

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075404.D
 Acq On : 23 Nov 2022 18:23
 Operator : JC\MD
 Sample : N5762-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Nov 24 06:53:25 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)

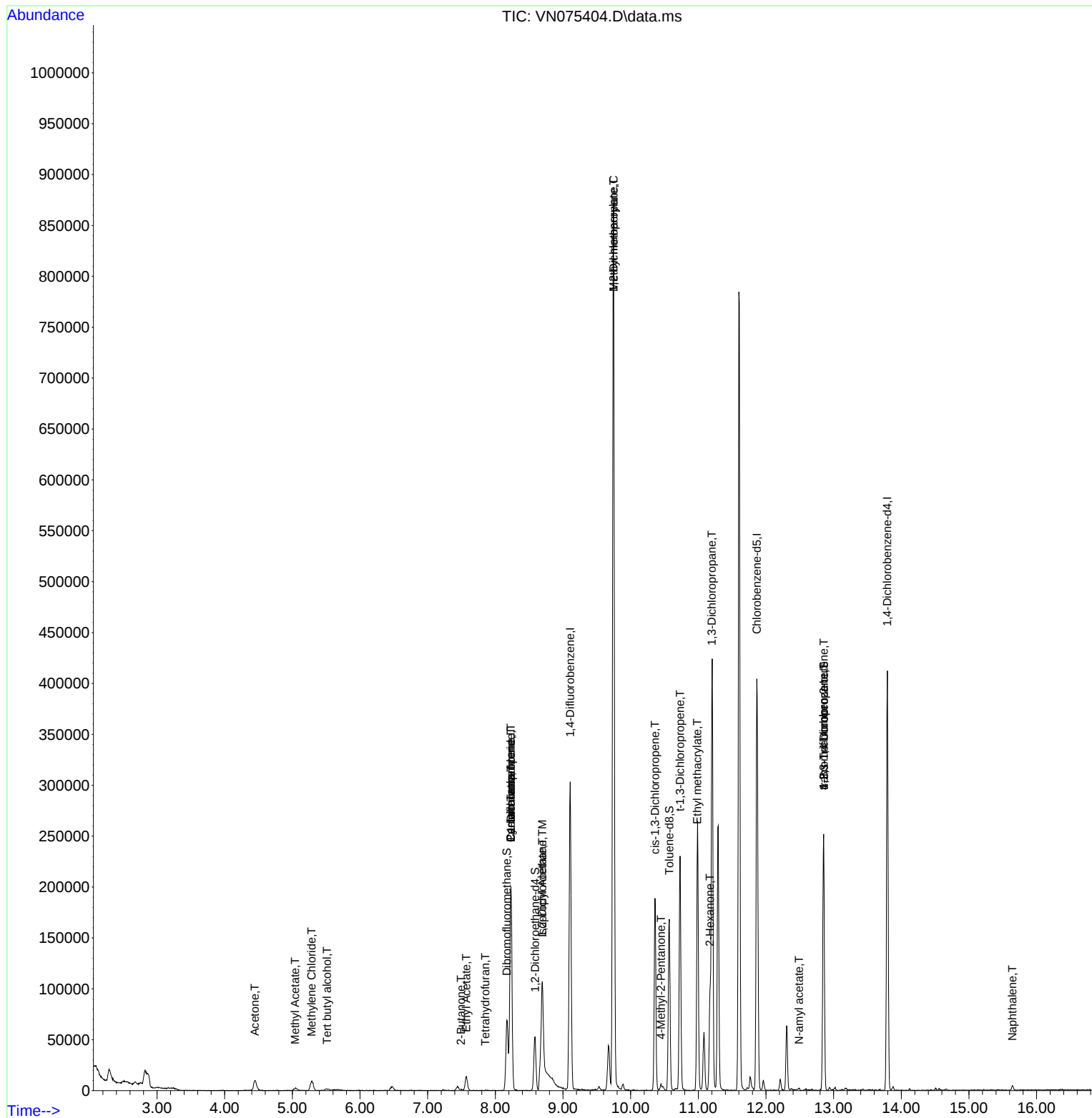
Internal Standards						
1) Pentafluorobenzene	8.229	168	158230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	43235	50.903	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.800%	
35) Dibromofluoromethane	8.171	113	50829	46.604	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.200%	
50) Toluene-d8	10.570	98	119459	48.630	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.260%	
62) 4-Bromofluorobenzene	12.853	95	87241	48.116	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	1342	3.764	ug/l #	72
16) Acetone	4.447	43	19590	24.727	ug/l	98
18) Methyl Acetate	5.041	43	4897	1.188	ug/l	99
20) Methylene Chloride	5.283	84	8480	4.105	ug/l	86
25) 2-Butanone	7.494	43	1625	1.469	ug/l	98
29) Tetrahydrofuran	7.853	42	302	0.449	ug/l #	26
31) Cyclohexane	8.229	56	2667	0.988	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	11396	4.791	ug/l #	49
37) Ethyl Acetate	7.571	43	19754	9.224	ug/l	98
38) Carbon Tetrachloride	8.229	117	17021	6.514	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	499	0.205	ug/l #	75
43) Isopropyl Acetate	8.694	43	140102	40.755	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	992	0.572	ug/l #	42
48) Methyl methacrylate	9.747	41	74343	46.770	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	6227	2.844	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	571	0.224	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	37206	13.424	ug/l #	64
56) Ethyl methacrylate	10.982	69	759	0.294	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5027	1.613	ug/l #	42
59) 2-Hexanone	11.170	43	72118	43.865	ug/l #	21
74) N-amyl acetate	12.488	43	698	0.272	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	41730	19.299	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	41730	57.100	ug/l #	10
95) Naphthalene	15.641	128	5125	0.834	ug/l #	87

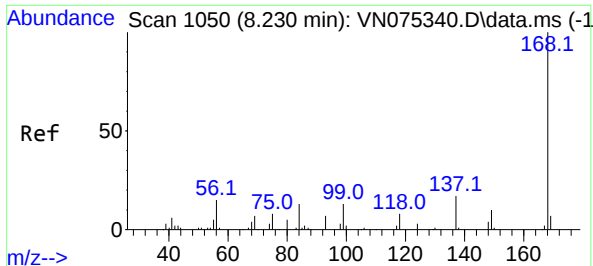
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

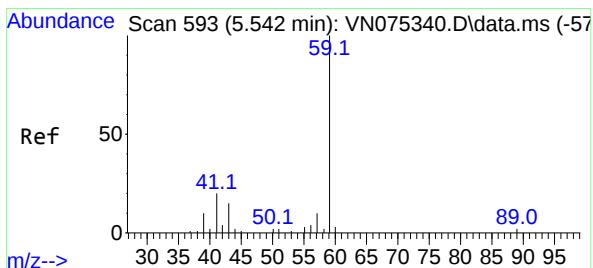
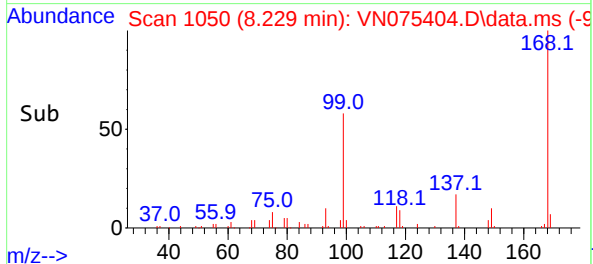
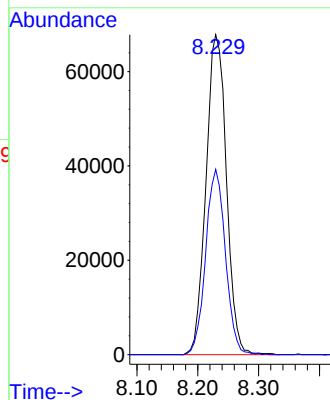
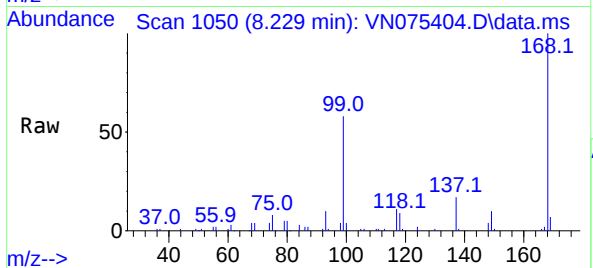




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

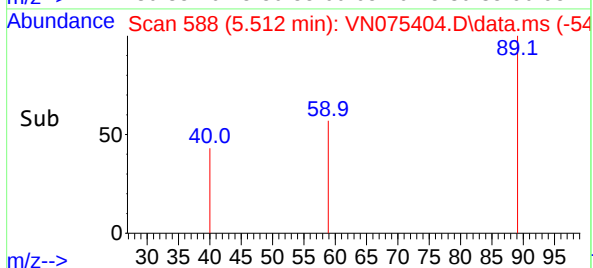
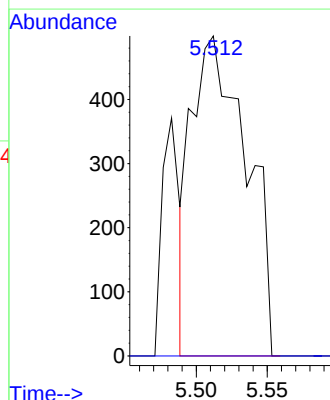
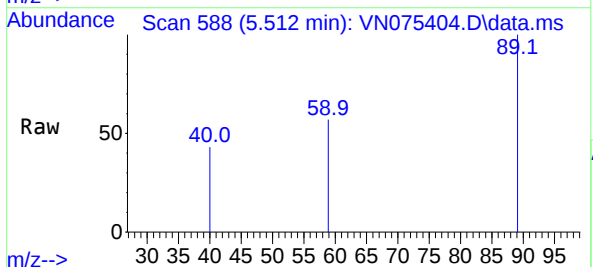
Instrument :
MSVOA_N
ClientSampleId :
TP-1

