

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075508.D
 Acq On : 30 Nov 2022 17:52
 Operator : JC\MD
 Sample : PB149341ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#12

Quant Time: Dec 01 02:18:20 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)

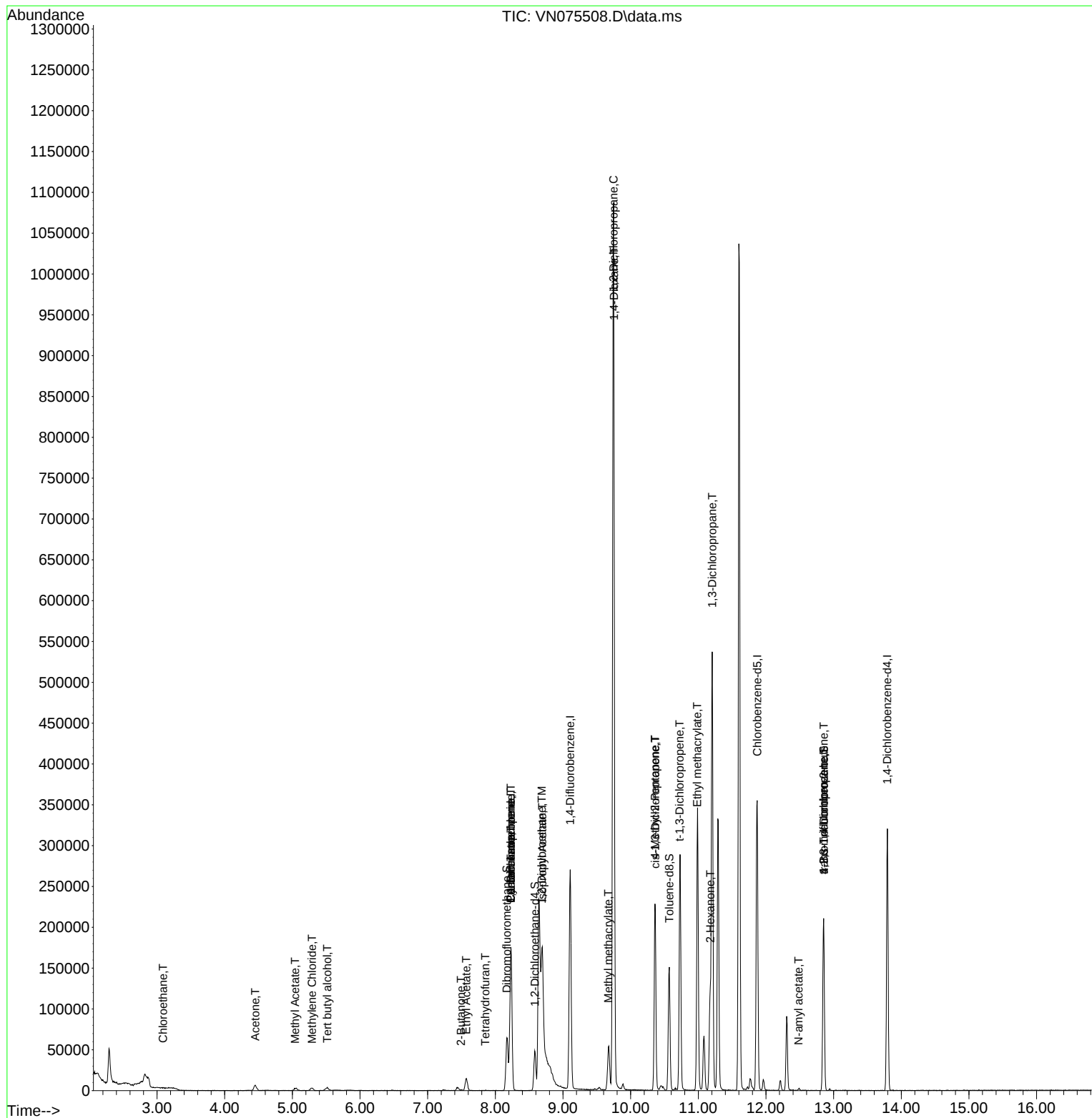
Internal Standards						
1) Pentafluorobenzene	8.230	168	135180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	244969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	225896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	39671	54.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.340%			
35) Dibromofluoromethane	8.171	113	47504	49.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.720%			
50) Toluene-d8	10.571	98	106077	48.942	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.853	95	72959	45.606	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.220%			
Target Compounds						Qvalue
6) Chloroethane	3.089	64	497	0.405	ug/l #	45
11) Tert butyl alcohol	5.518	59	2865	9.405	ug/l #	72
16) Acetone	4.453	43	12793	18.901	ug/l	89
18) Methyl Acetate	5.042	43	3073	0.519	ug/l #	89
20) Methylene Chloride	5.289	84	2581	0.618	ug/l	85
25) 2-Butanone	7.494	43	1117	1.182	ug/l #	43
29) Tetrahydrofuran	7.853	42	363	0.632	ug/l #	39
31) Cyclohexane	8.230	56	2535	1.100	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	9995	4.763	ug/l #	49
37) Ethyl Acetate	7.571	43	22160	11.727	ug/l	98
38) Carbon Tetrachloride	8.230	117	13645	5.919	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	795	0.369	ug/l #	75
43) Isopropyl Acetate	8.694	43	252912	83.384	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1341	0.876	ug/l #	42
48) Methyl methacrylate	9.671	41	2832	2.019	ug/l #	37
49) 1,4-Dioxane	9.753	88	131	3.289	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	80479	41.659	ug/l #	45
53) t-1,3-Dichloropropene	10.723	75	783	0.348	ug/l #	43
54) cis-1,3-Dichloropropene	10.365	75	45427	18.576	ug/l #	59
56) Ethyl methacrylate	10.982	69	1089	0.478	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6459	2.349	ug/l #	42
59) 2-Hexanone	11.176	43	84177	58.028	ug/l #	21
74) N-amyl acetate	12.482	43	1310	0.653	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	36248	21.478	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	36248	63.550	ug/l #	10

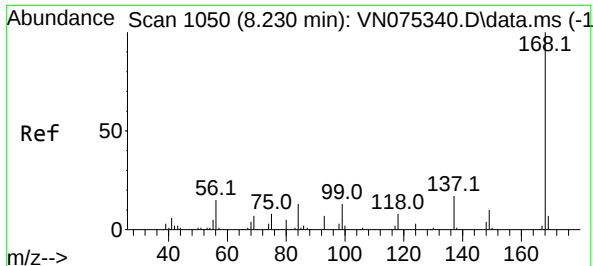
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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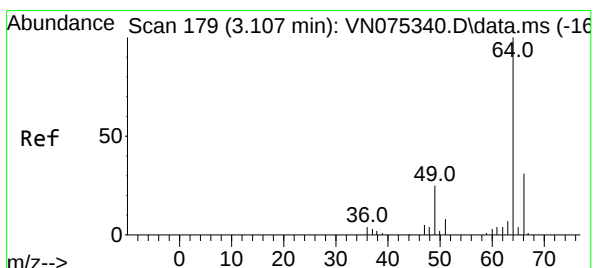
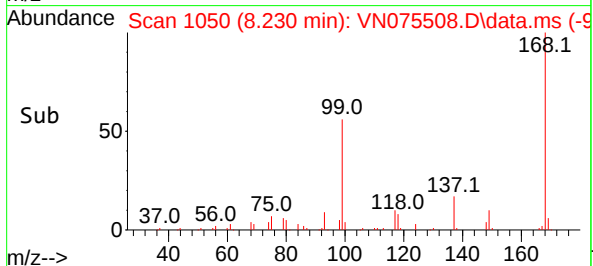
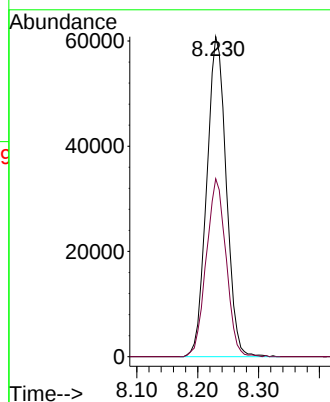
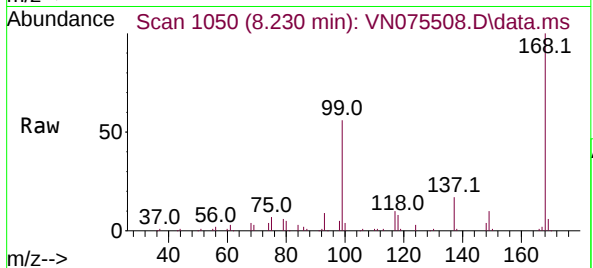




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

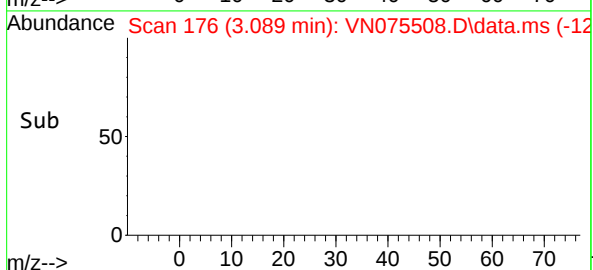
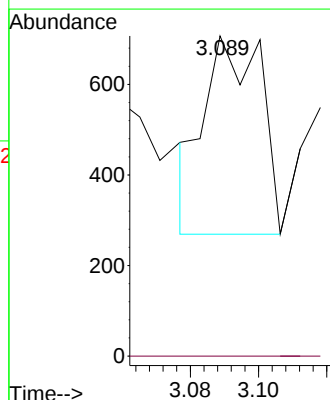
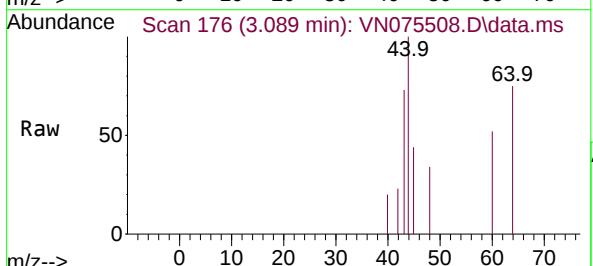
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

