

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075484.D
 Acq On : 29 Nov 2022 18:26
 Operator : JC\MD
 Sample : N5795-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Quant Time: Nov 30 02:30:41 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

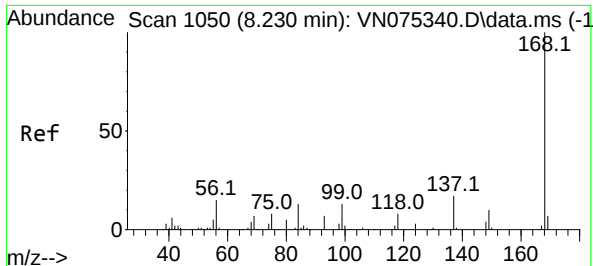
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	127129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	229644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	207354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	34065	49.919	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.840%		
35) Dibromofluoromethane	8.177	113	42164	46.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.480%		
50) Toluene-d8	10.571	98	86725	42.683	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.360%#		
62) 4-Bromofluorobenzene	12.853	95	63186	42.132	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.260%		
Target Compounds						Qvalue
6) Chloroethane	3.100	64	425	0.368	ug/l #	45
11) Tert butyl alcohol	5.553	59	69	0.241	ug/l #	72
16) Acetone	4.442	43	14061	22.090	ug/l	91
18) Methyl Acetate	5.047	43	4288	1.414	ug/l	92
20) Methylene Chloride	5.271	84	2908	1.000	ug/l #	69
25) 2-Butanone	7.500	43	712	0.801	ug/l #	43
31) Cyclohexane	8.230	56	2205	1.017	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	9286	4.720	ug/l #	51
37) Ethyl Acetate	7.565	43	16692	9.423	ug/l	99
38) Carbon Tetrachloride	8.235	117	12735	5.893	ug/l #	15
43) Isopropyl Acetate	8.694	43	101781	35.796	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	957	0.667	ug/l #	42
48) Methyl methacrylate	9.659	41	2058	1.565	ug/l #	6
49) 1,4-Dioxane	9.741	88	55	1.473	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	56109	30.983	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	463	0.219	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31153	13.589	ug/l #	61
56) Ethyl methacrylate	10.982	69	933	0.437	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3578	1.388	ug/l #	42
59) 2-Hexanone	11.171	43	61429	45.172	ug/l #	21
74) N-amyl acetate	12.482	43	579	0.330	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	32396	21.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	32396	64.964	ug/l #	10

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

Quant Time: Nov 30 02:30:41 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

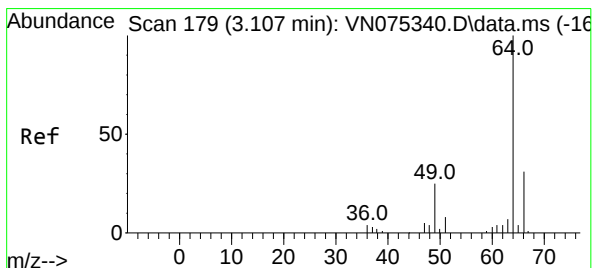
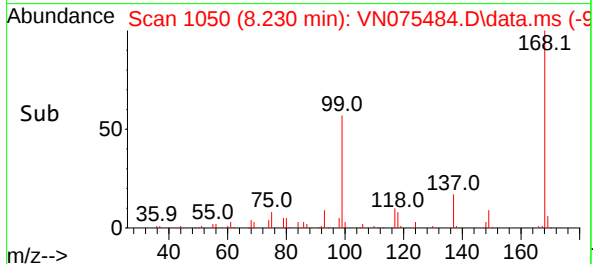
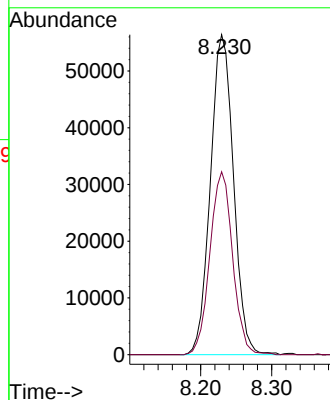
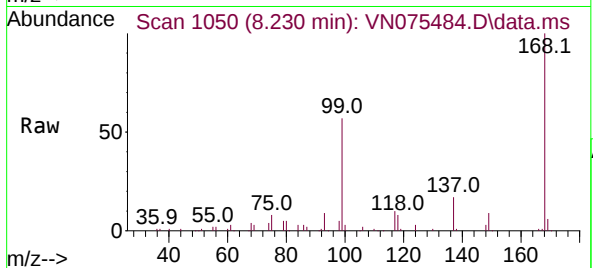




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

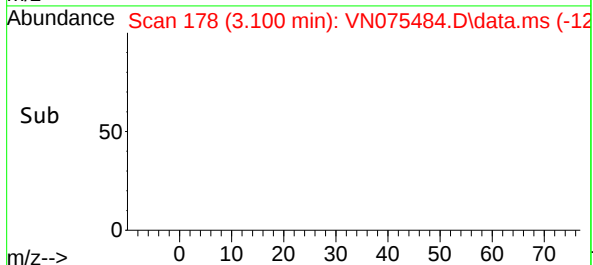
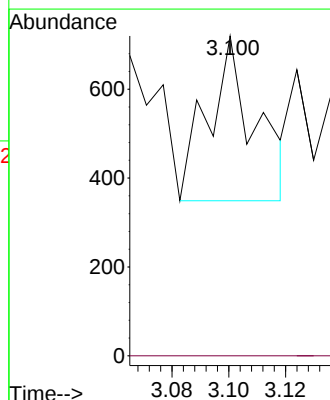
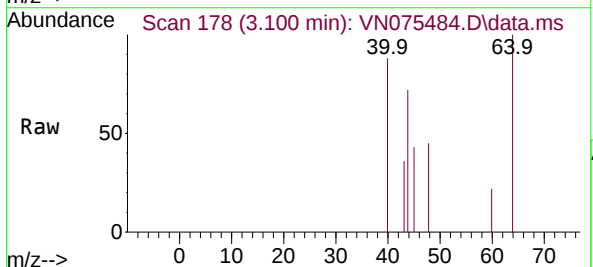
Instrument :
MSVOA_N
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TP-12

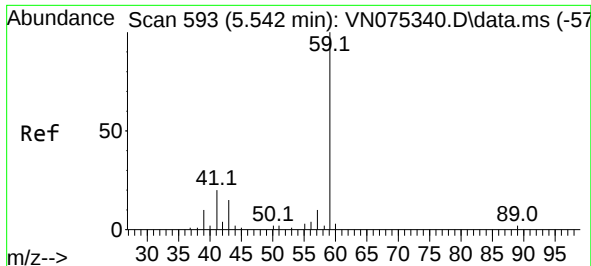
Tgt Ion:168 Resp: 127129
Ion Ratio Lower Upper
168 100
99 57.2 51.6 77.4



#6
Chloroethane
Concen: 0.368 ug/l
RT: 3.100 min Scan# 178
Delta R.T. -0.007 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 64 Resp: 425
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

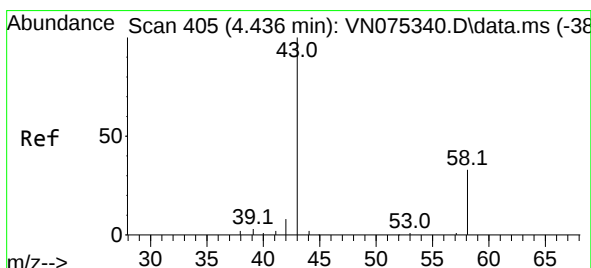
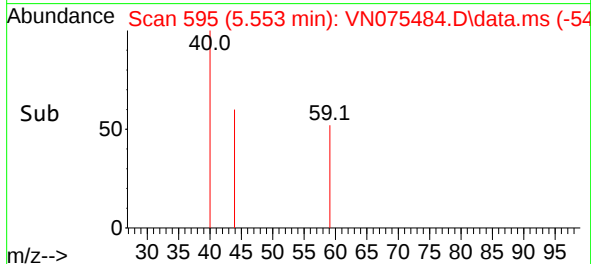
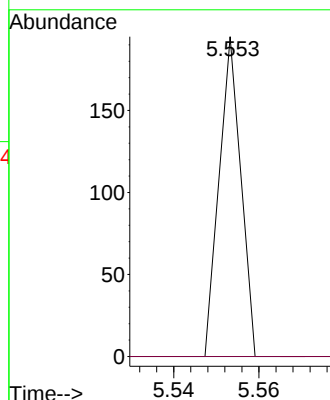
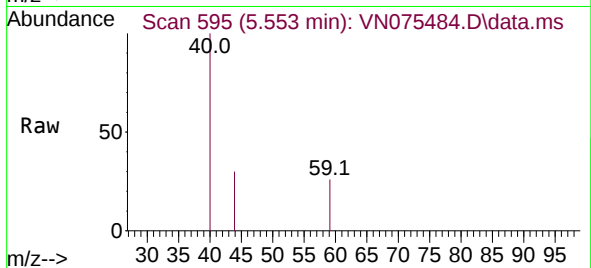




