

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075568.D
 Acq On : 05 Dec 2022 18:55
 Operator : JC\MD
 Sample : PB149407ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149407ZHE#01

Quant Time: Dec 06 03:26:31 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

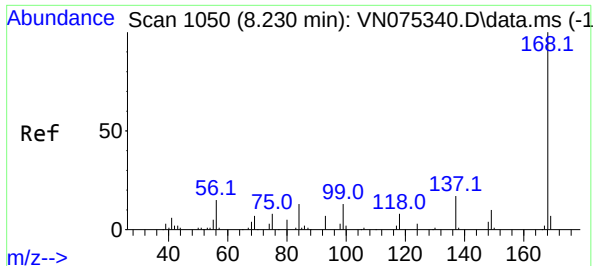
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	164805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	47030	53.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.320%			
35) Dibromofluoromethane	8.171	113	57781	52.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	10.570	98	127017	51.530	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.853	95	89533	49.211	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.420%			
Target Compounds						Qvalue
6) Chloroethane	3.118	64	643	0.429	ug/l #	45
11) Tert butyl alcohol	5.512	59	3512	9.457	ug/l #	72
16) Acetone	4.441	43	11074	13.420	ug/l	91
18) Methyl Acetate	5.041	43	3687	0.490	ug/l	99
20) Methylene Chloride	5.288	84	4944	1.720	ug/l #	87
25) 2-Butanone	7.494	43	999	0.867	ug/l #	43
29) Tetrahydrofuran	7.582	42	1218	1.738	ug/l #	26
31) Cyclohexane	8.229	56	2976	1.059	ug/l #	6
36) 1,1-Dichloropropene	8.229	75	11729	4.914	ug/l #	48
37) Ethyl Acetate	7.565	43	20676	9.621	ug/l	98
38) Carbon Tetrachloride	8.229	117	15672	5.978	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	585	0.239	ug/l #	75
43) Isopropyl Acetate	8.694	43	148836	43.148	ug/l #	81
45) 1,2-Dichloropropane	9.747	63	1236	0.710	ug/l #	42
48) Methyl methacrylate	9.747	41	86928	54.500	ug/l #	34
49) 1,4-Dioxane	9.741	88	83	1.833	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	82785	37.680	ug/l #	45
53) t-1,3-Dichloropropene	10.723	75	741	0.289	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	46762	16.814	ug/l #	63
56) Ethyl methacrylate	10.988	69	1166	0.450	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5841	1.868	ug/l #	42
59) 2-Hexanone	11.170	43	89024	53.962	ug/l #	21
74) N-amyl acetate	12.488	43	893	0.349	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	45558	21.128	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	45558	62.512	ug/l #	10

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

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Quant Title : SW846 8260
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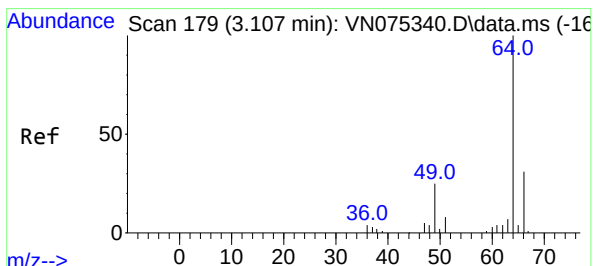
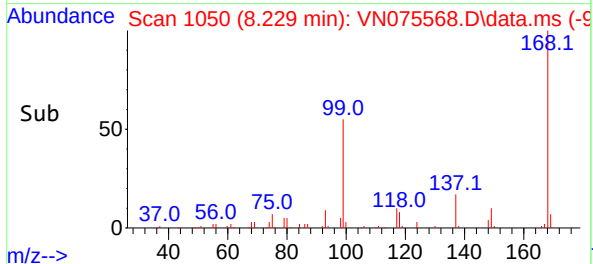
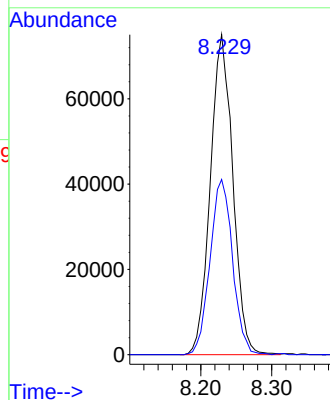
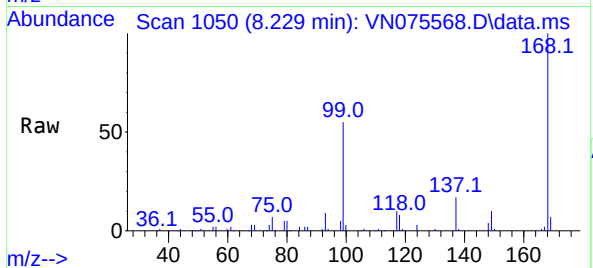




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

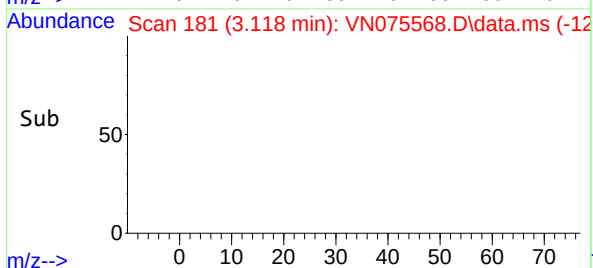
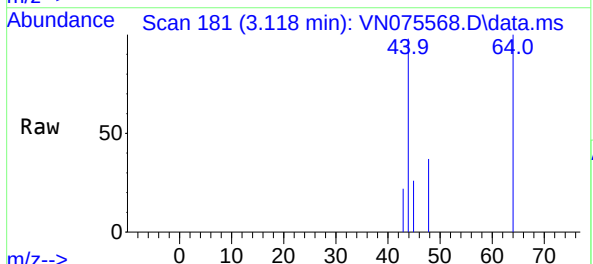
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

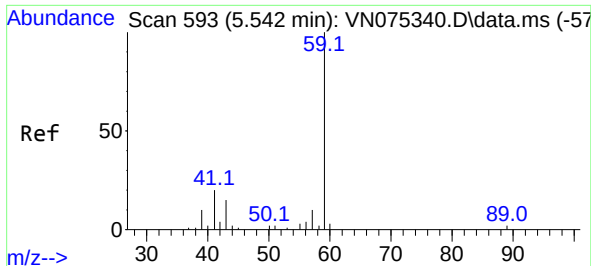
Tgt Ion:168 Resp: 164805
Ion Ratio Lower Upper
168 100
99 54.7 51.6 77.4