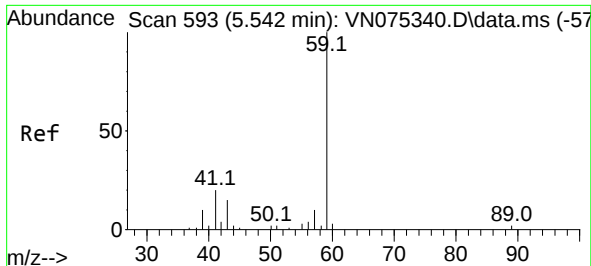
Tgt Ion:168 Resp: 135180
Ion Ratio Lower Upper
168 100
99 55.6 51.6 77.4



#6
Chloroethane
Concen: 0.405 ug/l
RT: 3.089 min Scan# 176
Delta R.T. -0.018 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 64 Resp: 497
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 9.405 ug/l

RT: 5.518 min Scan# 518

Delta R.T. -0.024 min

Lab File: VN075508.D

Acq: 30 Nov 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

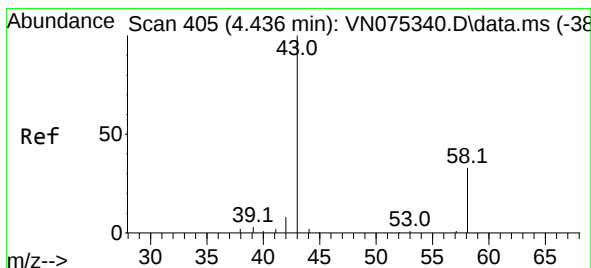
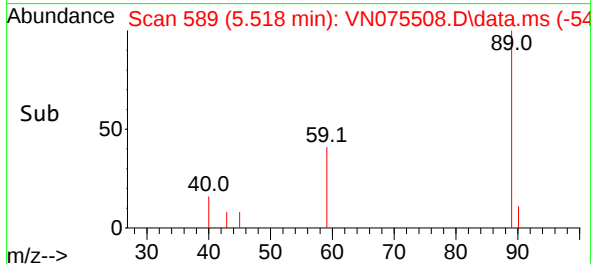
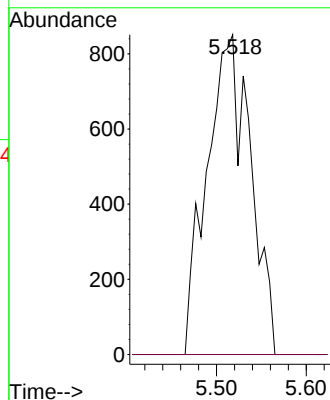
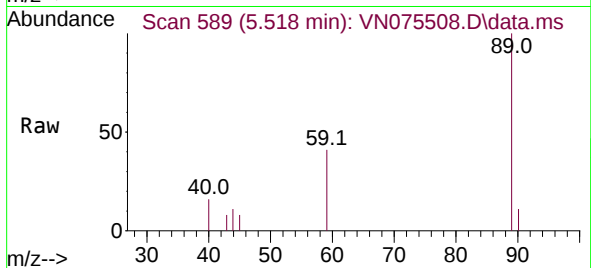
PB149341ZHE#12

Tgt Ion: 59 Resp: 2865

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 18.901 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.017 min

Lab File: VN075508.D

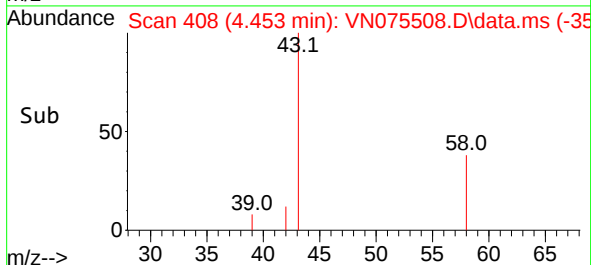
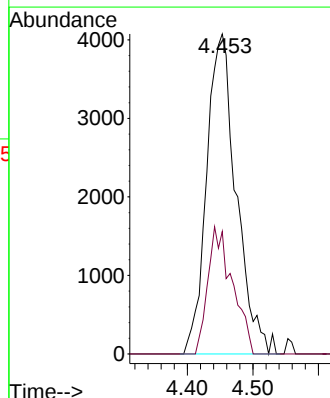
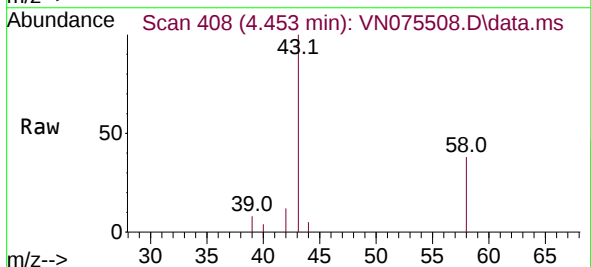
Acq: 30 Nov 2022 17:52

Tgt Ion: 43 Resp: 12793

Ion Ratio Lower Upper

43 100

58 38.3 25.5 38.3

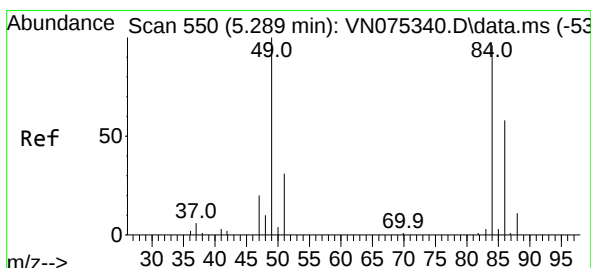
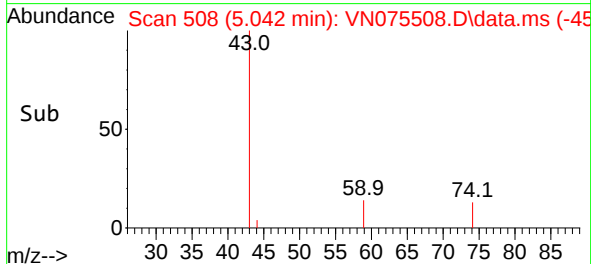
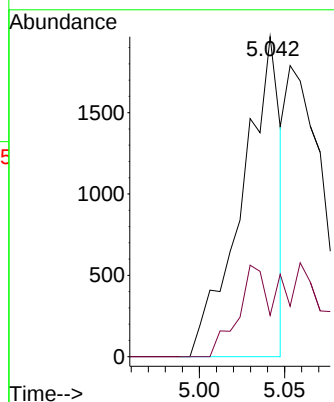
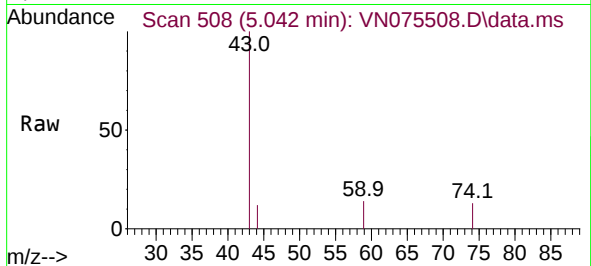




#18
Methyl Acetate
Concen: 0.519 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

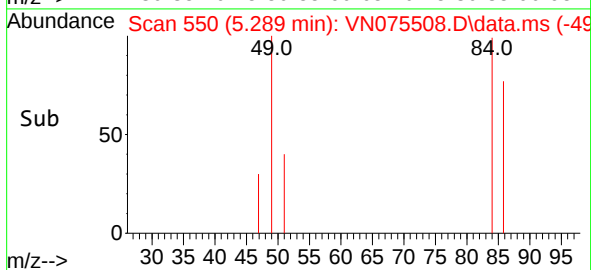
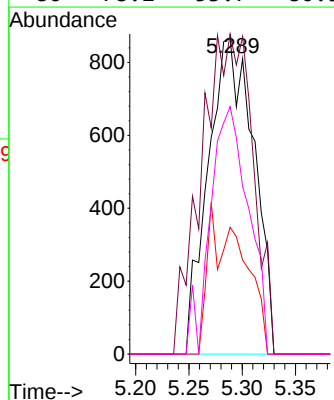
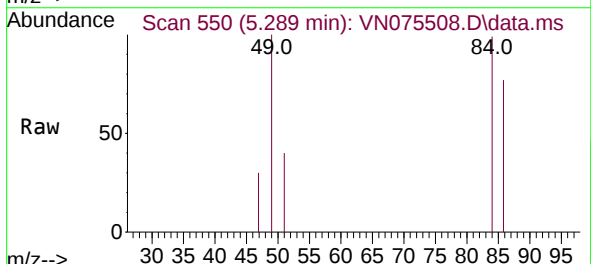
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

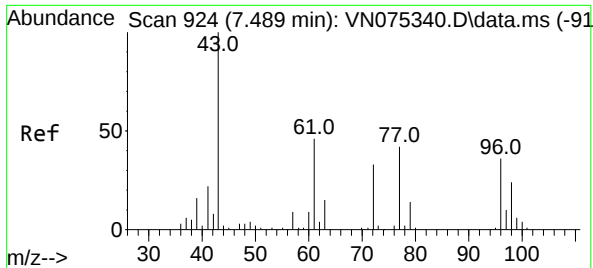
Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
74 21.8 22.0 33.0#