#11
Tert butyl alcohol
Concen: 0.241 ug/l
RT: 5.553 min Scan# 59
Delta R.T. 0.011 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

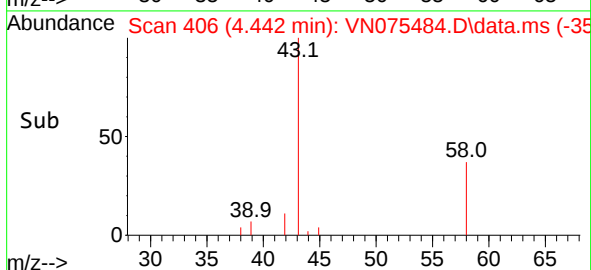
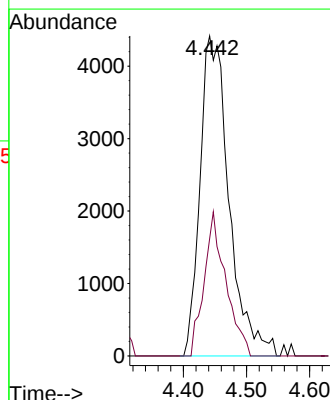
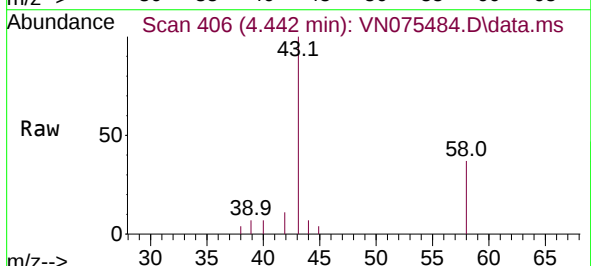
Instrument :
MSVOA_N
ClientSampleId :
TP-12

Tgt Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 22.090 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 43 Resp: 14061
Ion Ratio Lower Upper
43 100
58 36.7 25.5 38.3

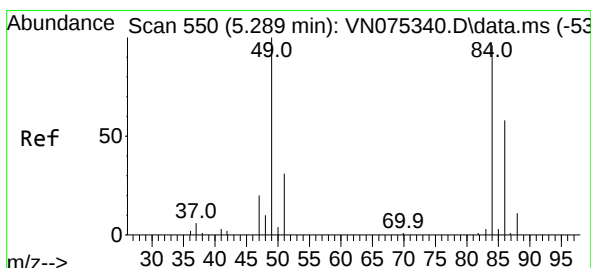
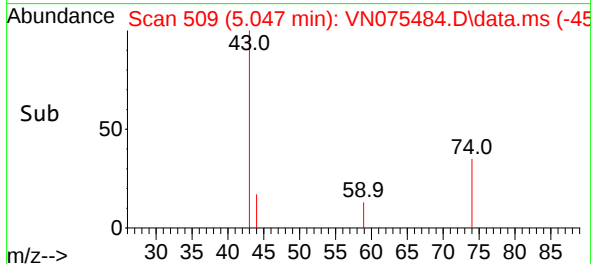
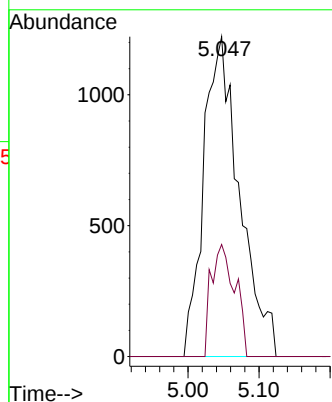
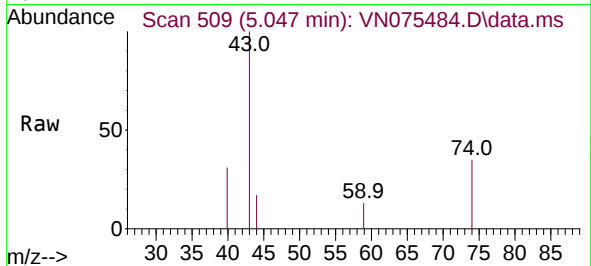




#18
Methyl Acetate
Concen: 1.414 ug/l
RT: 5.047 min Scan# 507
Delta R.T. 0.011 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

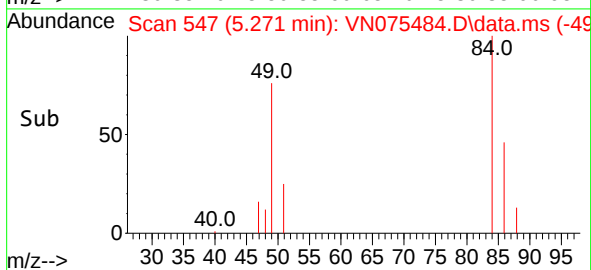
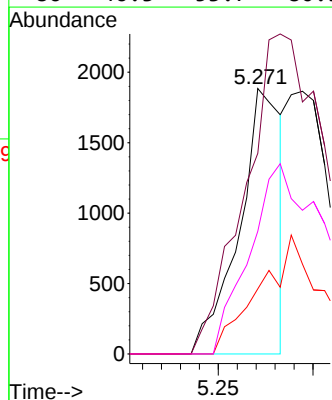
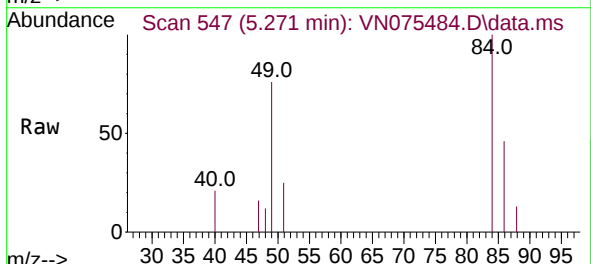
Instrument :
MSVOA_N
ClientSampleId :
TP-12

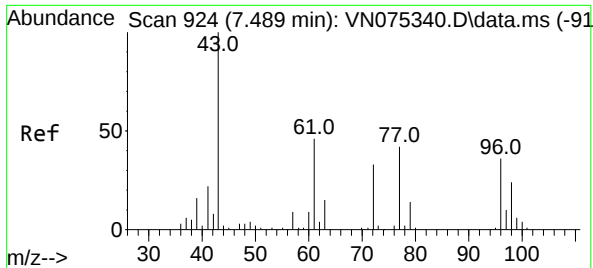
Tgt Ion: 43 Resp: 4288
Ion Ratio Lower Upper
43 100
74 23.1 22.0 33.0



#20
Methylene Chloride
Concen: 1.000 ug/l
RT: 5.271 min Scan# 547
Delta R.T. -0.018 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 84 Resp: 2908
Ion Ratio Lower Upper
84 100
49 75.6 94.9 142.3#
51 24.6 26.8 40.2#
86 46.3 53.7 80.5#

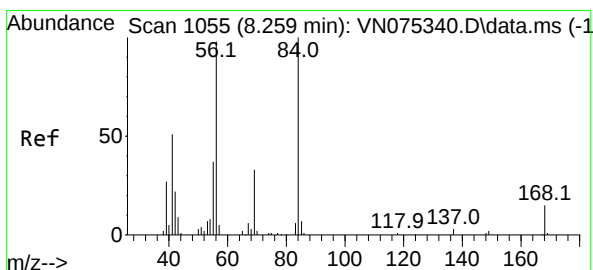
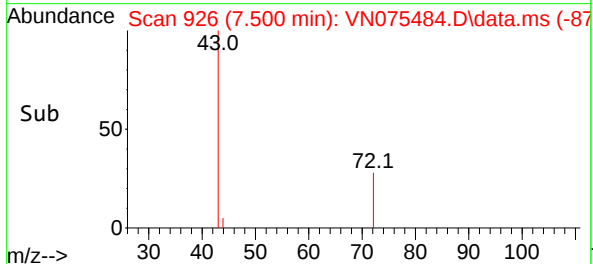
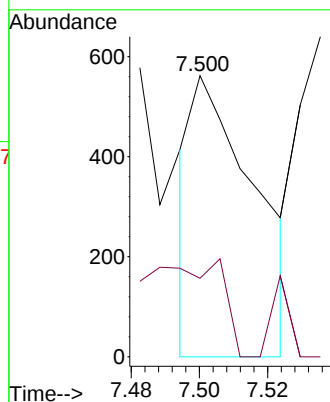
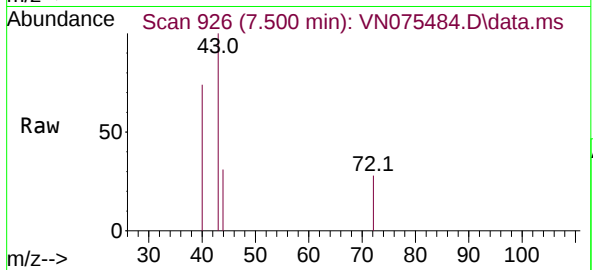