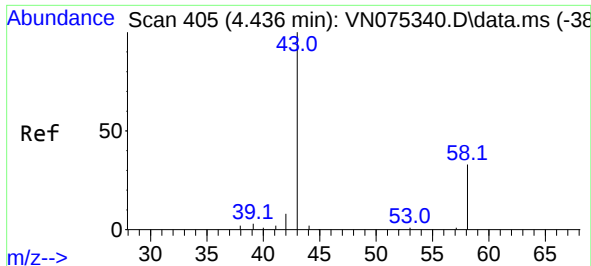
Tgt Ion:168 Resp: 158230
Ion Ratio Lower Upper
168 100
99 57.9 51.6 77.4



#11
Tert butyl alcohol
Concen: 3.764 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 59 Resp: 1342
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

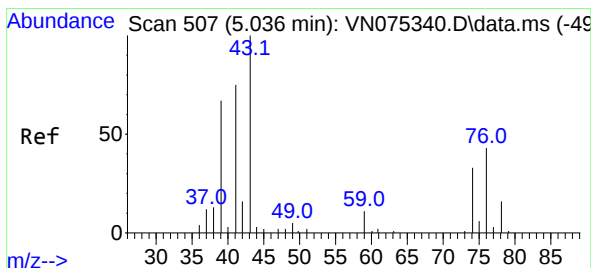
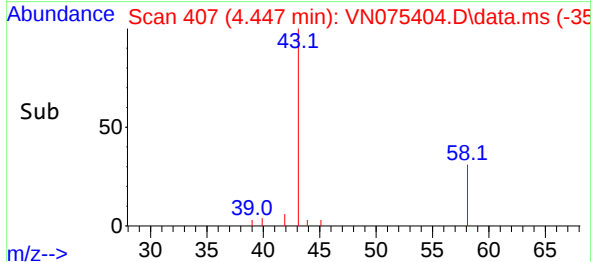
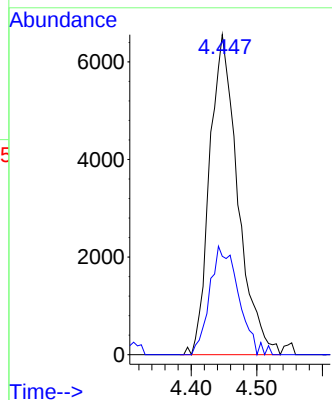
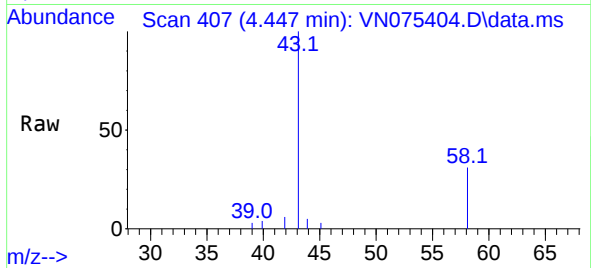




#16
Acetone
Concen: 24.727 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

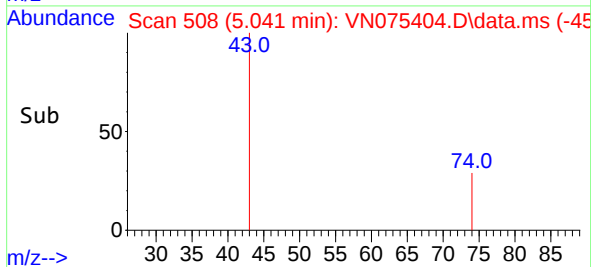
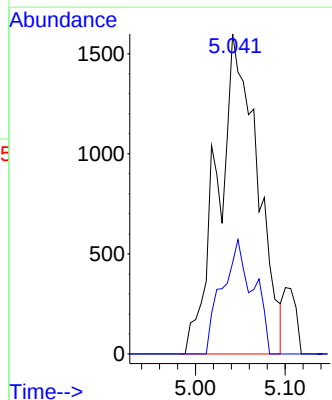
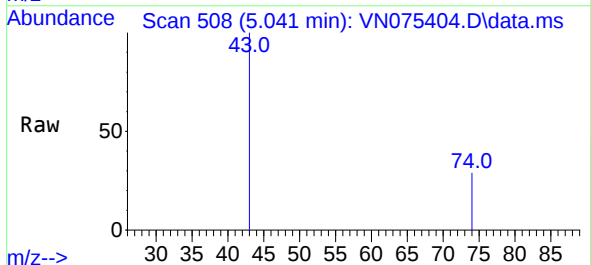
Instrument :
MSVOA_N
ClientSampleId :
TP-1

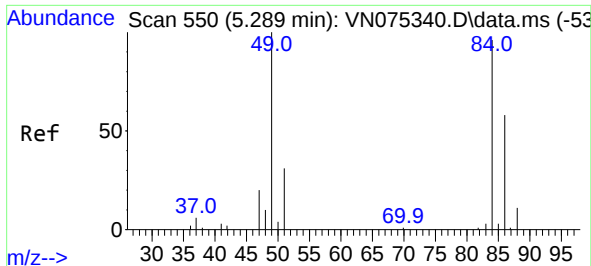
Tgt Ion: 43 Resp: 19590
Ion Ratio Lower Upper
43 100
58 30.7 25.5 38.3



#18
Methyl Acetate
Concen: 1.188 ug/l
RT: 5.041 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 43 Resp: 4897
Ion Ratio Lower Upper
43 100
74 28.0 22.0 33.0

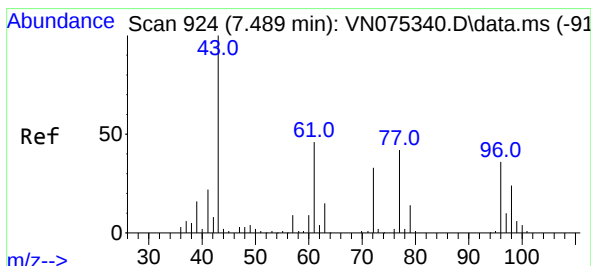
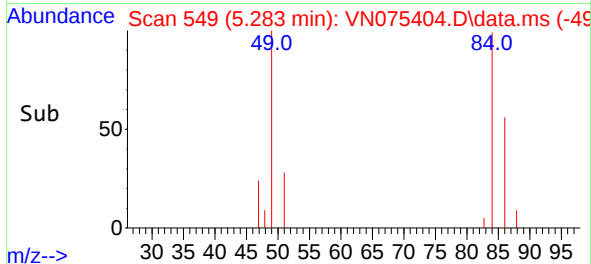
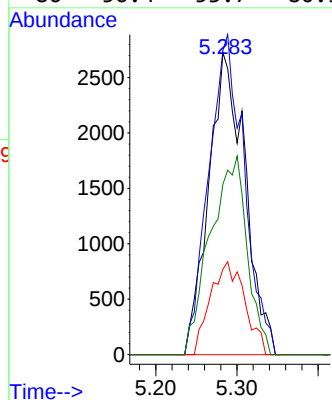
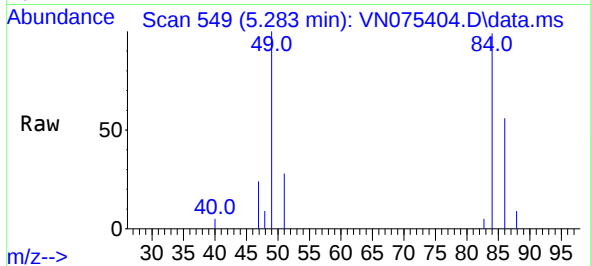




#20
Methylene Chloride
Concen: 4.105 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

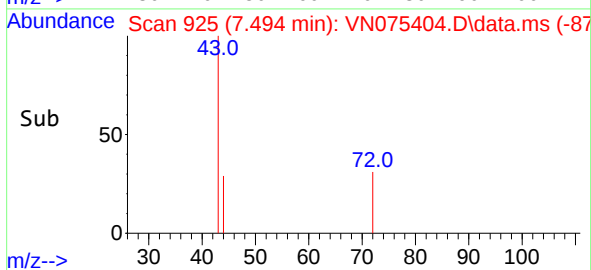
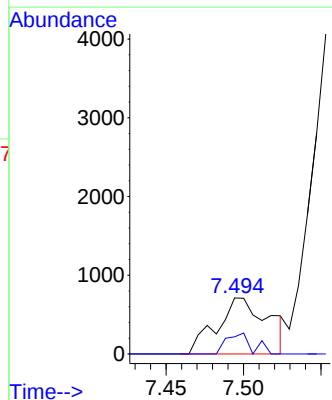
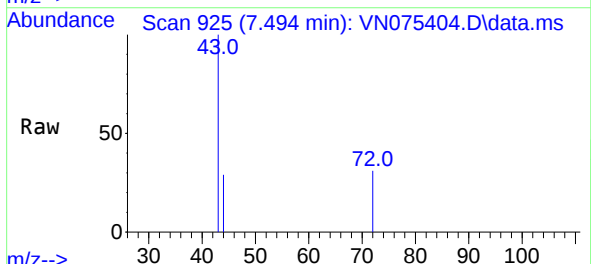
Instrument :
MSVOA_N
ClientSampleId :
TP-1

