

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075500.D
 Acq On : 30 Nov 2022 14:40
 Operator : JC\MD
 Sample : PB149341ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#04

Quant Time: Dec 01 02:15:55 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)

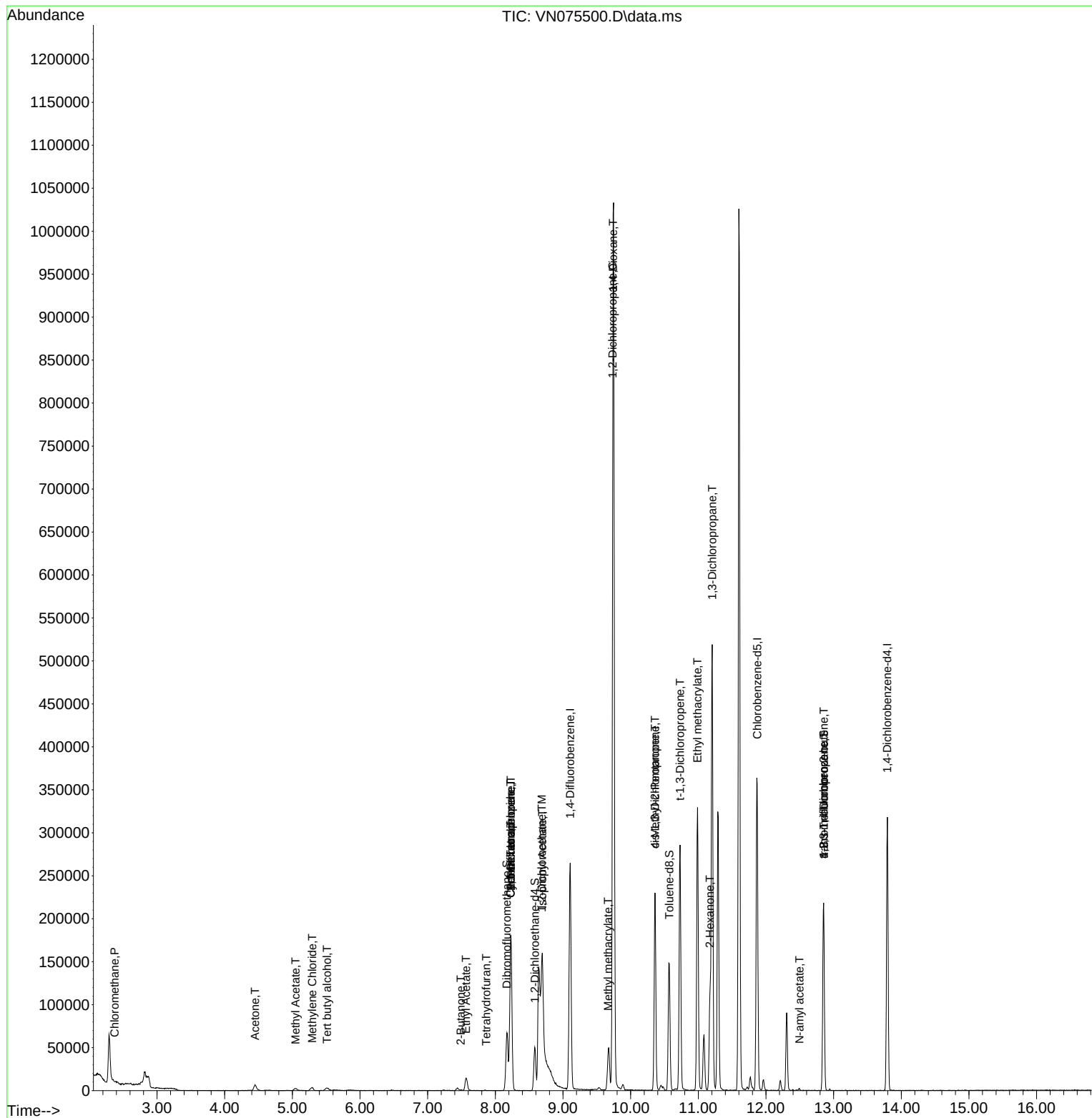
Internal Standards						
1) Pentafluorobenzene	8.230	168	138218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	245162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	223466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	40354	54.390	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.780%	
35) Dibromofluoromethane	8.171	113	48847	50.720	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.440%	
50) Toluene-d8	10.571	98	108182	49.874	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	12.853	95	75057	46.880	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	267	0.203	ug/l #	42
11) Tert butyl alcohol	5.512	59	3058	9.818	ug/l #	72
16) Acetone	4.448	43	12771	18.454	ug/l	93
18) Methyl Acetate	5.048	43	5551	1.937	ug/l #	58
20) Methylene Chloride	5.295	84	3420	1.189	ug/l #	73
25) 2-Butanone	7.489	43	1310	1.356	ug/l #	76
29) Tetrahydrofuran	7.865	42	425	0.723	ug/l #	26
31) Cyclohexane	8.224	56	2594	1.100	ug/l #	2
36) 1,1-Dichloropropene	8.230	75	10359	4.932	ug/l #	49
37) Ethyl Acetate	7.565	43	22268	11.775	ug/l	99
38) Carbon Tetrachloride	8.224	117	13943	6.043	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1221	0.567	ug/l #	75
43) Isopropyl Acetate	8.694	43	227787	75.041	ug/l #	74
45) 1,2-Dichloropropane	9.735	63	1216	0.794	ug/l #	42
48) Methyl methacrylate	9.665	41	2803	1.997	ug/l #	35
49) 1,4-Dioxane	9.741	88	128	3.212	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	79455	41.097	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	777	0.345	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	43811	17.901	ug/l #	64
56) Ethyl methacrylate	10.988	69	996	0.437	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5709	2.075	ug/l #	42
59) 2-Hexanone	11.171	43	84917	58.492	ug/l #	21
74) N-amyl acetate	12.494	43	1087	0.533	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	37636	21.909	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	37636	64.825	ug/l #	10

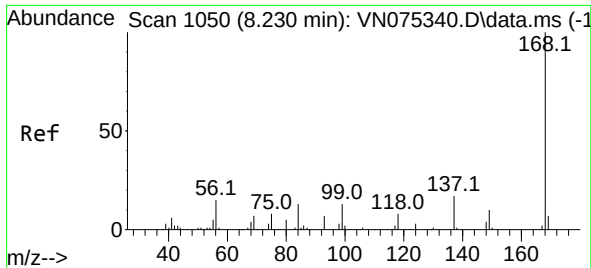
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

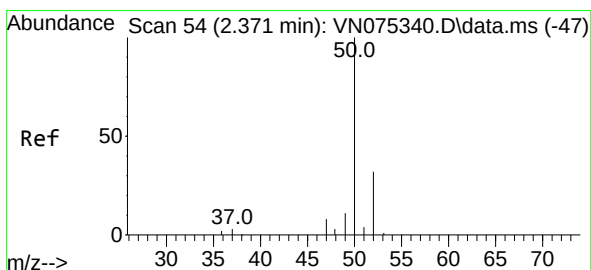
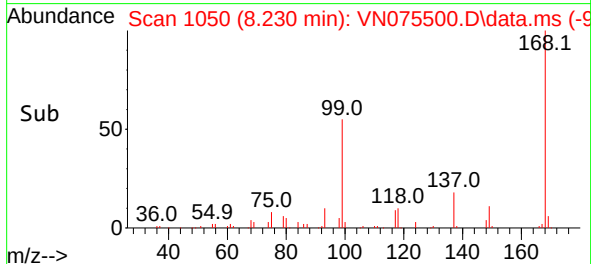
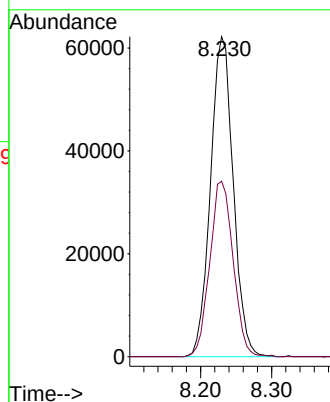
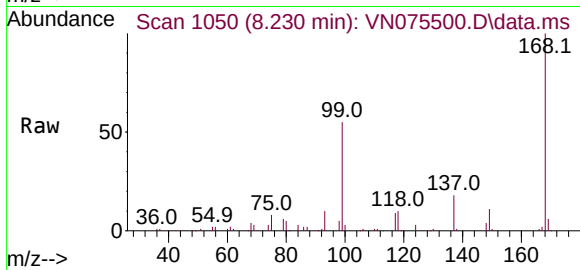




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

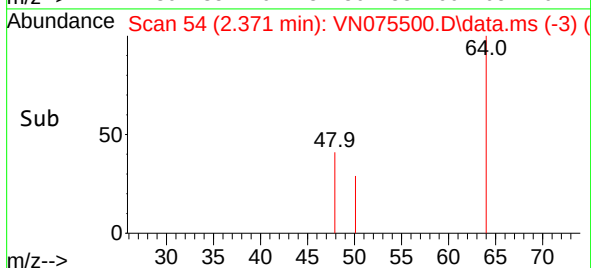
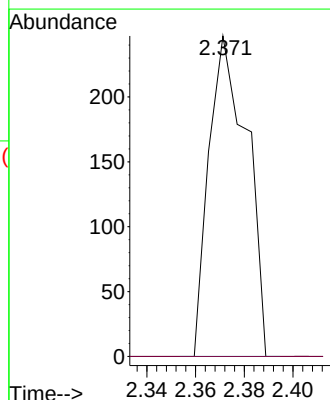
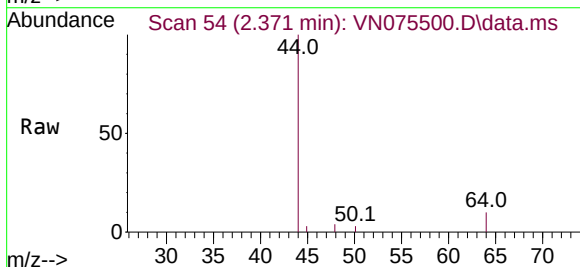
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

