

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075614.D
 Acq On : 07 Dec 2022 18:19
 Operator : JC\MD
 Sample : PB149441TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149441TB

Quant Time: Dec 08 00:22:58 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)

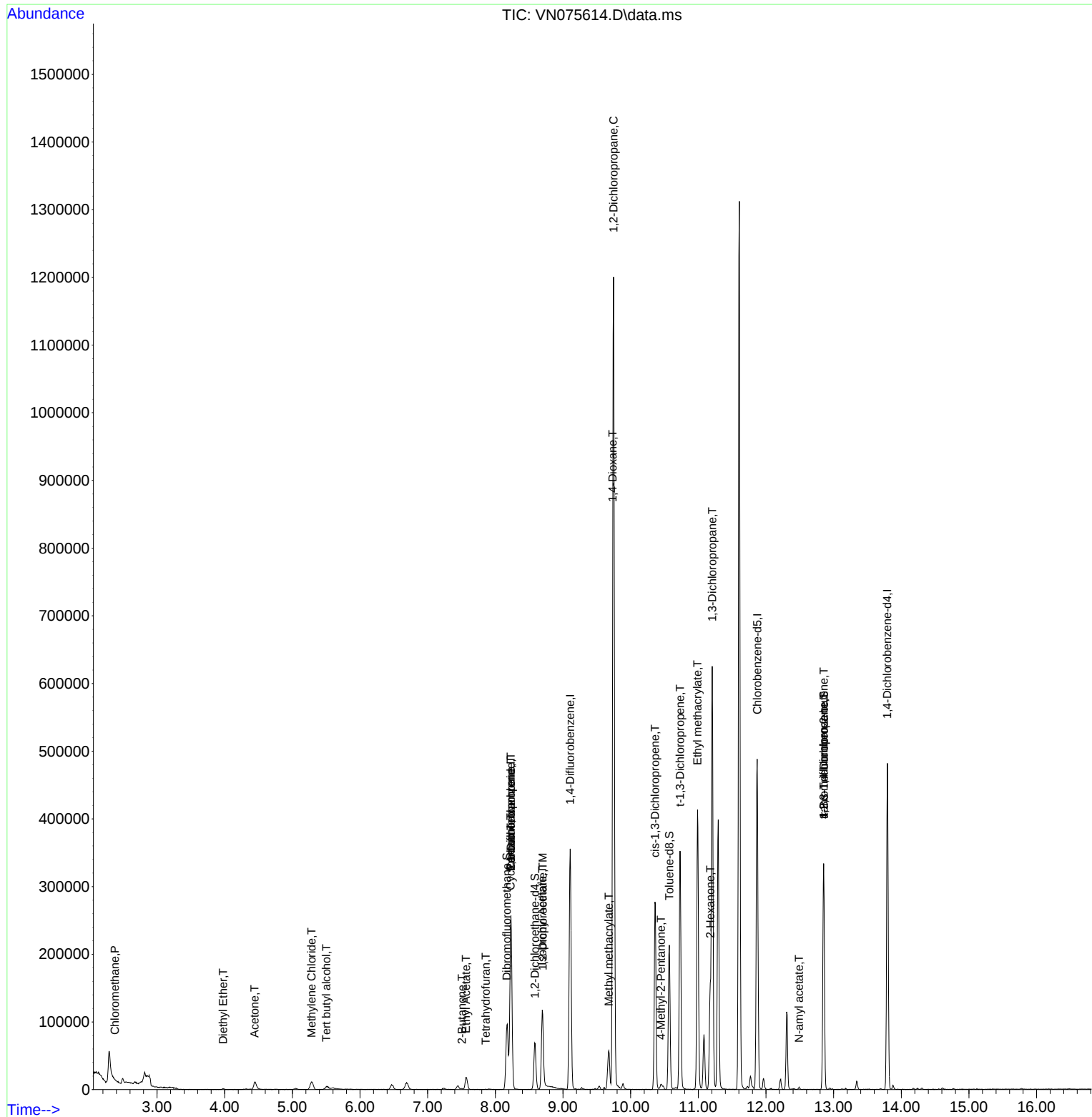
Internal Standards						
1) Pentafluorobenzene	8.230	168	199588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	331219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	304479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	55529	51.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.660%			
35) Dibromofluoromethane	8.171	113	69790	53.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.280%			
50) Toluene-d8	10.571	98	152434	52.016	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.853	95	112263	51.900	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.800%			
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	600	0.316	ug/l #	42
8) Diethyl Ether	3.977	74	734	0.613	ug/l	84
11) Tert butyl alcohol	5.500	59	5165	11.484	ug/l #	72
16) Acetone	4.442	43	20828	20.842	ug/l #	87
18) Methyl Acetate	5.048	43	3059	Below Cal	#	82
20) Methylene Chloride	5.283	84	10242	3.874	ug/l #	89
25) 2-Butanone	7.506	43	1980	1.419	ug/l #	88
29) Tetrahydrofuran	7.859	42	276	0.325	ug/l #	26
31) Cyclohexane	8.224	56	3656	1.074	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	13823	4.872	ug/l #	50
37) Ethyl Acetate	7.565	43	26889	10.524	ug/l	98
38) Carbon Tetrachloride	8.230	117	19465	6.245	ug/l #	17
42) 1,2-Dichloroethane	8.700	62	792	0.272	ug/l #	75
43) Isopropyl Acetate	8.694	43	128477	31.328	ug/l #	92
45) 1,2-Dichloropropane	9.747	63	1820	0.879	ug/l #	42
48) Methyl methacrylate	9.677	41	3231	1.704	ug/l #	35
49) 1,4-Dioxane	9.735	88	123	2.284	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9757	3.735	ug/l #	69
53) t-1,3-Dichloropropene	10.729	75	1059	0.348	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	57132	17.279	ug/l #	61
56) Ethyl methacrylate	10.988	69	1328	0.431	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7149	1.923	ug/l #	42
59) 2-Hexanone	11.177	43	104432	53.244	ug/l #	21
74) N-amyl acetate	12.488	43	1660	0.532	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	56760	21.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	56760	63.947	ug/l #	10

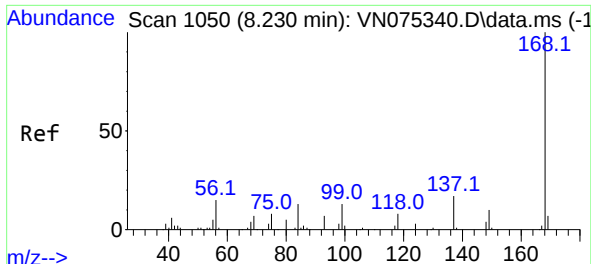
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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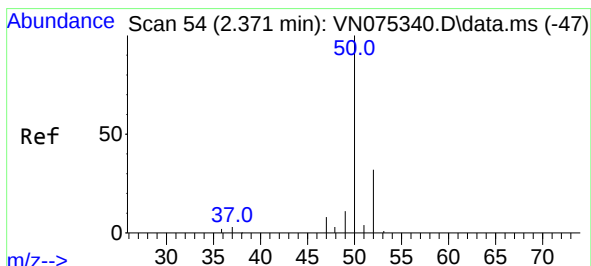
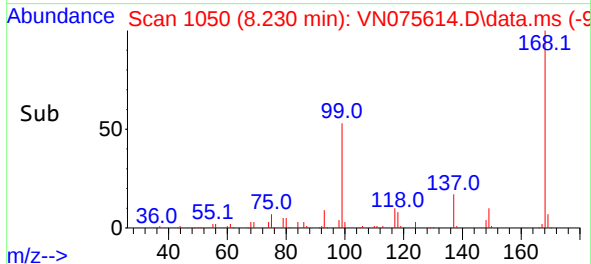
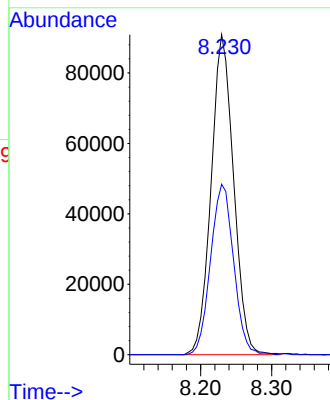
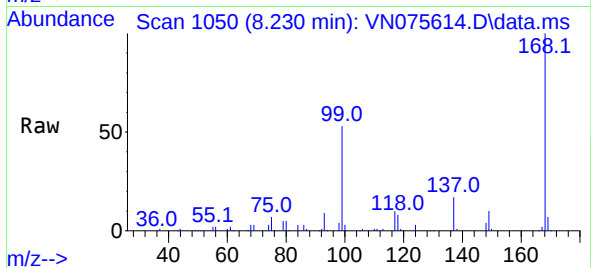




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

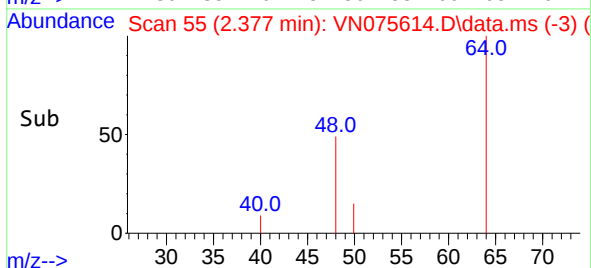
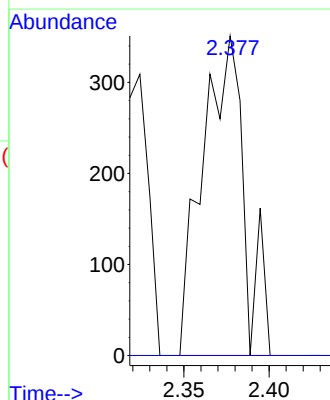
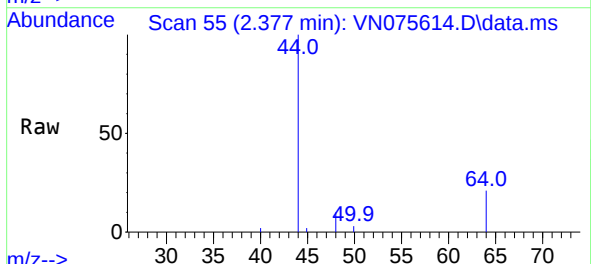
Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