#20
Methylene Chloride
Concen: 0.618 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 84 Resp: 2581
Ion Ratio Lower Upper
84 100
49 101.2 94.9 142.3
51 40.1 26.8 40.2
86 78.2 53.7 80.5

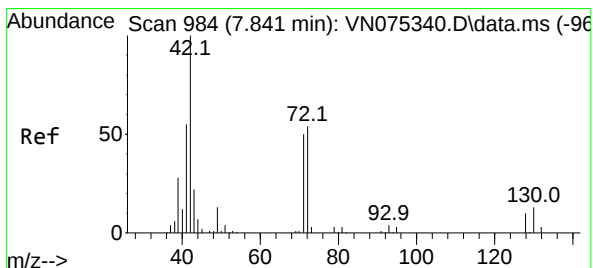
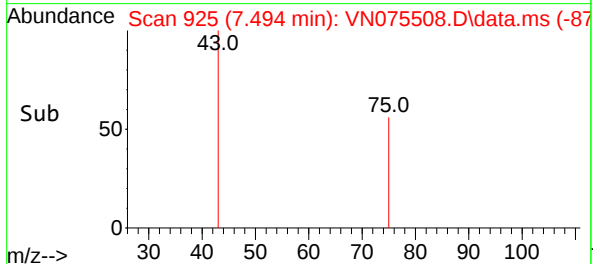
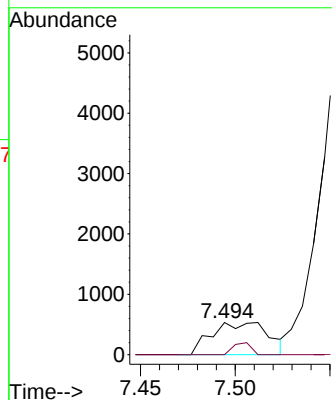
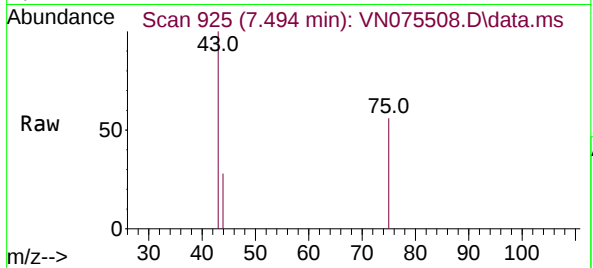




#25
2-Butanone
Concen: 1.182 ug/l
RT: 7.494 min Scan# 911
Delta R.T. 0.005 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

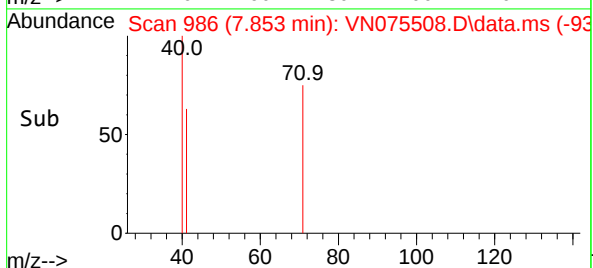
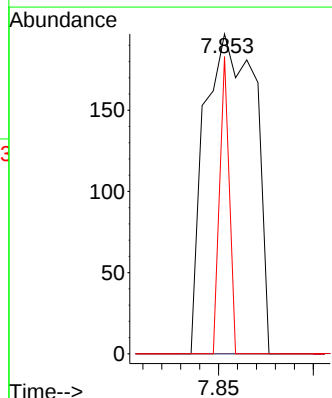
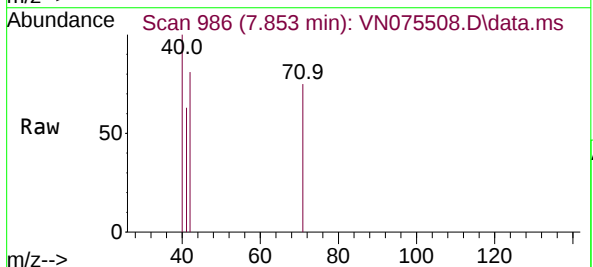
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

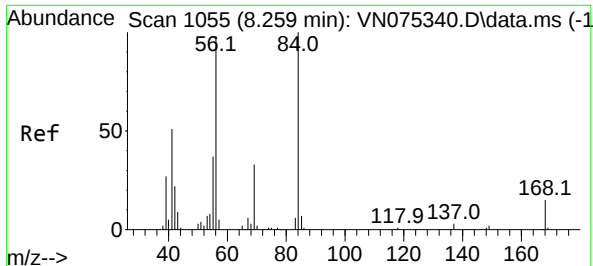
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.632 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.012 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 42 Resp: 363
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 17.9 39.9 59.9#

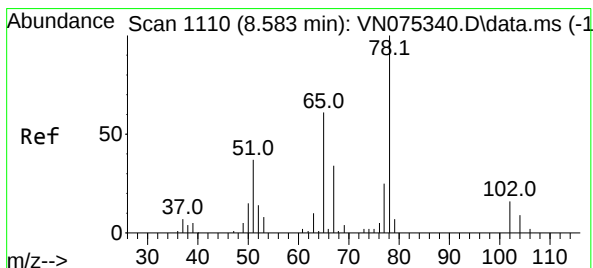
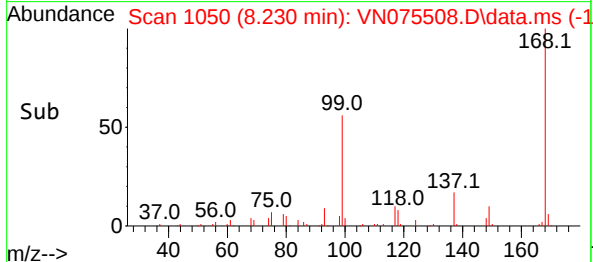
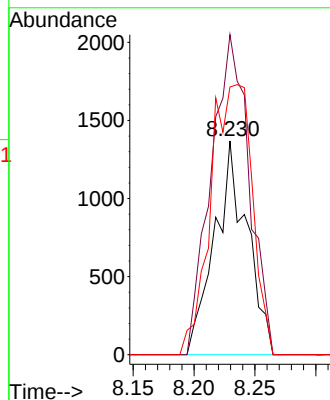
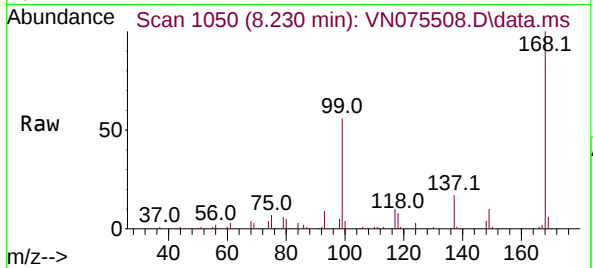




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

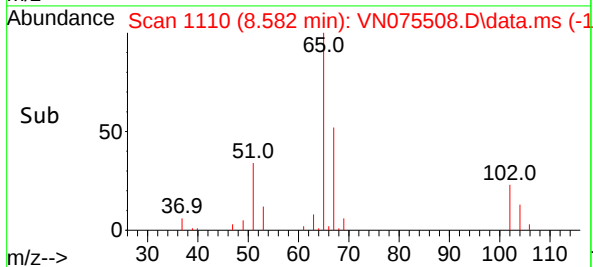
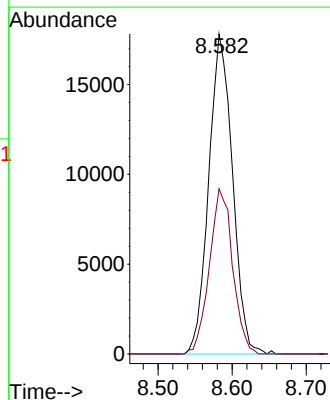
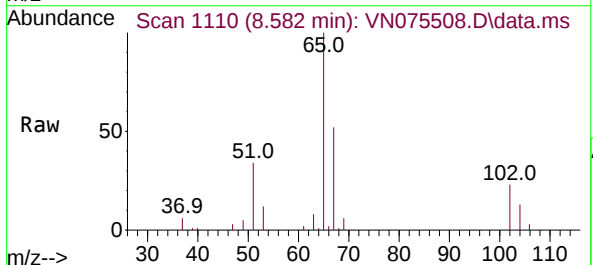
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

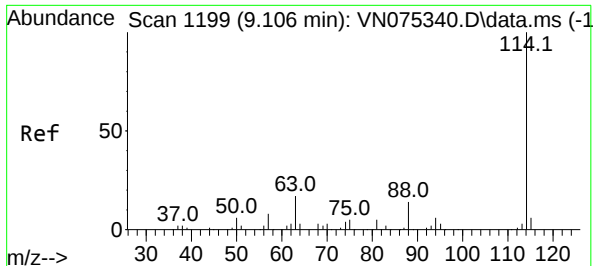
Tgt Ion: 56 Resp: 2535
Ion Ratio Lower Upper
56 100
69 149.7 25.2 37.8#
84 125.2 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 54.671 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 65 Resp: 39671
Ion Ratio Lower Upper
65 100
67 50.6 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: VN075508.D