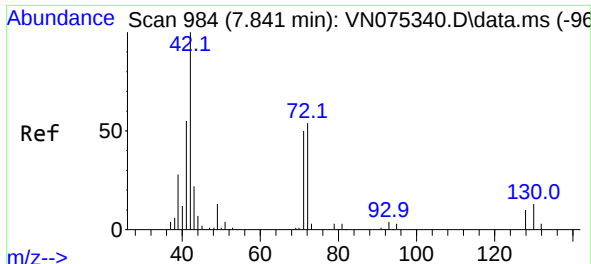
Tgt Ion:	84	Resp:	8480
Ion	Ratio	Lower	Upper
84	100		
49	100.7	94.9	142.3
51	28.2	26.8	40.2
86	56.4	53.7	80.5



#25
2-Butanone
Concen: 1.469 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion:	43	Resp:	1625
Ion	Ratio	Lower	Upper
43	100		
72	30.7	25.5	38.3

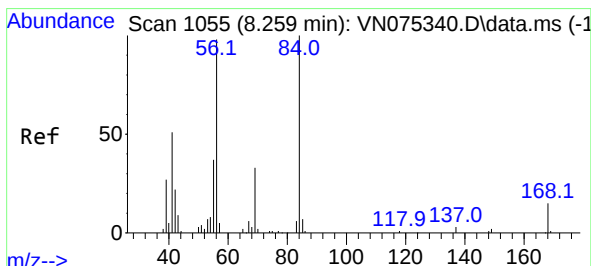
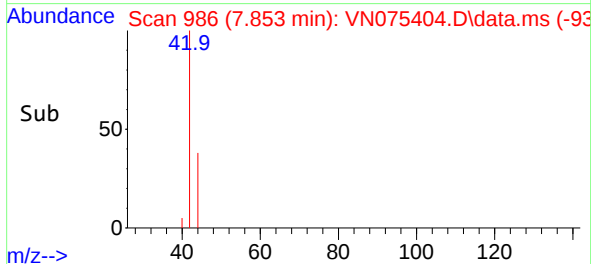
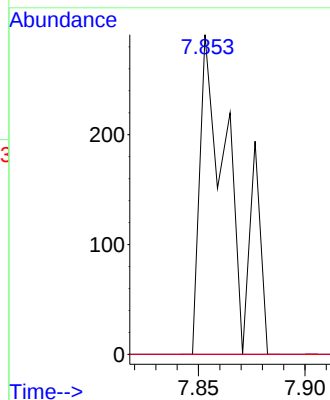
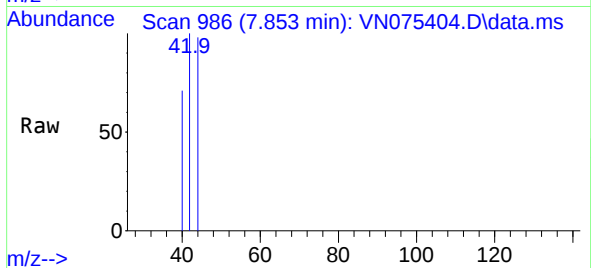




#29
Tetrahydrofuran
Concen: 0.449 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

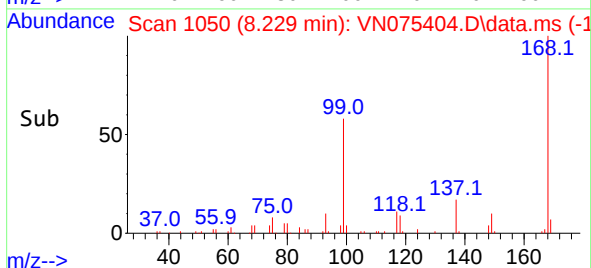
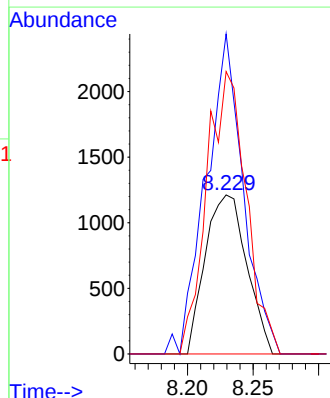
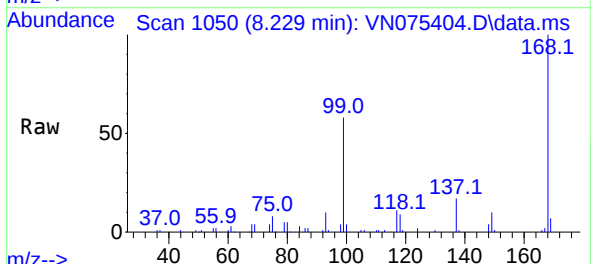
Instrument :
MSVOA_N
ClientSampleId :
TP-1

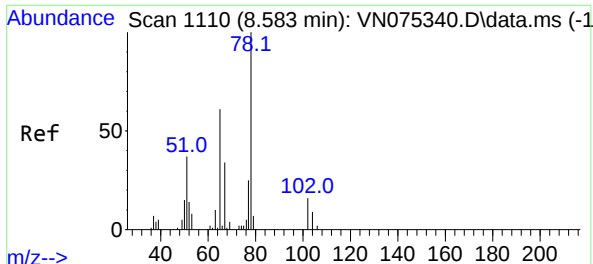
Tgt Ion: 42 Resp: 302
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 0.988 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 56 Resp: 2667
Ion Ratio Lower Upper
56 100
69 201.2 25.2 37.8#
84 177.6 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 50.903 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.005 min

Lab File: VN075404.D

Acq: 23 Nov 2022 18:23

Instrument :

MSVOA_N

ClientSampleId :

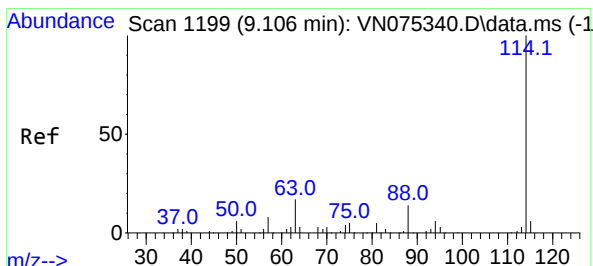
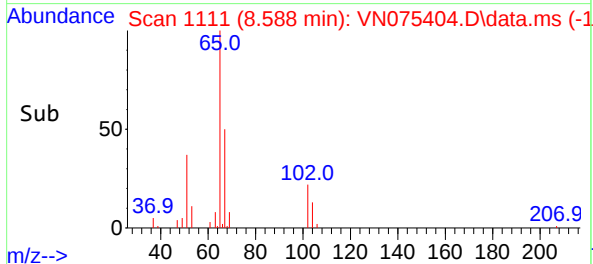
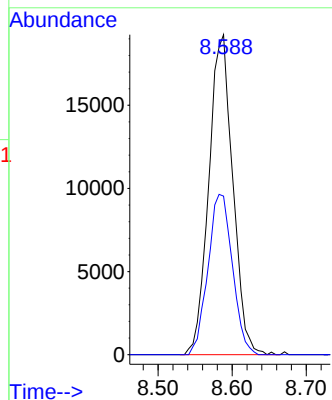
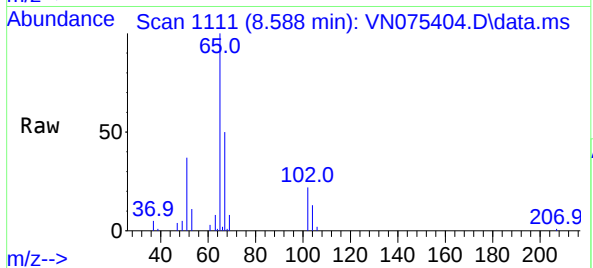
TP-1

Tgt Ion: 65 Resp: 43235

Ion Ratio Lower Upper

65 100

67 51.2 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: VN075404.D

Acq: 23 Nov 2022 18:23

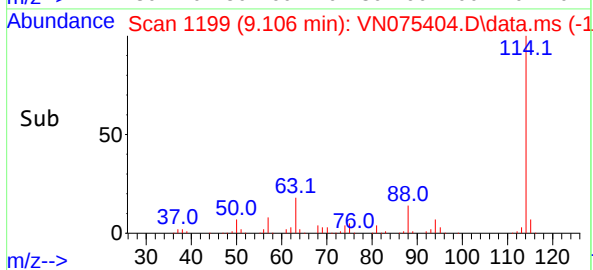
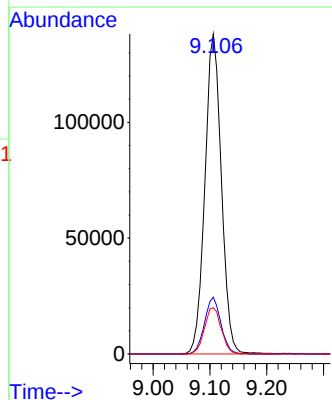
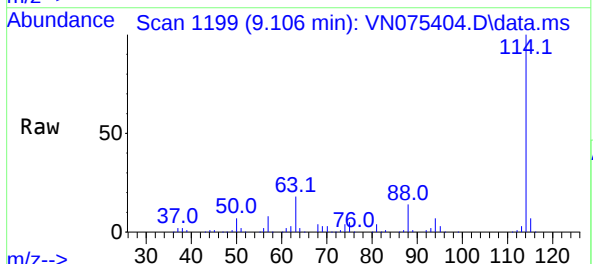
Tgt Ion: 114 Resp: 277642