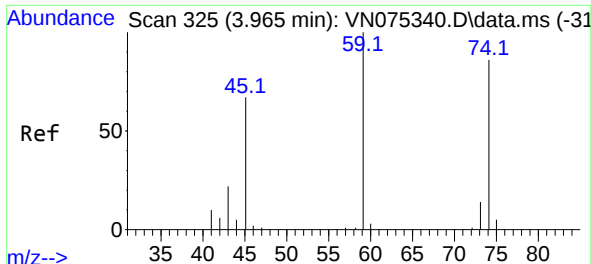
Tgt Ion:168 Resp: 199588
Ion Ratio Lower Upper
168 100
99 53.2 51.6 77.4



#3
Chloromethane
Concen: 0.316 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 50 Resp: 600
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

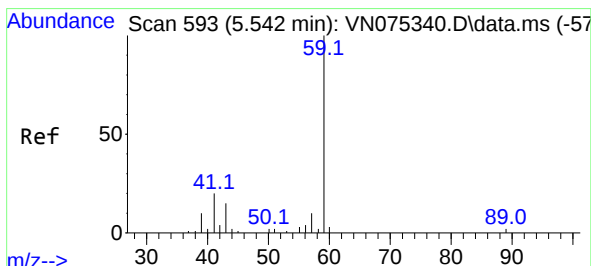
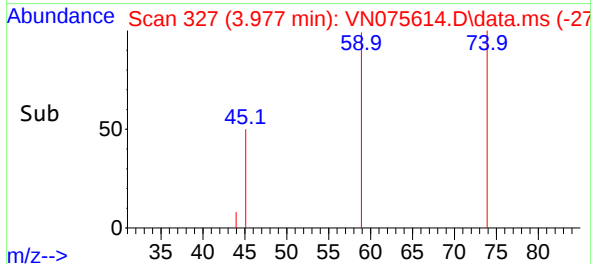
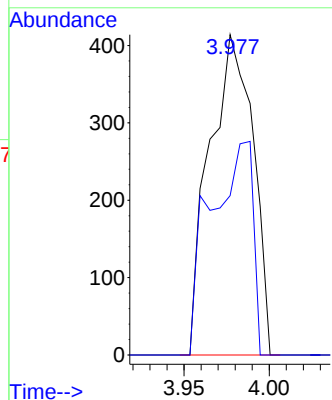
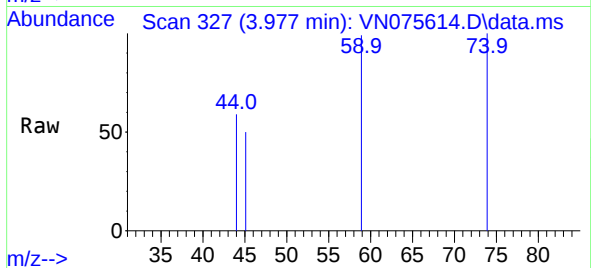




#8
Diethyl Ether
Concen: 0.613 ug/l
RT: 3.977 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

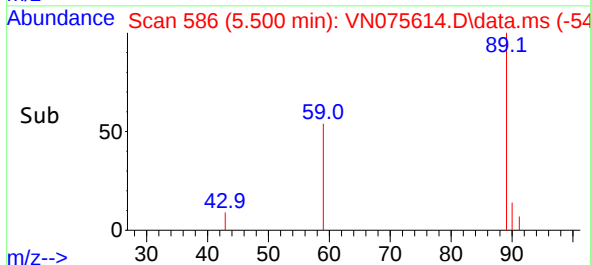
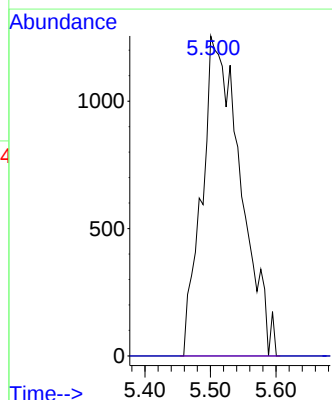
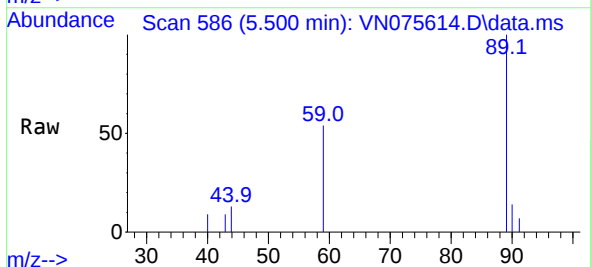
Instrument :
MSVOA_N
ClientSampleId :
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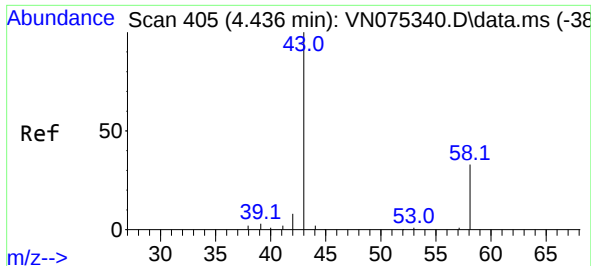
Tgt Ion: 74 Resp: 734
Ion Ratio Lower Upper
74 100
45 64.3 39.3 117.9



#11
Tert butyl alcohol
Concen: 11.484 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 59 Resp: 5165
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

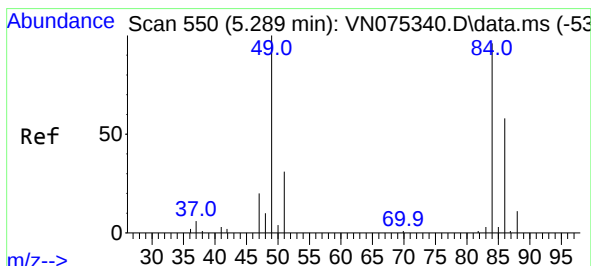
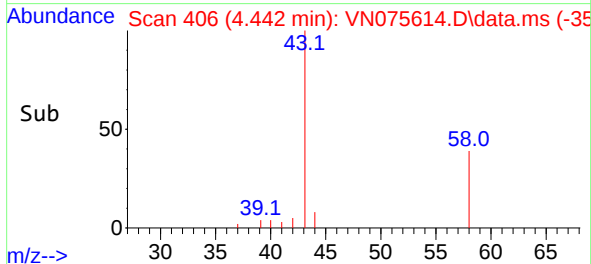
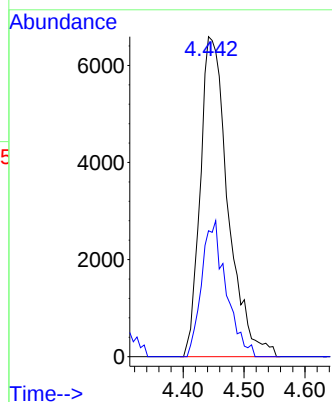
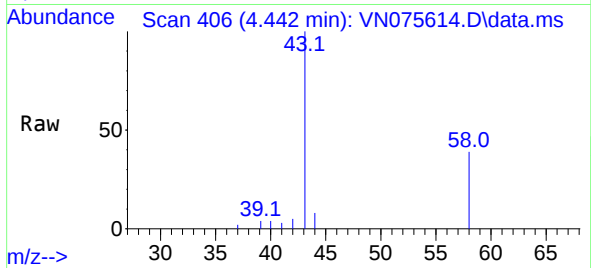




#16
Acetone
Concen: 20.842 ug/l
RT: 4.442 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

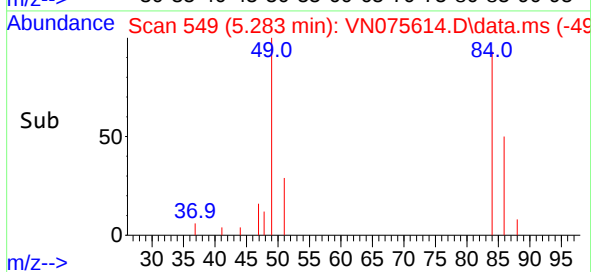
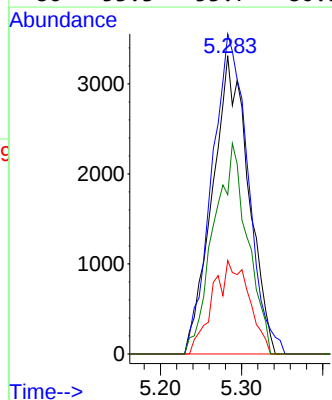
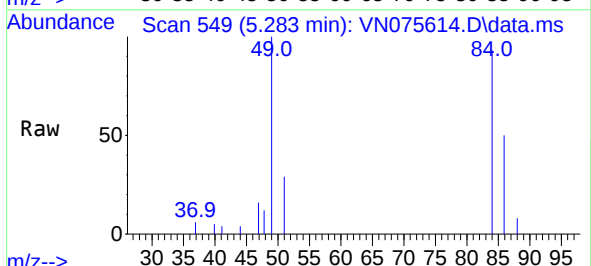
Instrument :
MSVOA_N
ClientSampleId :
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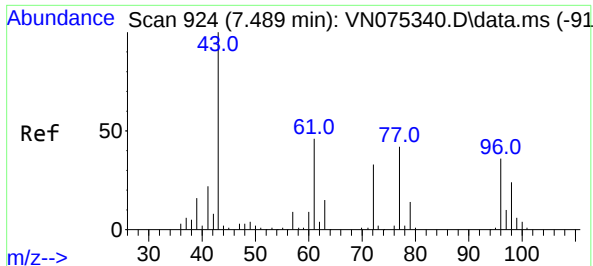
Tgt Ion: 43 Resp: 20828
Ion Ratio Lower Upper
43 100
58 39.4 25.5 38.3#