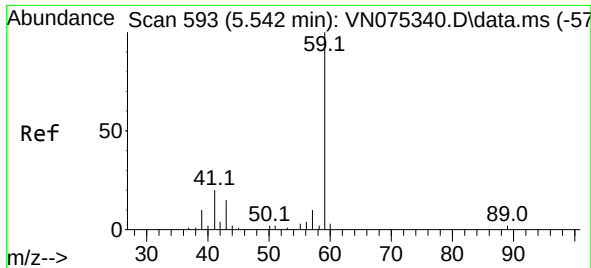
Tgt Ion:168 Resp: 138218
Ion Ratio Lower Upper
168 100
99 54.8 51.6 77.4



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 50 Resp: 267
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

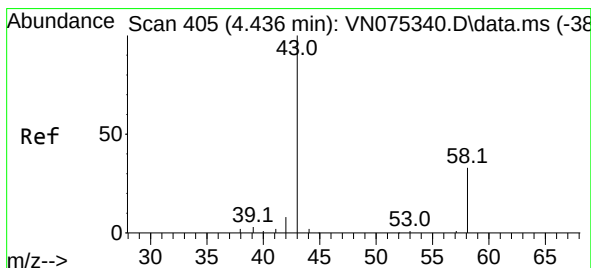
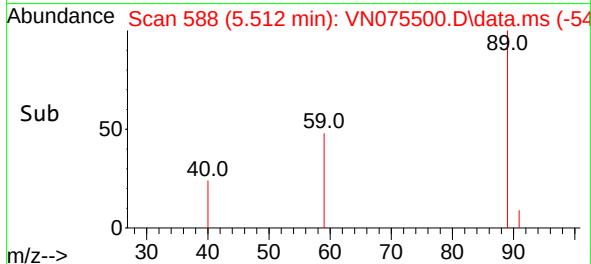
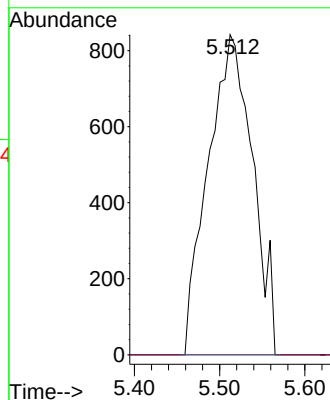
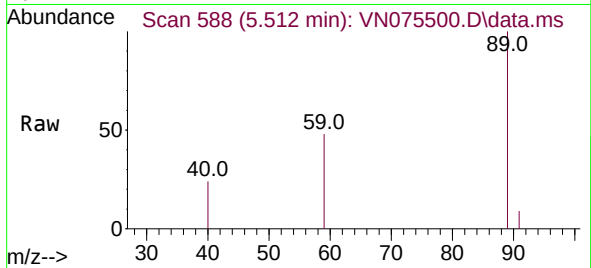




#11
Tert butyl alcohol
Concen: 9.818 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

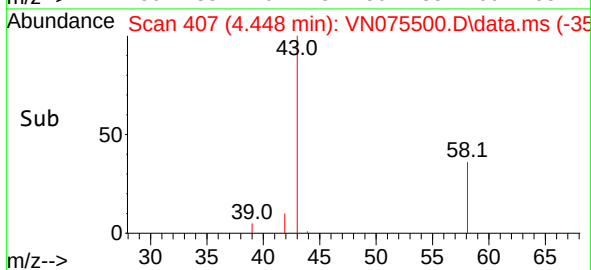
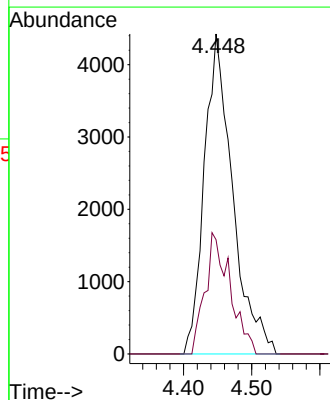
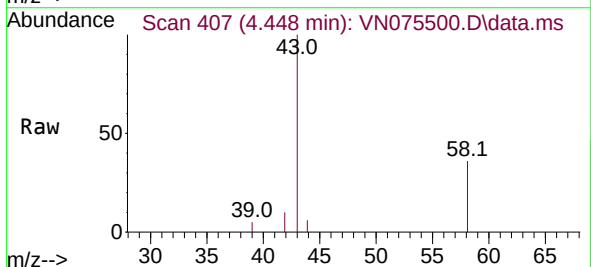
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

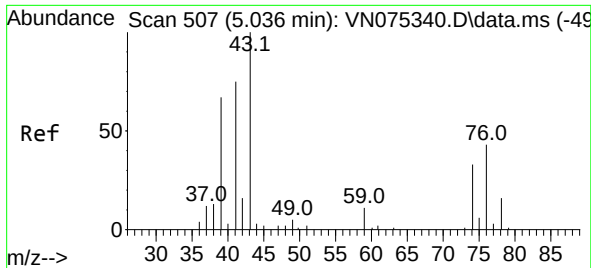
Tgt Ion: 59 Resp: 3058
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 18.454 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 43 Resp: 12771
Ion Ratio Lower Upper
43 100
58 35.7 25.5 38.3

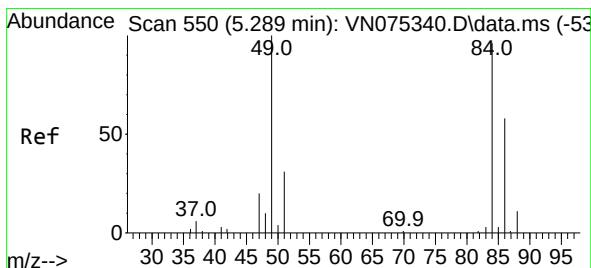
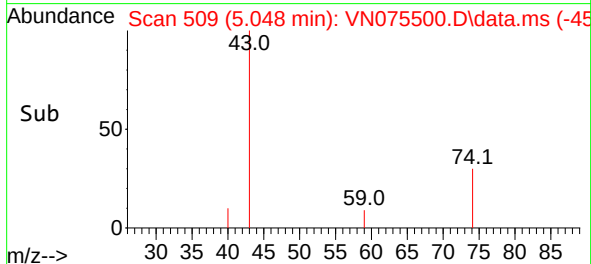
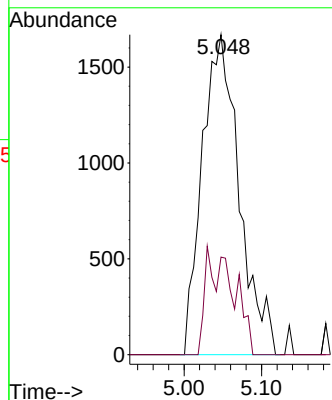
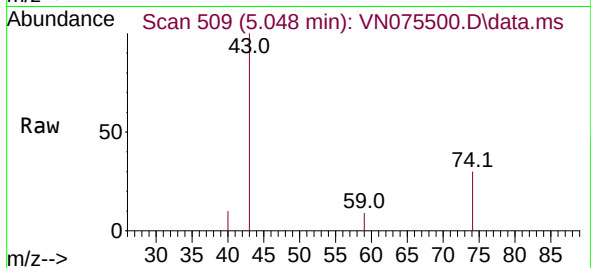




#18
Methyl Acetate
Concen: 1.937 ug/l
RT: 5.048 min Scan# 507
Delta R.T. 0.012 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

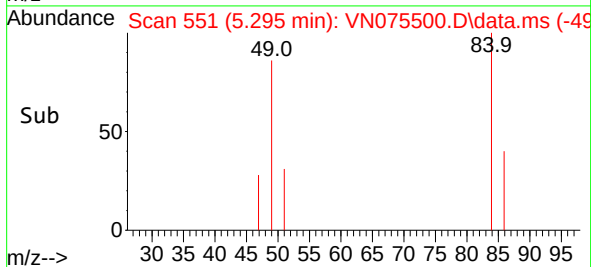
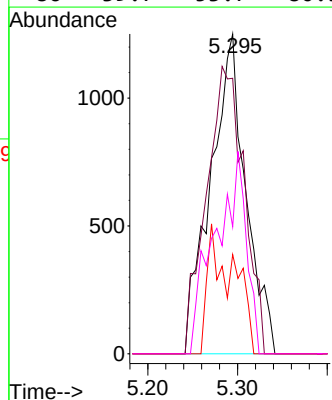
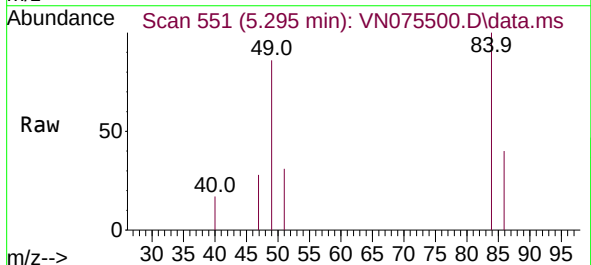
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

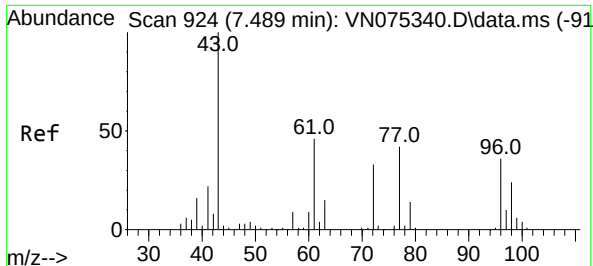
Tgt Ion: 43 Resp: 5551
Ion Ratio Lower Upper
43 100
74 5.4 22.0 33.0#



#20
Methylene Chloride
Concen: 1.189 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 84 Resp: 3420
Ion Ratio Lower Upper
84 100
49 86.2 94.9 142.3#
51 31.0 26.8 40.2
86 39.7 53.7 80.5#