#6
Chloroethane
Concen: 0.429 ug/l
RT: 3.118 min Scan# 181
Delta R.T. 0.011 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 64 Resp: 643
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

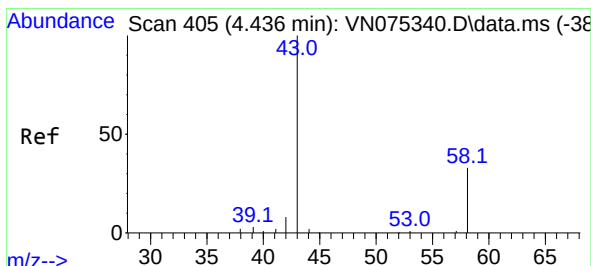
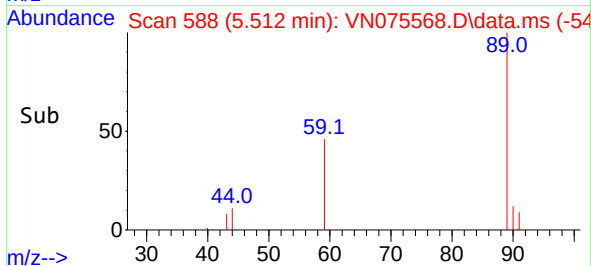
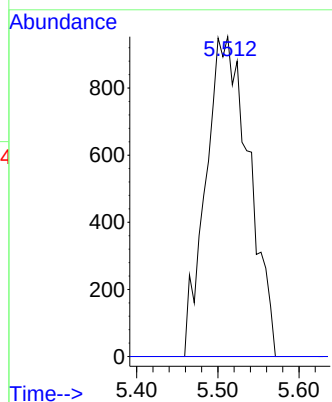
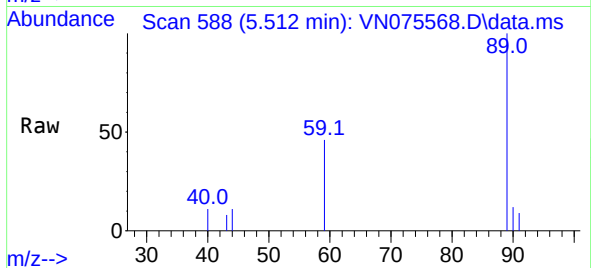




#11
Tert butyl alcohol
Concen: 9.457 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

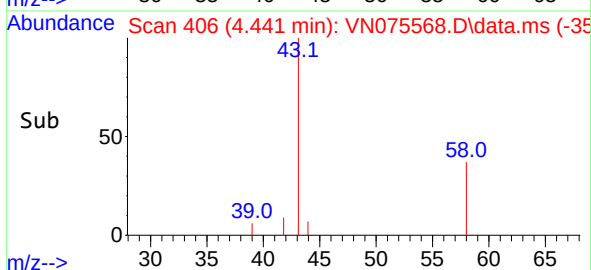
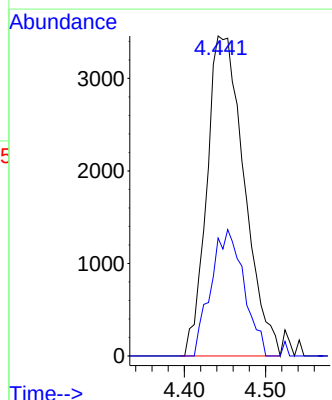
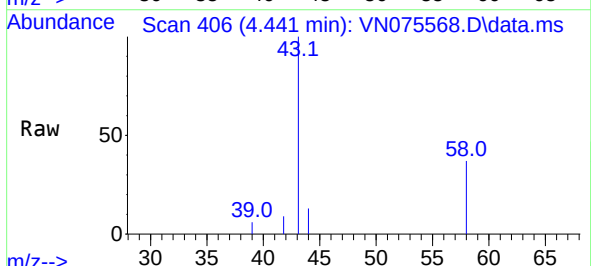
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ClientSampleId :
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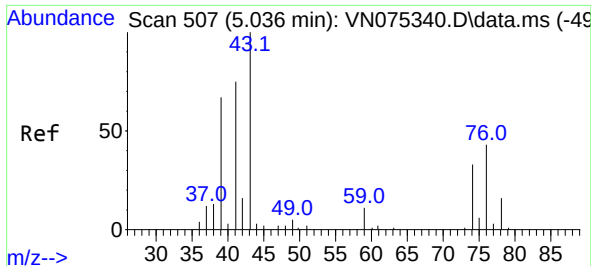
Tgt Ion: 59 Resp: 3512
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 13.420 ug/l
RT: 4.441 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 43 Resp: 11074
Ion Ratio Lower Upper
43 100
58 36.8 25.5 38.3

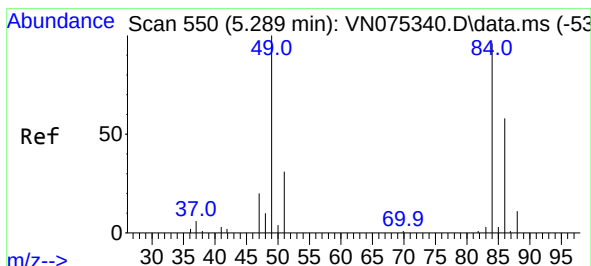
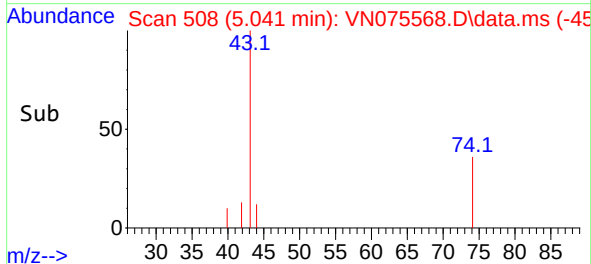
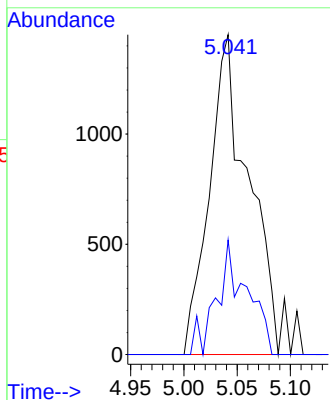
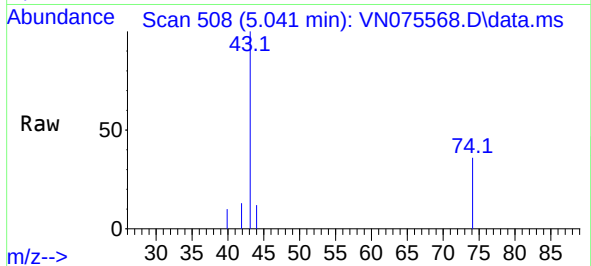