#20
Methylene Chloride
Concen: 3.874 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 84 Resp: 10242
Ion Ratio Lower Upper
84 100
49 107.3 94.9 142.3
51 31.3 26.8 40.2
86 53.3 53.7 80.5#

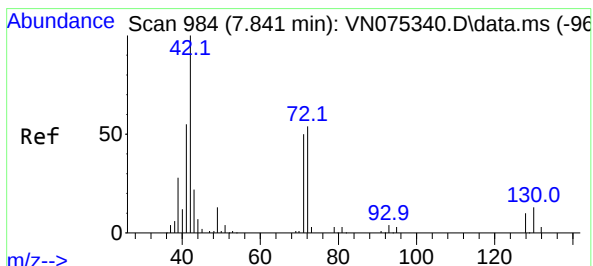
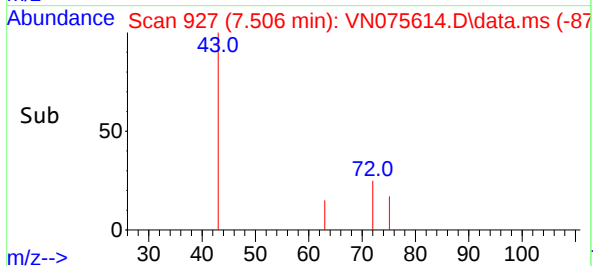
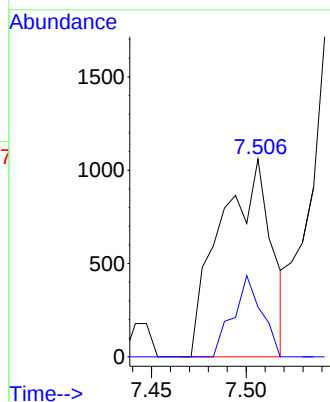
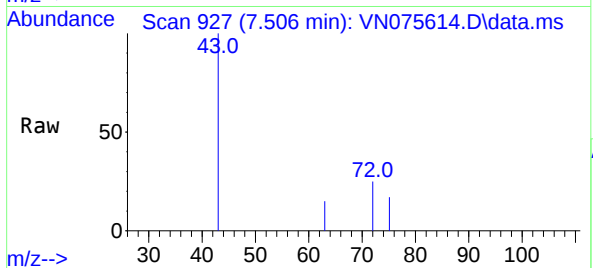




#25
2-Butanone
Concen: 1.419 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

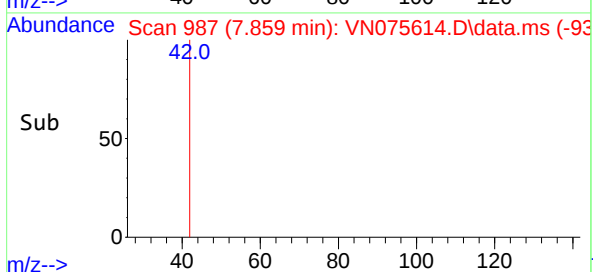
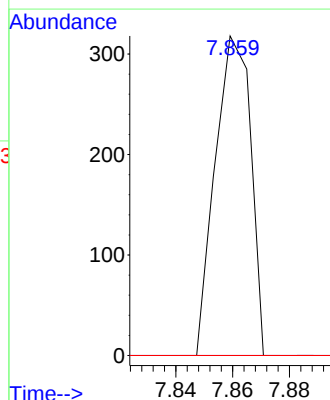
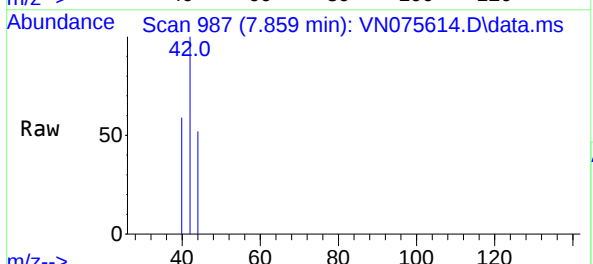
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ClientSampleId :
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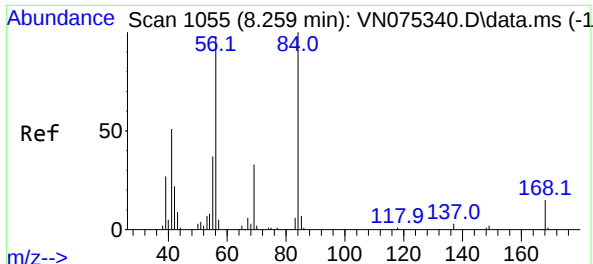
Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
72 25.1 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.325 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.018 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

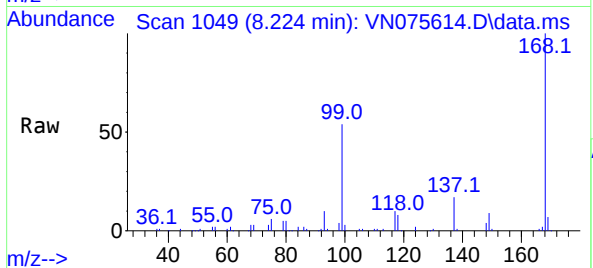
Tgt Ion: 42 Resp: 276
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



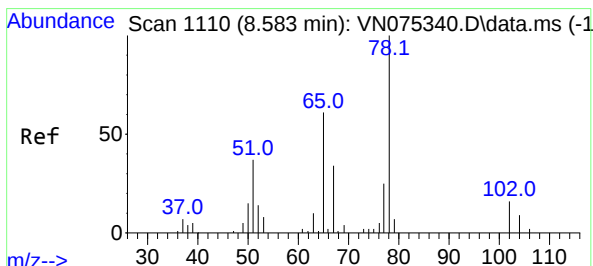
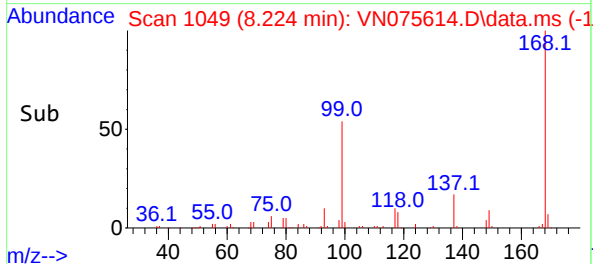
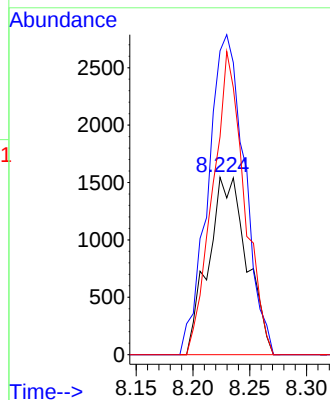


#31
Cyclohexane
Concen: 1.074 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

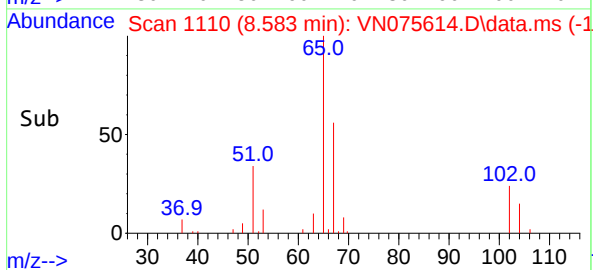
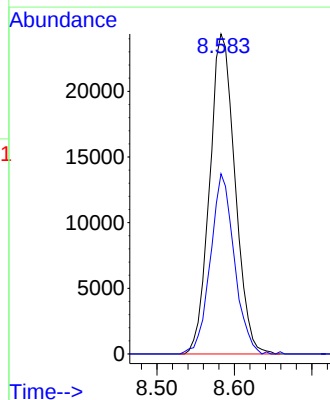
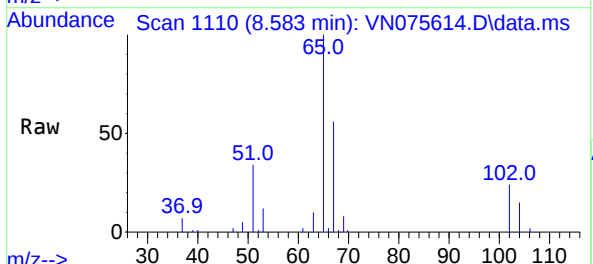


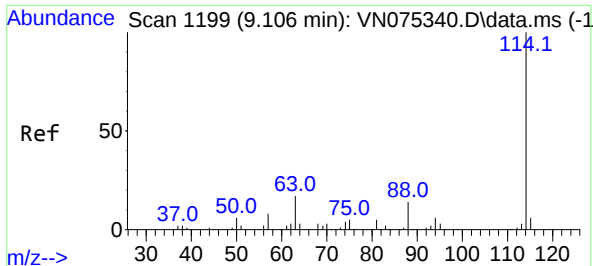
Tgt Ion: 56 Resp: 3656
Ion Ratio Lower Upper
56 100
69 171.3 25.2 37.8#
84 122.8 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 51.830 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 65 Resp: 55529
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.0