#25
2-Butanone
Concen: 0.801 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

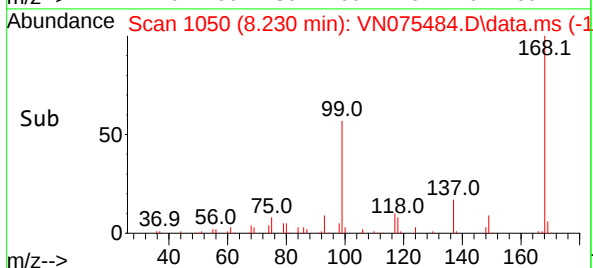
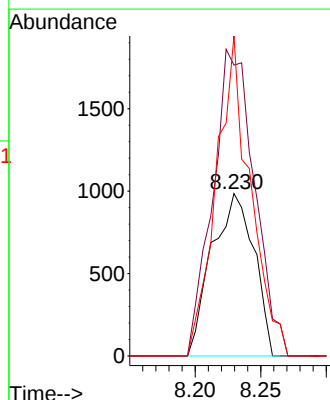
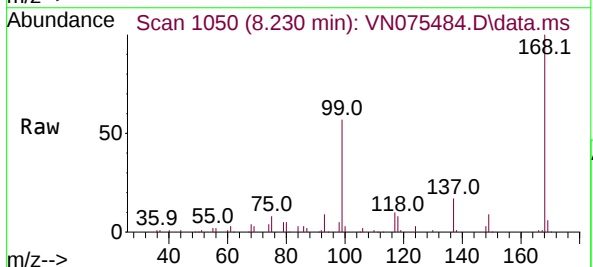
Instrument :
MSVOA_N
ClientSampleId :
TP-12

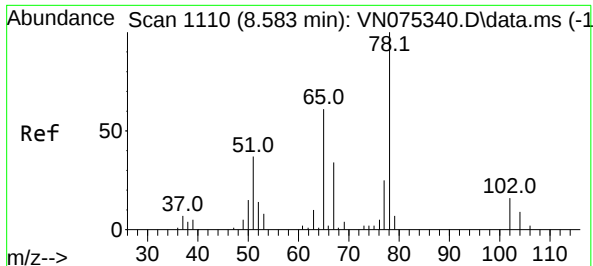
Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 56 Resp: 2205
Ion Ratio Lower Upper
56 100
69 179.0 25.2 37.8#
84 197.0 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 49.919 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075484.D

Acq: 29 Nov 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

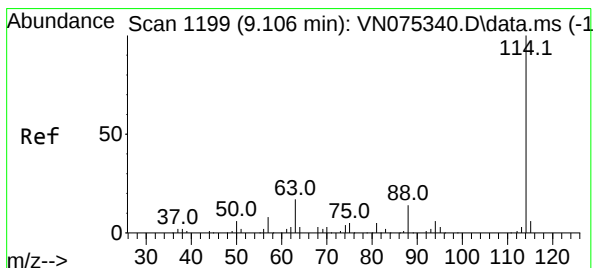
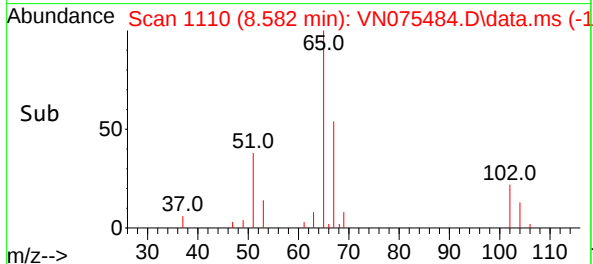
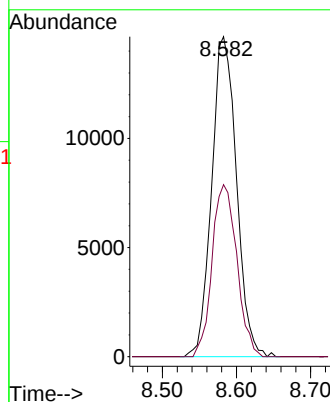
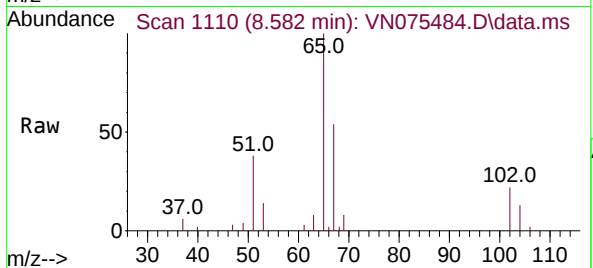
TP-12

Tgt Ion: 65 Resp: 34065

Ion Ratio Lower Upper

65 100

67 53.6 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: VN075484.D

Acq: 29 Nov 2022 18:26

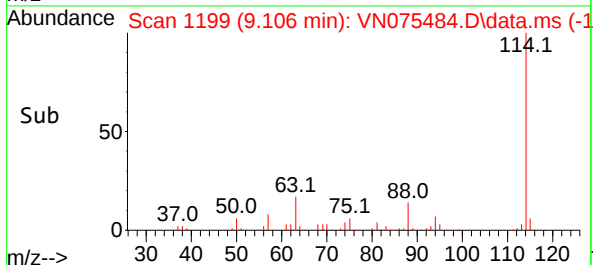
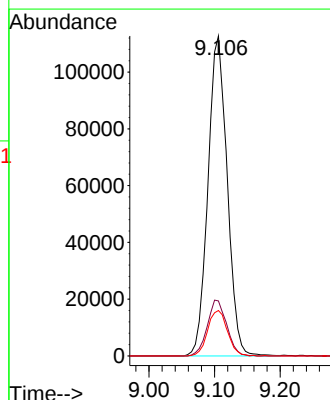
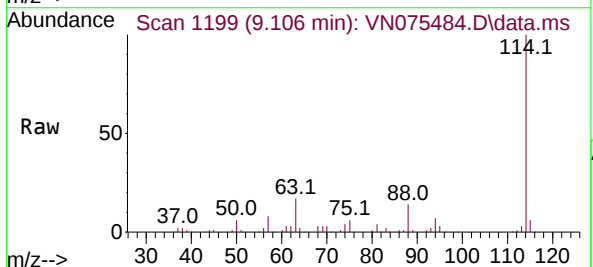
Tgt Ion:114 Resp: 229644

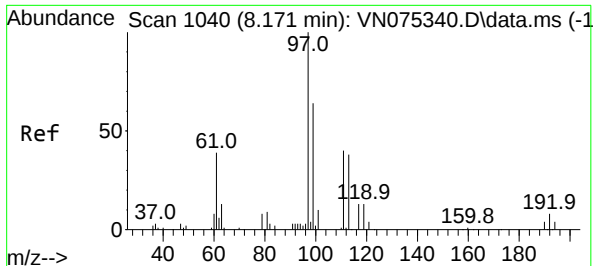
Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 14.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 46.739 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075484.D

Acq: 29 Nov 2022 18:26

Instrument :

MSVOA_N

ClientSampleId :

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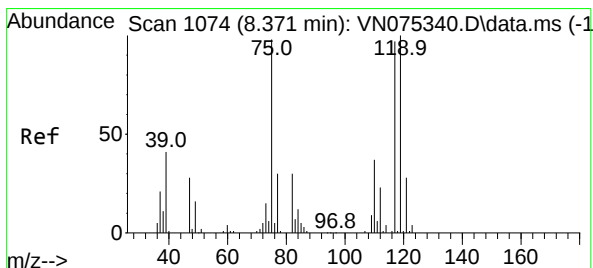
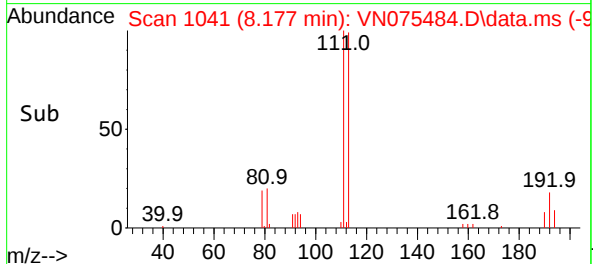
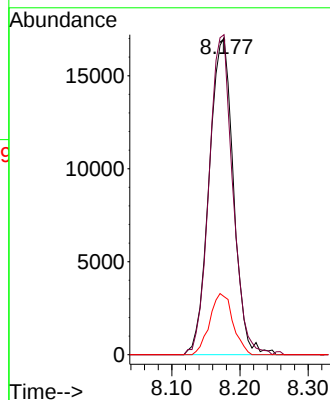
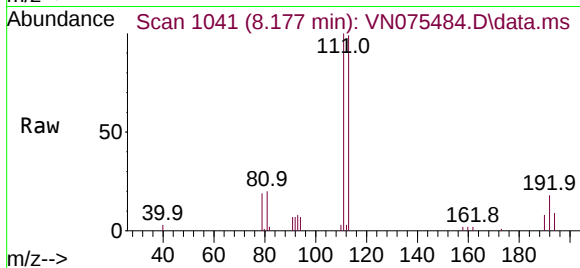
Tgt Ion:113 Resp: 42164