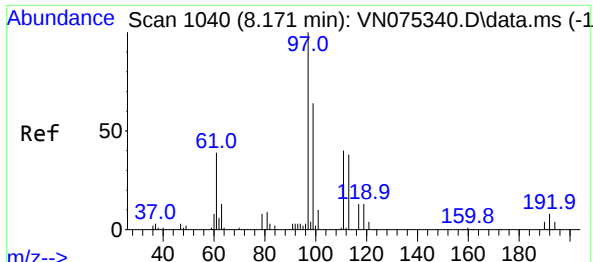
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.4 0.0 29.0

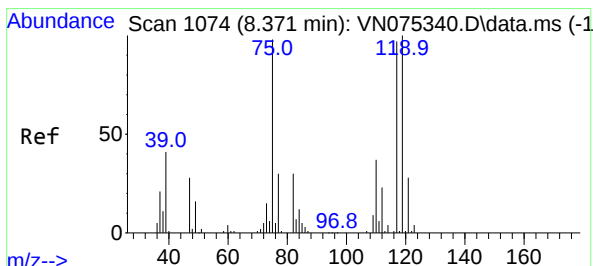
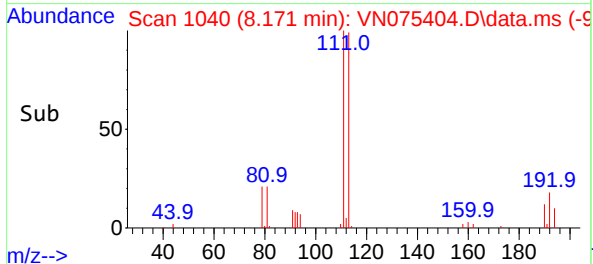
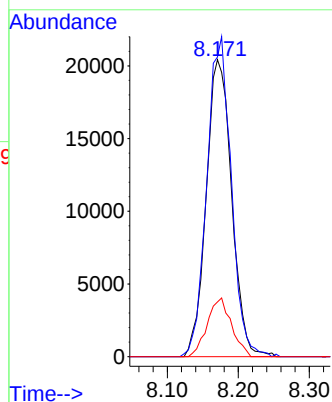
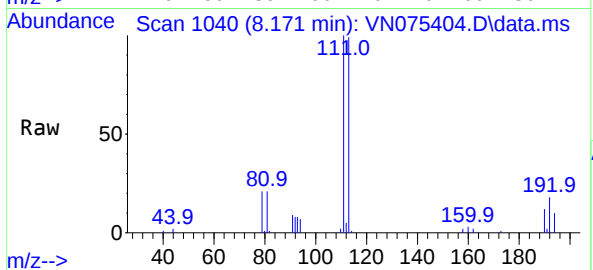




#35
Dibromofluoromethane
Concen: 46.604 ug/l
RT: 8.171 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

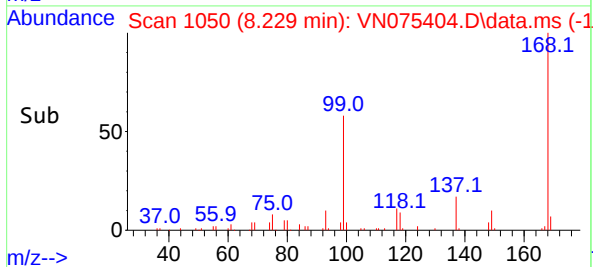
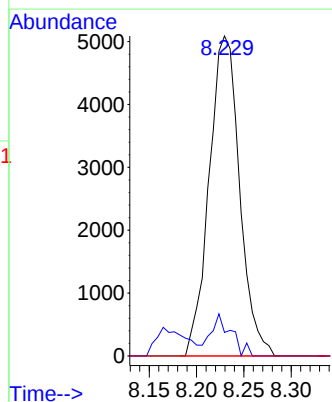
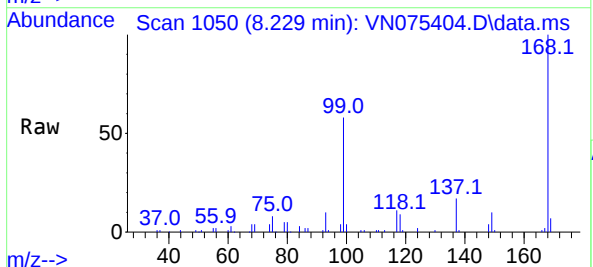
Instrument :
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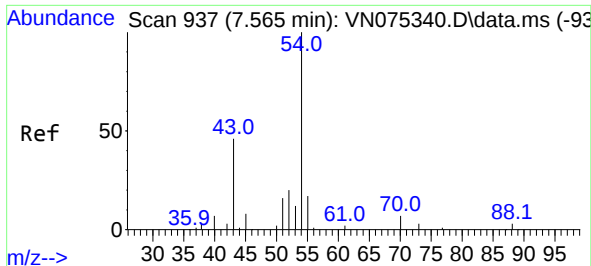
Tgt Ion:113 Resp: 50829
Ion Ratio Lower Upper
113 100
111 103.4 80.5 120.7
192 18.8 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 75 Resp: 11396
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 24.6 37.0#

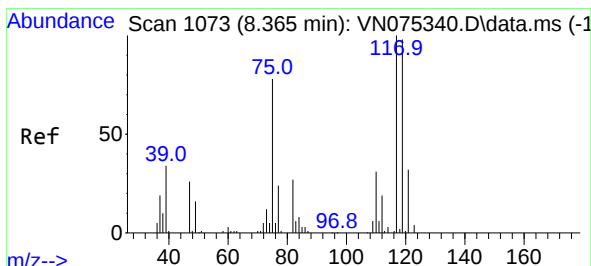
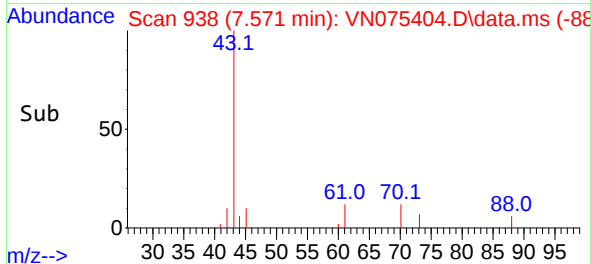
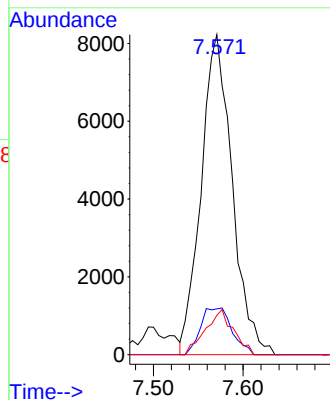
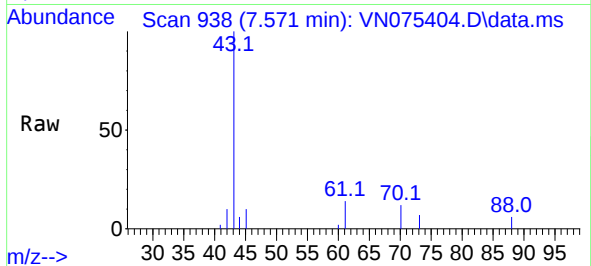




#37
Ethyl Acetate
Concen: 9.224 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

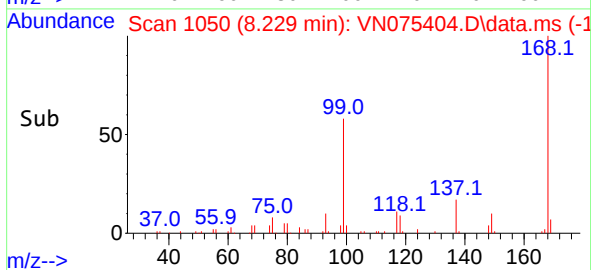
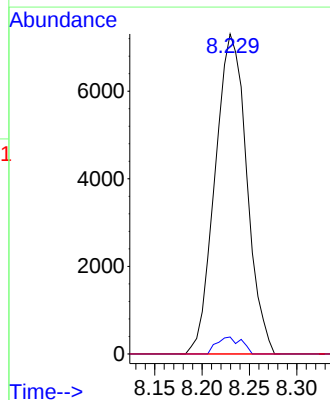
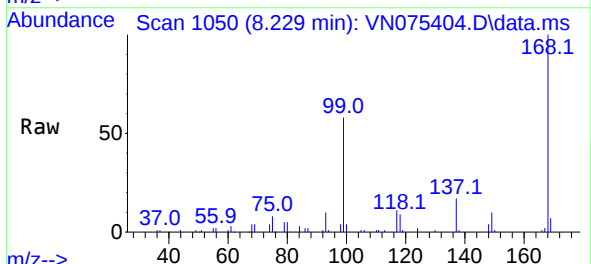
Instrument :
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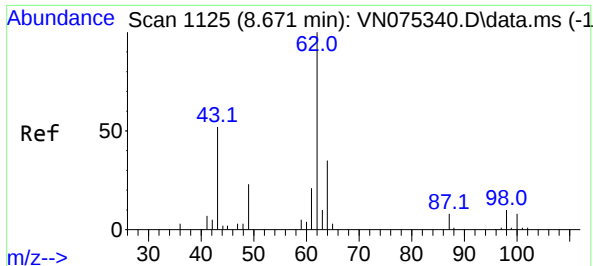
Tgt Ion:	43	Resp:	19754
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.4
70	12.7	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion:	117	Resp:	17021
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.7	115.1#
121	0.0	23.9	35.9#