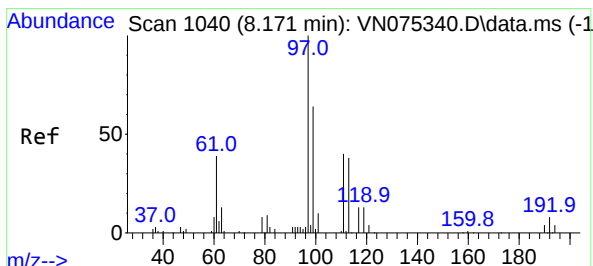
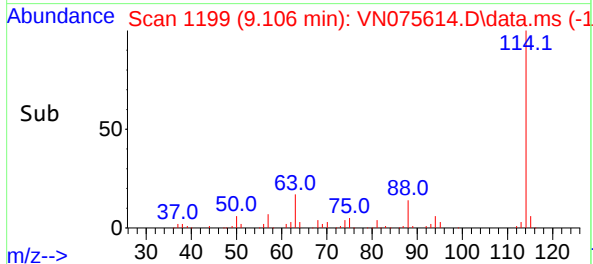
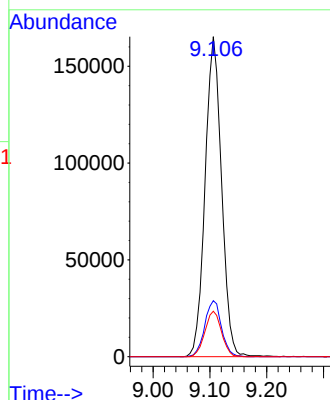
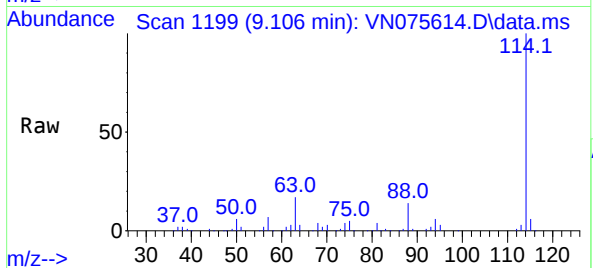




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

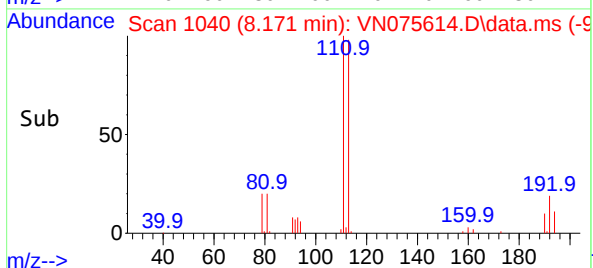
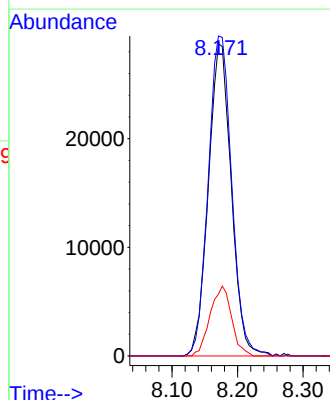
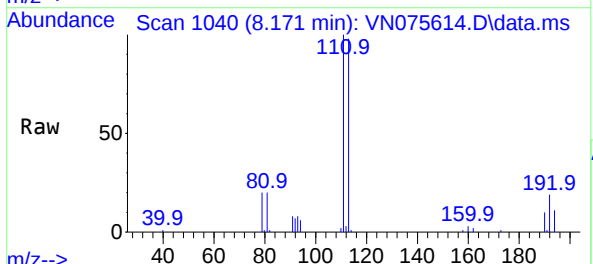
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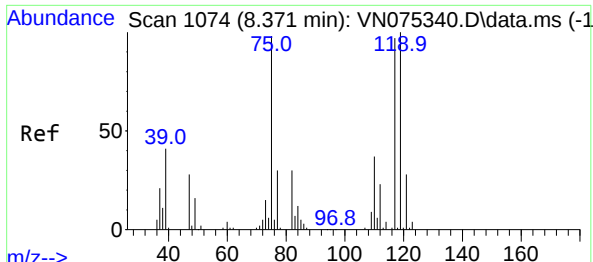
Tgt Ion:114 Resp: 331219
Ion Ratio Lower Upper
114 100
63 17.5 0.0 39.6
88 14.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.638 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion:113 Resp: 69790
Ion Ratio Lower Upper
113 100
111 104.9 80.5 120.7
192 21.0 13.2 19.8#

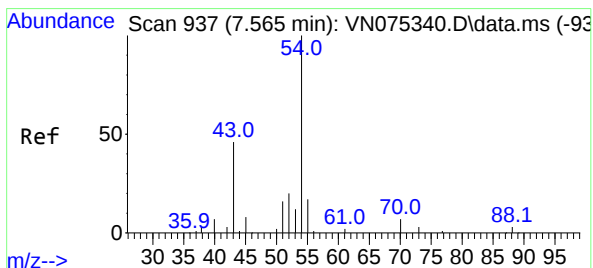
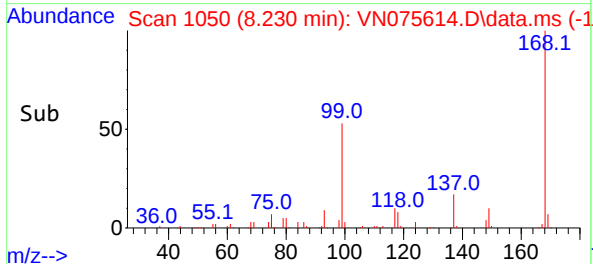
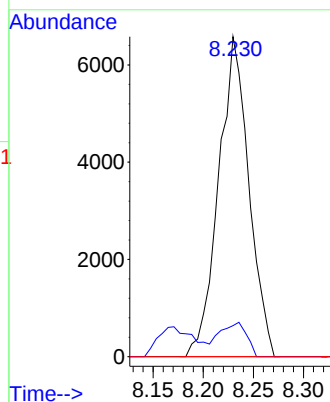
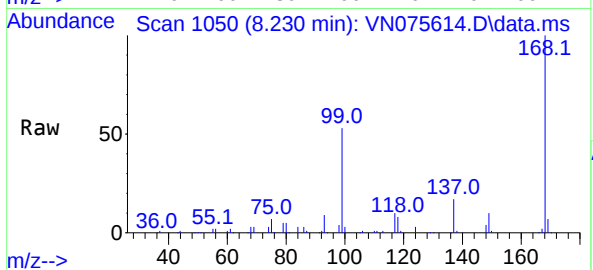




#36
1,1-Dichloropropene
Concen: 4.872 ug/l
RT: 8.230 min Scan# 1074
Delta R.T. -0.141 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

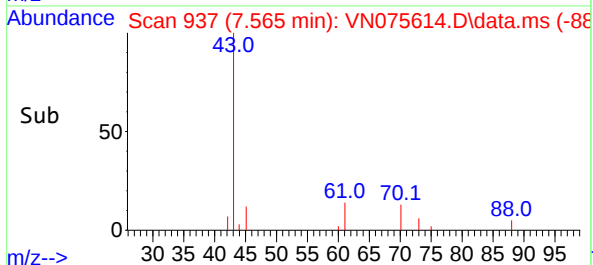
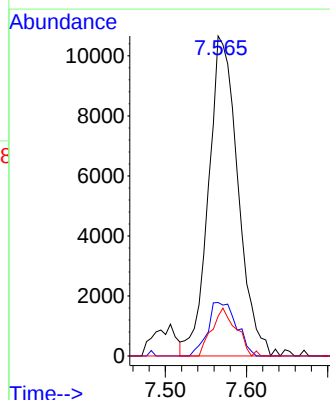
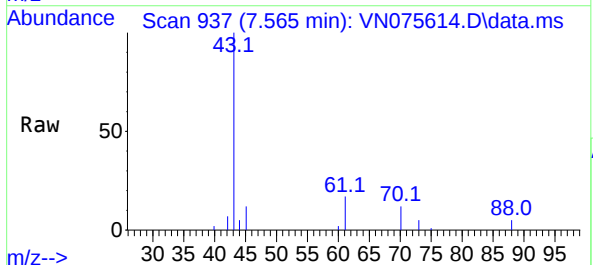
Instrument :
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ClientSampleId :
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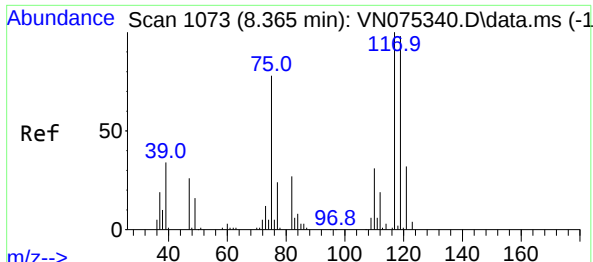
Tgt Ion: 75 Resp: 13823
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 10.524 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.000 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

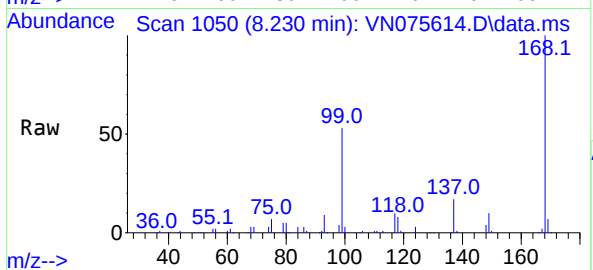
Tgt Ion: 43 Resp: 26889
Ion Ratio Lower Upper
43 100
61 16.4 12.2 18.4
70 12.3 9.4 14.2



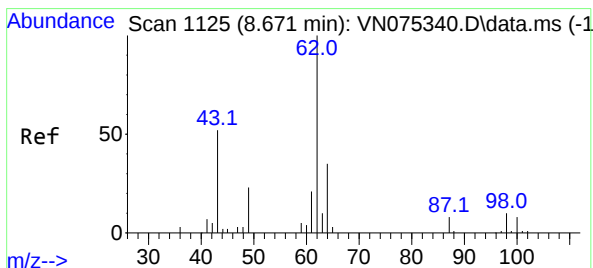
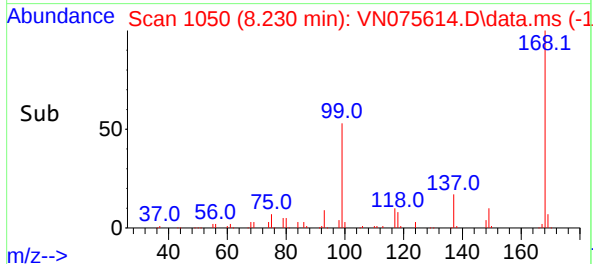
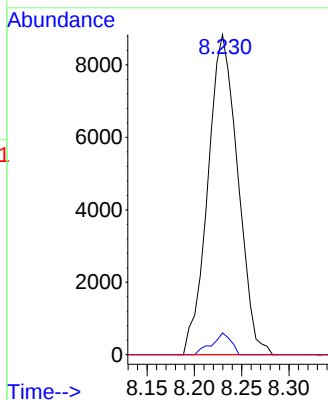