#18
Methyl Acetate
Concen: 0.490 ug/l
RT: 5.041 min Scan# 507
Delta R.T. 0.005 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

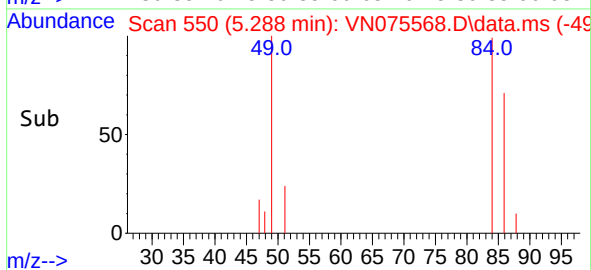
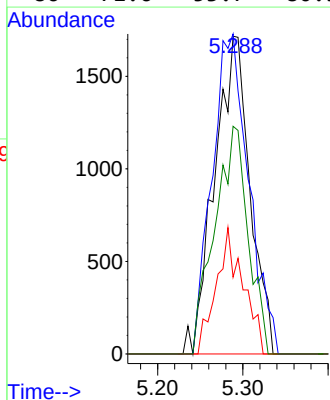
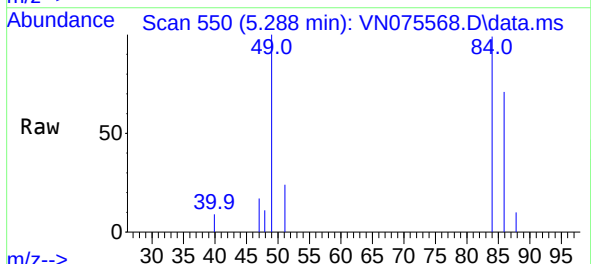
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

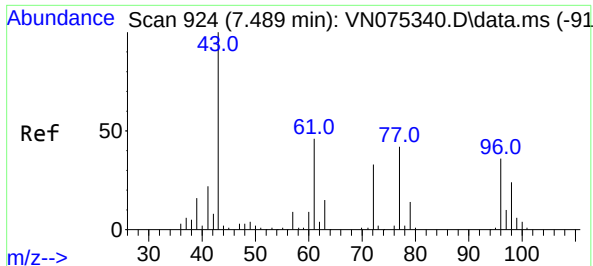
Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
74 27.9 22.0 33.0



#20
Methylene Chloride
Concen: 1.720 ug/l
RT: 5.288 min Scan# 550
Delta R.T. -0.001 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 84 Resp: 4944
Ion Ratio Lower Upper
84 100
49 100.7 94.9 142.3
51 24.2 26.8 40.2#
86 71.6 53.7 80.5

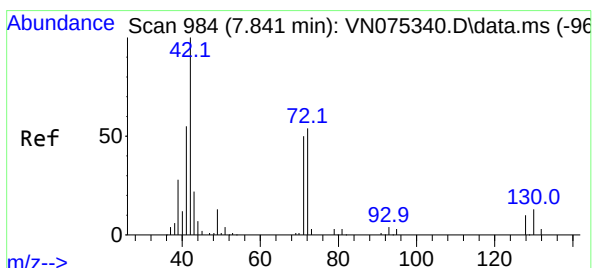
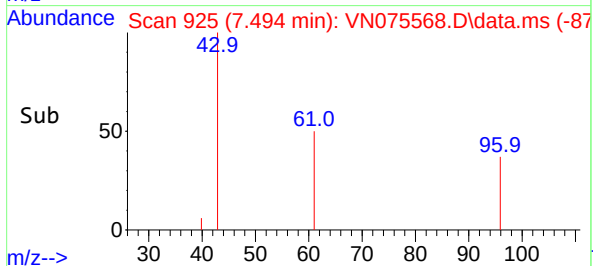
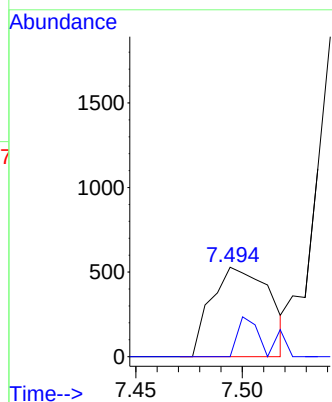
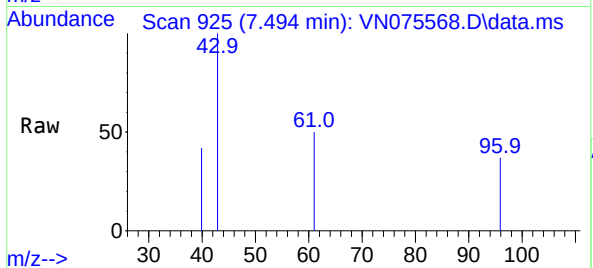




#25
2-Butanone
Concen: 0.867 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

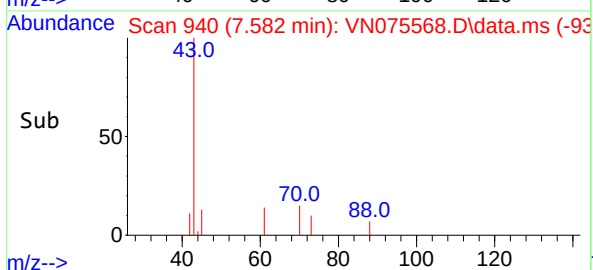
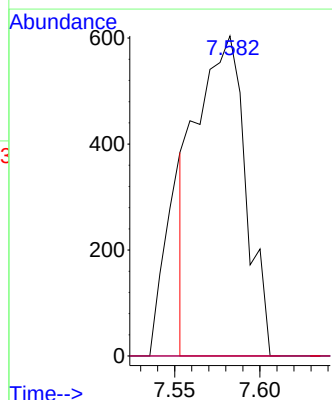
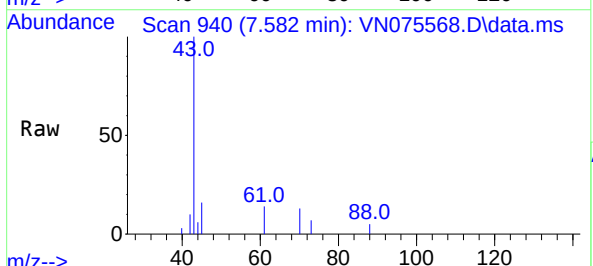
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