Acq: 30 Nov 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#12

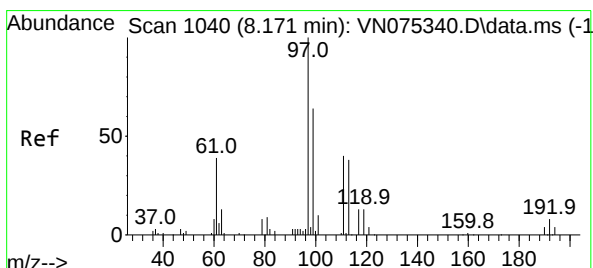
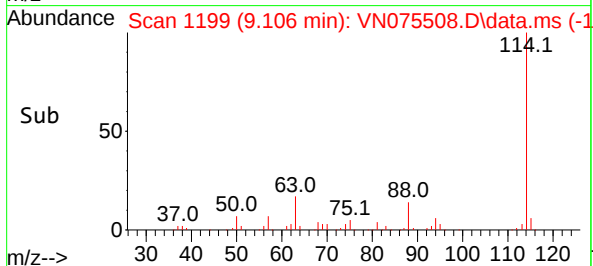
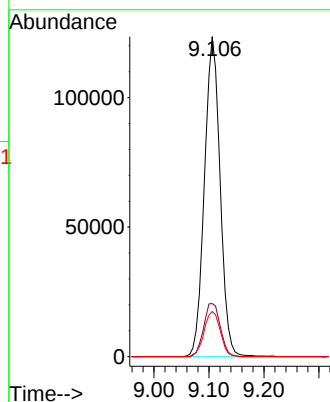
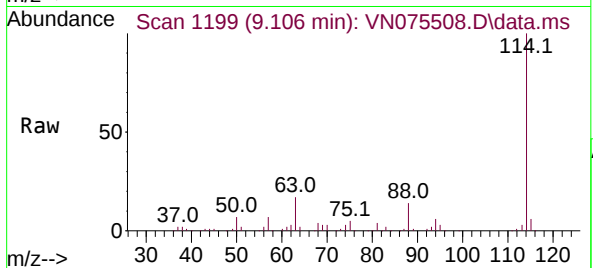
Tgt Ion:114 Resp: 244969

Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.6

88 14.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.364 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075508.D

Acq: 30 Nov 2022 17:52

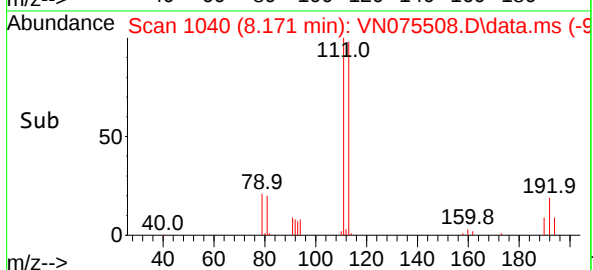
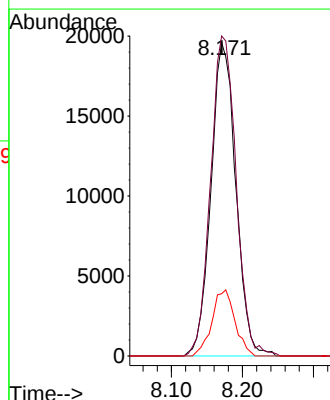
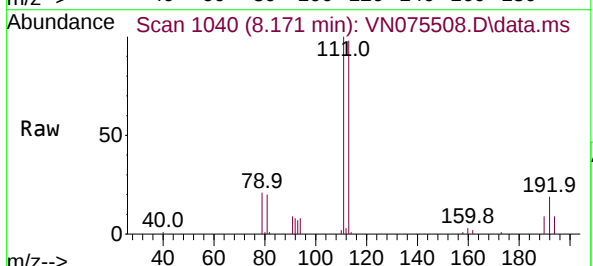
Tgt Ion:113 Resp: 47504

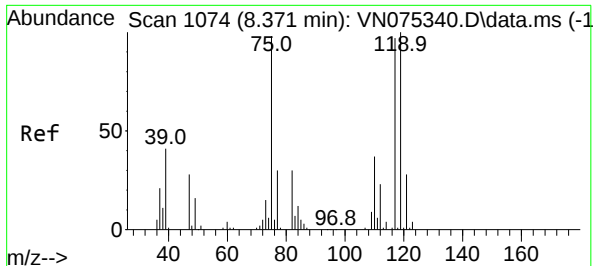
Ion Ratio Lower Upper

113 100

111 105.2 80.5 120.7

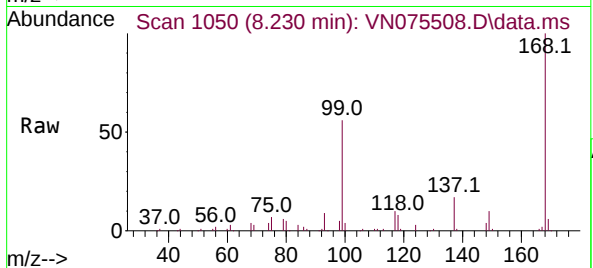
192 19.6 13.2 19.8



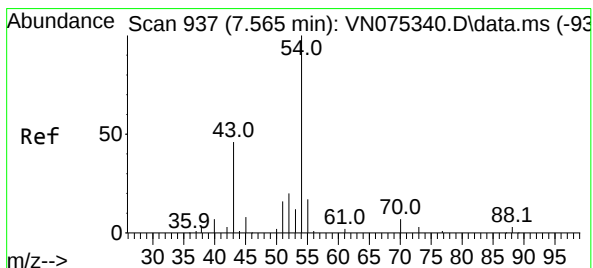
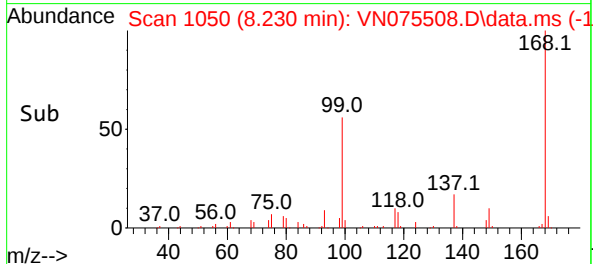
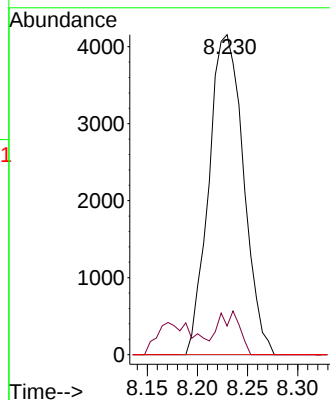


#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

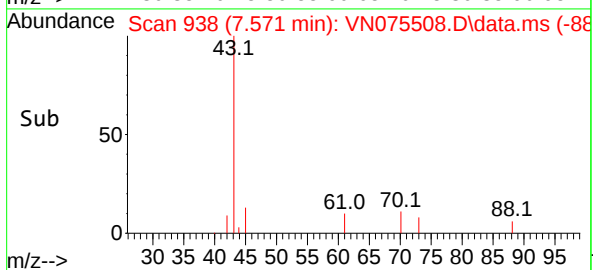
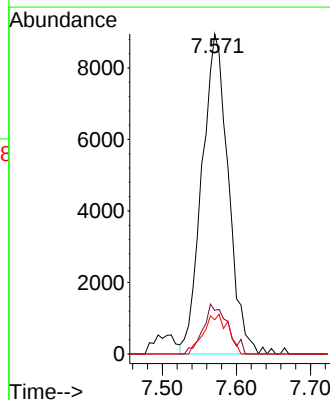
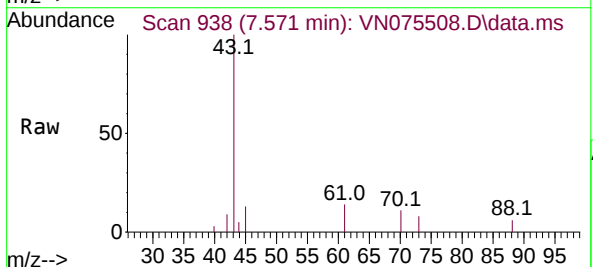


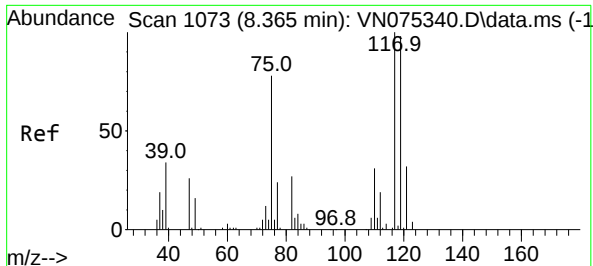
Tgt Ion: 75 Resp: 9995
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 11.727 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

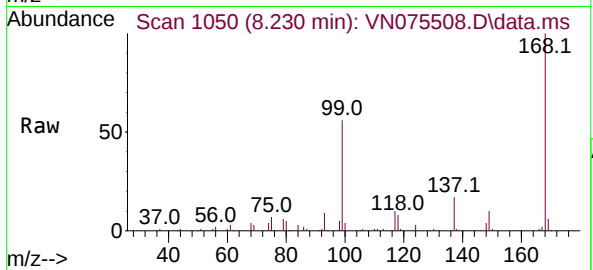
Tgt Ion: 43 Resp: 22160
Ion Ratio Lower Upper
43 100
61 14.3 12.2 18.4
70 11.5 9.4 14.2



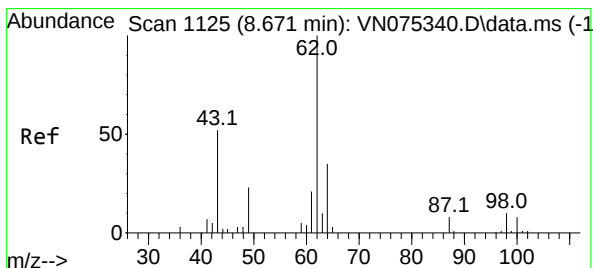
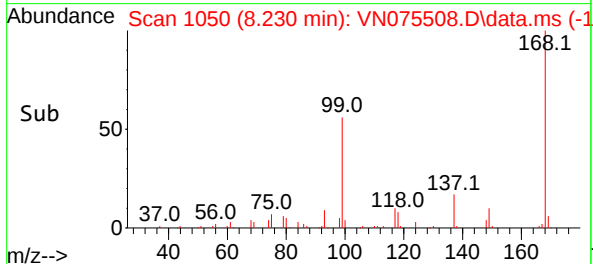
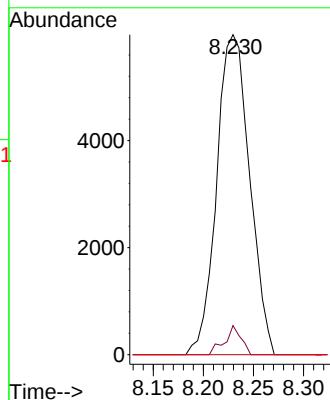