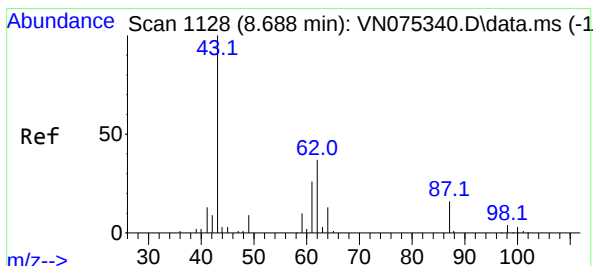
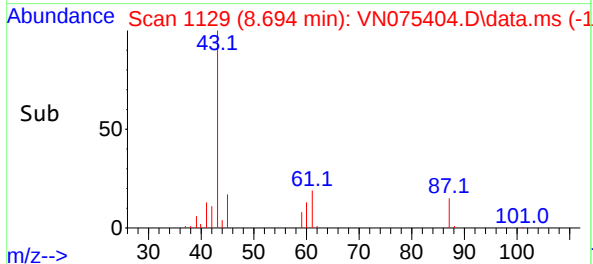
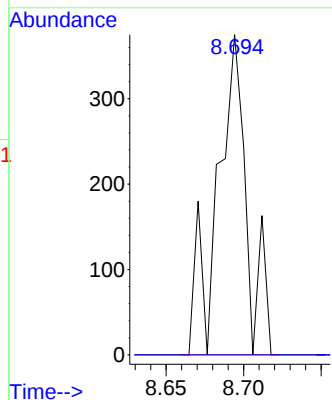
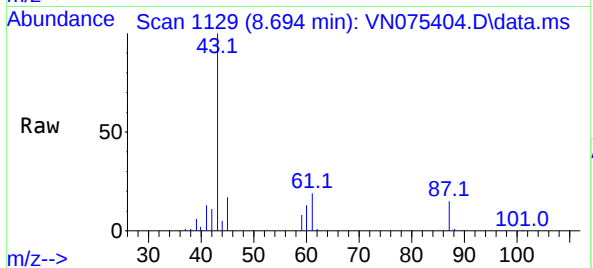




#42
1,2-Dichloroethane
Concen: 0.205 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.023 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

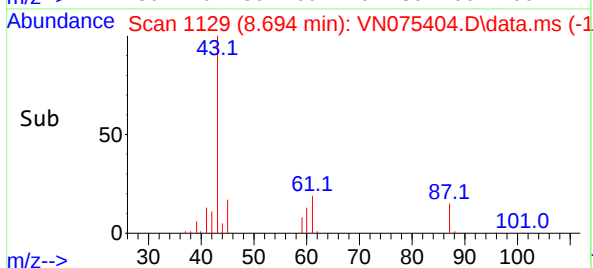
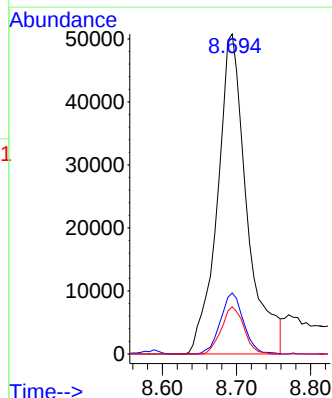
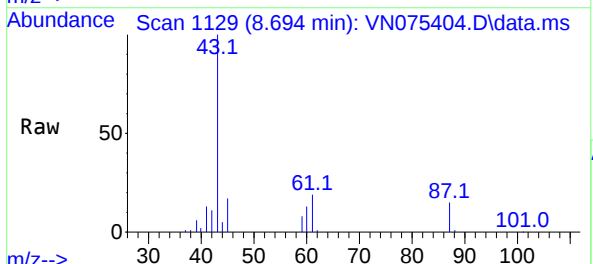
Instrument :
MSVOA_N
ClientSampleId :
TP-1

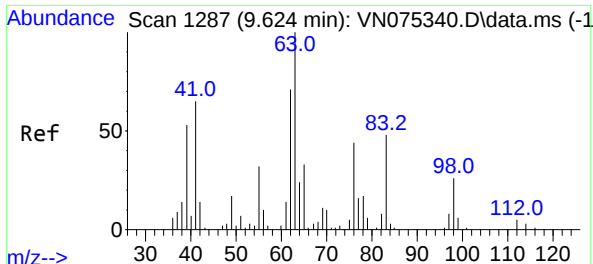
Tgt Ion: 62 Resp: 499
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 40.755 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 43 Resp: 140102
Ion Ratio Lower Upper
43 100
61 15.0 22.4 33.6#
87 11.2 12.5 18.7#

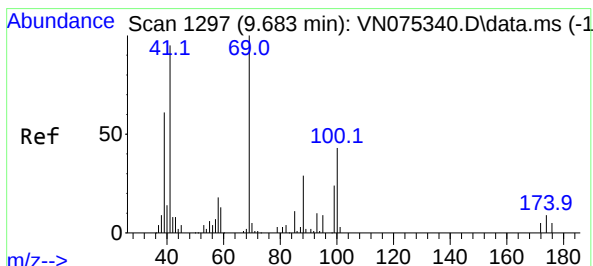
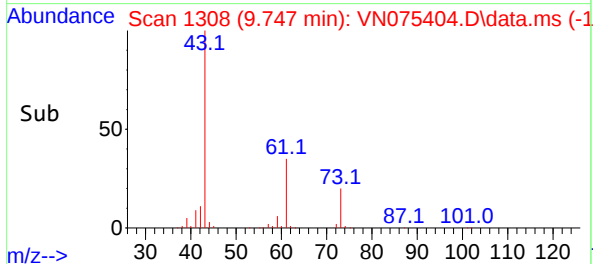
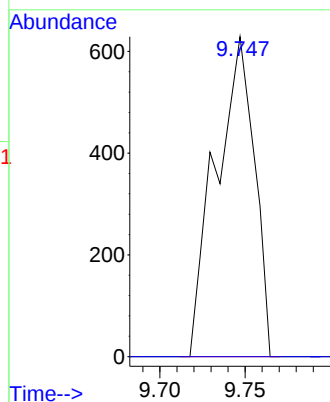
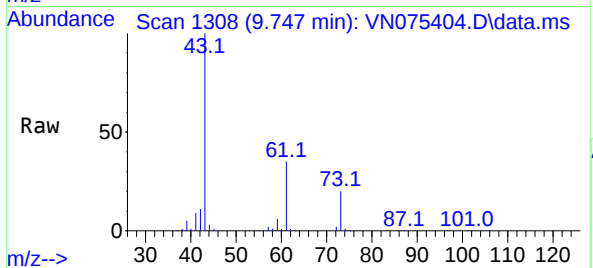




#45
1,2-Dichloropropane
Concen: 0.572 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

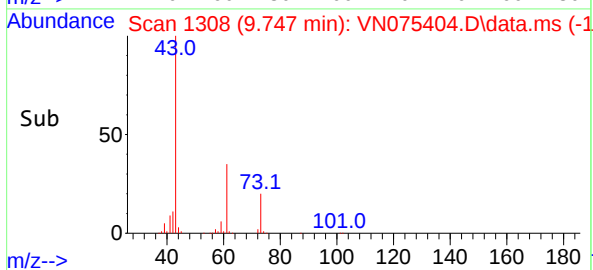
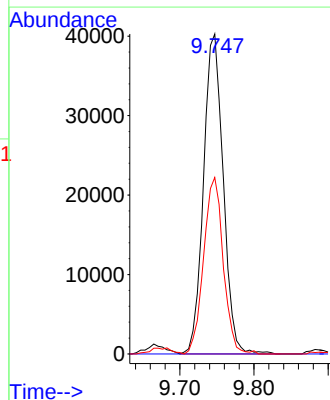
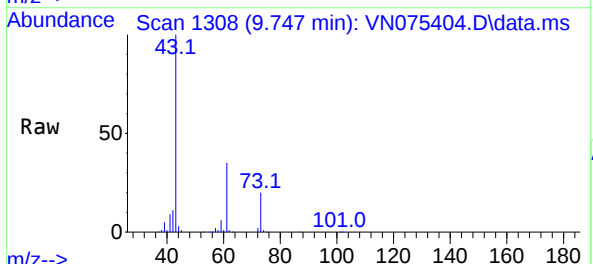
Instrument :
MSVOA_N
ClientSampleId :
TP-1

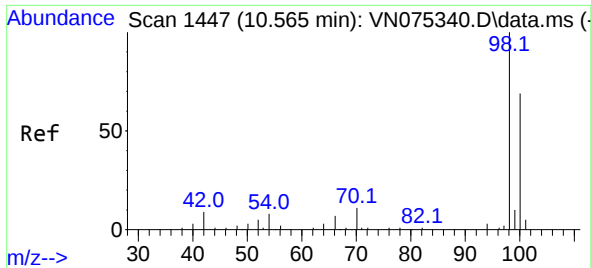
Tgt Ion: 63 Resp: 992
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 46.770 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.064 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 41 Resp: 74343
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 54.9 56.2 84.2#