#38
Carbon Tetrachloride
Concen: 6.245 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

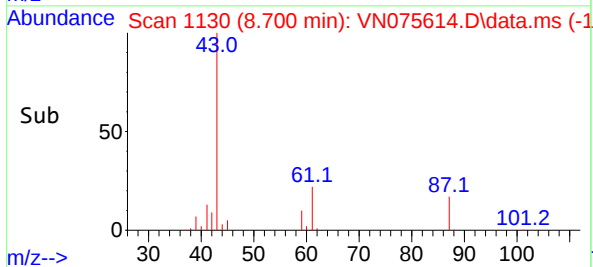
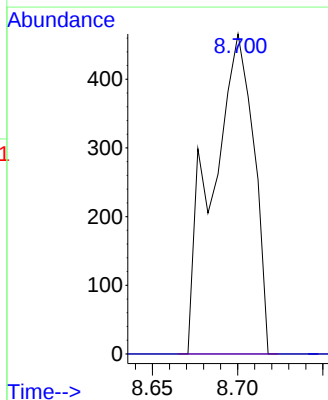
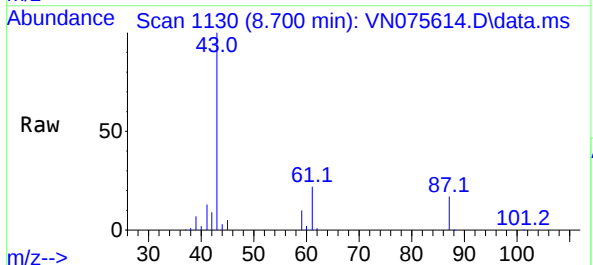


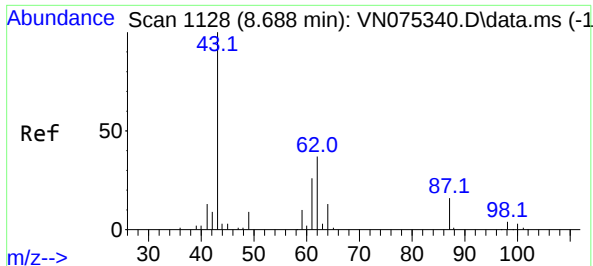
Tgt Ion:117 Resp: 19465
Ion Ratio Lower Upper
117 100
119 6.8 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.272 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.029 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 62 Resp: 792
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

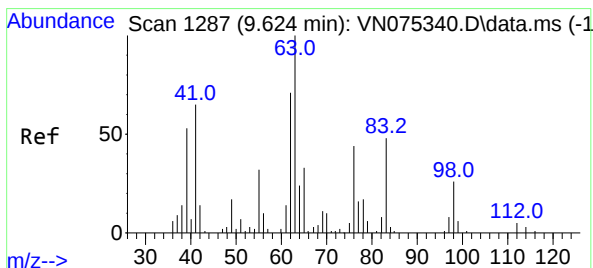
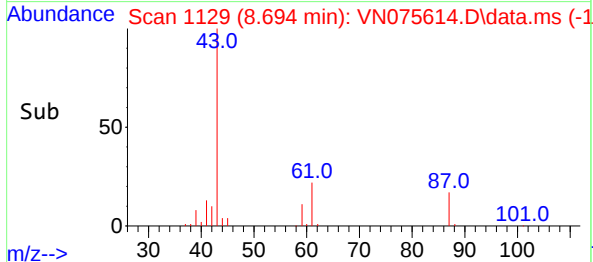
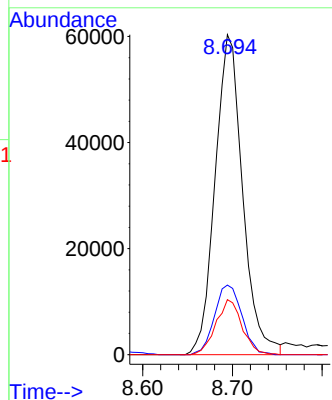
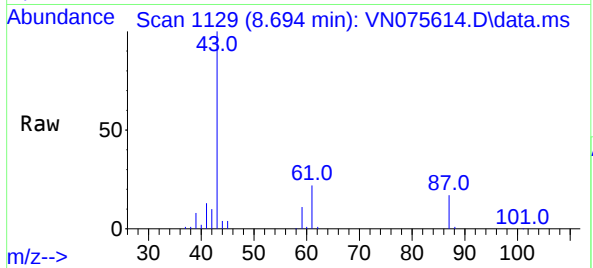




#43
Isopropyl Acetate
Concen: 31.328 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

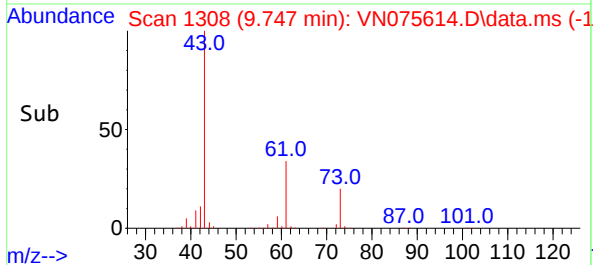
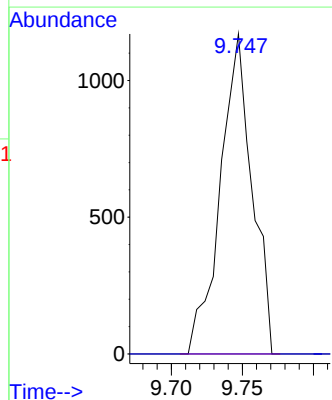
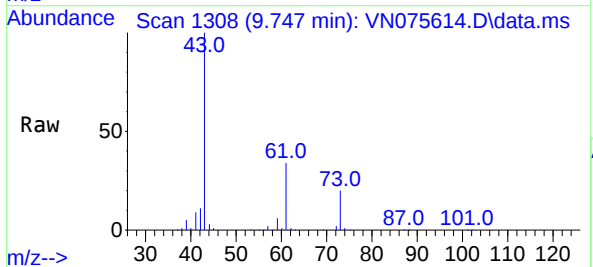
Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

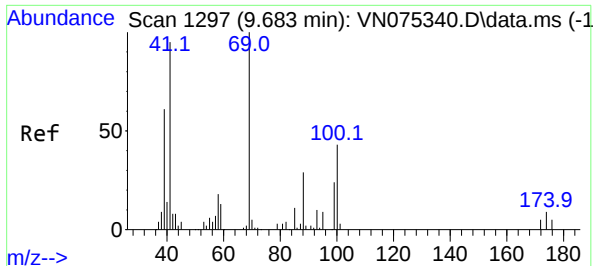
Tgt Ion: 43 Resp: 128477
Ion Ratio Lower Upper
43 100
61 21.7 22.4 33.6#
87 16.3 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.879 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 63 Resp: 1820
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

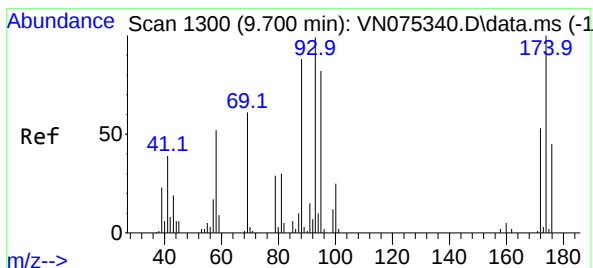
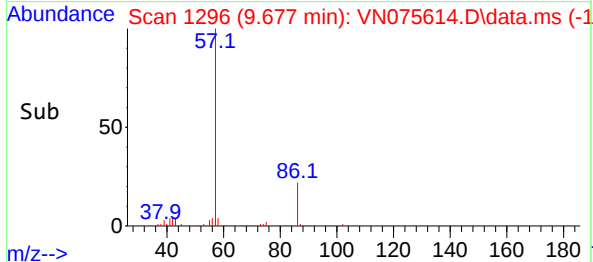
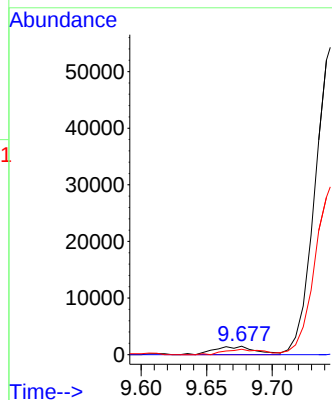
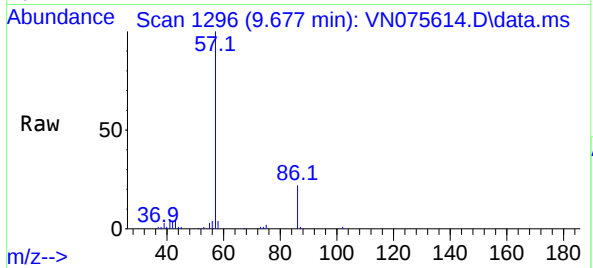




#48
Methyl methacrylate
Concen: 1.704 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