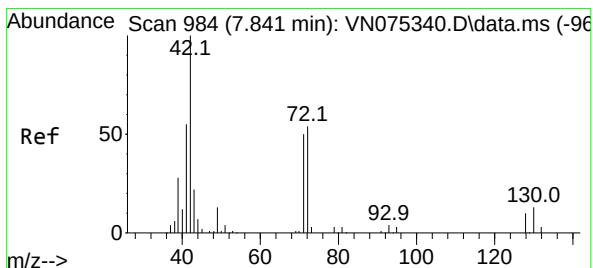
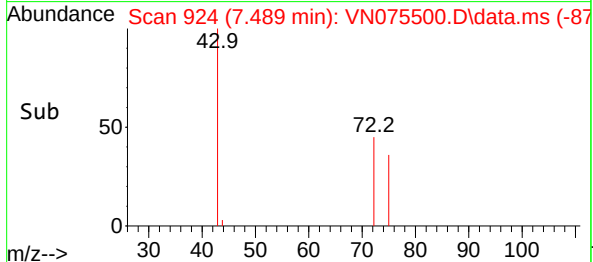
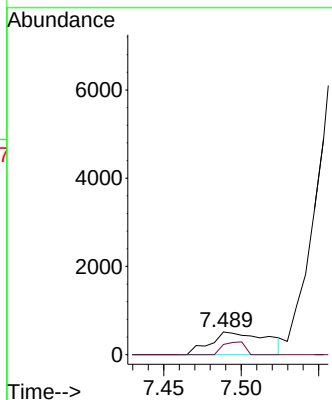
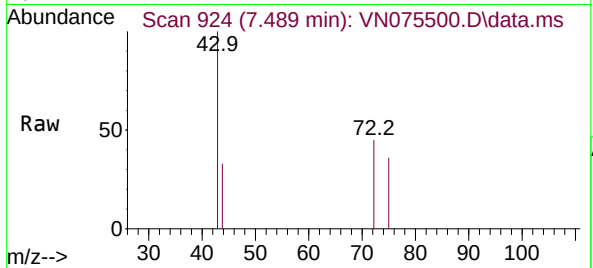




#25
2-Butanone
Concen: 1.356 ug/l
RT: 7.489 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

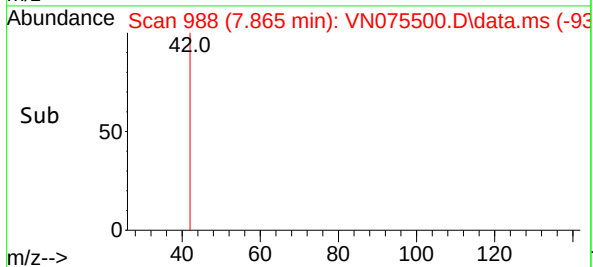
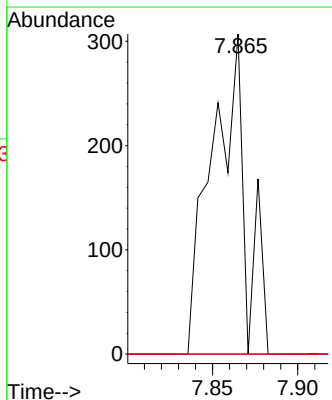
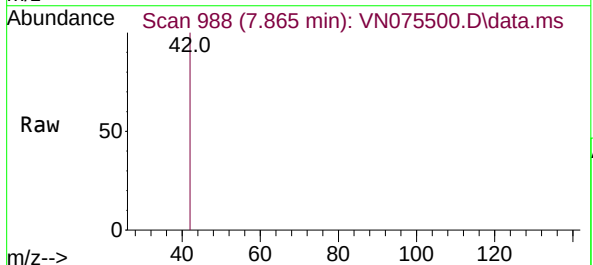
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

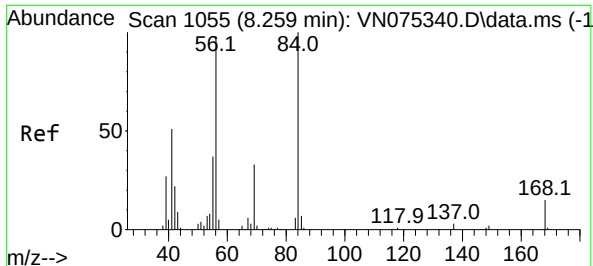
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
72 45.1 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.723 ug/l
RT: 7.865 min Scan# 988
Delta R.T. 0.024 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 42 Resp: 425
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#





#31

Cyclohexane

Concen: 1.100 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075500.D

Acq: 30 Nov 2022 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#04

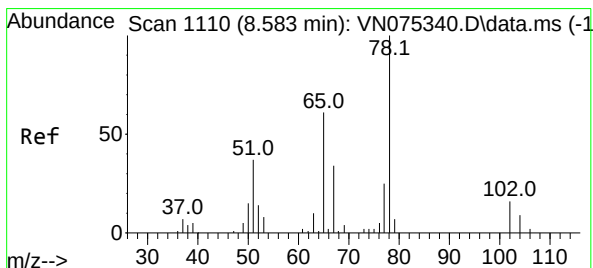
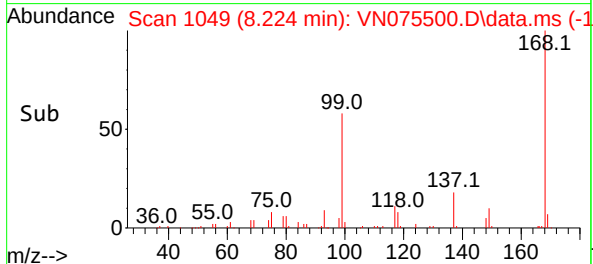
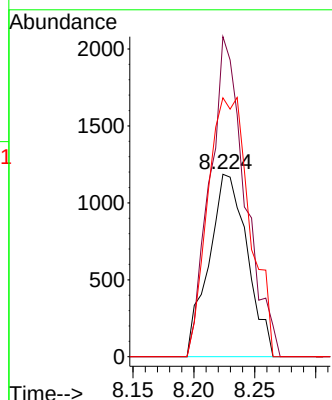
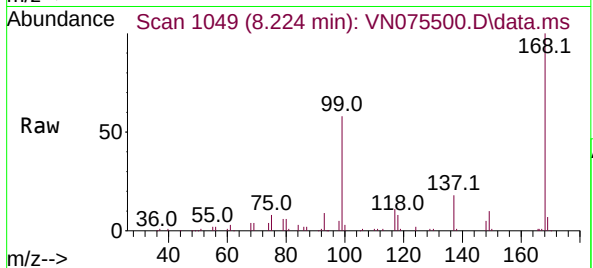
Tgt Ion: 56 Resp: 2594

Ion Ratio Lower Upper

56 100

69 175.4 25.2 37.8#

84 141.9 77.8 116.8#



#33

1,2-Dichloroethane-d4

Concen: 54.390 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075500.D

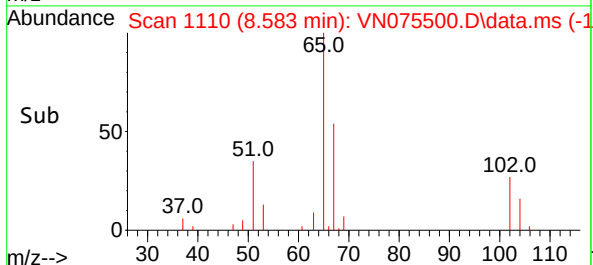
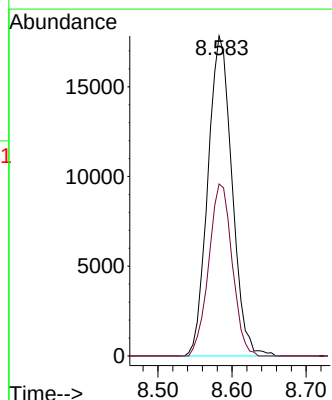
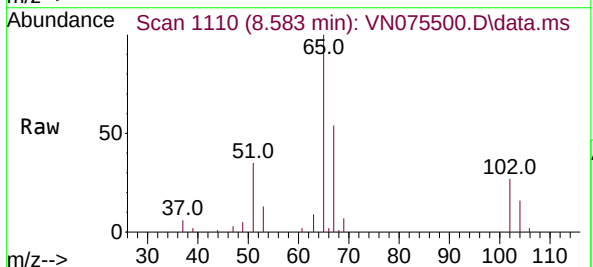
Acq: 30 Nov 2022 14:40