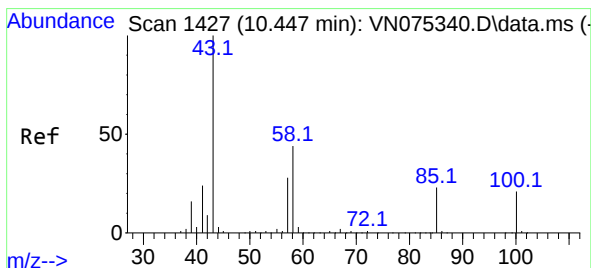
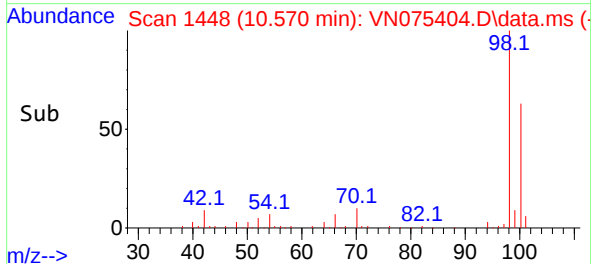
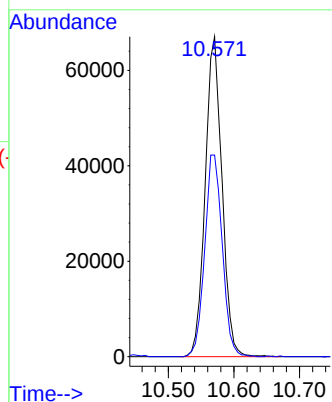
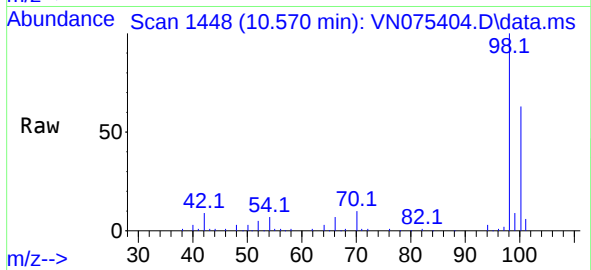




#50
Toluene-d8
Concen: 48.630 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. 0.005 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

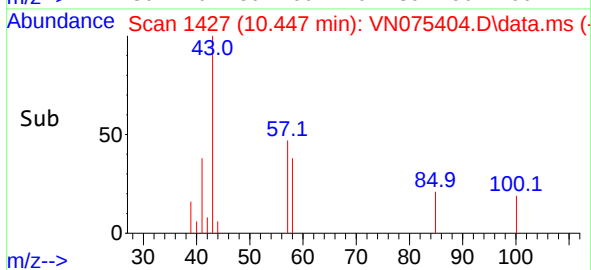
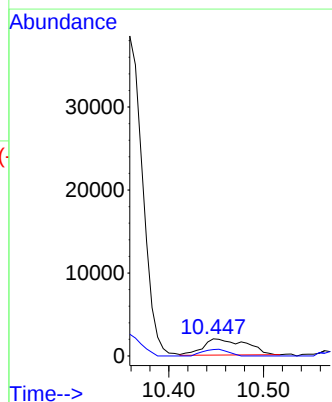
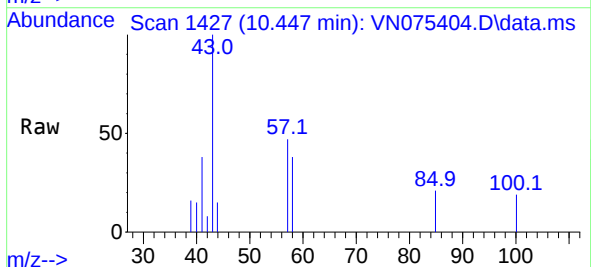
Instrument :
MSVOA_N
ClientSampleId :
TP-1

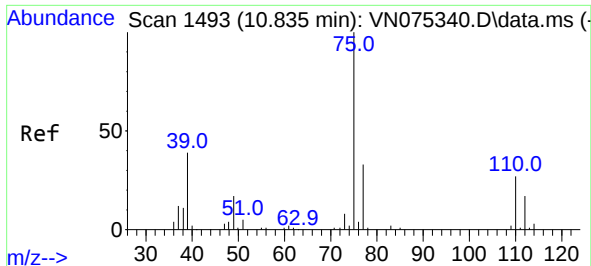
Tgt Ion: 98 Resp: 119459
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.844 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 43 Resp: 6227
Ion Ratio Lower Upper
43 100
58 24.2 33.6 50.4#

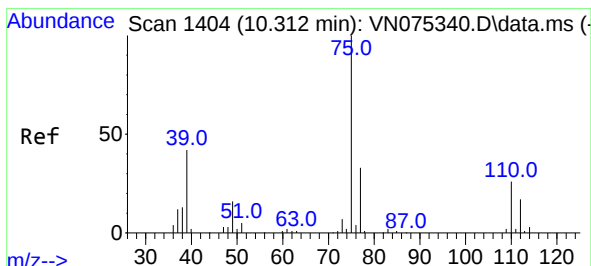
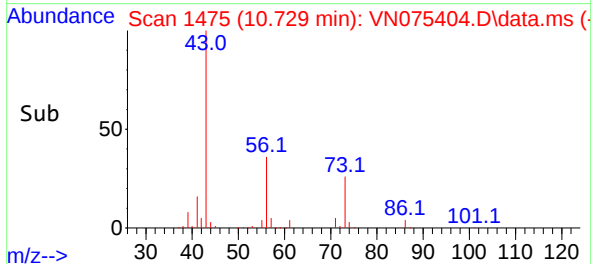
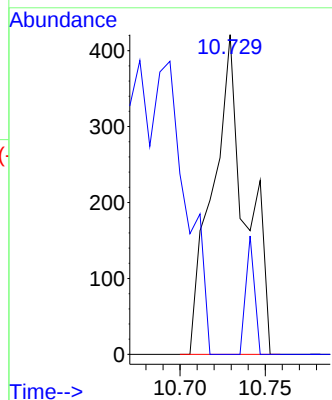
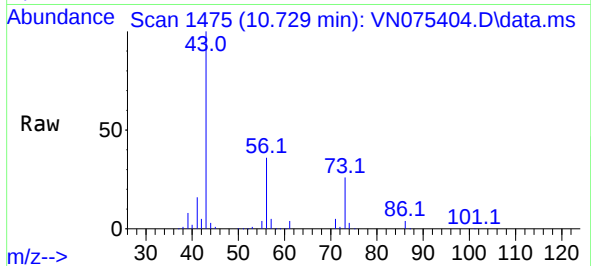




#53
t-1,3-Dichloropropene
Concen: 0.224 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

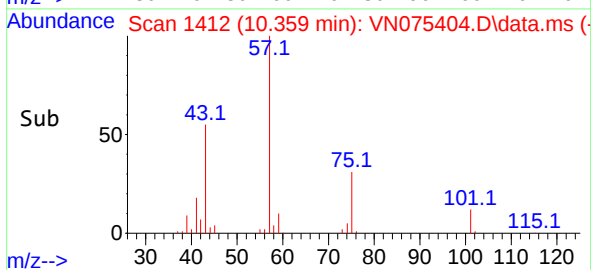
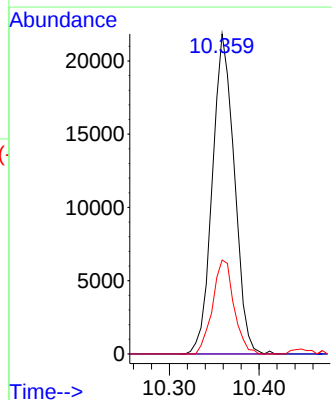
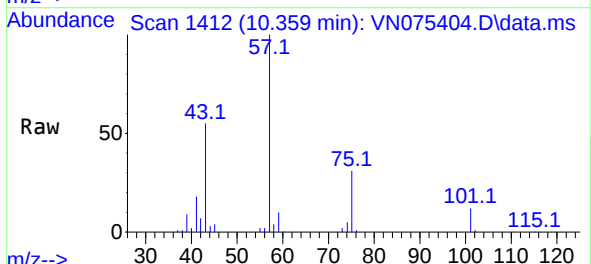
Instrument :
MSVOA_N
ClientSampleId :
TP-1

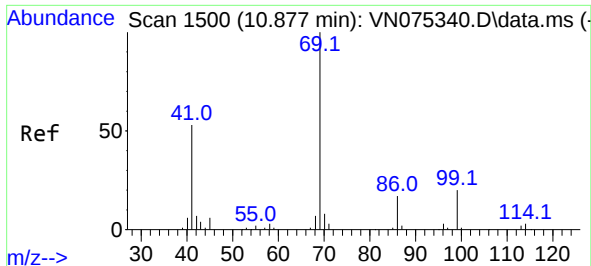
Tgt Ion: 75 Resp: 571
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 13.424 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 75 Resp: 37206
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 29.3 35.8 53.6#

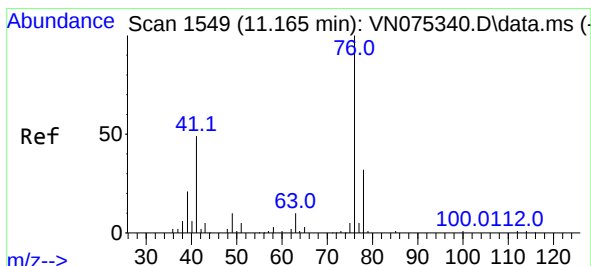
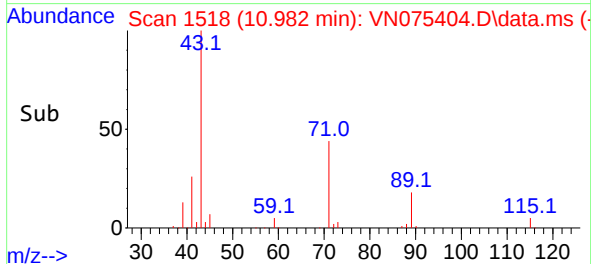
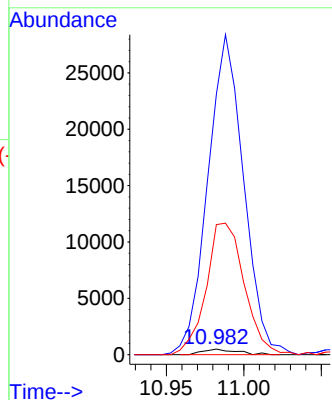
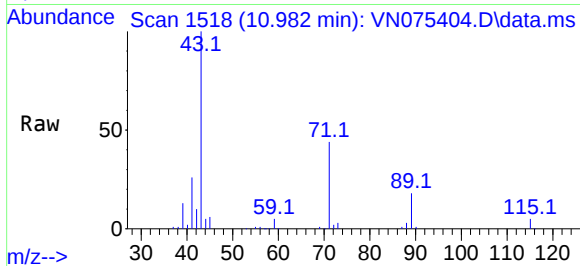