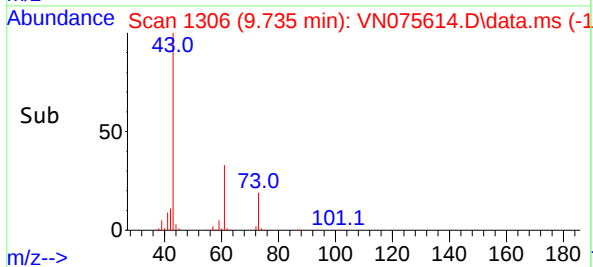
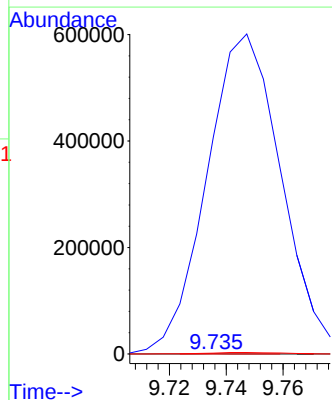
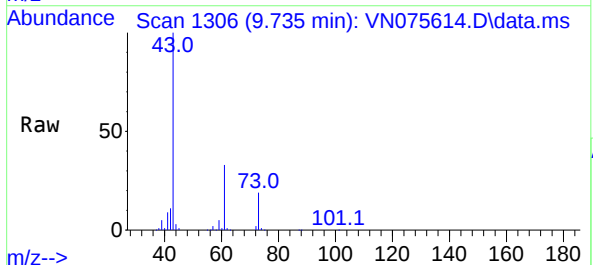
Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

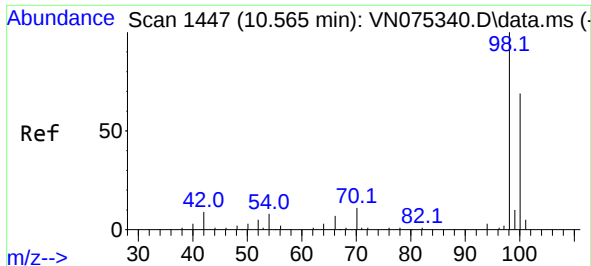
Tgt Ion: 41 Resp: 3231
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 58.4 56.2 84.2



#49
1,4-Dioxane
Concen: 2.284 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.035 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 897665.0 17.5 26.3#
58 3966.7 49.8 74.8#

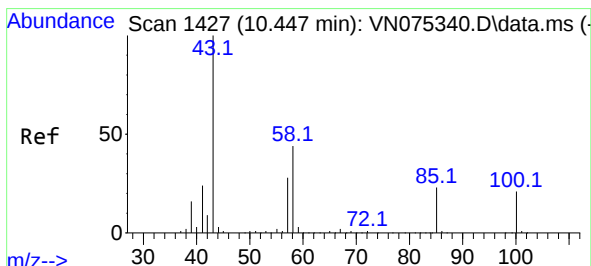
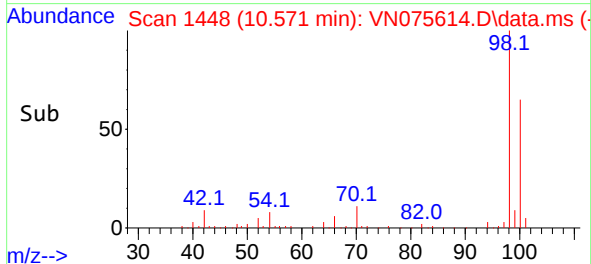
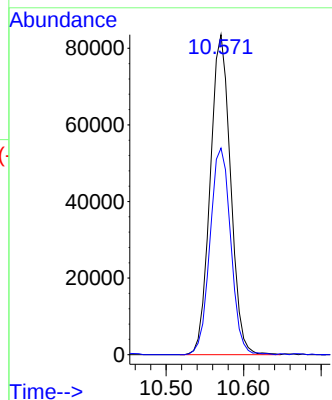
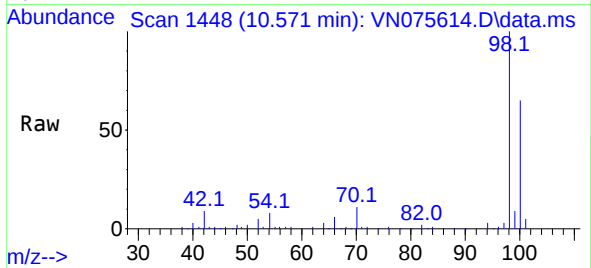




#50
Toluene-d8
Concen: 52.016 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

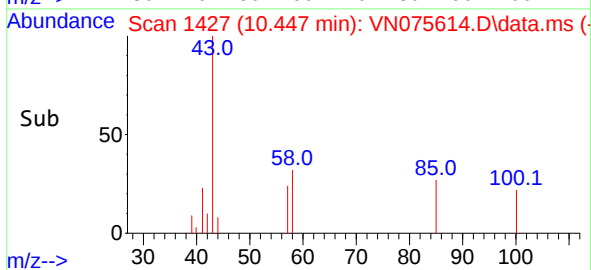
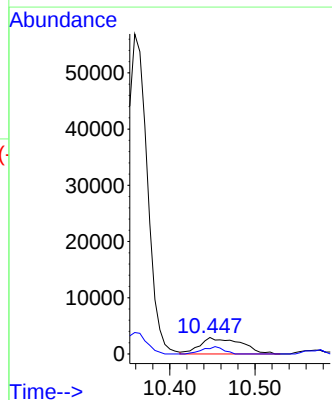
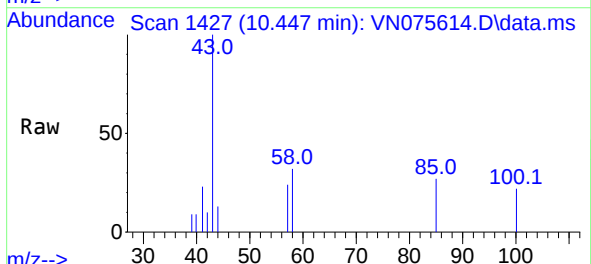
Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

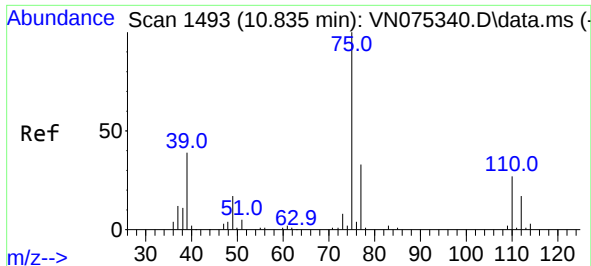
Tgt Ion: 98 Resp: 152434
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 3.735 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 43 Resp: 9757
Ion Ratio Lower Upper
43 100
58 22.5 33.6 50.4#

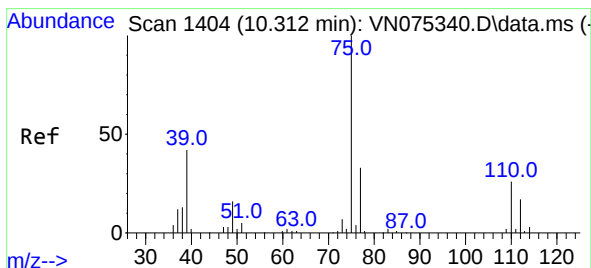
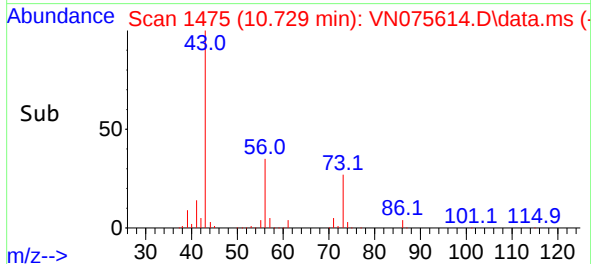
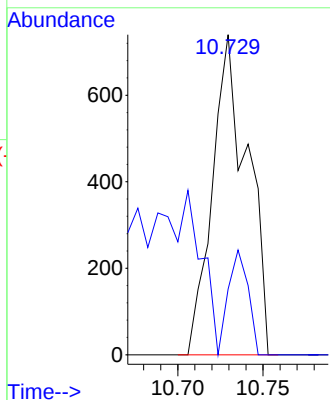
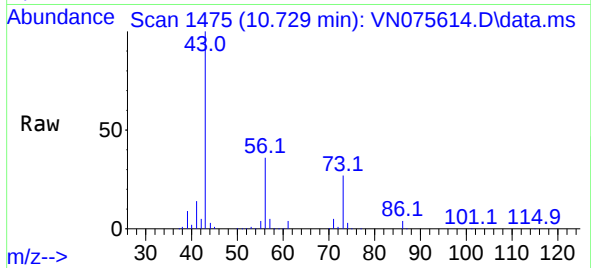




#53
t-1,3-Dichloropropene
Concen: 0.348 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

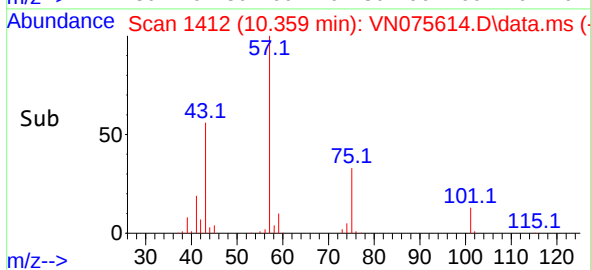
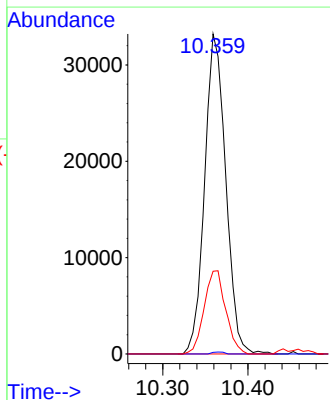
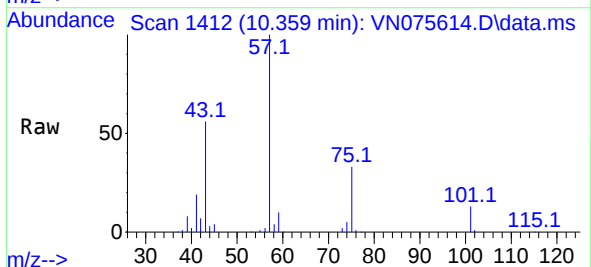
Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