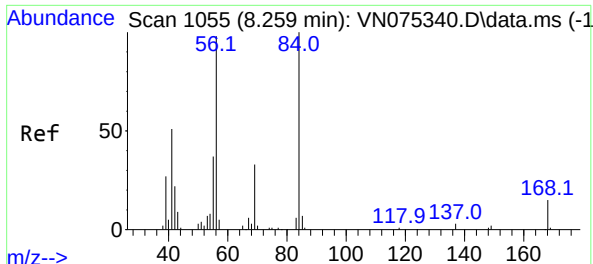
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#29
Tetrahydrofuran
Concen: 1.738 ug/l
RT: 7.582 min Scan# 940
Delta R.T. -0.259 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 42 Resp: 1218
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#





#31

Cyclohexane

Concen: 1.059 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.030 min

Lab File: VN075568.D

Acq: 05 Dec 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB149407ZHE#01

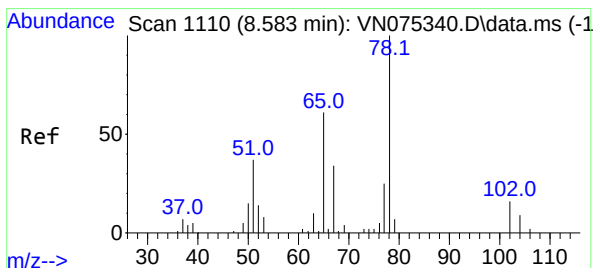
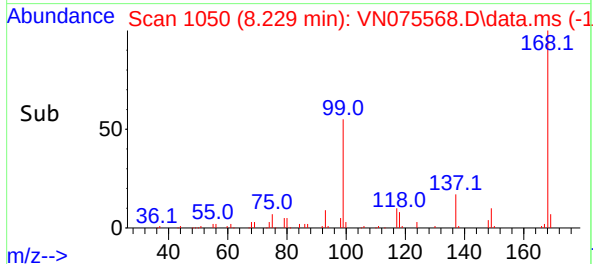
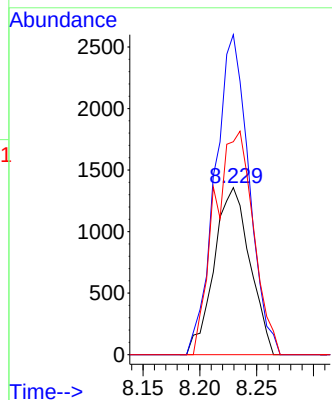
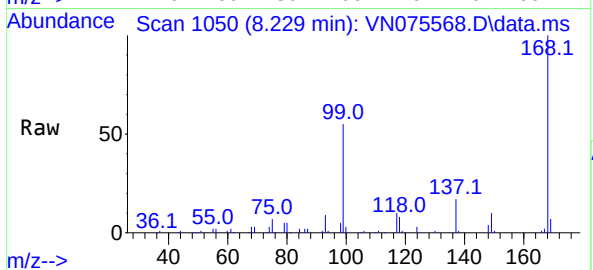
Tgt Ion: 56 Resp: 2976

Ion Ratio Lower Upper

56 100

69 191.6 25.2 37.8#

84 127.5 77.8 116.8#



#33

1,2-Dichloroethane-d4

Concen: 53.162 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075568.D

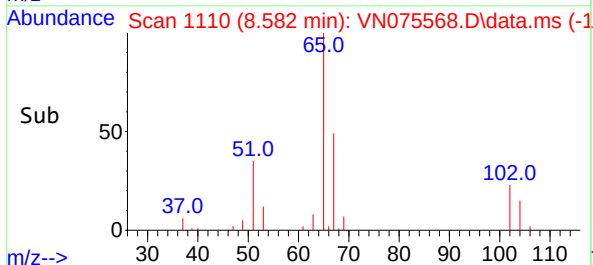
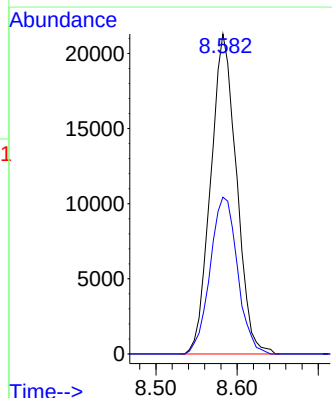
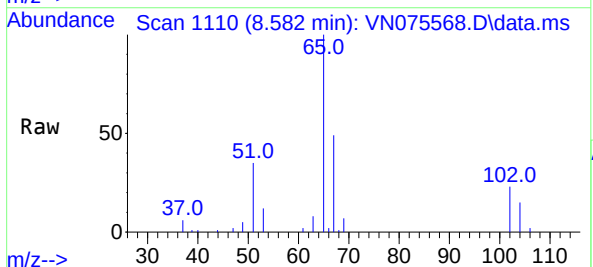
Acq: 05 Dec 2022 18:55

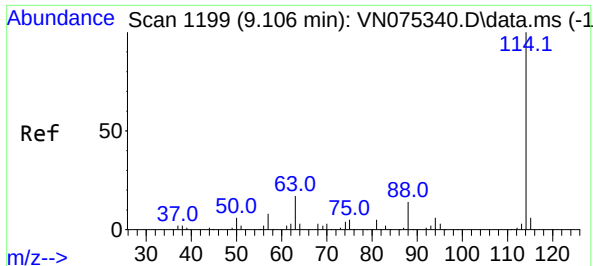
Tgt Ion: 65 Resp: 47030

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0

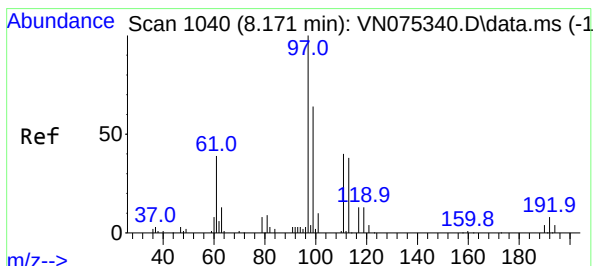
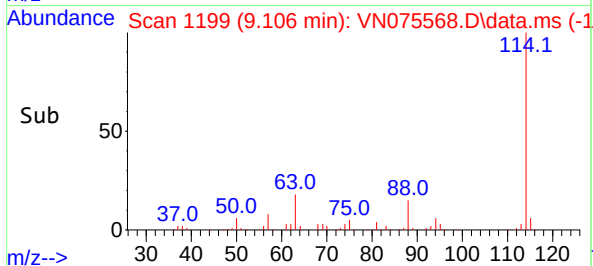
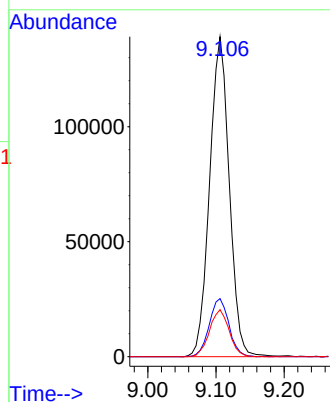
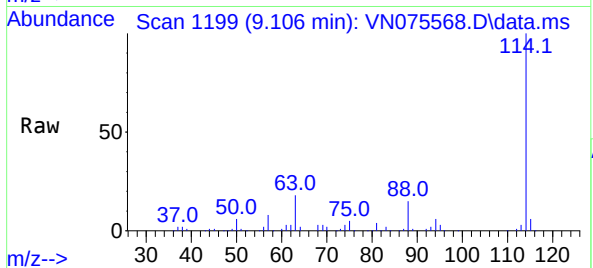