#38
Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

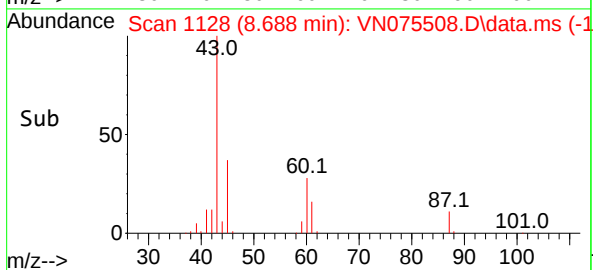
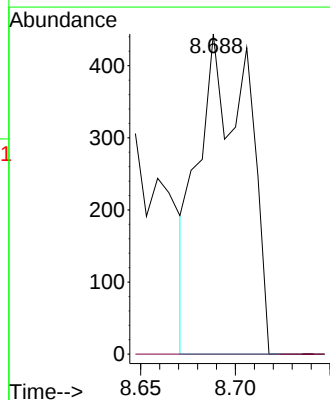
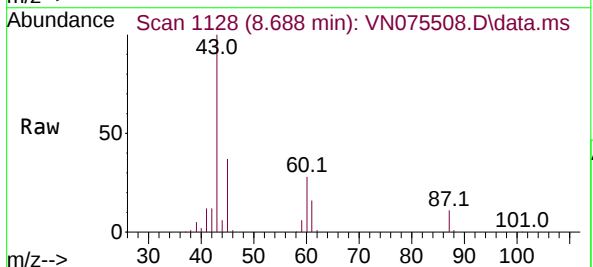


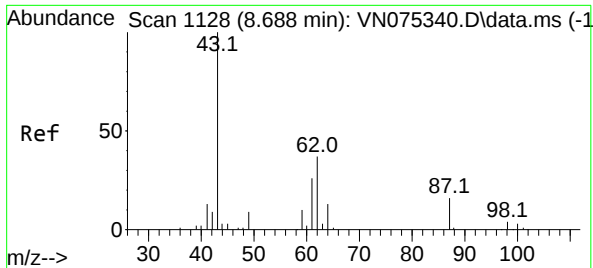
Tgt Ion:117 Resp: 13645
Ion Ratio Lower Upper
117 100
119 9.1 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.369 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 62 Resp: 795
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

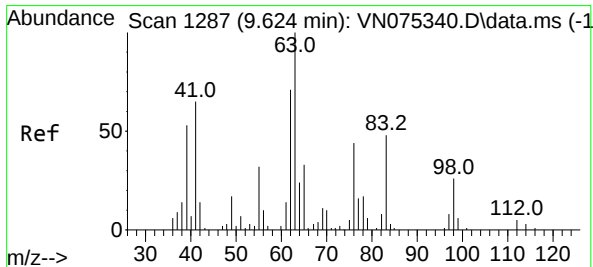
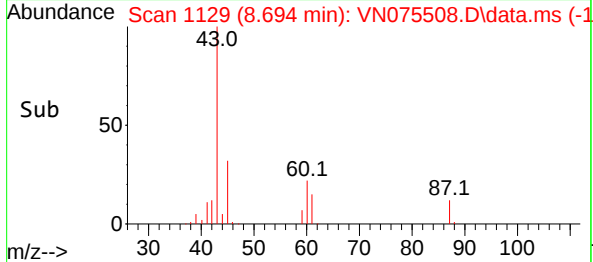
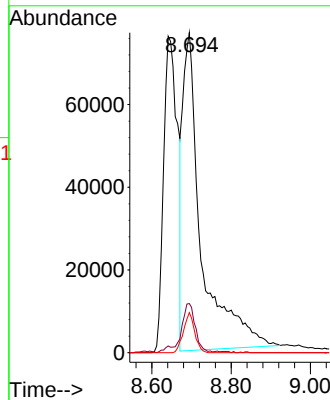
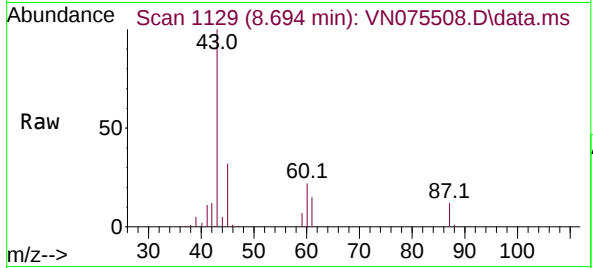




#43
Isopropyl Acetate
Concen: 83.384 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

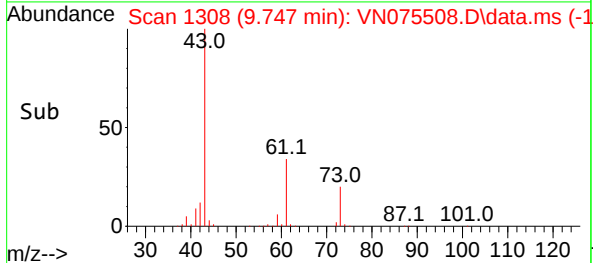
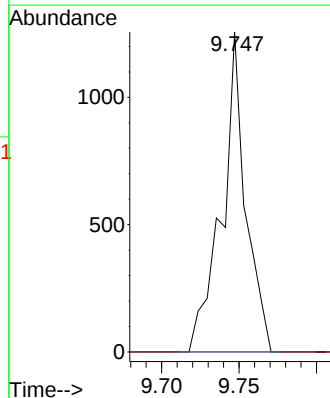
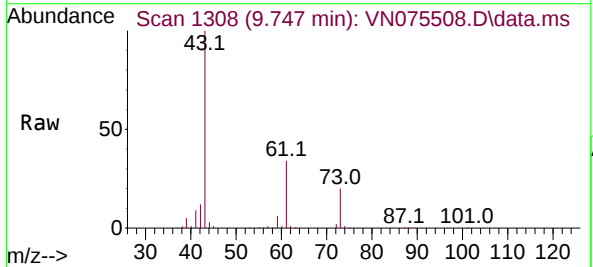
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

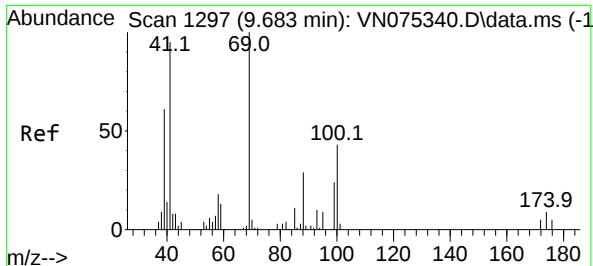
Tgt Ion: 43 Resp: 252912
Ion Ratio Lower Upper
43 100
61 10.5 22.4 33.6#
87 7.4 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.876 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 63 Resp: 1341
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

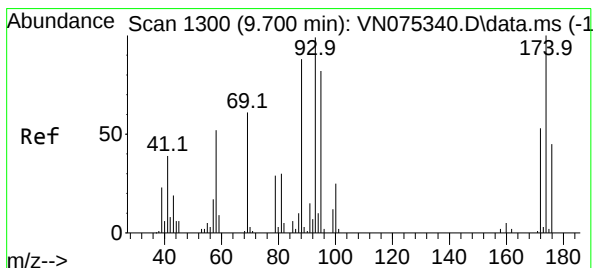
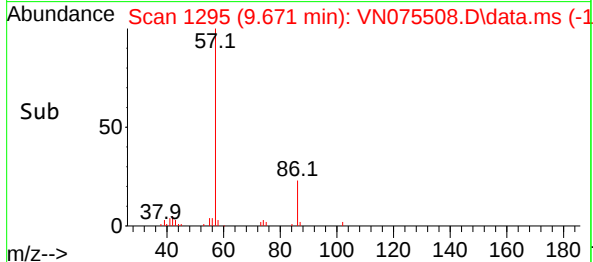
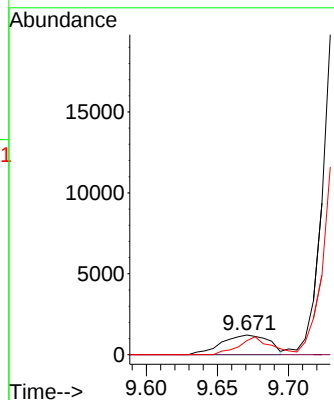
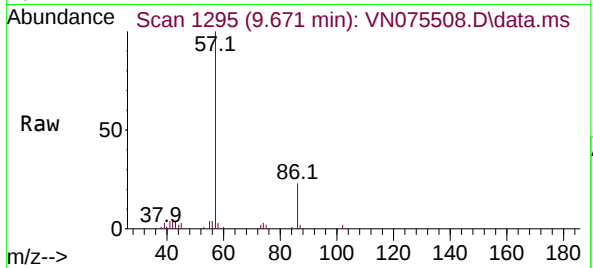




#48
Methyl methacrylate
Concen: 2.019 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

