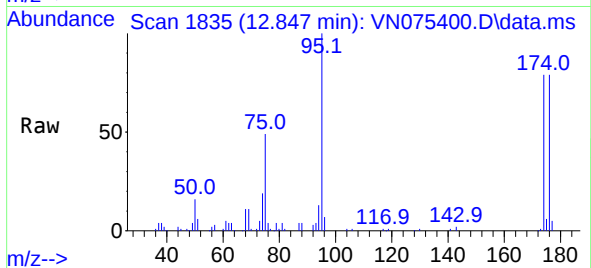
Tgt Ion: 75	Resp:	47162
Ion	Ratio	Lower Upper
75	100	
77	0.7	75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.798 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075400.D
Acq: 23 Nov 2022 16:47

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#03



Tgt Ion: 75 Resp: 47162
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