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

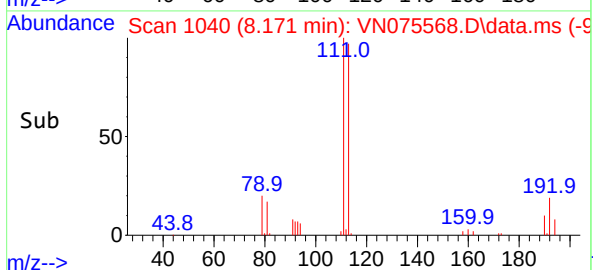
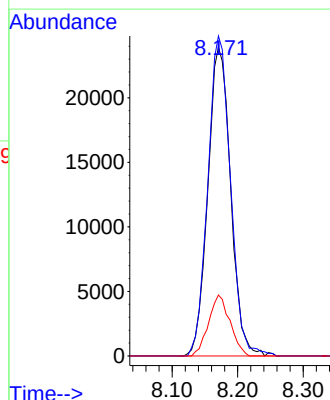
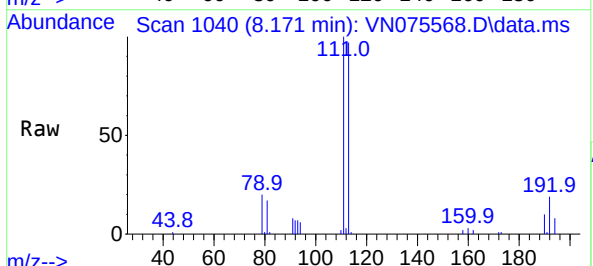
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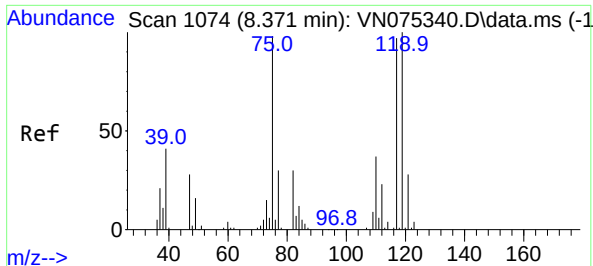
Tgt Ion:114 Resp: 278596
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.6
88 14.7 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.796 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

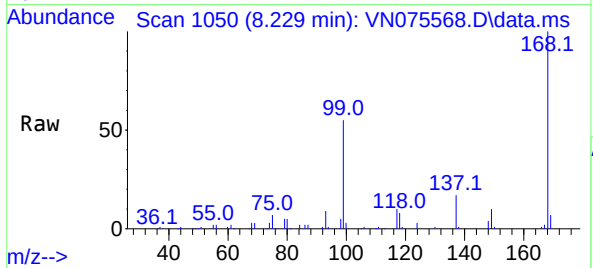
Tgt Ion:113 Resp: 57781
Ion Ratio Lower Upper
113 100
111 102.9 80.5 120.7
192 18.5 13.2 19.8



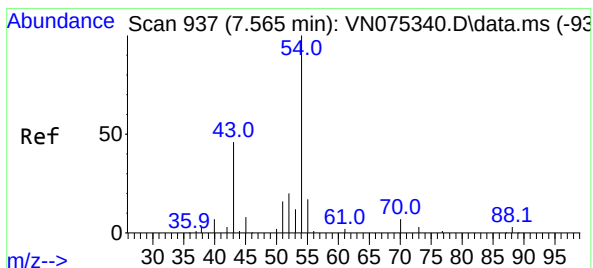
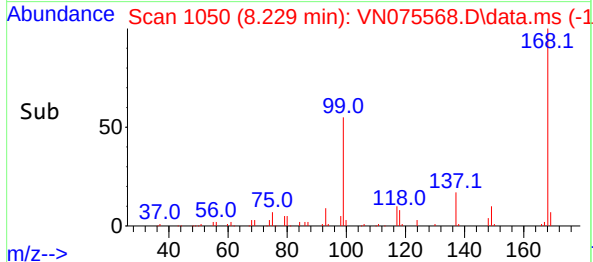
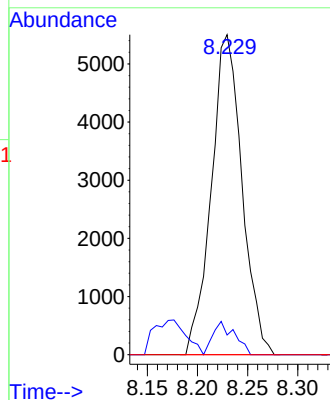


#36
1,1-Dichloropropene
Concen: 4.914 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

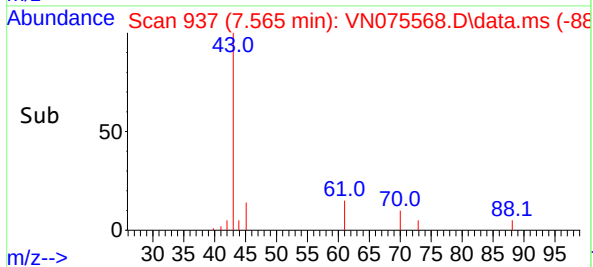
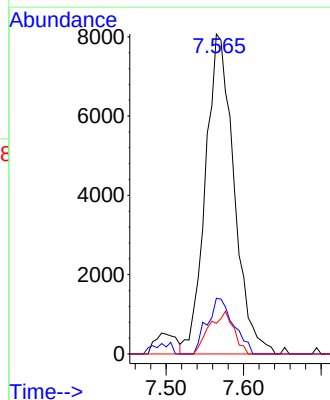
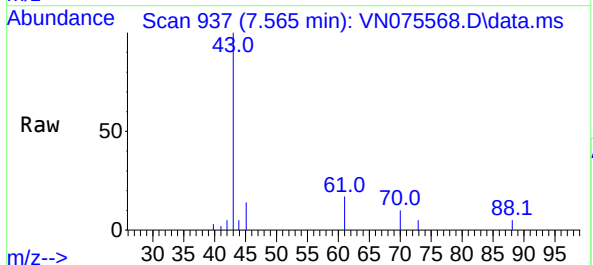