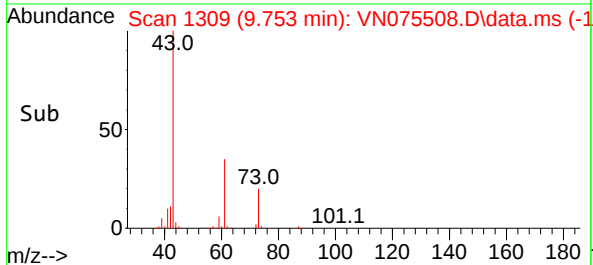
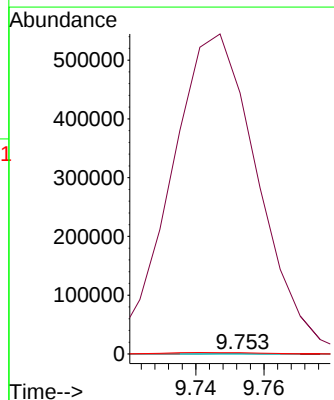
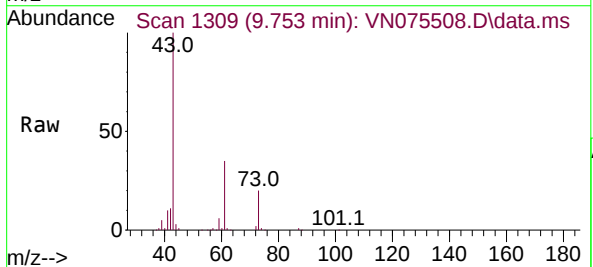
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

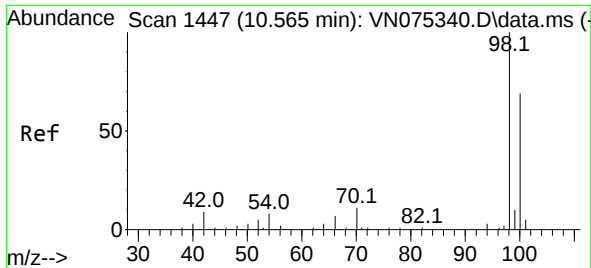
Tgt Ion: 41 Resp: 2832
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 62.2 56.2 84.2



#49
1,4-Dioxane
Concen: 3.289 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 746620.6 17.5 26.3#
58 3594.7 49.8 74.8#

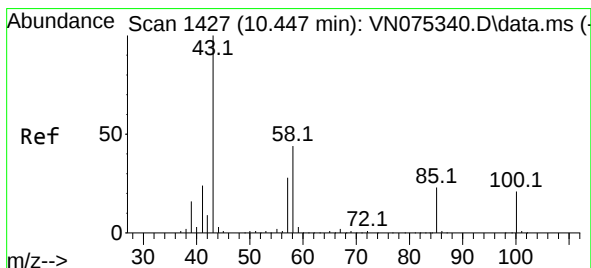
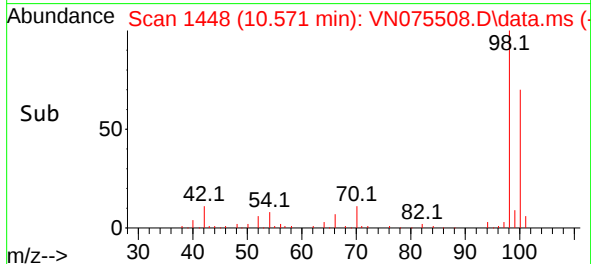
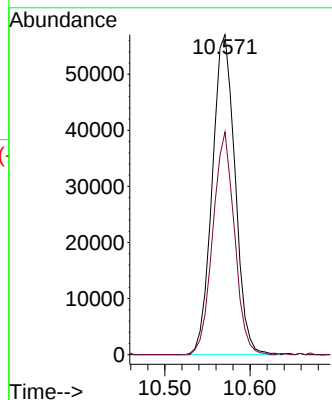
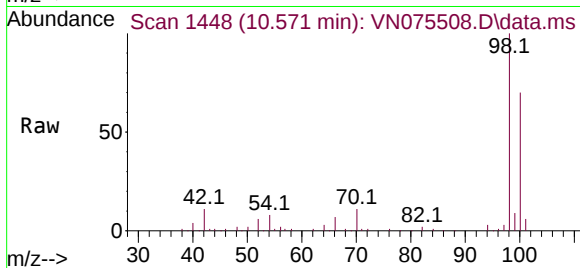




#50
Toluene-d8
Concen: 48.942 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

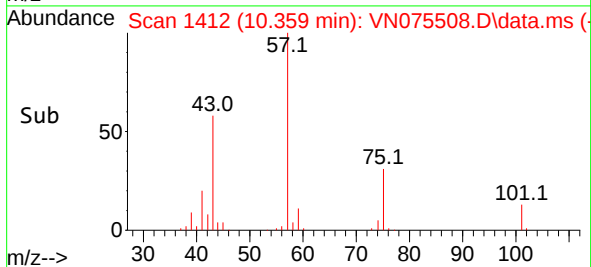
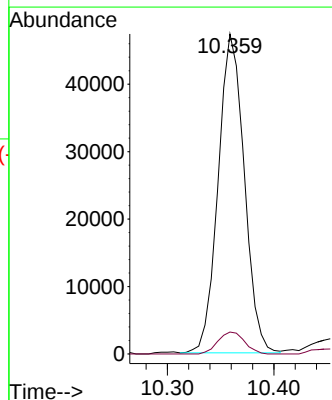
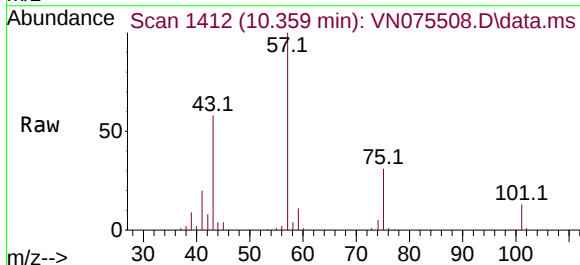
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

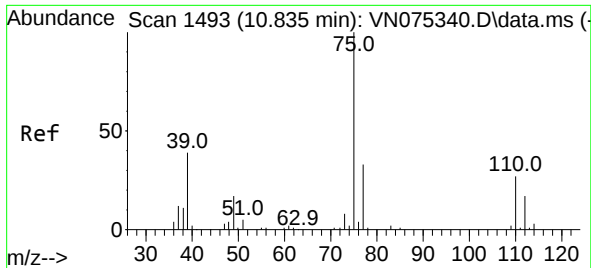
Tgt Ion: 98 Resp: 106077
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 41.659 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 43 Resp: 80479
Ion Ratio Lower Upper
43 100
58 7.0 33.6 50.4#

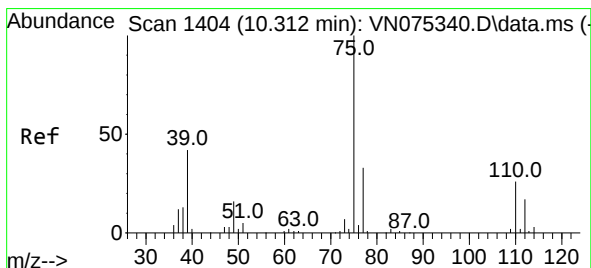
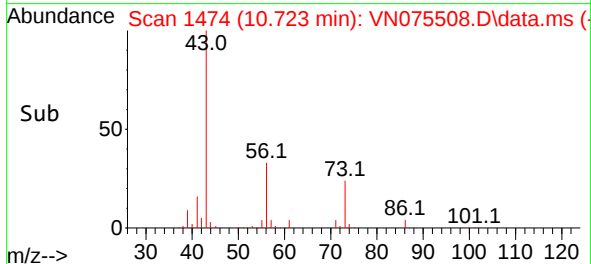
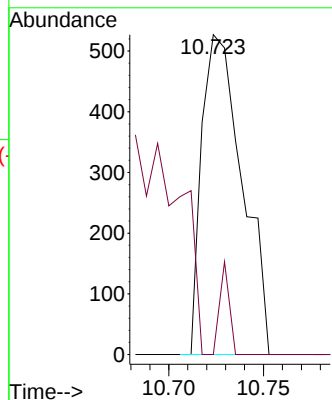
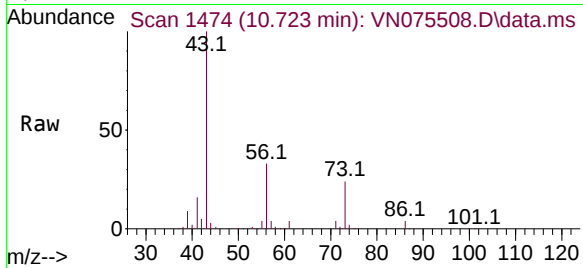




#53
 t-1,3-Dichloropropene
 Concen: 0.348 ug/l
 RT: 10.723 min Scan# 1412
 Delta R.T. -0.112 min
 Lab File: VN075508.D
 Acq: 30 Nov 2022 17:52

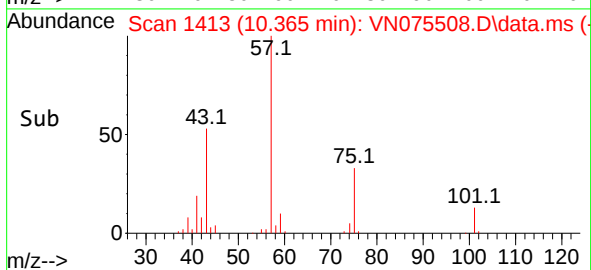
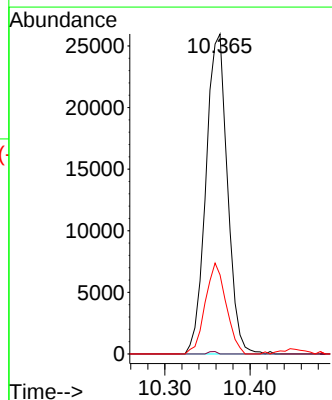
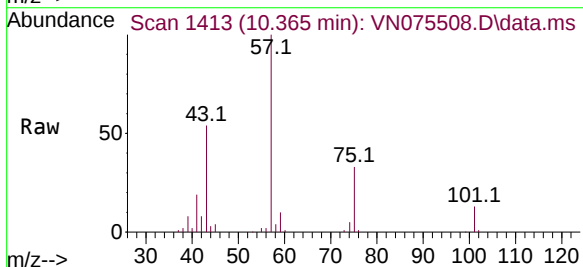
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#12