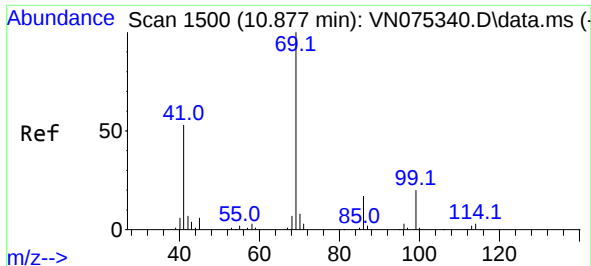
Tgt Ion: 75 Resp: 1059
Ion Ratio Lower Upper
75 100
77 20.5 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 17.279 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 75 Resp: 57132
Ion Ratio Lower Upper
75 100
77 0.5 23.7 35.5#
39 25.8 35.8 53.6#

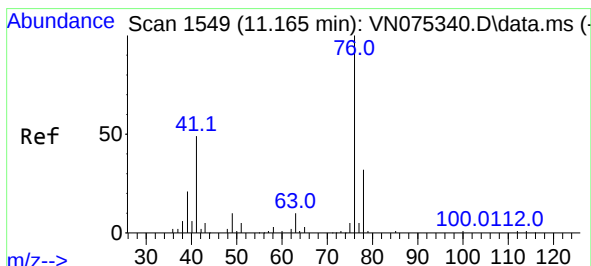
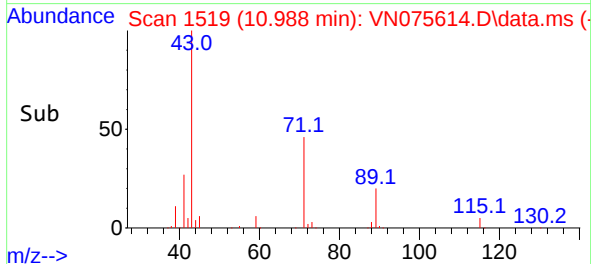
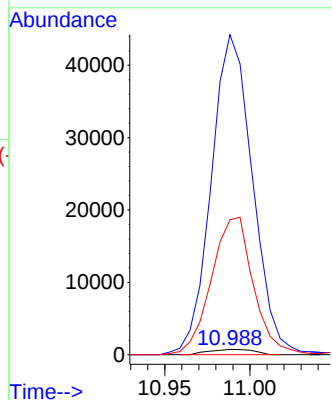
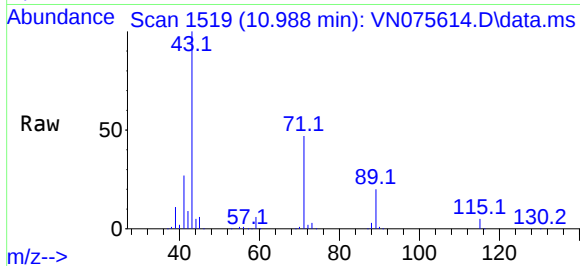




#56
Ethyl methacrylate
Concen: 0.431 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

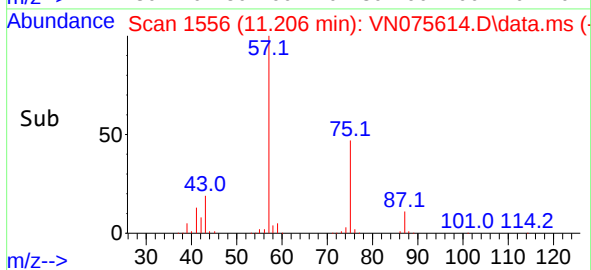
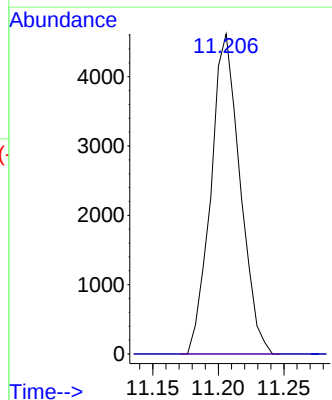
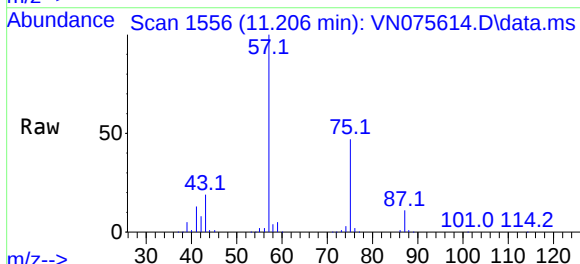
Instrument :
MSVOA_N
ClientSampleId :
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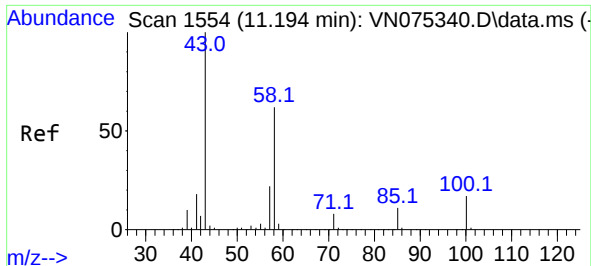
Tgt Ion: 69 Resp: 1328
Ion Ratio Lower Upper
69 100
41 5640.2 45.6 68.4#
39 2454.6 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.923 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 76 Resp: 7149
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

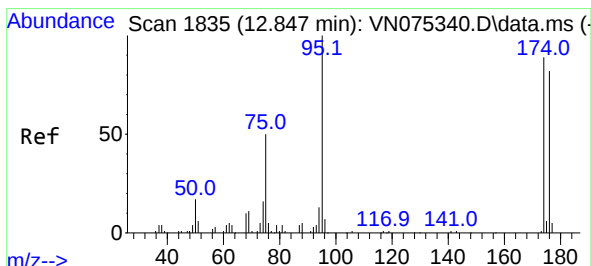
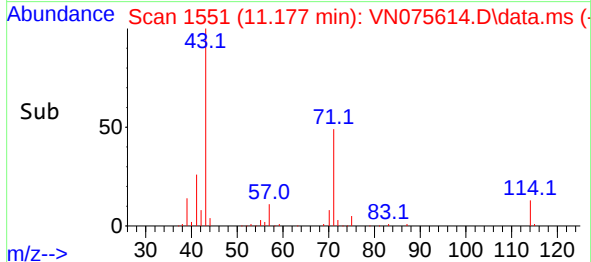
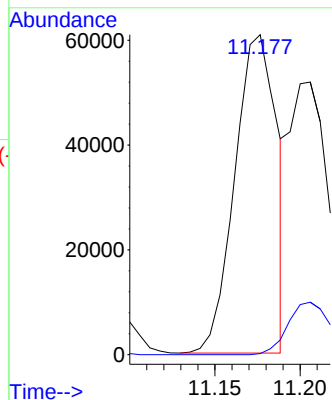
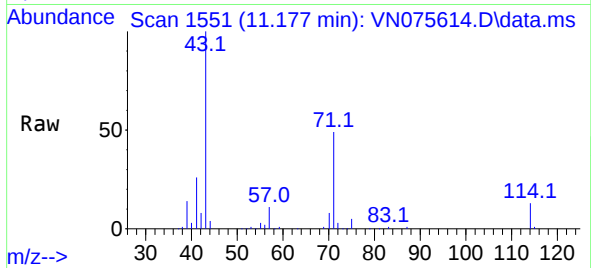




#59
2-Hexanone
Concen: 53.244 ug/l
RT: 11.177 min Scan# 1151
Delta R.T. -0.017 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

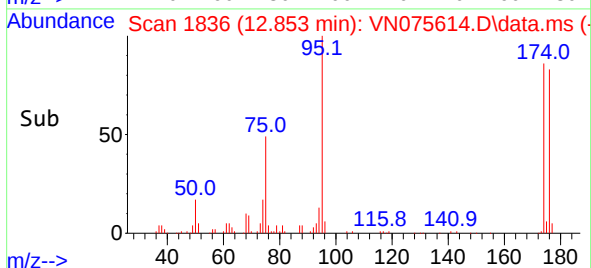
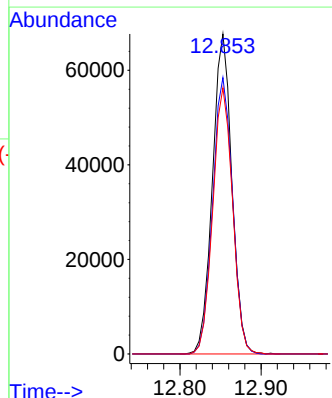
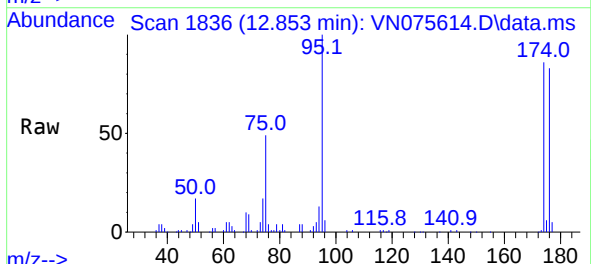
Instrument :
MSVOA_N
ClientSampleId :
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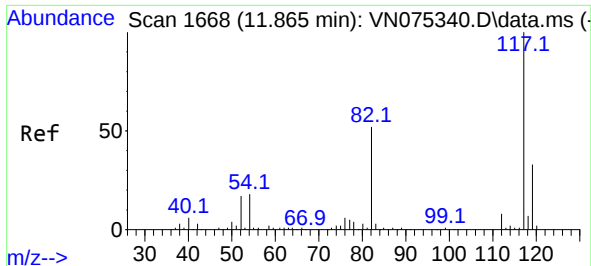
Tgt Ion: 43 Resp: 104432
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 51.900 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion: 95 Resp: 112263
Ion Ratio Lower Upper
95 100
174 88.7 0.0 147.4
176 84.9 0.0 142.2