#56
Ethyl methacrylate
Concen: 0.294 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

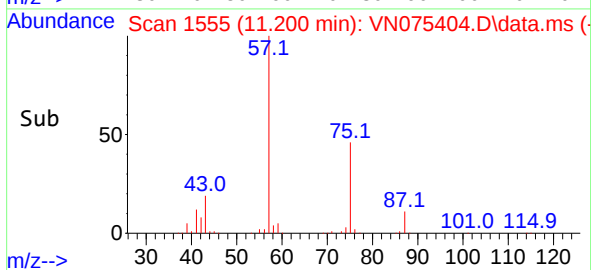
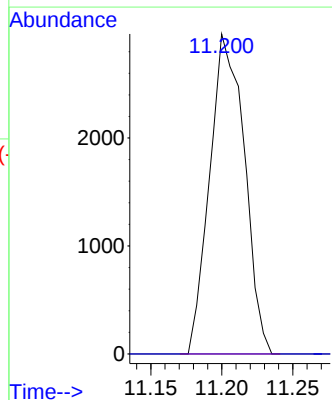
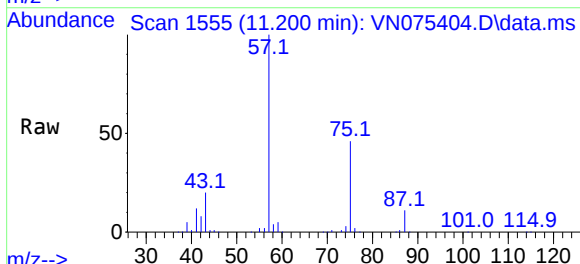
Instrument :
MSVOA_N
ClientSampleId :
TP-1

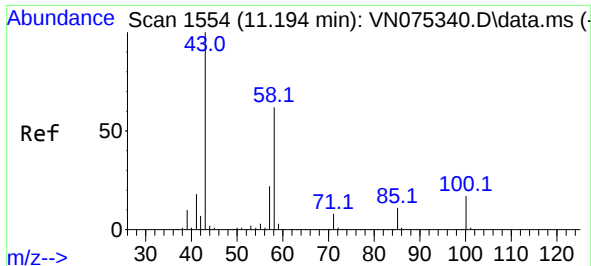
Tgt Ion: 69 Resp: 759
Ion Ratio Lower Upper
69 100
41 6007.5 45.6 68.4#
39 2629.0 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.613 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 76 Resp: 5027
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

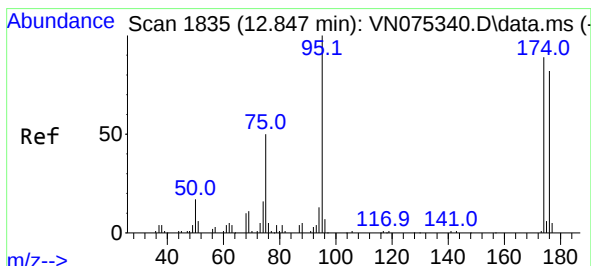
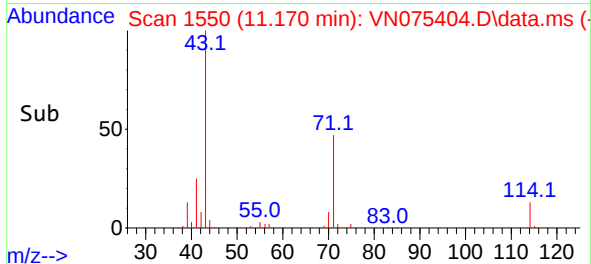
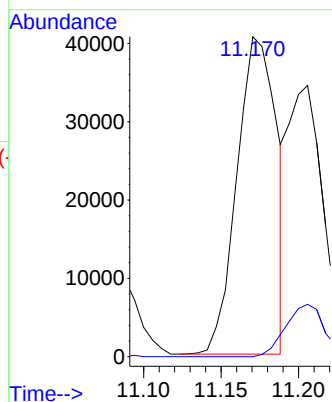
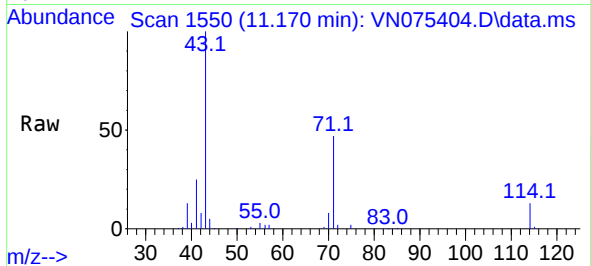




#59
2-Hexanone
Concen: 43.865 ug/l
RT: 11.170 min Scan# 1550
Delta R.T. -0.024 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

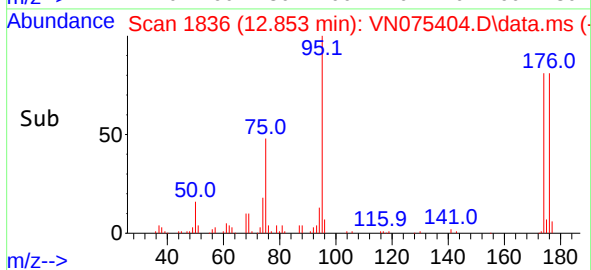
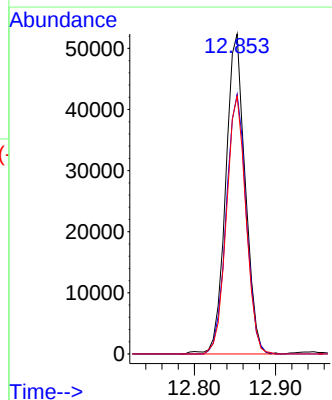
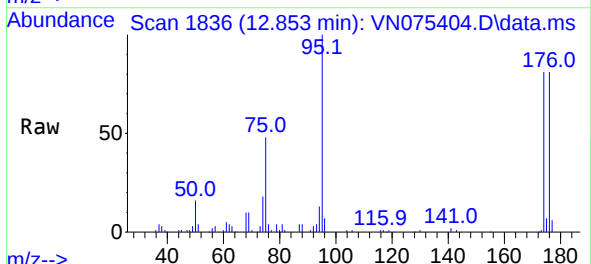
Instrument :
MSVOA_N
ClientSampleId :
TP-1

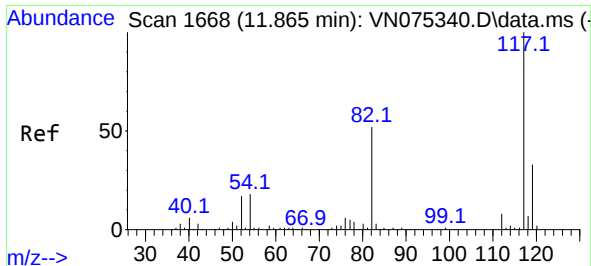
Tgt Ion: 43 Resp: 72118
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.116 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 95 Resp: 87241
Ion Ratio Lower Upper
95 100
174 82.8 0.0 147.4
176 80.3 0.0 142.2

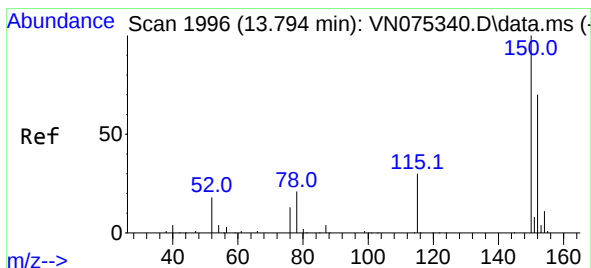
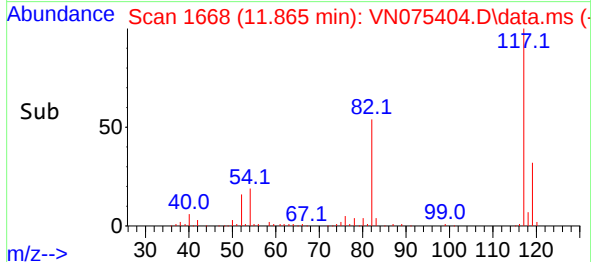
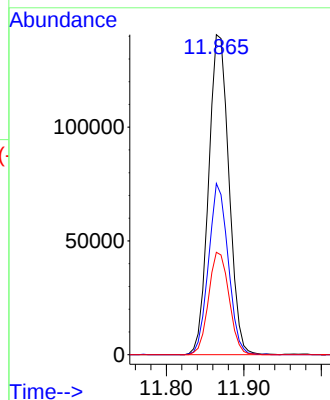
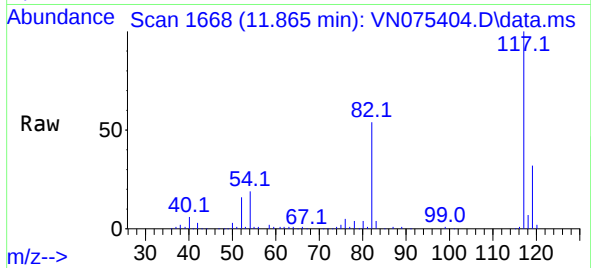