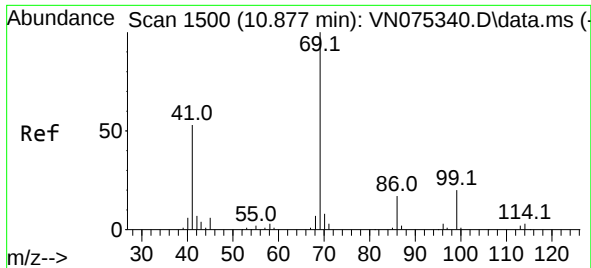
Tgt Ion: 75 Resp: 783
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.576 ug/l
 RT: 10.365 min Scan# 1413
 Delta R.T. 0.053 min
 Lab File: VN075508.D
 Acq: 30 Nov 2022 17:52

Tgt Ion: 75 Resp: 45427
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 24.1 35.8 53.6#

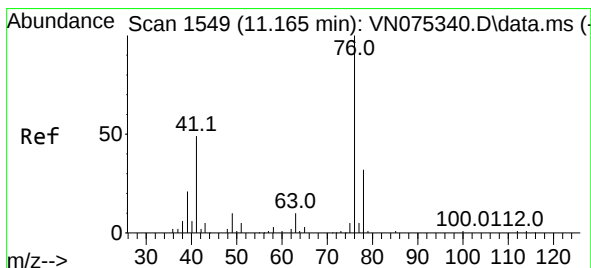
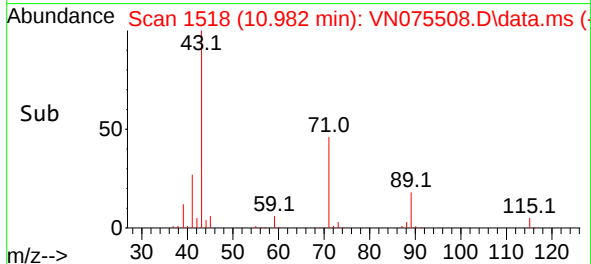
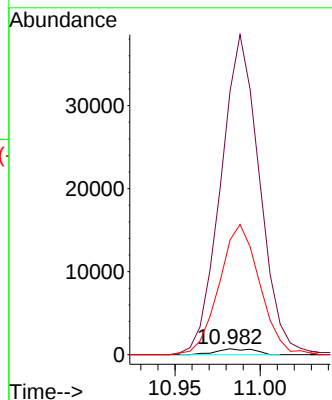
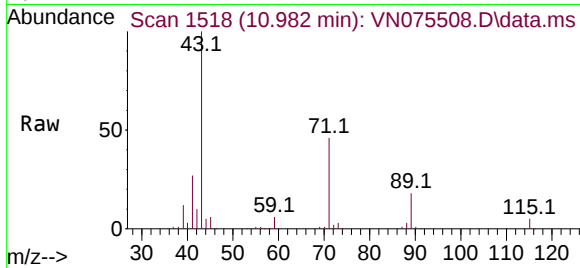




#56
Ethyl methacrylate
Concen: 0.478 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

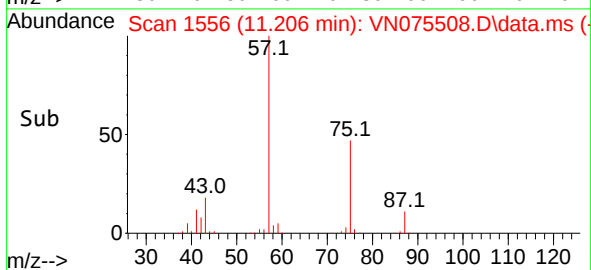
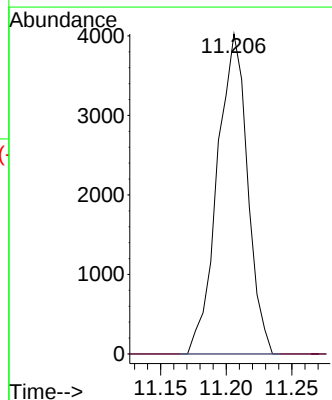
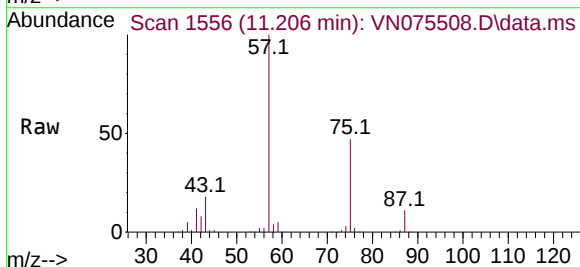
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

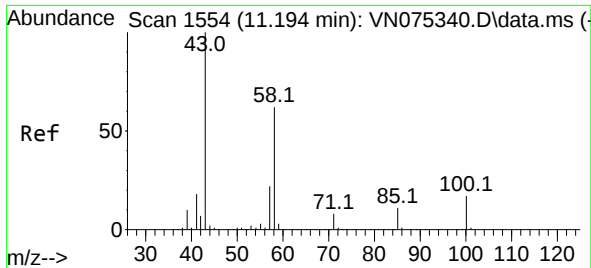
Tgt Ion: 69 Resp: 1089
Ion Ratio Lower Upper
69 100
41 5635.4 45.6 68.4#
39 2383.7 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.349 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 76 Resp: 6459
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

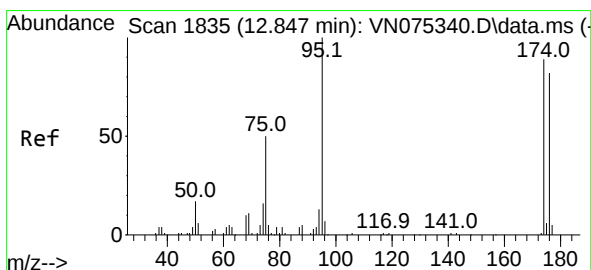
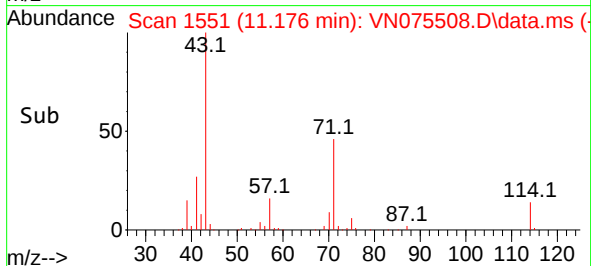
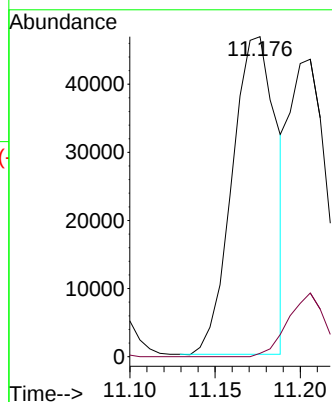
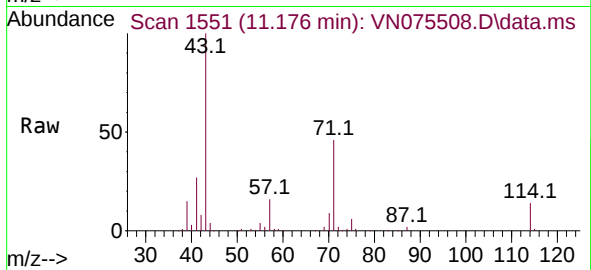




#59
2-Hexanone
Concen: 58.028 ug/l
RT: 11.176 min Scan# 1151
Delta R.T. -0.018 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

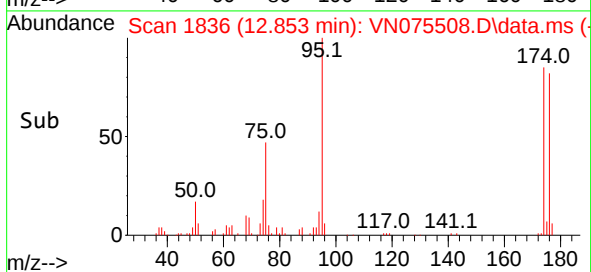
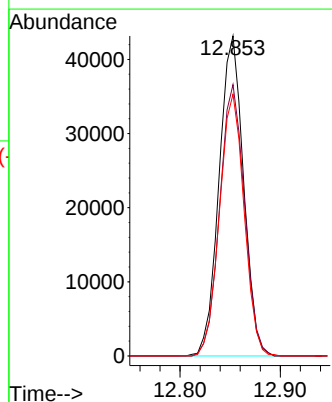
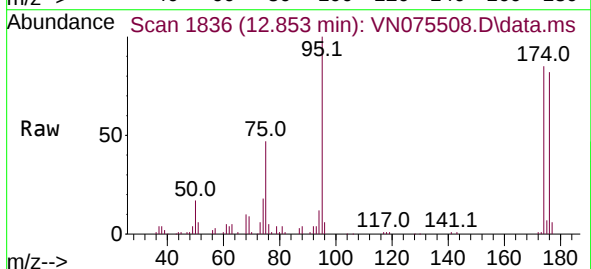
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