Ion Ratio Lower Upper

113 100

111 98.6 80.5 120.7

192 18.4 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075484.D

Acq: 29 Nov 2022 18:26

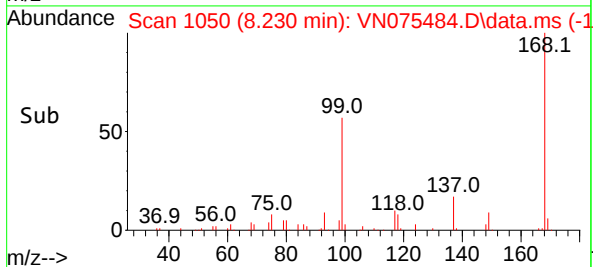
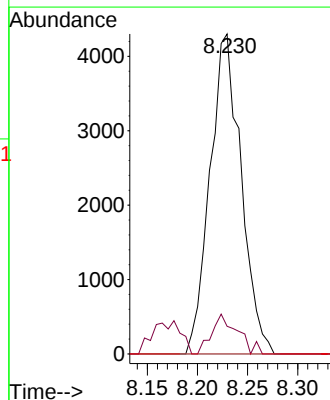
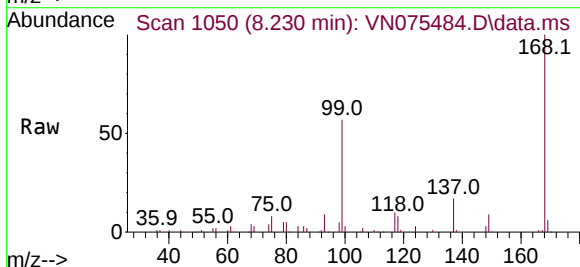
Tgt Ion: 75 Resp: 9286

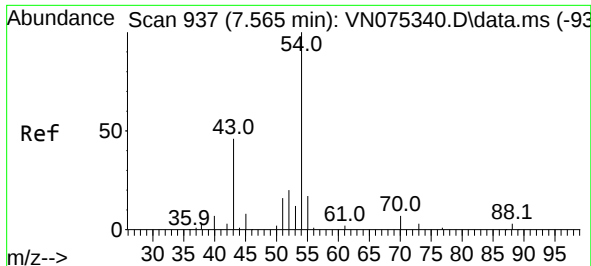
Ion Ratio Lower Upper

75 100

110 10.4 17.8 53.3#

77 0.0 24.6 37.0#

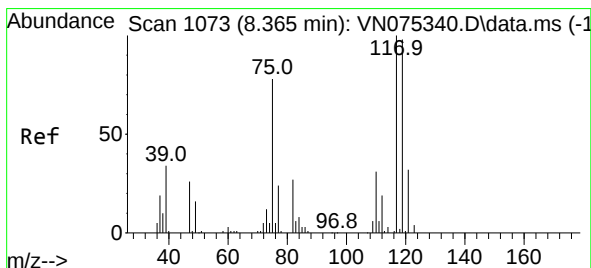
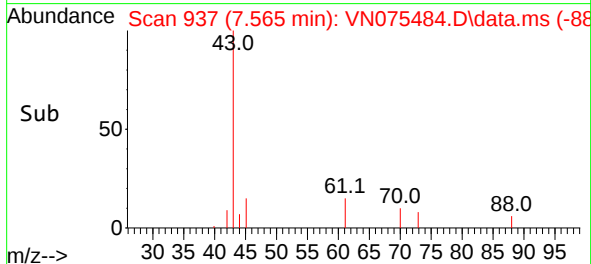
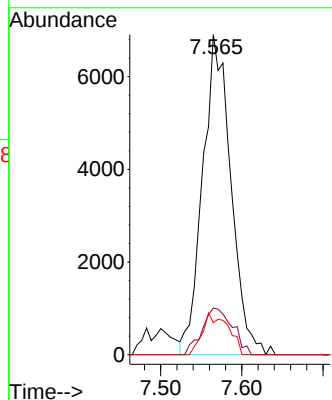
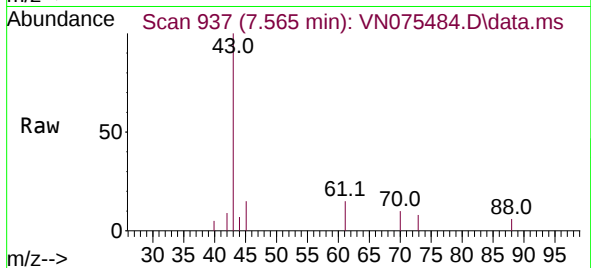




#37
Ethyl Acetate
Concen: 9.423 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

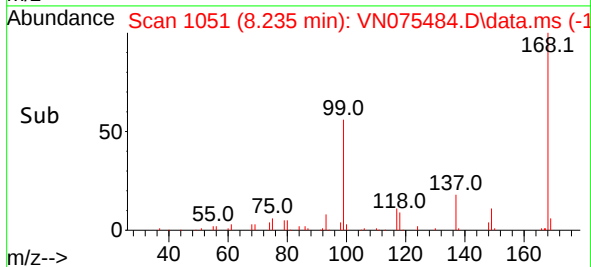
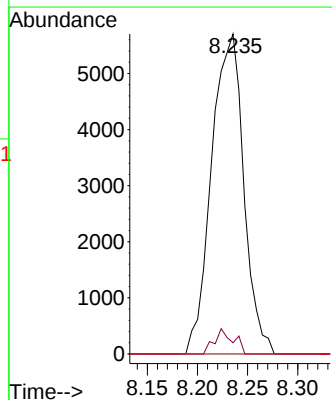
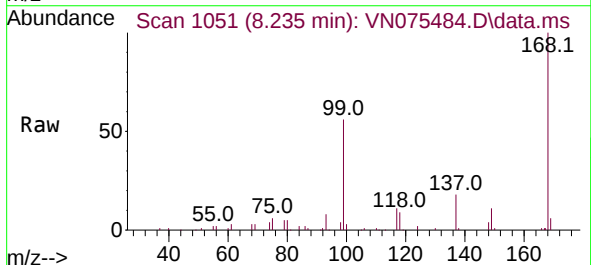
Instrument :
MSVOA_N
ClientSampleId :
TP-12

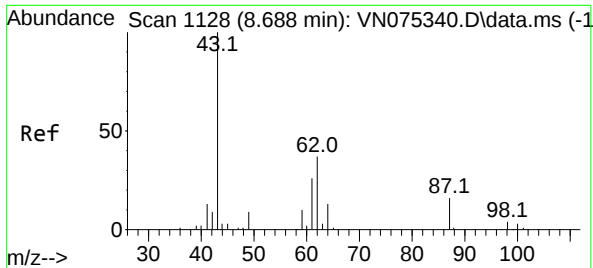
Tgt Ion:	43	Resp:	16692
Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.2	18.4
70	11.8	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion:	117	Resp:	12735
Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.7	115.1#
121	0.0	23.9	35.9#

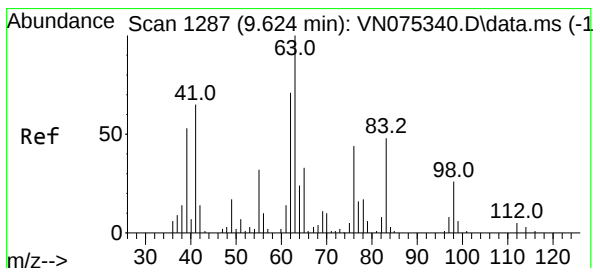
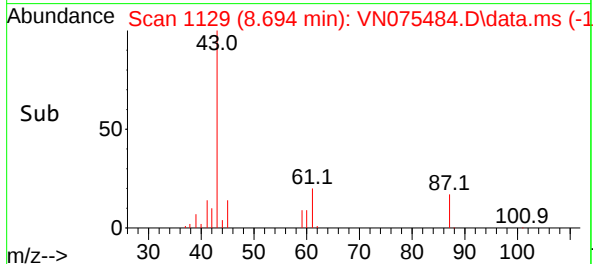
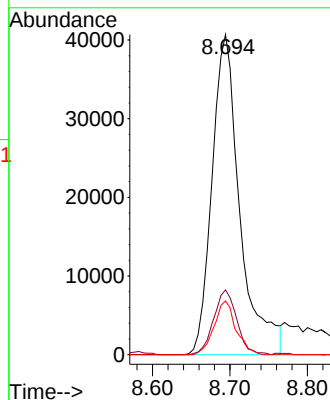
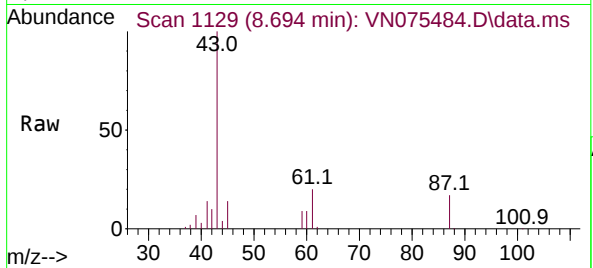