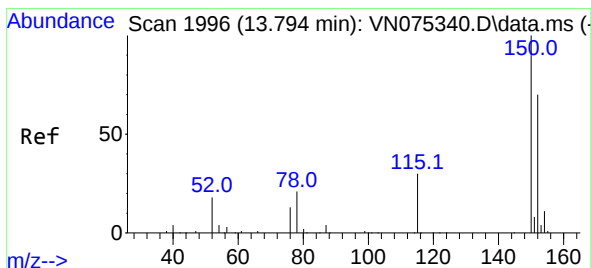
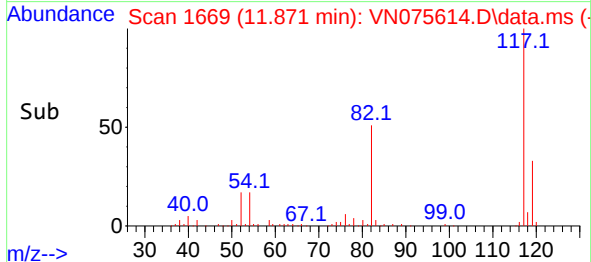
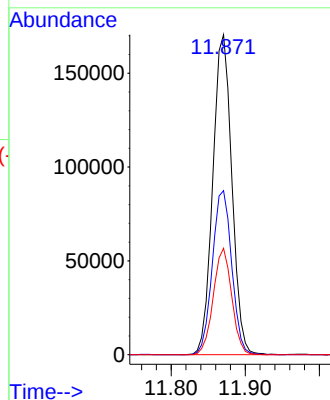
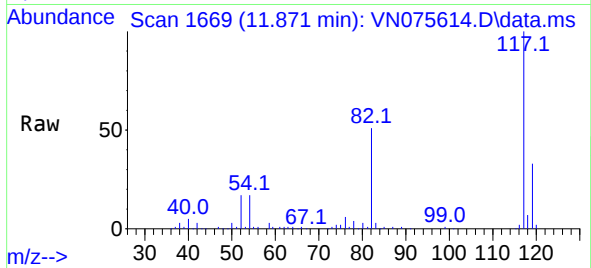




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

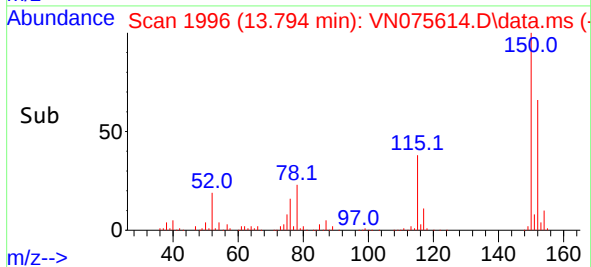
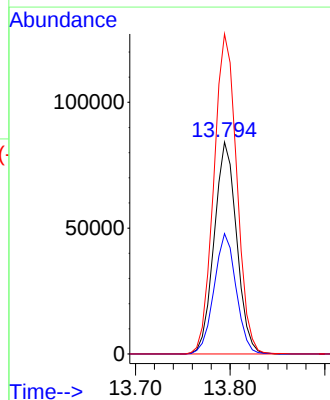
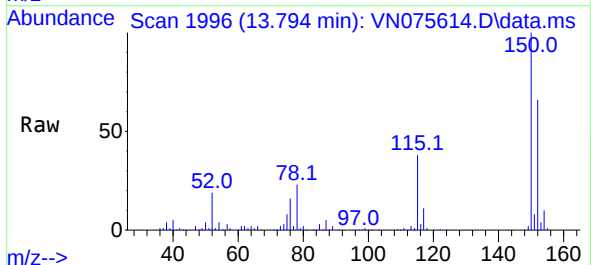
Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

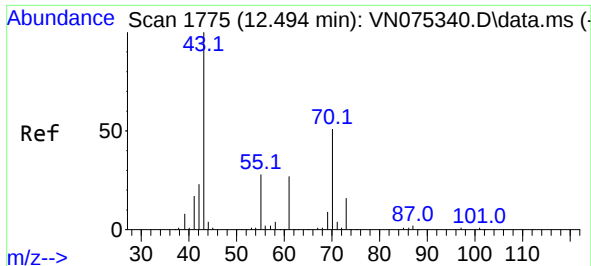
Tgt Ion:117 Resp: 304479
Ion Ratio Lower Upper
117 100
82 51.3 43.1 64.7
119 33.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

Tgt Ion:152 Resp: 138901
Ion Ratio Lower Upper
152 100
115 55.9 30.2 90.6
150 154.3 0.0 348.4

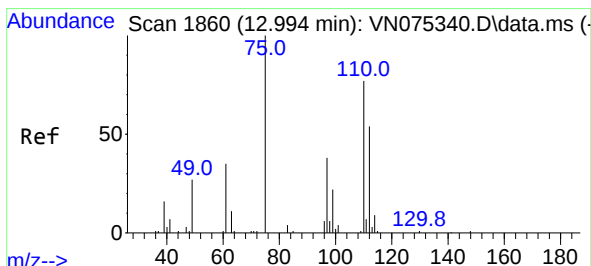
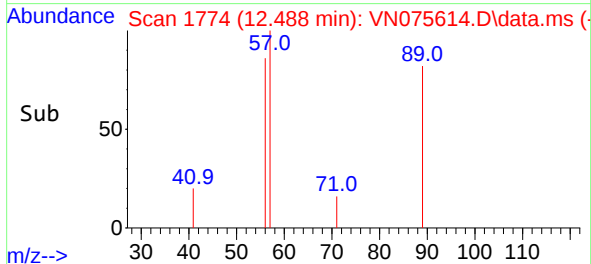
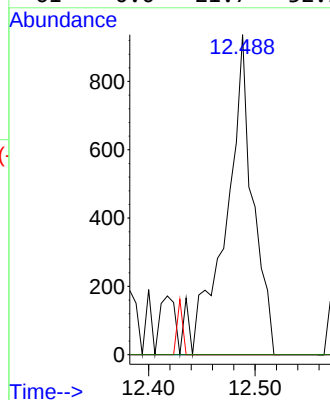
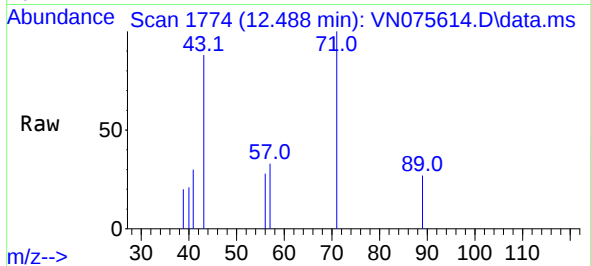




#74
N-amy1 acetate
Concen: 0.532 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

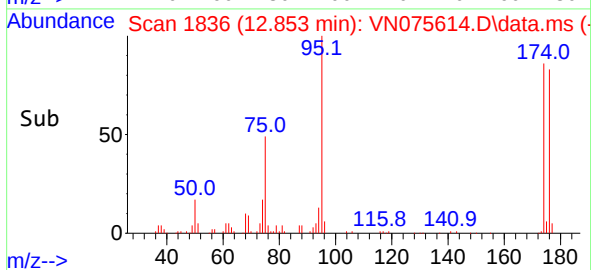
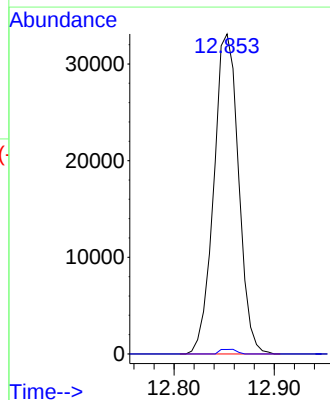
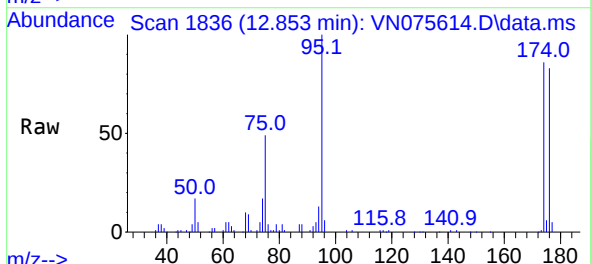
Instrument :
MSVOA_N
ClientSampleId :
PB149441TB

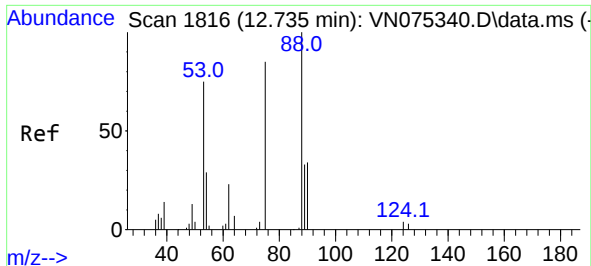
Tgt Ion: 43	Resp:	1660
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 21.613 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075614.D
Acq: 07 Dec 2022 18:19

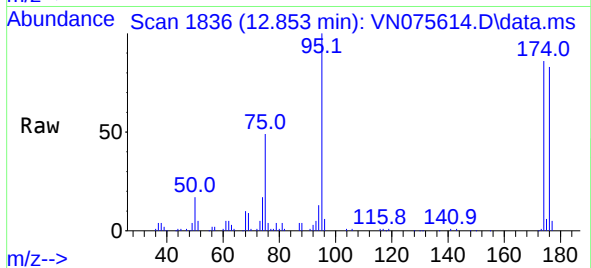
Tgt Ion: 75	Resp:	56760
Ion	Ratio	Lower Upper
75	100	
77	1.0	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.947 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075614.D
 Acq: 07 Dec 2022 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149441TB



Tgt Ion: 75 Resp: 56760
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