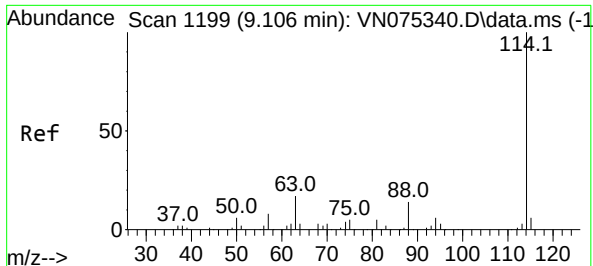
Tgt Ion: 65 Resp: 40354

Ion Ratio Lower Upper

65 100

67 52.2 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: VN075500.D

Acq: 30 Nov 2022 14:40

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#04

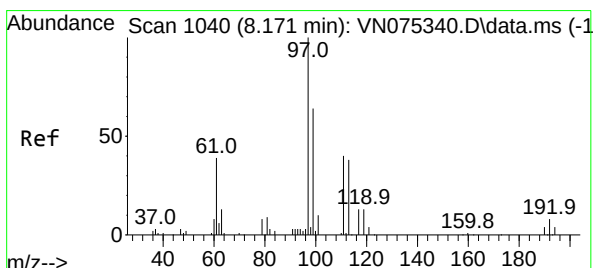
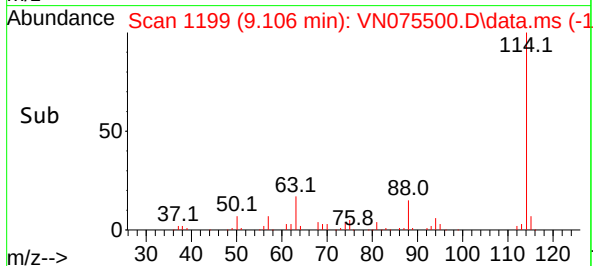
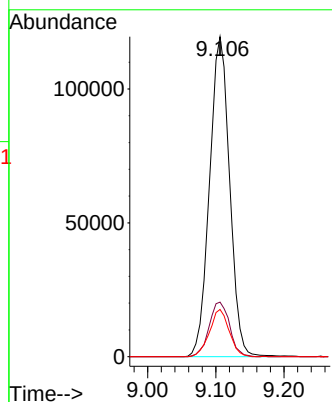
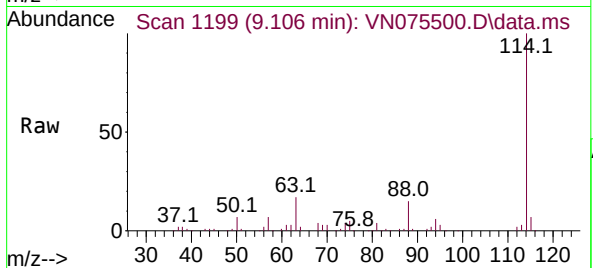
Tgt Ion:114 Resp: 245162

Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.720 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075500.D

Acq: 30 Nov 2022 14:40

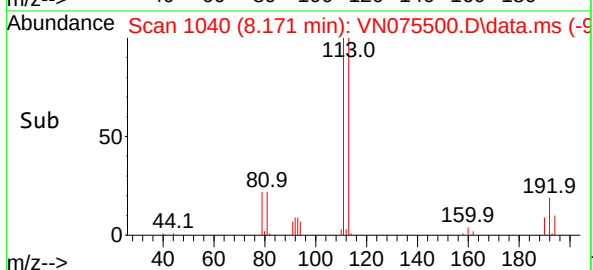
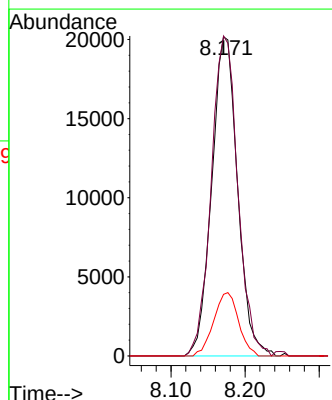
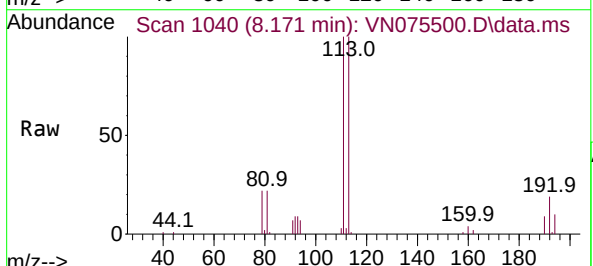
Tgt Ion:113 Resp: 48847

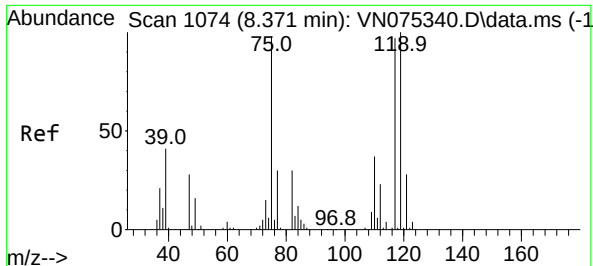
Ion Ratio Lower Upper

113 100

111 102.8 80.5 120.7

192 19.1 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN075500.D

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MSVOA_N

ClientSampleId :

PB149341ZHE#04

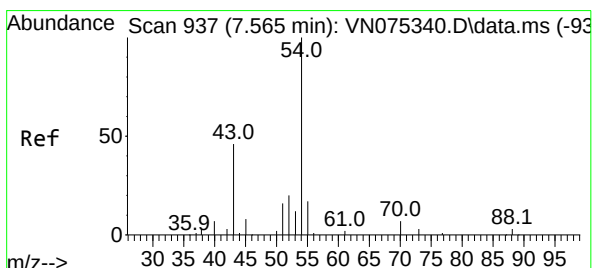
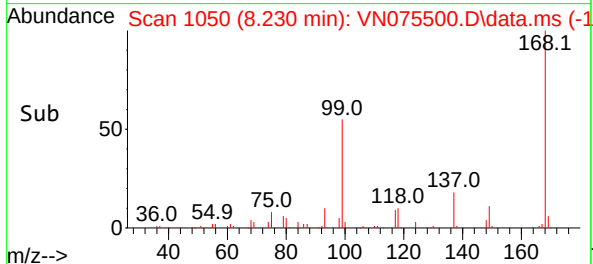
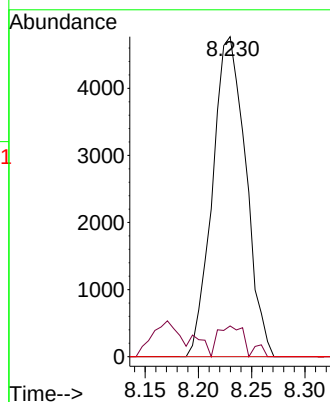
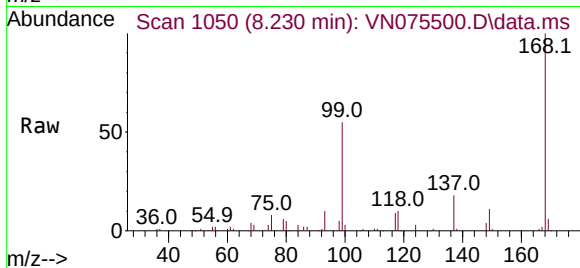
Tgt Ion: 75 Resp: 10359

Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 11.775 ug/l

RT: 7.565 min Scan# 937

Delta R.T. -0.000 min

Lab File: VN075500.D

Acq: 30 Nov 2022 14:40

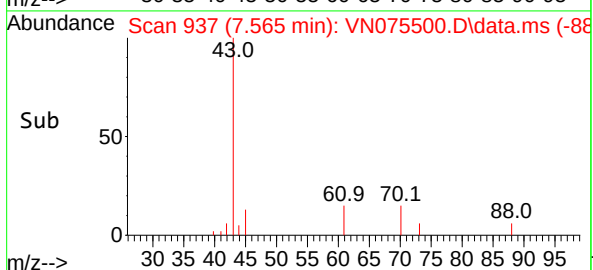
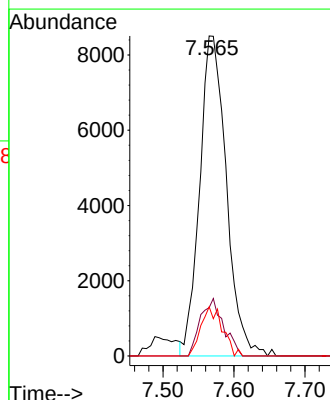
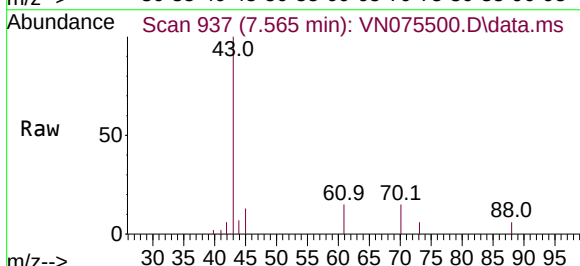
Tgt Ion: 43 Resp: 22268

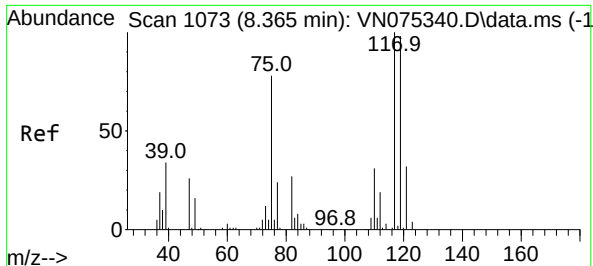
Ion Ratio Lower Upper

43 100

61 15.5 12.2 18.4

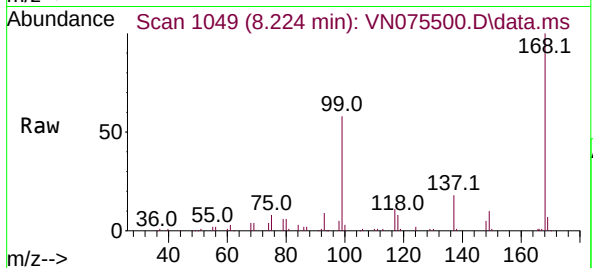
70 12.4 9.4 14.2



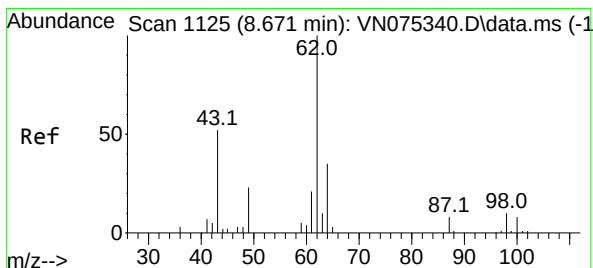
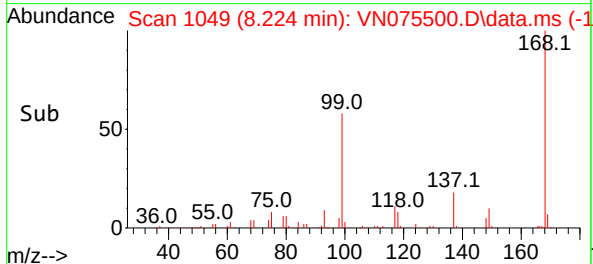
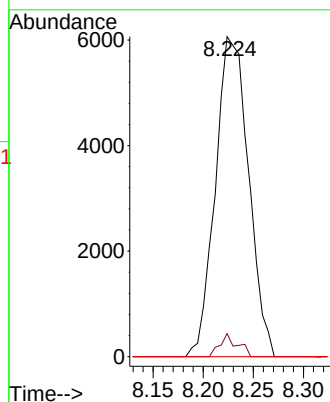