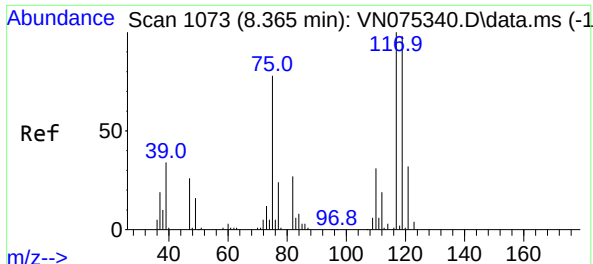
Tgt Ion: 75 Resp: 11729
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.621 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.000 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

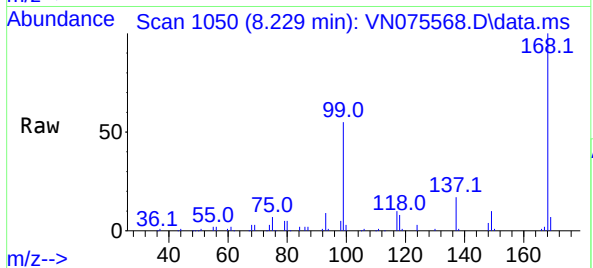
Tgt Ion: 43 Resp: 20676
Ion Ratio Lower Upper
43 100
61 16.1 12.2 18.4
70 11.4 9.4 14.2



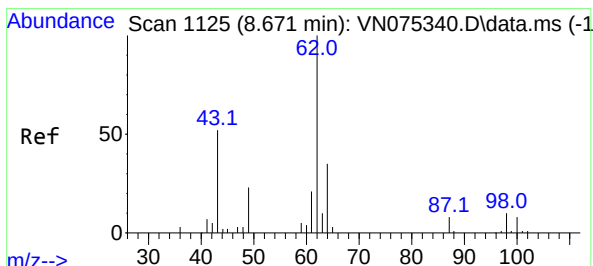
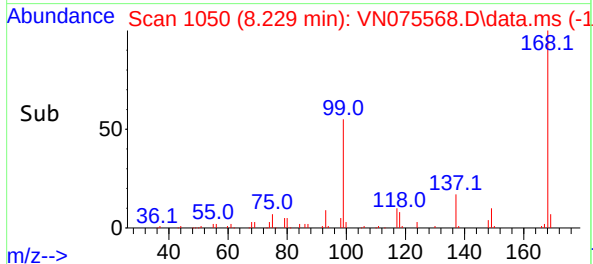
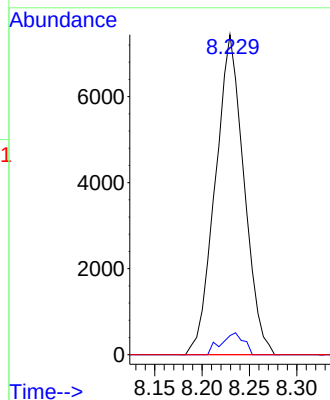


#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

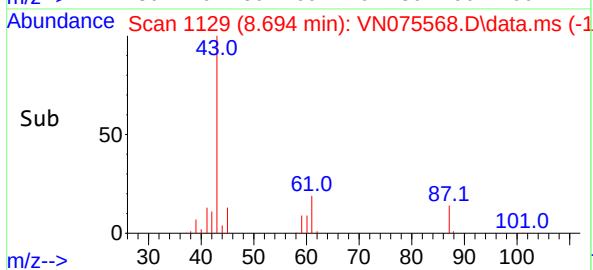
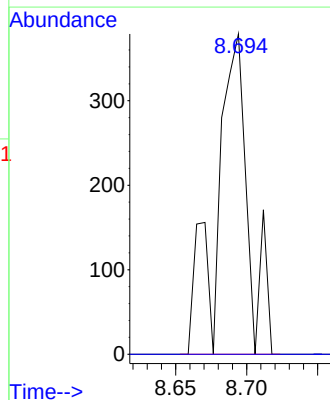
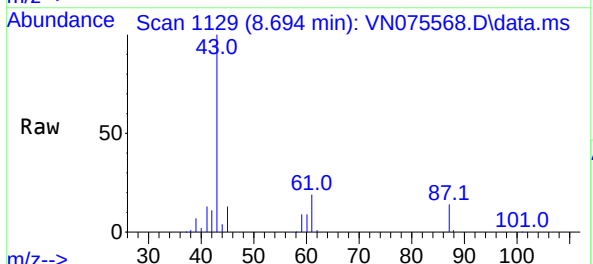


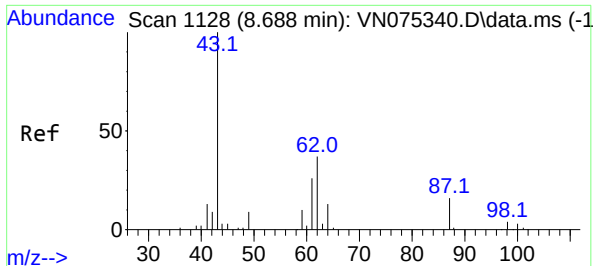
Tgt Ion:117 Resp: 15672
Ion Ratio Lower Upper
117 100
119 6.0 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.239 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.023 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 62 Resp: 585
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