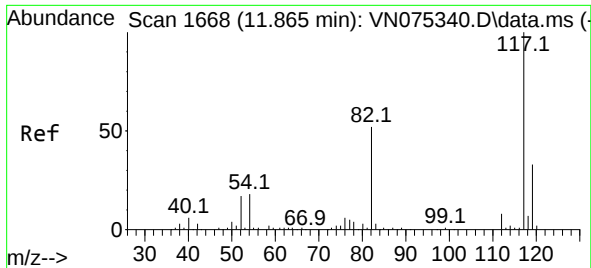
Tgt Ion: 43 Resp: 84177
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 45.606 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion: 95 Resp: 72959
Ion Ratio Lower Upper
95 100
174 85.6 0.0 147.4
176 82.1 0.0 142.2

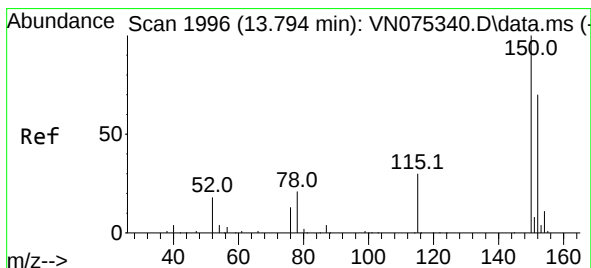
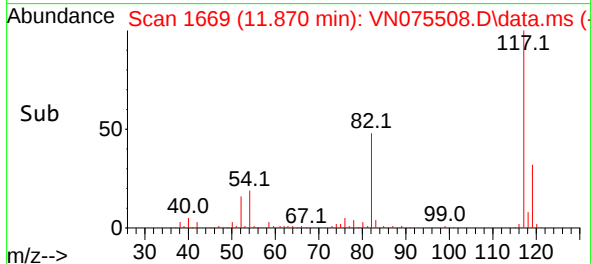
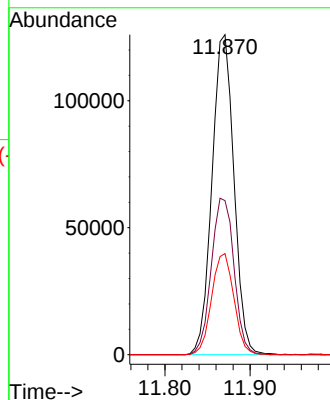
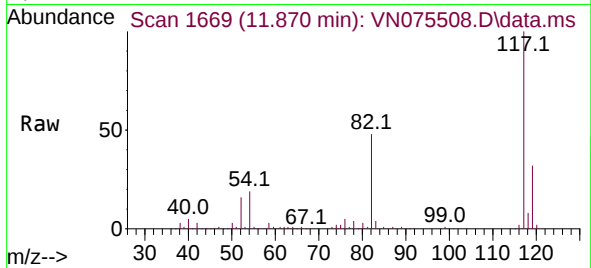




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

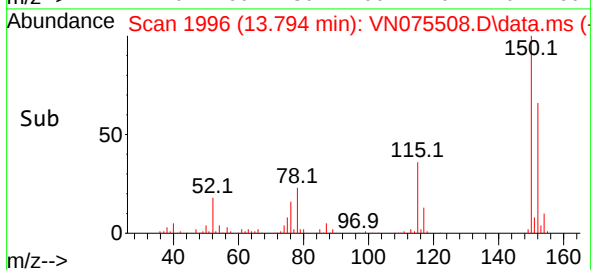
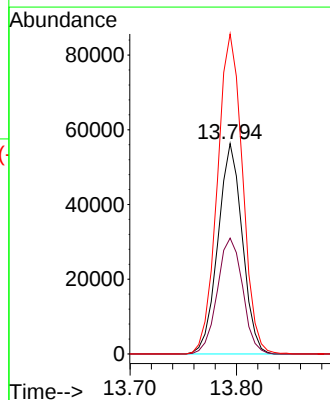
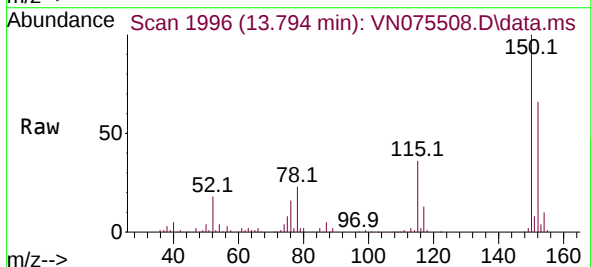
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#12

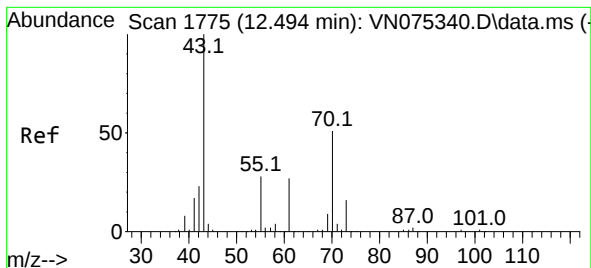
Tgt Ion:117 Resp: 225896
Ion Ratio Lower Upper
117 100
82 48.2 43.1 64.7
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075508.D
Acq: 30 Nov 2022 17:52

Tgt Ion:152 Resp: 89259
Ion Ratio Lower Upper
152 100
115 57.1 30.2 90.6
150 157.6 0.0 348.4





#74

N-amy1 acetate

Concen: 0.653 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN075508.D

Acq: 30 Nov 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#12

Tgt Ion: 43 Resp: 1310

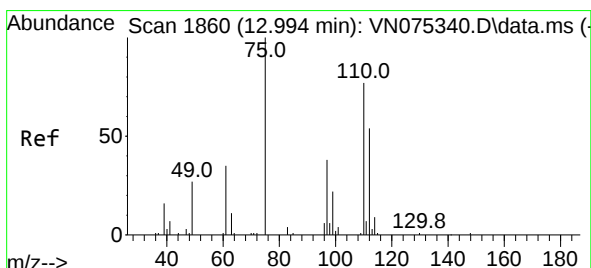
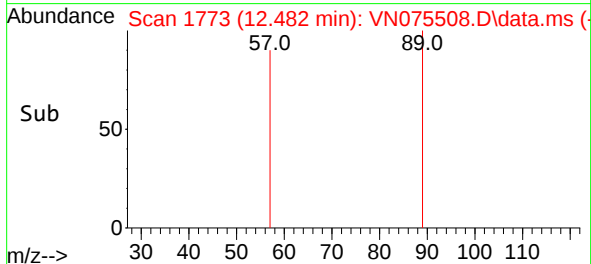
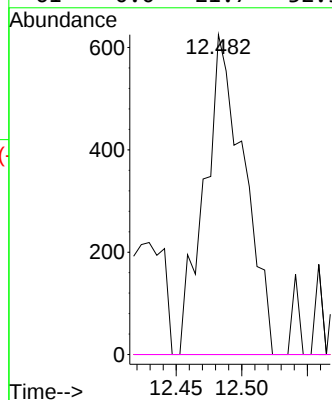
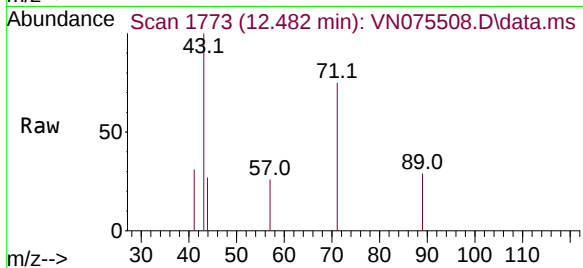
Ion Ratio Lower Upper

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: 21.478 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075508.D

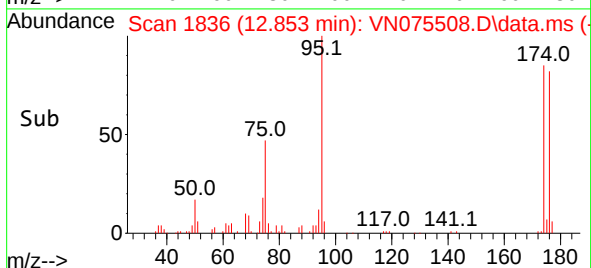
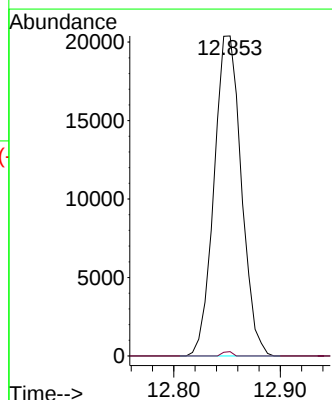
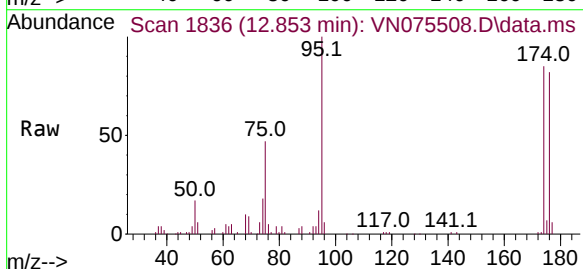
Acq: 30 Nov 2022 17:52

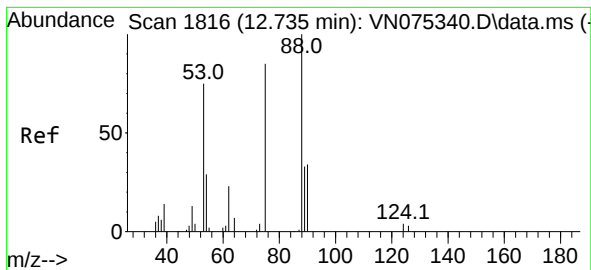
Tgt Ion: 75 Resp: 36248

Ion Ratio Lower Upper

75 100

77 0.5 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.550 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075508.D
 Acq: 30 Nov 2022 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#12

Tgt Ion: 75 Resp: 36248
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