#43
Isopropyl Acetate
Concen: 35.796 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

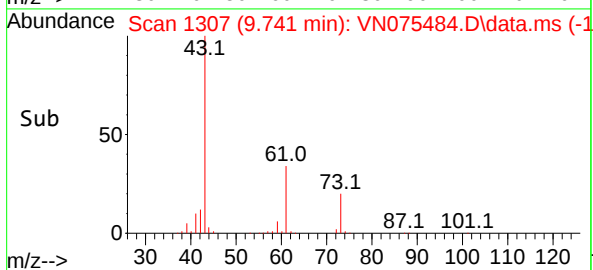
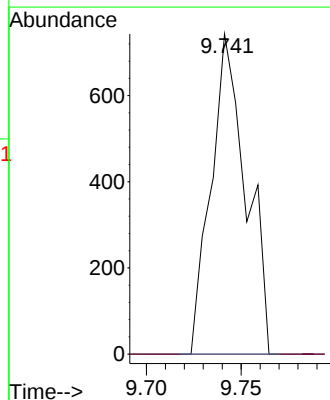
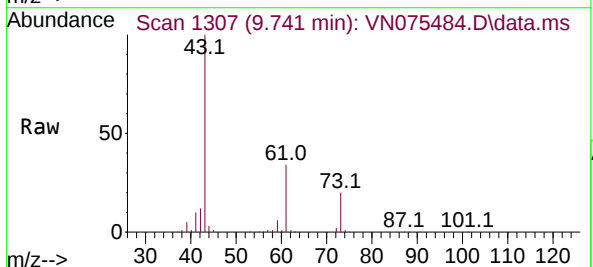
Instrument :
MSVOA_N
ClientSampleId :
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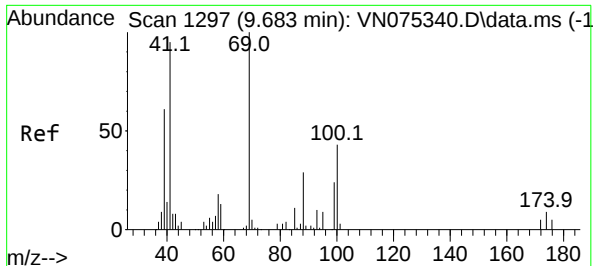
Tgt Ion: 43 Resp: 101781
Ion Ratio Lower Upper
43 100
61 16.7 22.4 33.6#
87 13.2 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.667 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 63 Resp: 957
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

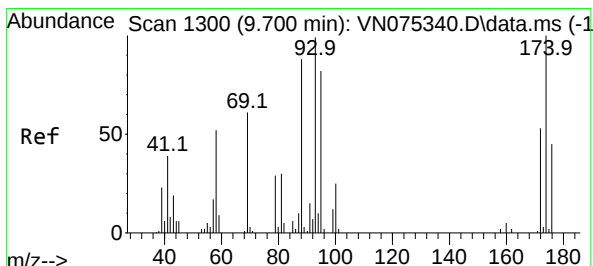
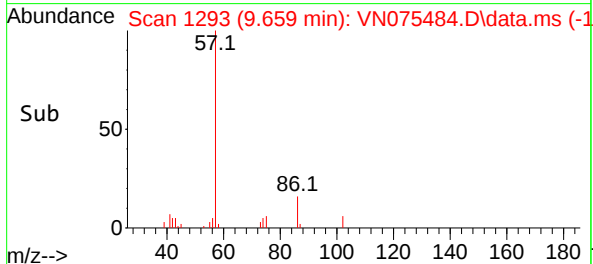
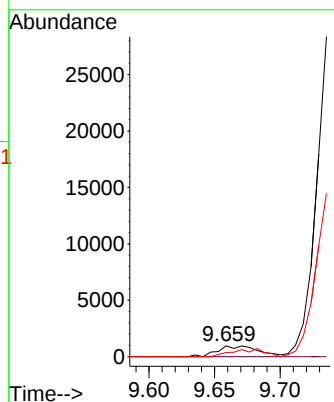
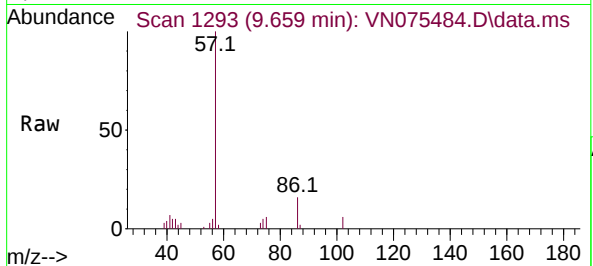




#48
Methyl methacrylate
Concen: 1.565 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

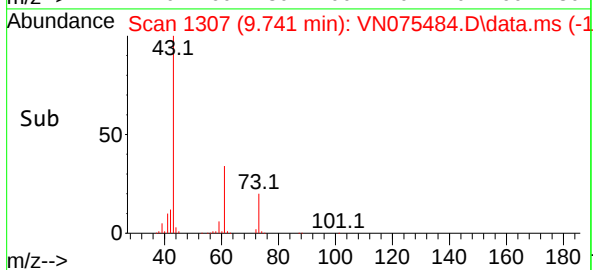
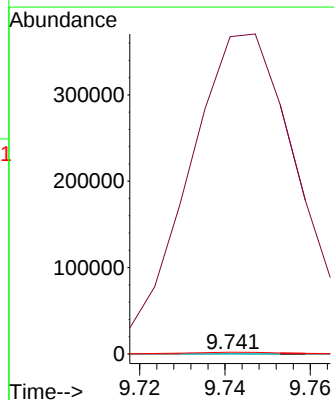
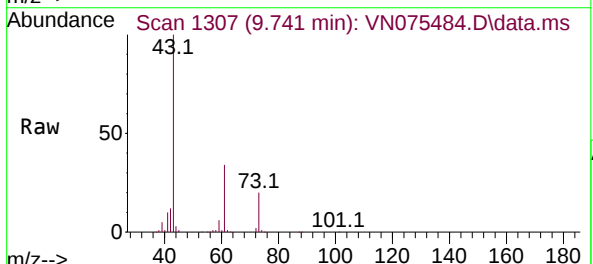
Instrument :
MSVOA_N
ClientSampleId :
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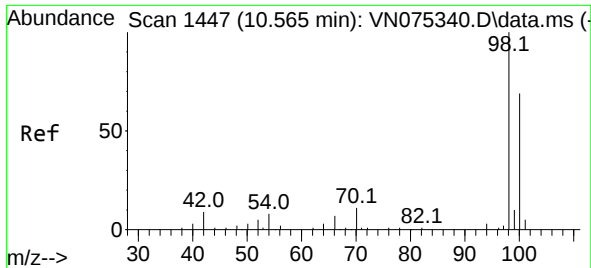
Tgt Ion: 41 Resp: 2058
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 0.0 56.2 84.2#



#49
1,4-Dioxane
Concen: 1.473 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 1242427.3 17.5 26.3#
58 6016.4 49.8 74.8#