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

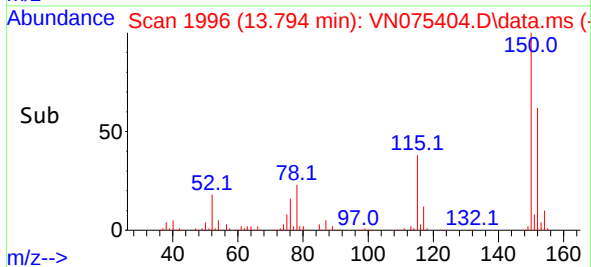
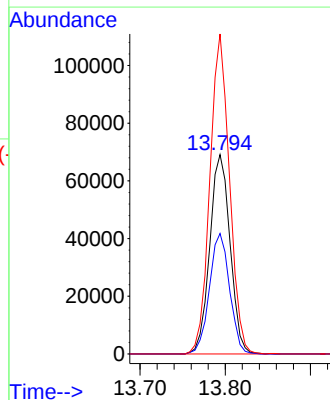
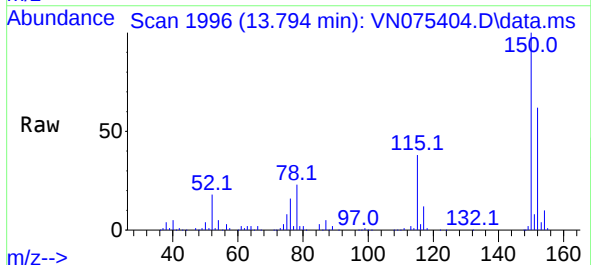
Instrument :
MSVOA_N
ClientSampleId :
TP-1

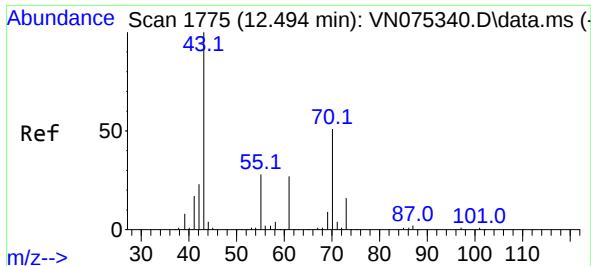
Tgt Ion:117 Resp: 255942
Ion Ratio Lower Upper
117 100
82 53.5 43.1 64.7
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion:152 Resp: 114365
Ion Ratio Lower Upper
152 100
115 60.0 30.2 90.6
150 154.7 0.0 348.4

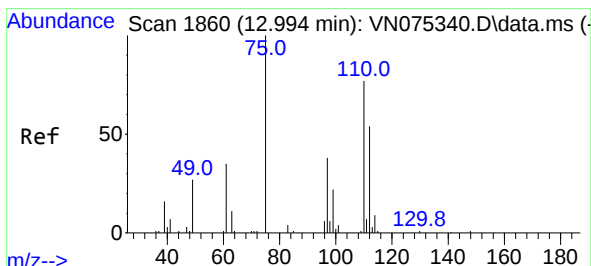
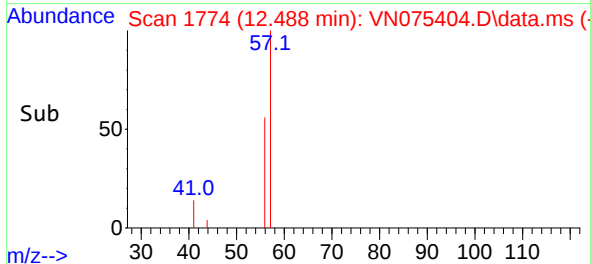
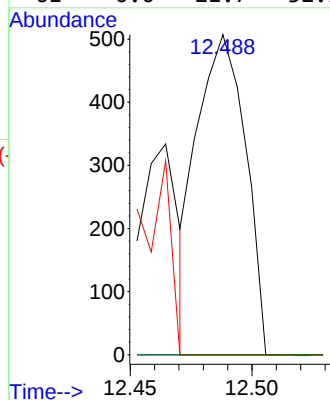
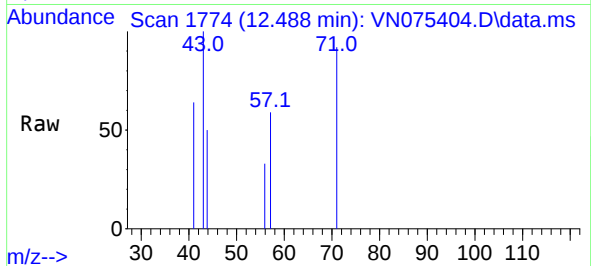




#74
N-amy1 acetate
Concen: 0.272 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

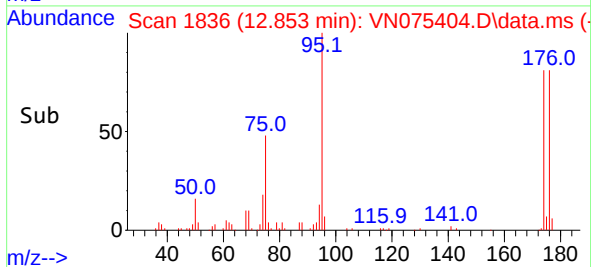
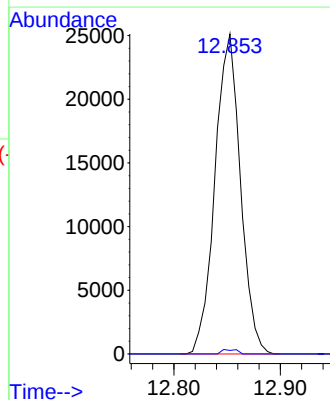
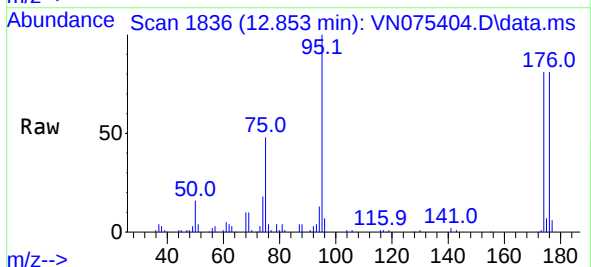
Instrument :
MSVOA_N
ClientSampleId :
TP-1

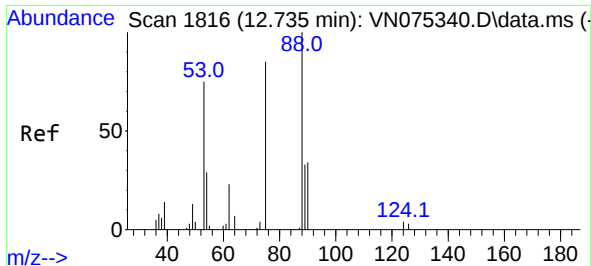
Tgt Ion: 43	Resp: 698
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 19.299 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion: 75	Resp: 41730
Ion Ratio	Lower Upper
75 100	
77 0.8	75.6 226.8#

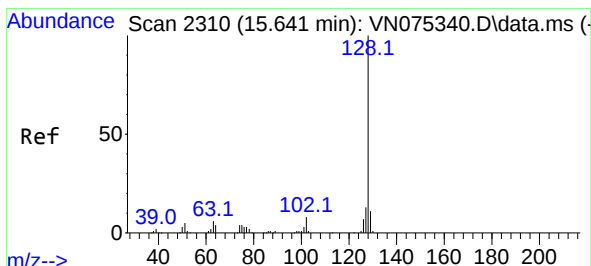
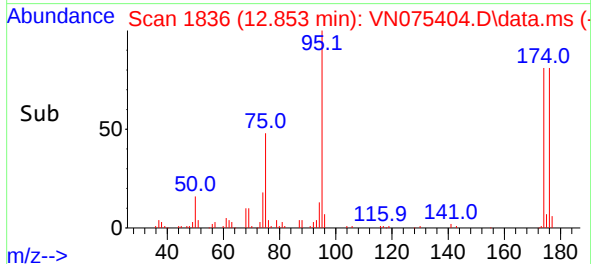
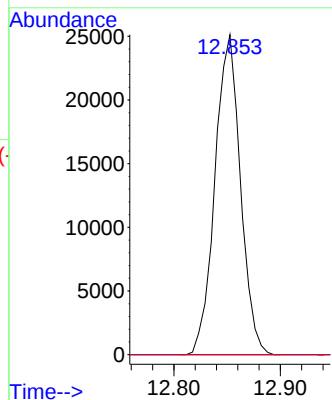
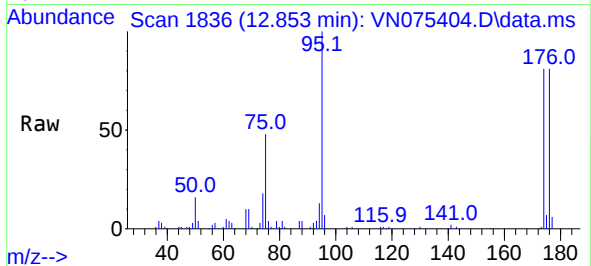




#81
trans-1,4-Dichloro-2-butene
Concen: 57.100 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 41730
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.834 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075404.D
Acq: 23 Nov 2022 18:23

Tgt Ion:128 Resp: 5125
Ion Ratio Lower Upper
128 100
127 7.3 10.4 15.6#
129 6.4 8.6 12.8#