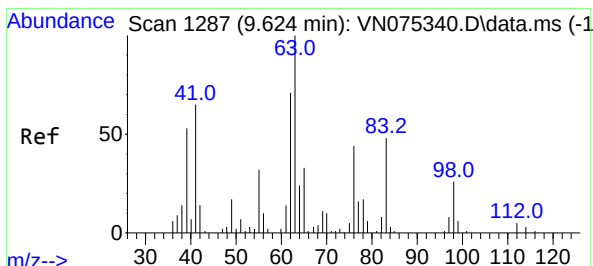
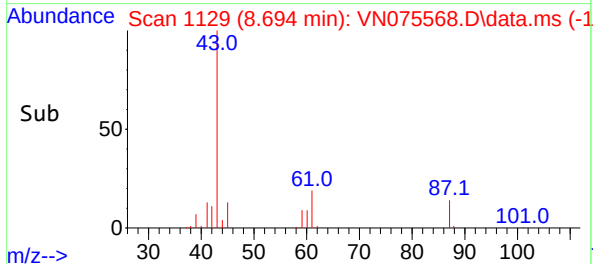
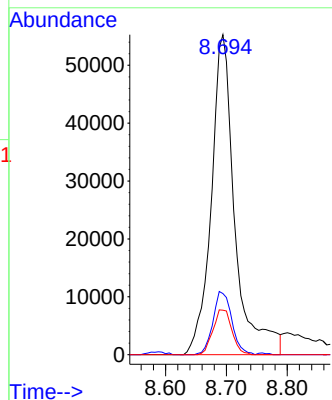
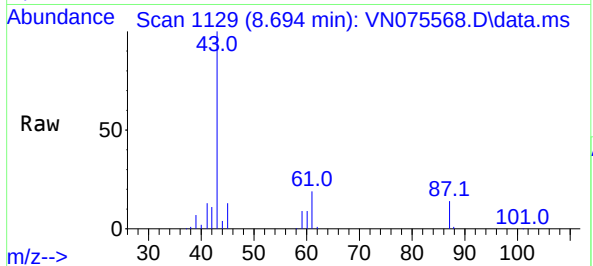




#43
Isopropyl Acetate
Concen: 43.148 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

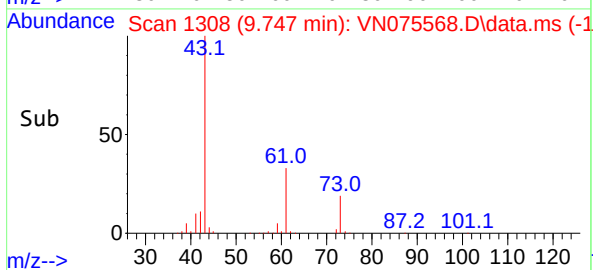
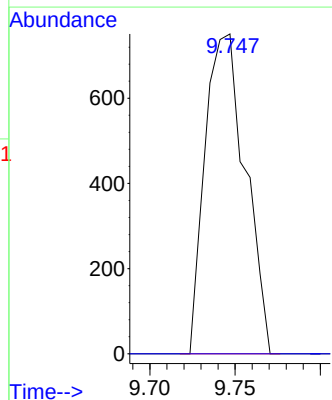
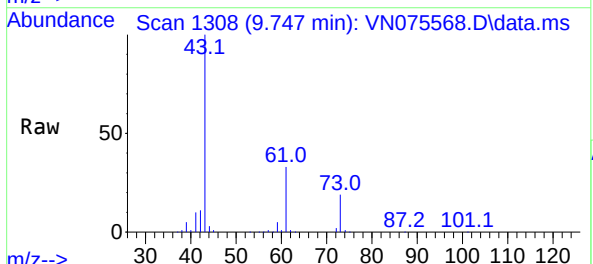
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

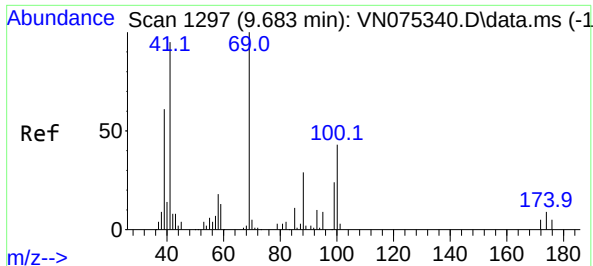
Tgt Ion: 43 Resp: 148836
Ion Ratio Lower Upper
43 100
61 15.7 22.4 33.6#
87 11.2 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.710 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 63 Resp: 1236
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

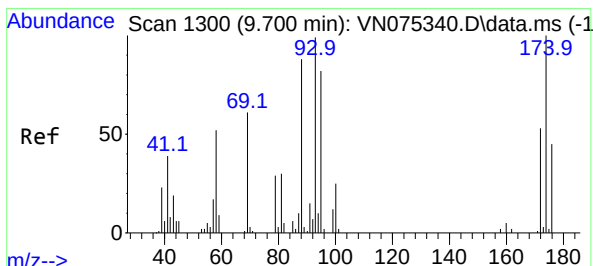
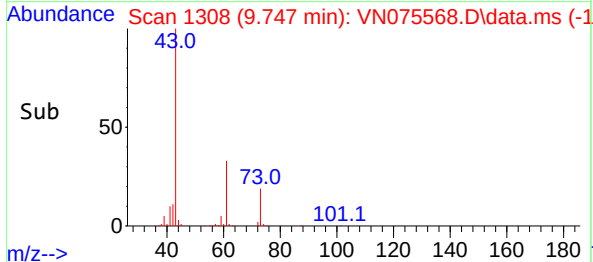
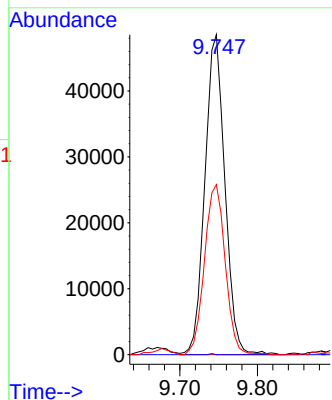
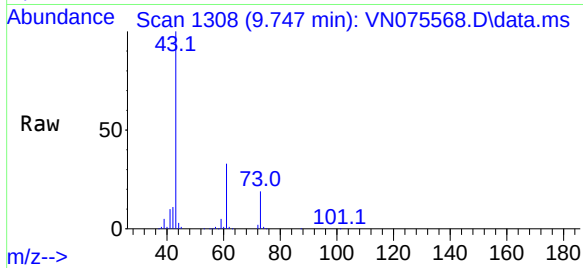




#48
Methyl methacrylate
Concen: 54.500 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

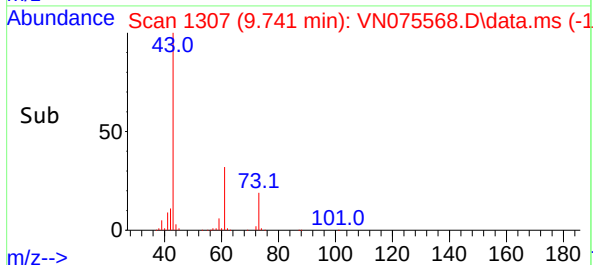
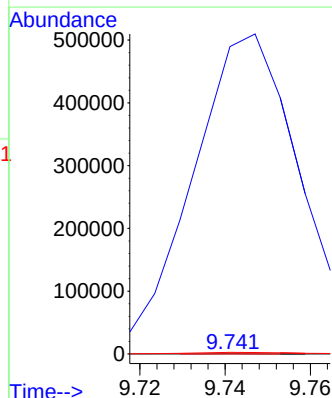
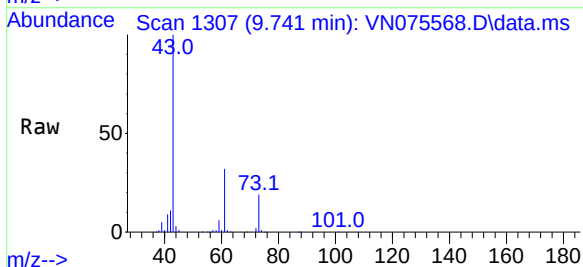
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