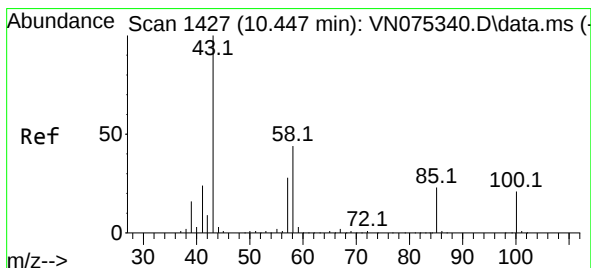
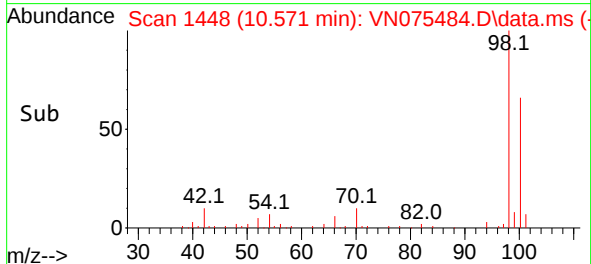
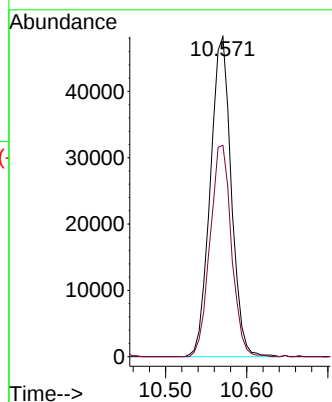
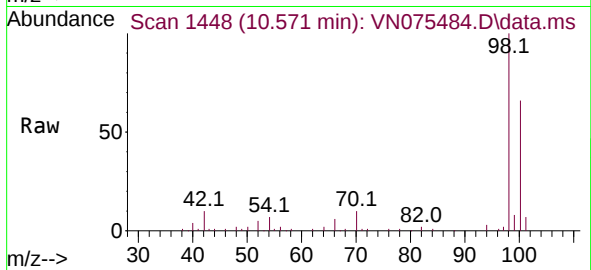




#50
Toluene-d8
Concen: 42.683 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

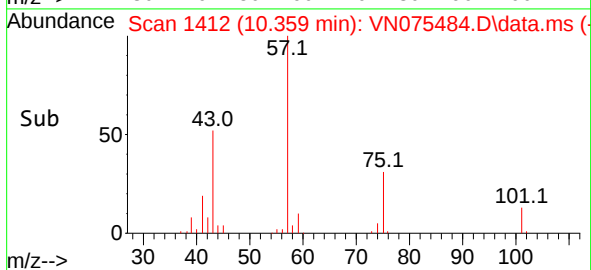
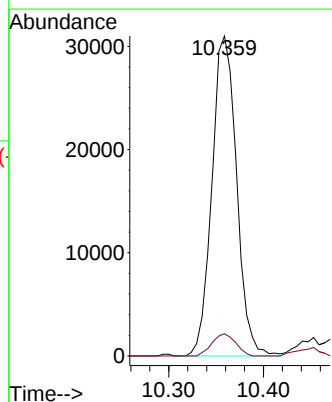
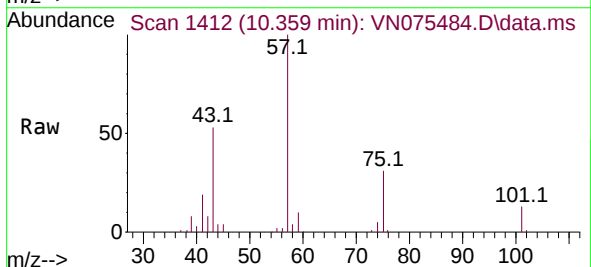
Instrument :
MSVOA_N
ClientSampleId :
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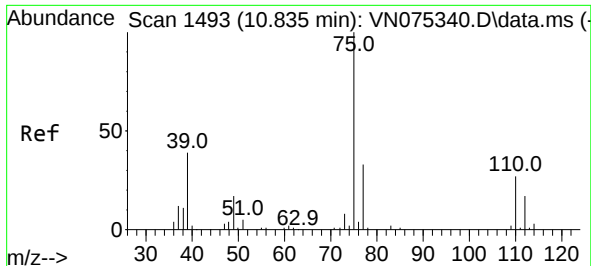
Tgt Ion: 98 Resp: 86725
Ion Ratio Lower Upper
98 100
100 67.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 30.983 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 43 Resp: 56109
Ion Ratio Lower Upper
43 100
58 6.7 33.6 50.4#

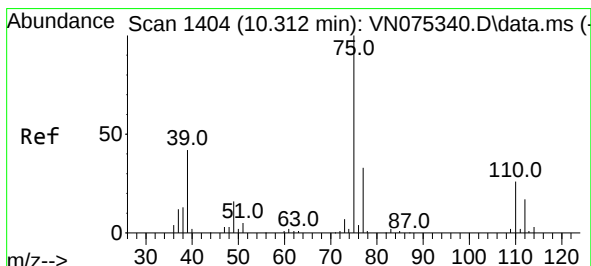
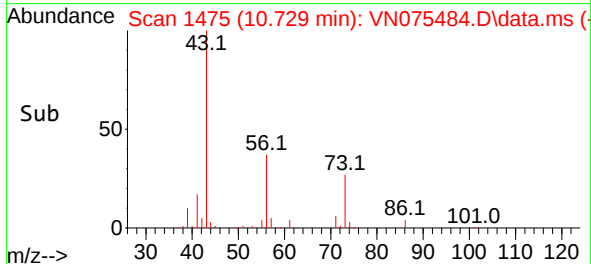
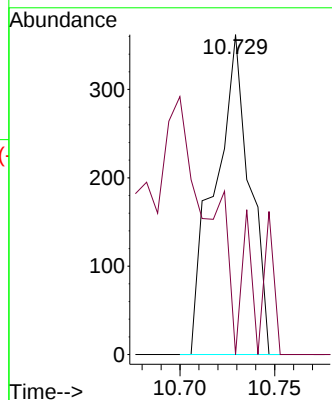
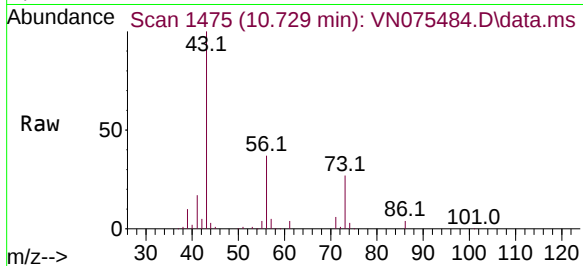




#53
 t-1,3-Dichloropropene
 Concen: 0.219 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075484.D
 Acq: 29 Nov 2022 18:26

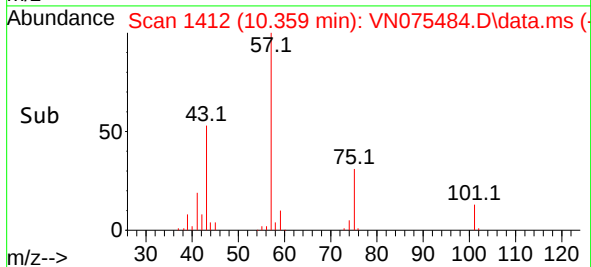
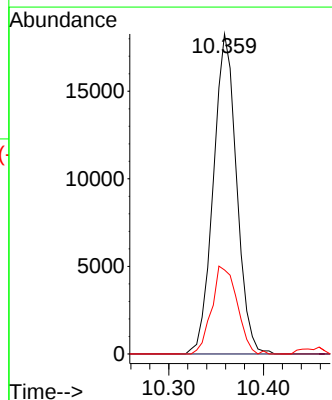
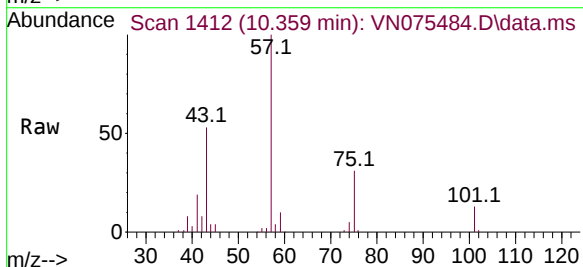
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

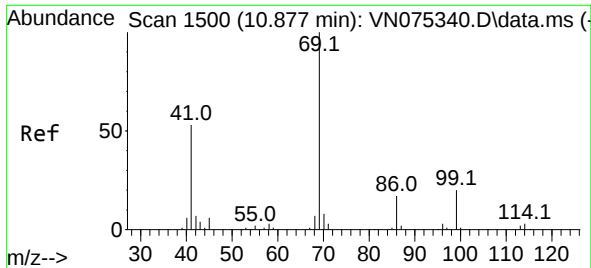
Tgt Ion: 75 Resp: 463
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 13.589 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075484.D
 Acq: 29 Nov 2022 18:26

Tgt Ion: 75 Resp: 31153
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 26.3 35.8 53.6#