#38
Carbon Tetrachloride
Concen: 6.043 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

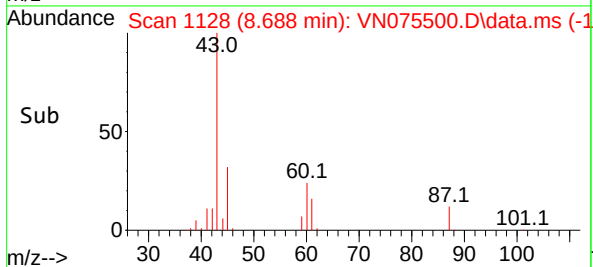
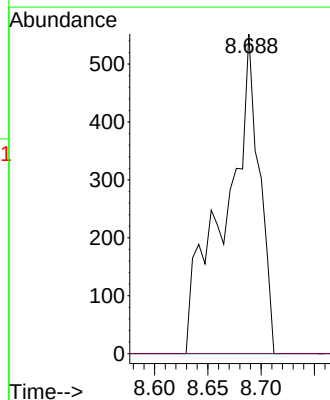
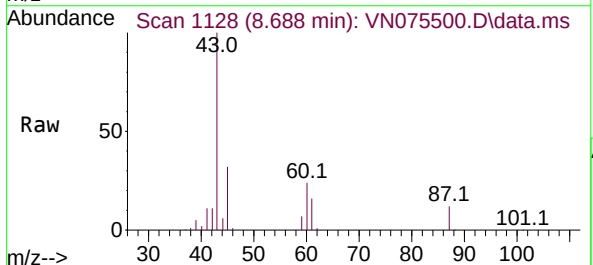


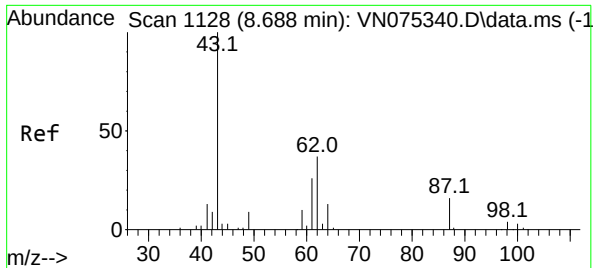
Tgt Ion:117 Resp: 13943
Ion Ratio Lower Upper
117 100
119 7.2 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.567 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 62 Resp: 1221
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

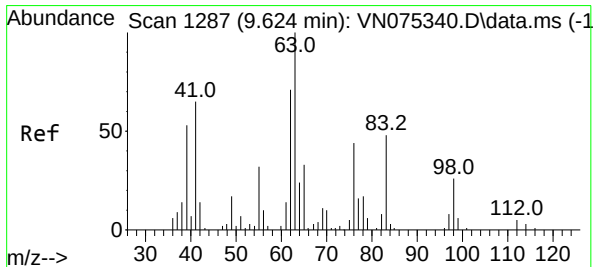
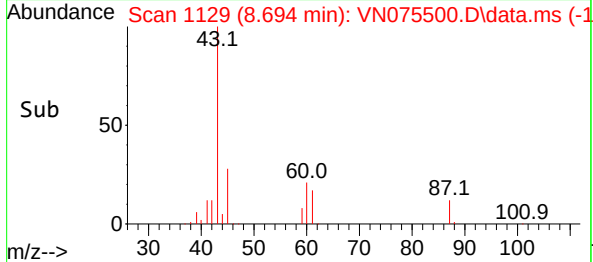
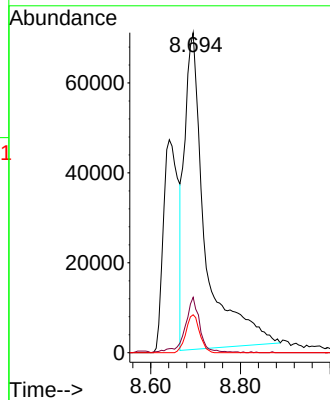
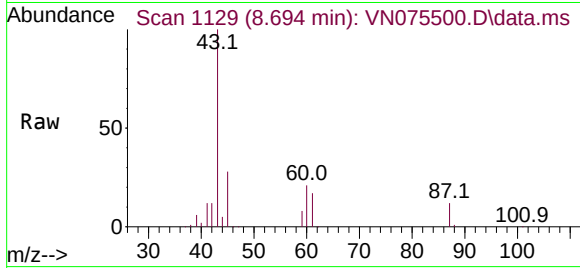




#43
Isopropyl Acetate
Concen: 75.041 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

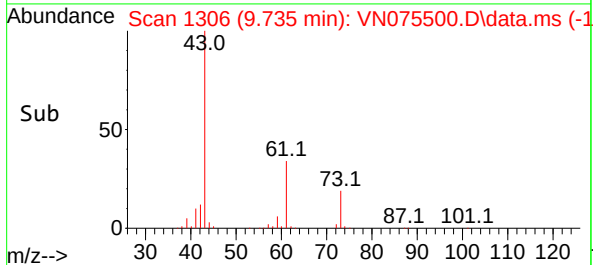
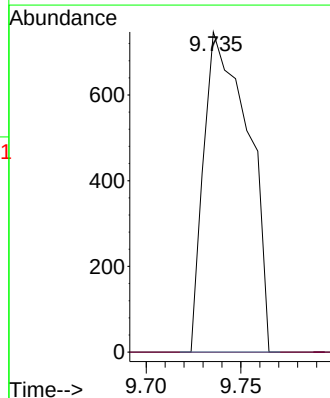
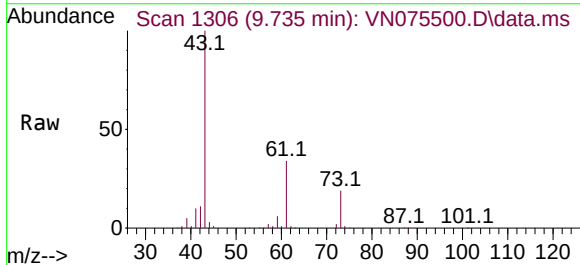
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

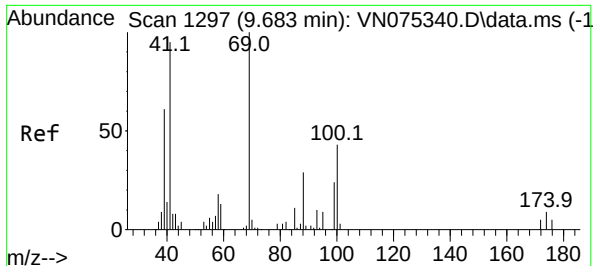
Tgt Ion: 43 Resp: 227787
Ion Ratio Lower Upper
43 100
61 12.4 22.4 33.6#
87 7.8 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.794 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 63 Resp: 1216
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

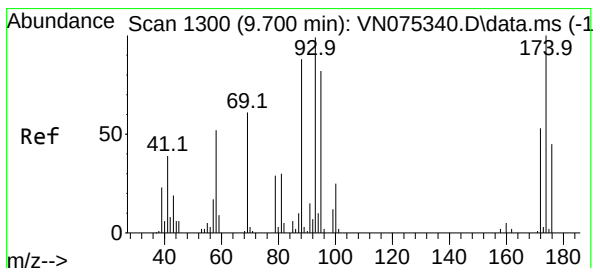
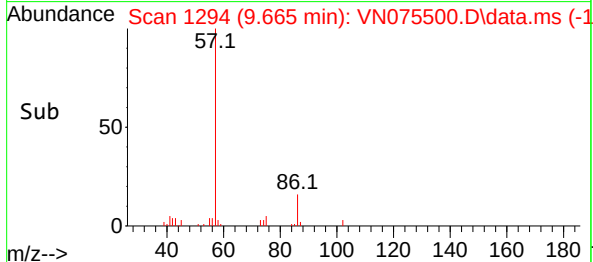
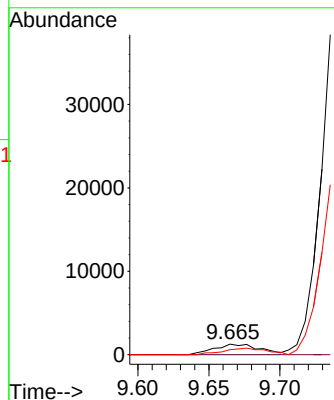
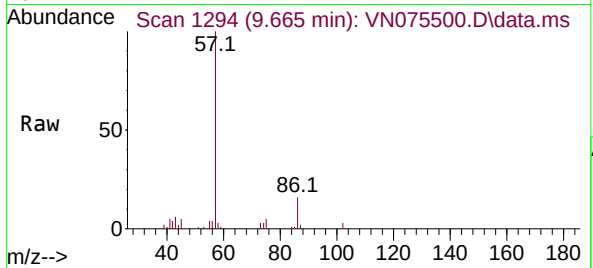




#48
Methyl methacrylate
Concen: 1.997 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

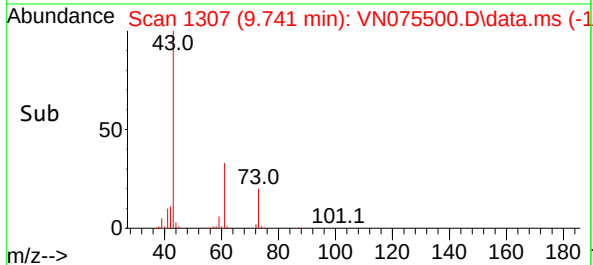
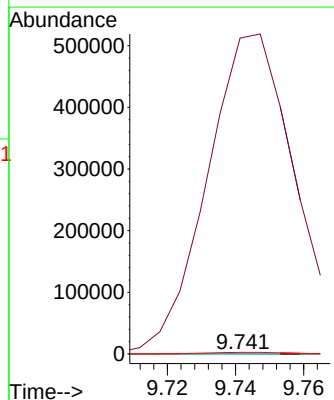
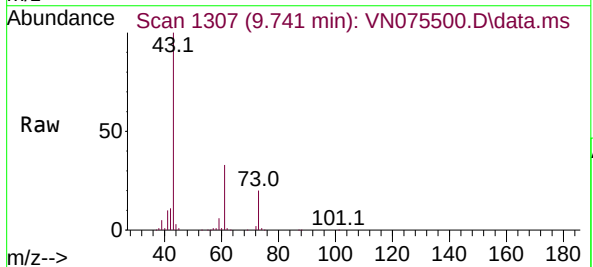
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

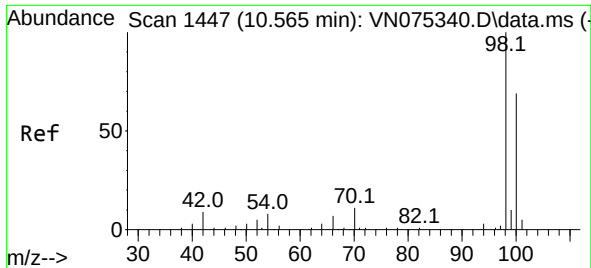
Tgt Ion: 41 Resp: 2803
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 58.5 56.2 84.2



#49
1,4-Dioxane
Concen: 3.212 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 737287.5 17.5 26.3#
58 3725.8 49.8 74.8#

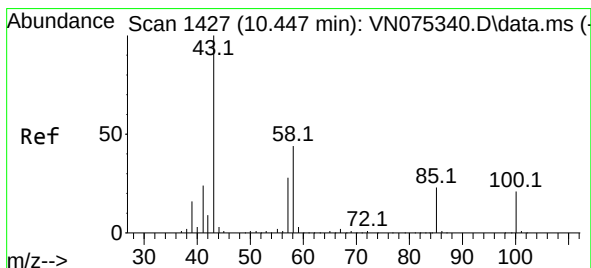
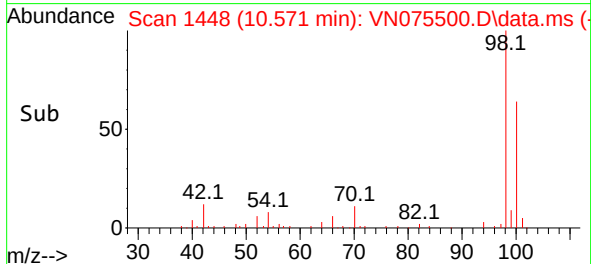
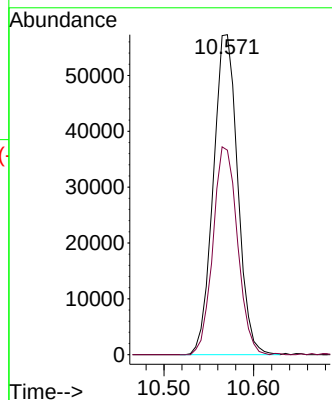
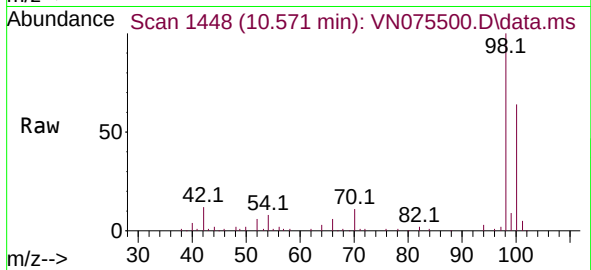




#50
Toluene-d8
Concen: 49.874 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

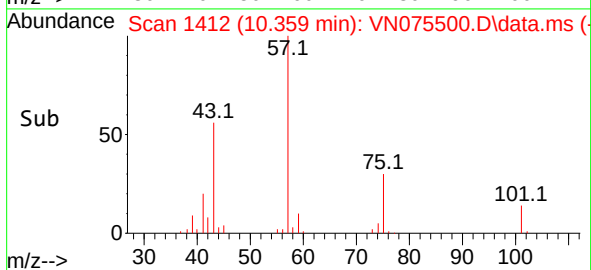
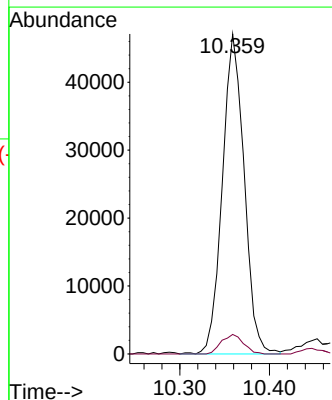
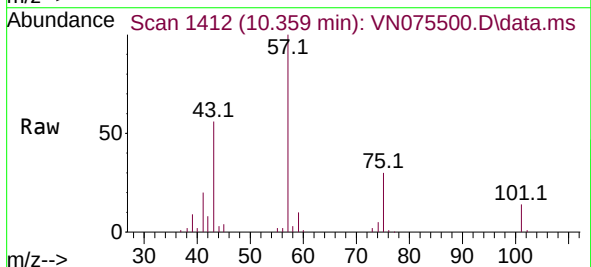
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

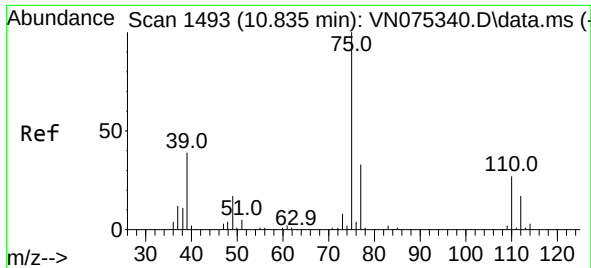
Tgt Ion: 98 Resp: 108182
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 41.097 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 43 Resp: 79455
Ion Ratio Lower Upper
43 100
58 6.2 33.6 50.4#

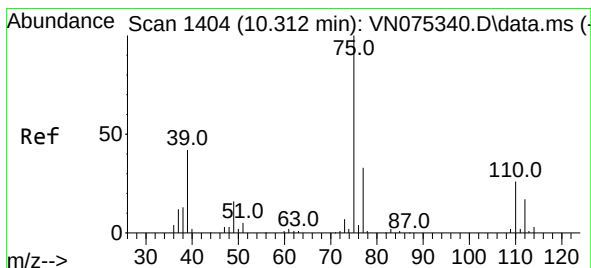
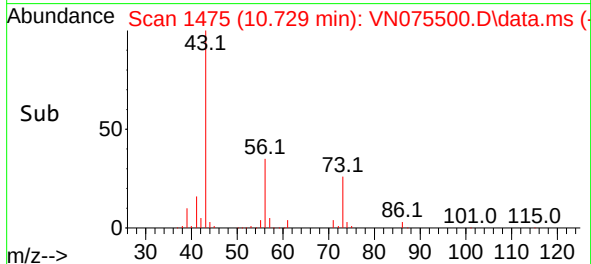
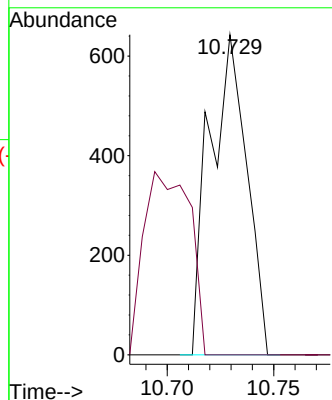
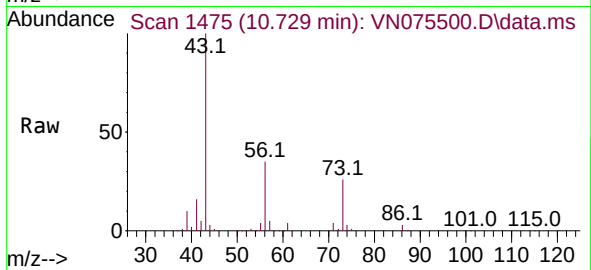




#53
 t-1,3-Dichloropropene
 Concen: 0.345 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075500.D
 Acq: 30 Nov 2022 14:40

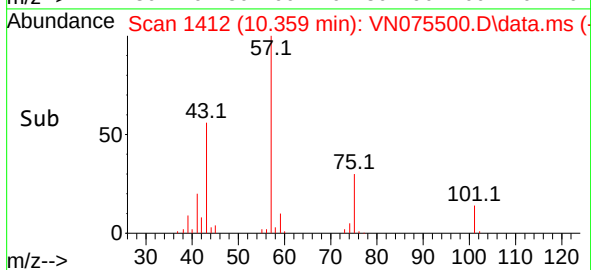
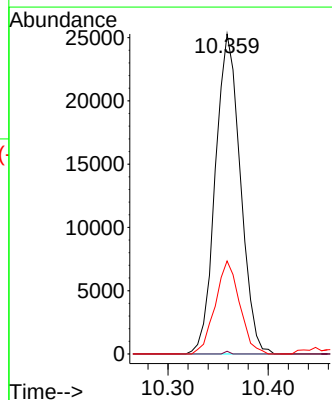
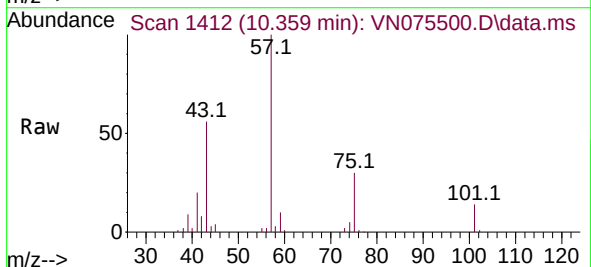
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#04