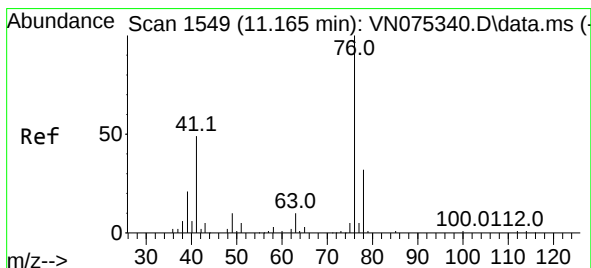
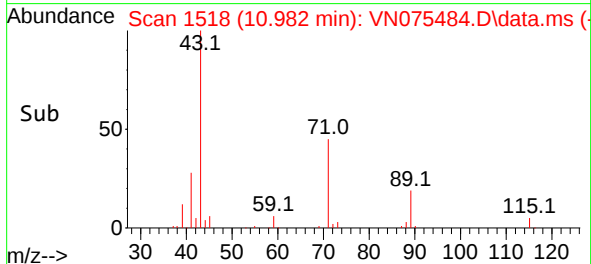
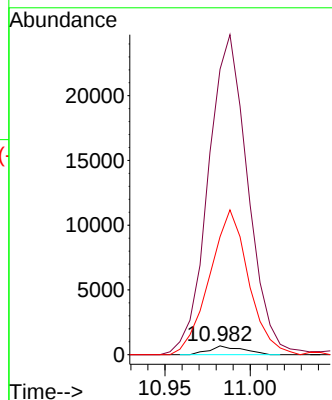
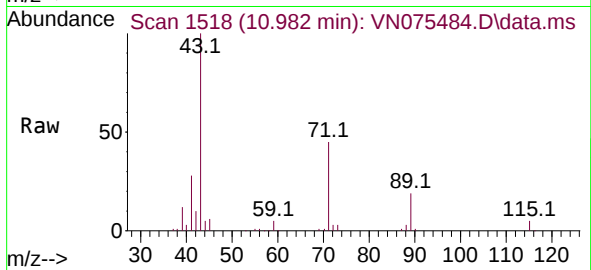




#56
Ethyl methacrylate
Concen: 0.437 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

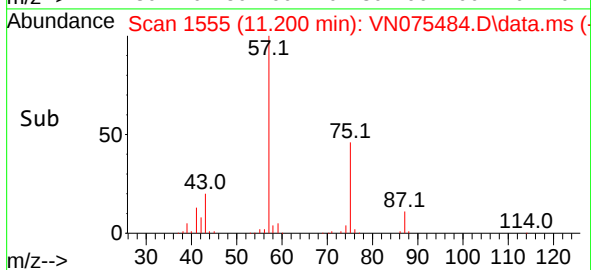
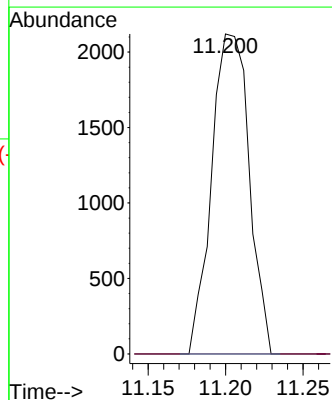
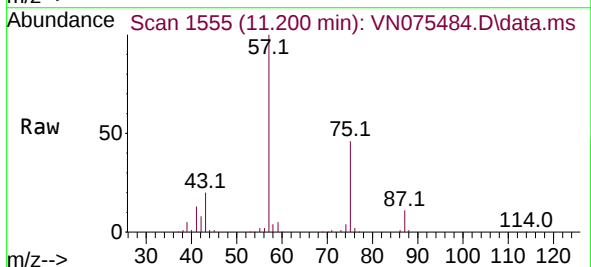
Instrument :
MSVOA_N
ClientSampleId :
TP-12

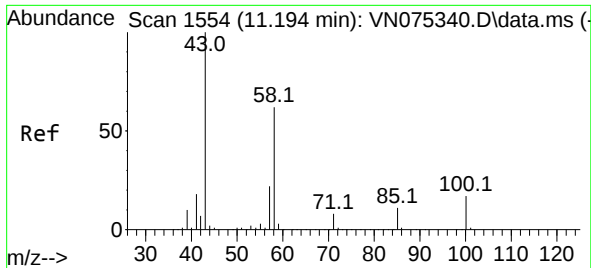
Tgt Ion: 69 Resp: 933
Ion Ratio Lower Upper
69 100
41 4305.6 45.6 68.4#
39 1913.4 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.388 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 76 Resp: 3578
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

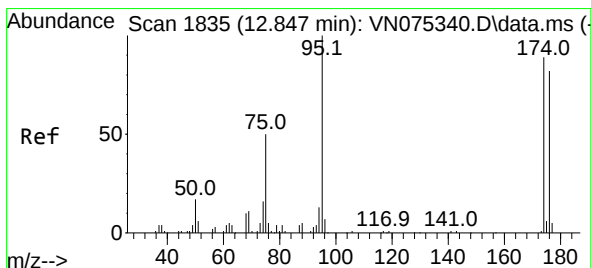
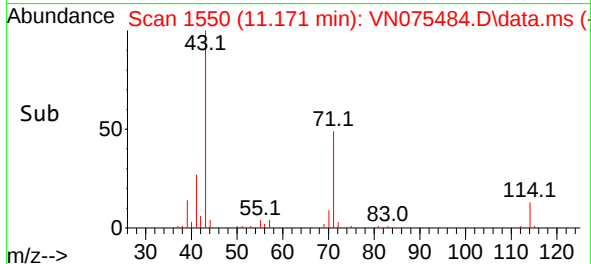
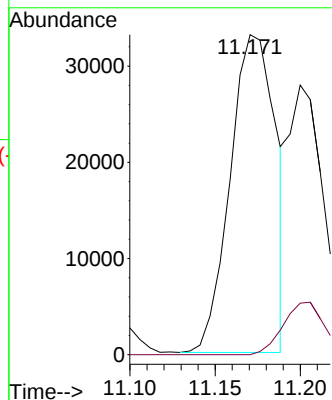
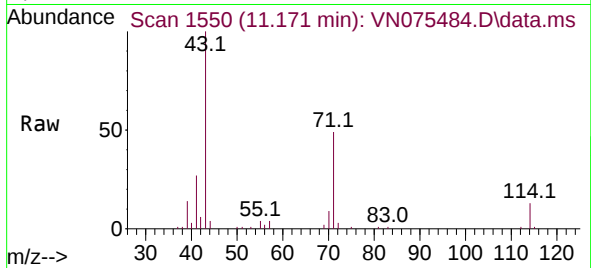




#59
2-Hexanone
Concen: 45.172 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

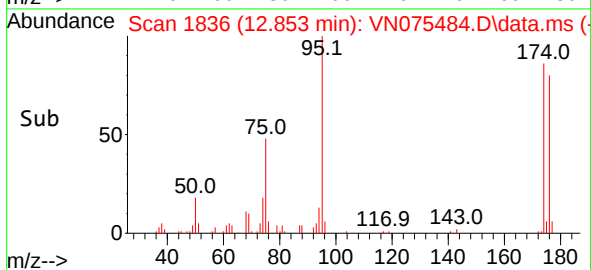
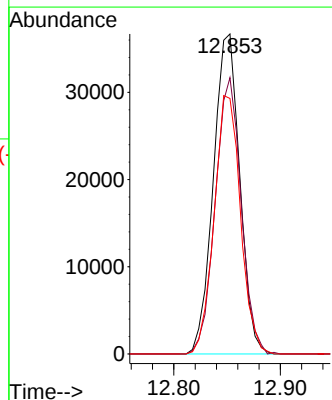
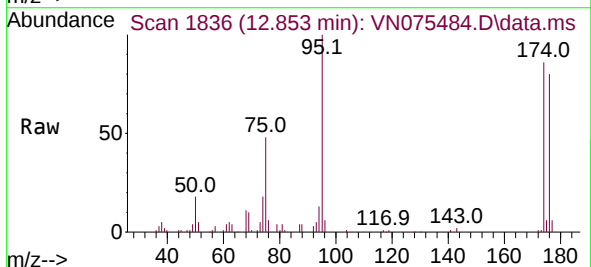
Instrument :
MSVOA_N
ClientSampleId :
TP-12

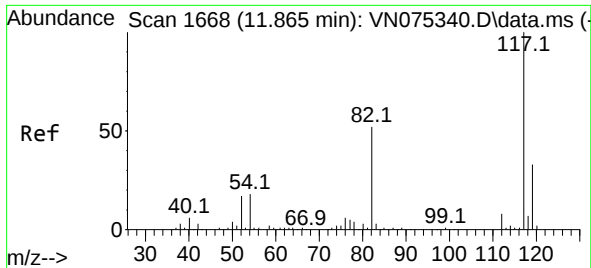
Tgt Ion: 43 Resp: 61429
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 42.132 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 95 Resp: 63186
Ion Ratio Lower Upper
95 100
174 84.4 0.0 147.4
176 80.3 0.0 142.2