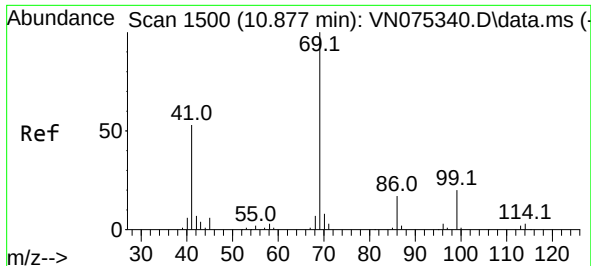
Tgt Ion: 75 Resp: 777
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 17.901 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075500.D
 Acq: 30 Nov 2022 14:40

Tgt Ion: 75 Resp: 43811
 Ion Ratio Lower Upper
 75 100
 77 0.9 23.7 35.5#
 39 29.1 35.8 53.6#

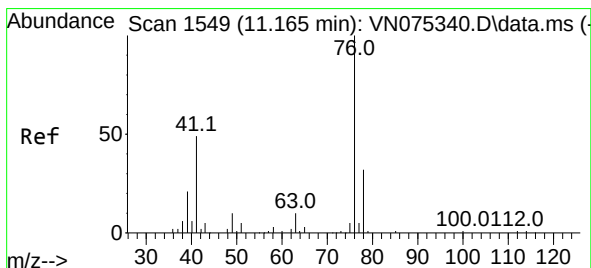
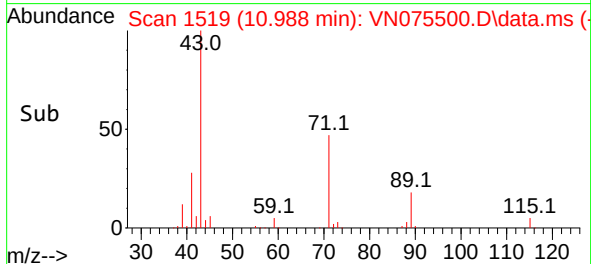
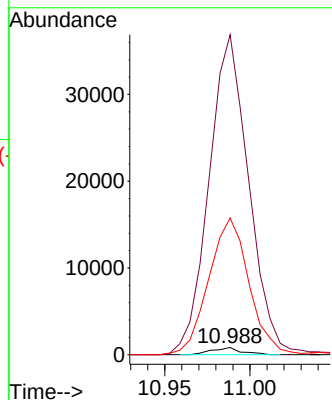
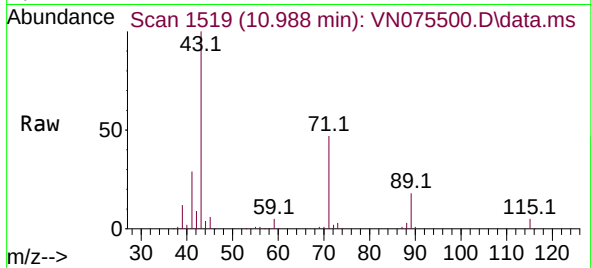




#56
Ethyl methacrylate
Concen: 0.437 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

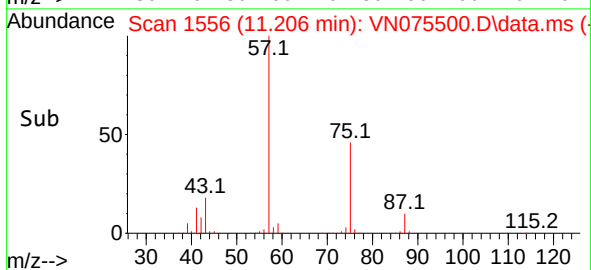
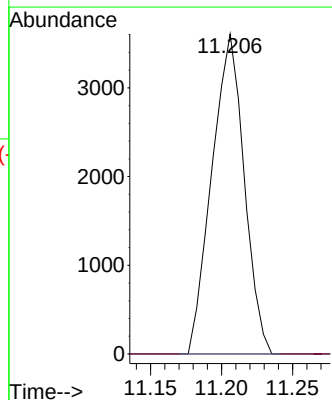
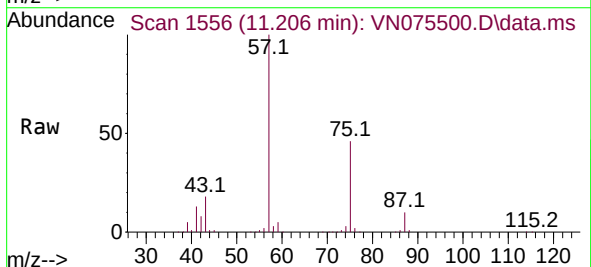
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

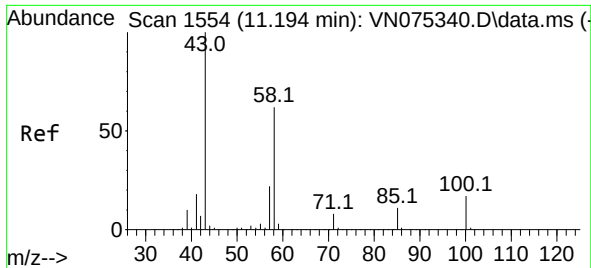
Tgt Ion: 69 Resp: 996
Ion Ratio Lower Upper
69 100
41 6043.5 45.6 68.4#
39 2602.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.075 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 76 Resp: 5709
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

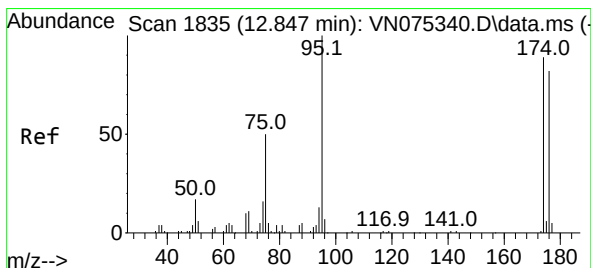
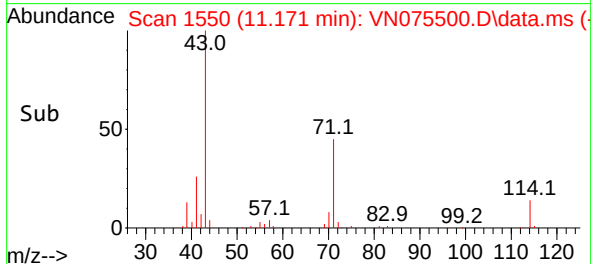
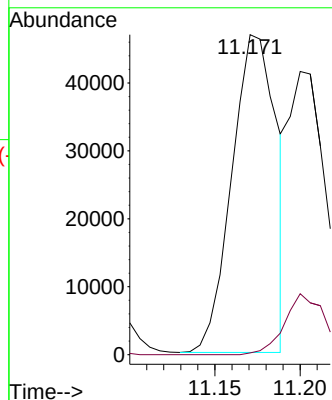
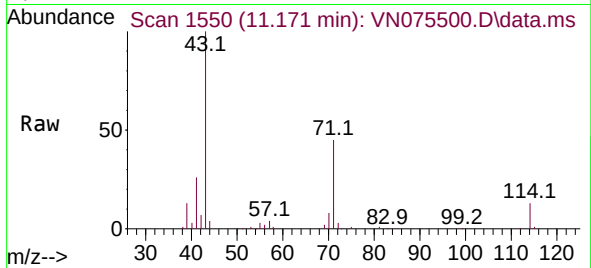




#59
2-Hexanone
Concen: 58.492 ug/l
RT: 11.171 min Scan# 11550
Delta R.T. -0.023 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

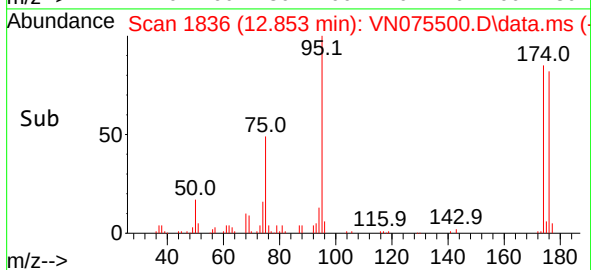
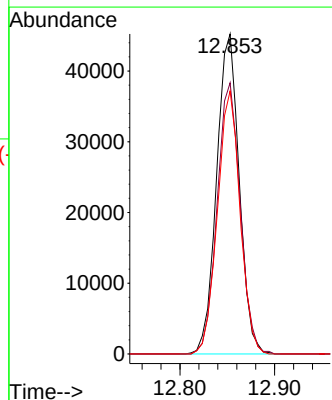
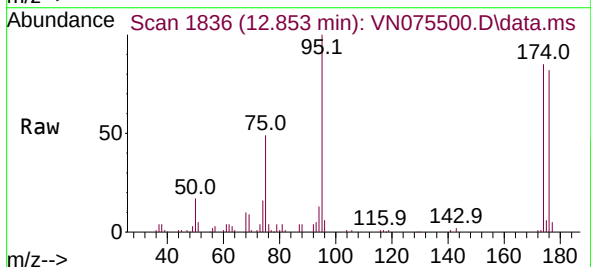
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

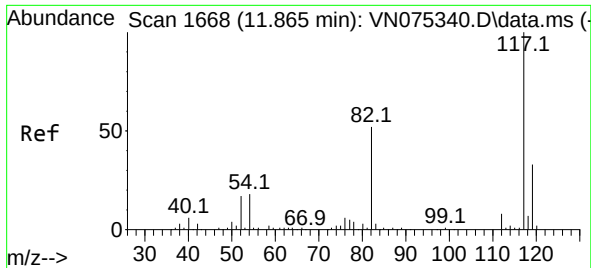
Tgt Ion: 43 Resp: 84917
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 46.880 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion: 95 Resp: 75057
Ion Ratio Lower Upper
95 100
174 86.4 0.0 147.4
176 82.4 0.0 142.2

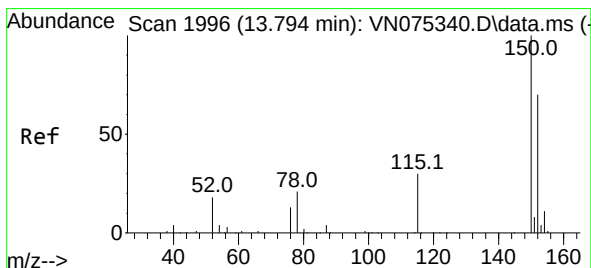
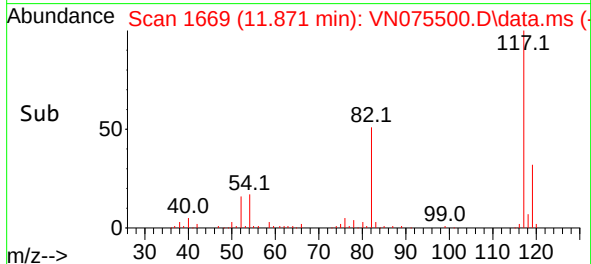
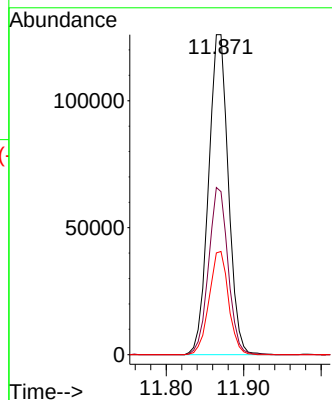
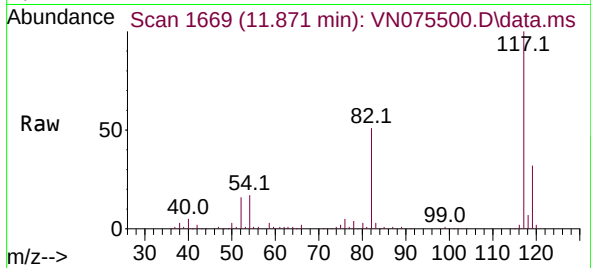




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

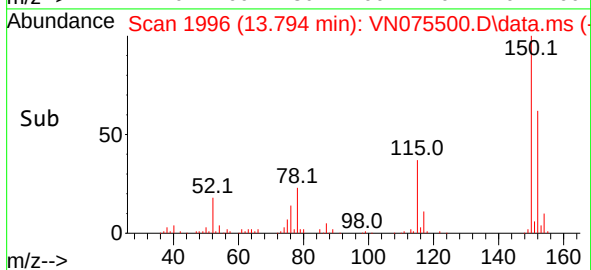
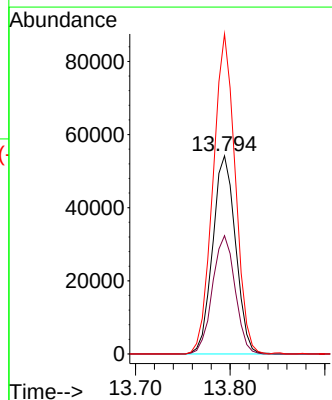
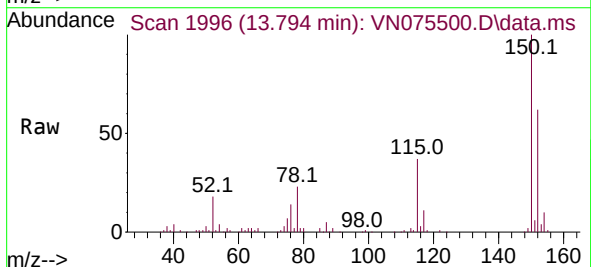
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

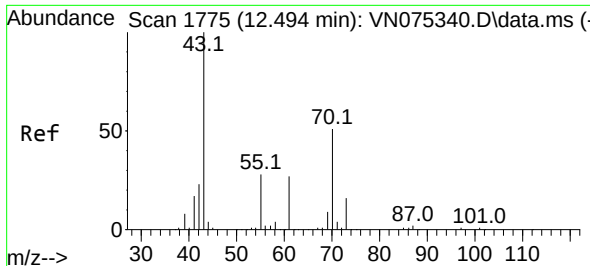
Tgt Ion:117 Resp: 223466
Ion Ratio Lower Upper
117 100
82 51.0 43.1 64.7
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Tgt Ion:152 Resp: 90854
Ion Ratio Lower Upper
152 100
115 58.9 30.2 90.6
150 156.8 0.0 348.4

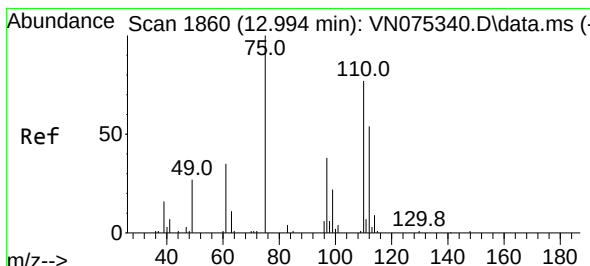
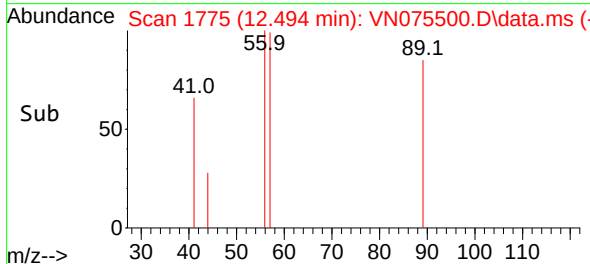
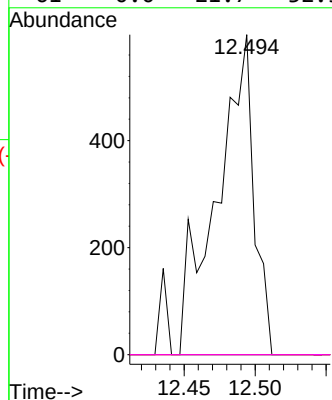
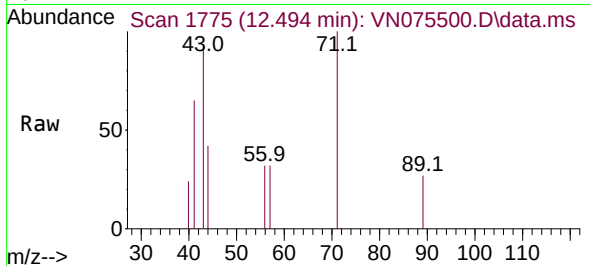




#74
N-amy1 acetate
Concen: 0.533 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

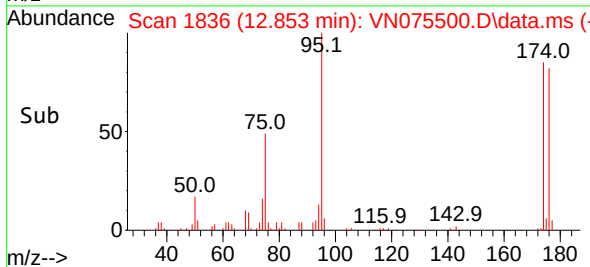
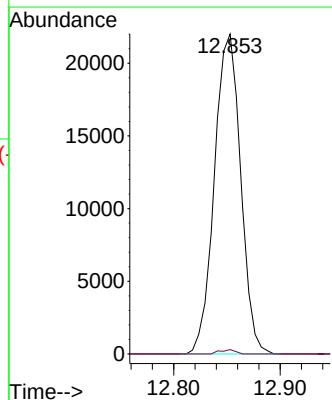
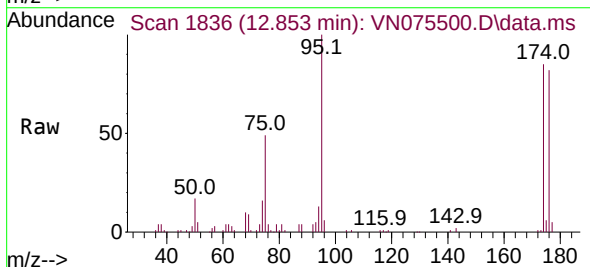
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04

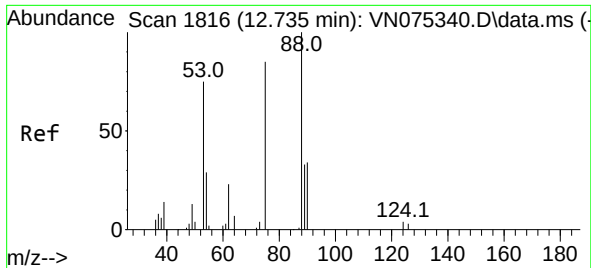
Tgt Ion: 43	Resp:	1087
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 21.909 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

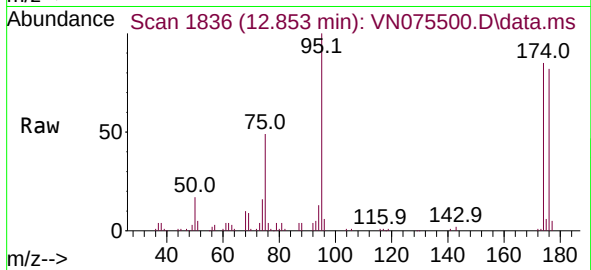
Tgt Ion: 75	Resp:	37636
Ion	Ratio	Lower Upper
75	100	
77	0.8	75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 64.825 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075500.D
Acq: 30 Nov 2022 14:40

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#04



Tgt Ion: 75 Resp: 37636
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