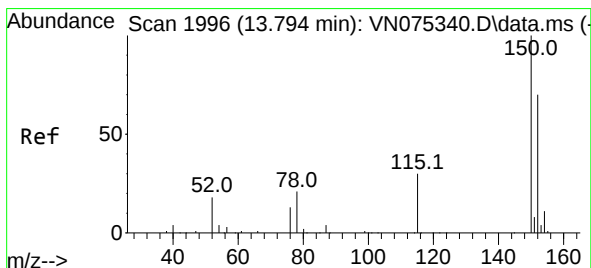
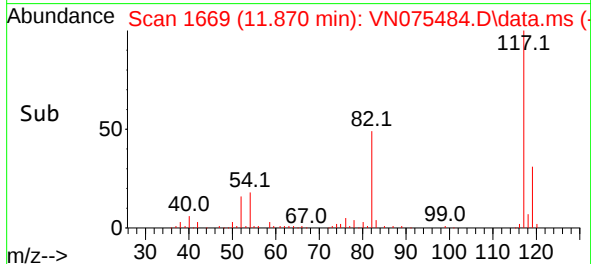
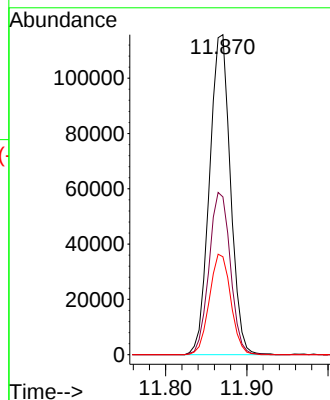
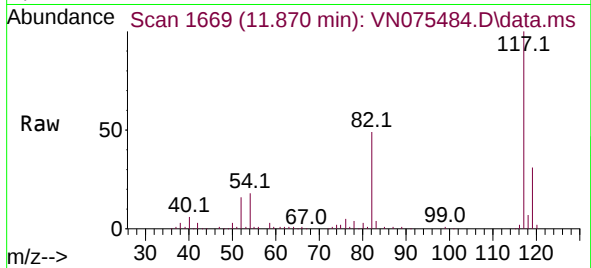




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

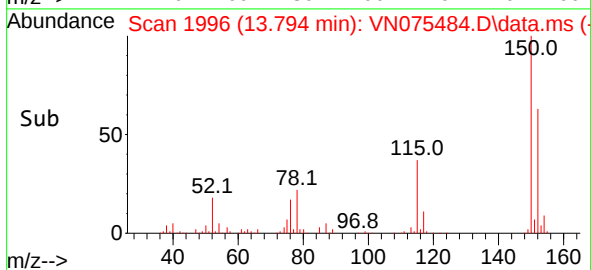
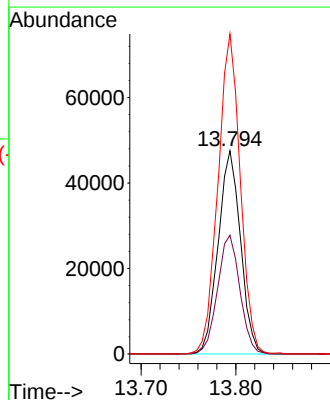
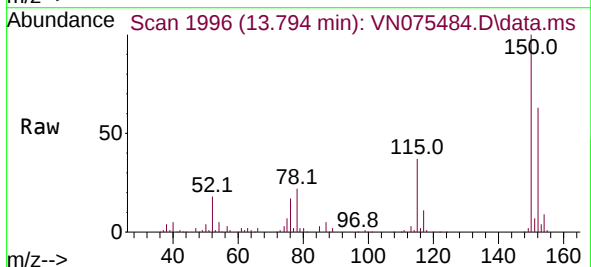
Instrument :
MSVOA_N
ClientSampleId :
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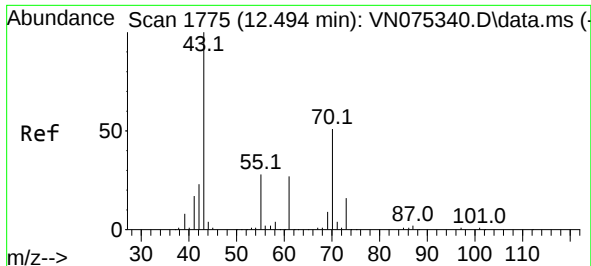
Tgt Ion:117 Resp: 207354
Ion Ratio Lower Upper
117 100
82 49.3 43.1 64.7
119 30.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion:152 Resp: 78037
Ion Ratio Lower Upper
152 100
115 58.4 30.2 90.6
150 156.9 0.0 348.4

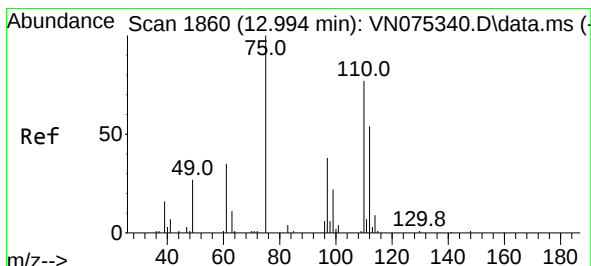
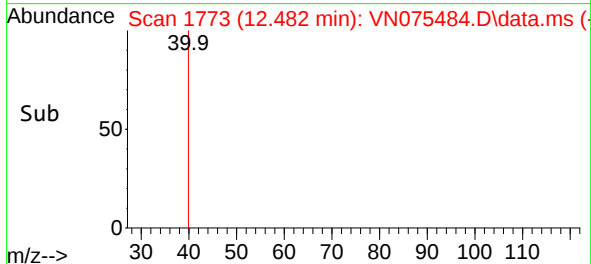
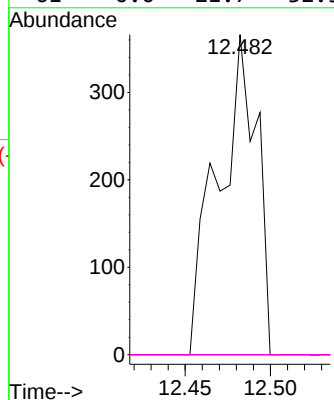
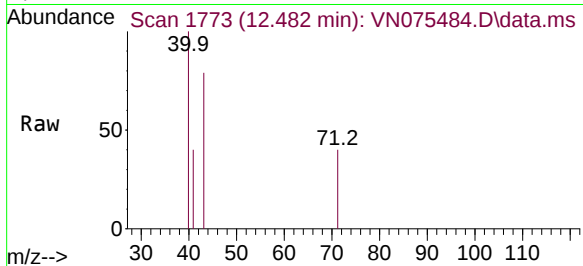




#74
N-amy1 acetate
Concen: 0.330 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

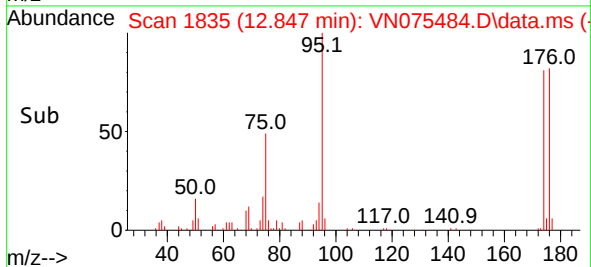
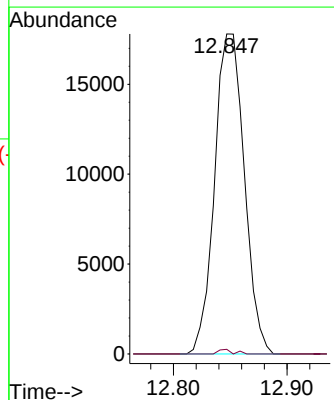
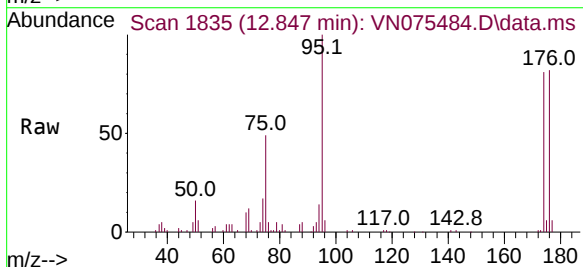
Instrument :
MSVOA_N
ClientSampleId :
TP-12

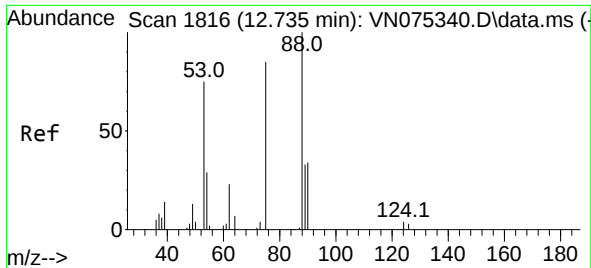
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 21.956 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075484.D
Acq: 29 Nov 2022 18:26

Tgt Ion: 75 Resp: 32396
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.964 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075484.D
 Acq: 29 Nov 2022 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Tgt Ion: 75 Resp: 32396
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