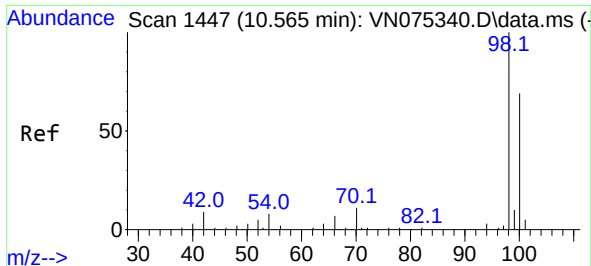
Tgt Ion: 41 Resp: 86928
Ion Ratio Lower Upper
41 100
69 0.1 80.2 120.2#
39 55.2 56.2 84.2#



#49
1,4-Dioxane
Concen: 1.833 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 1107854.2 17.5 26.3#
58 5501.2 49.8 74.8#

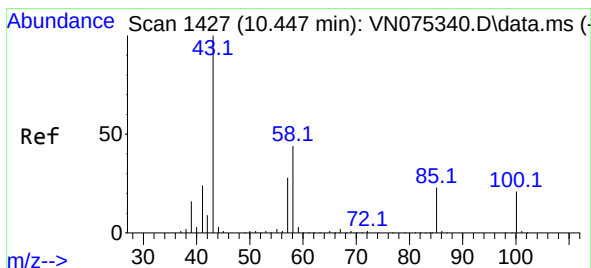
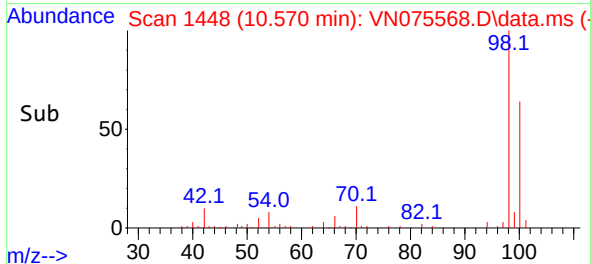
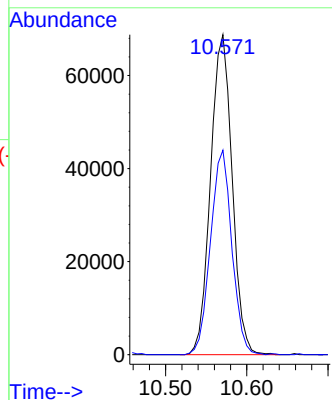
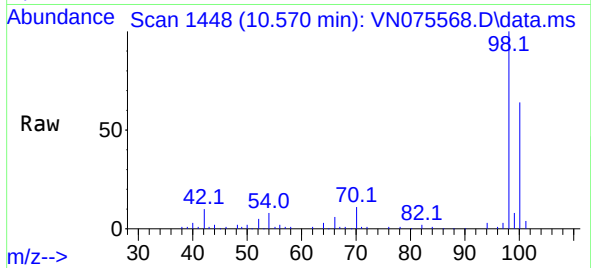




#50
Toluene-d8
Concen: 51.530 ug/l
RT: 10.570 min Scan# 1447
Delta R.T. 0.005 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

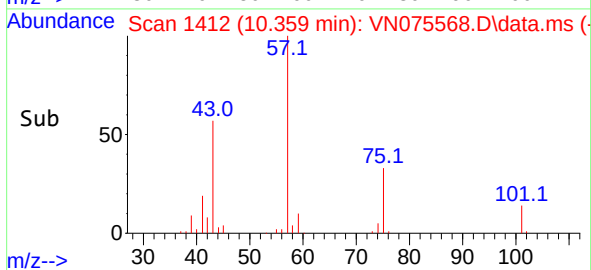
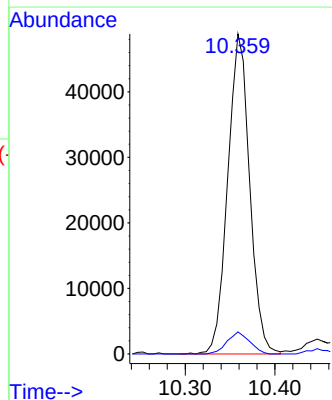
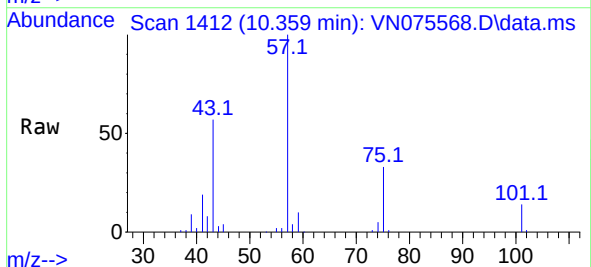
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

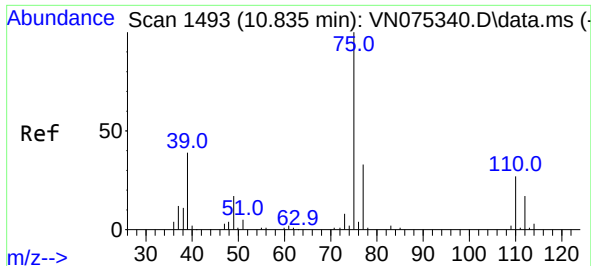
Tgt Ion: 98 Resp: 127017
Ion Ratio Lower Upper
98 100
100 63.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 37.680 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 43 Resp: 82785
Ion Ratio Lower Upper
43 100
58 7.1 33.6 50.4#

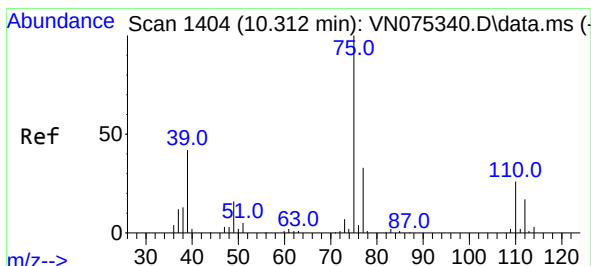
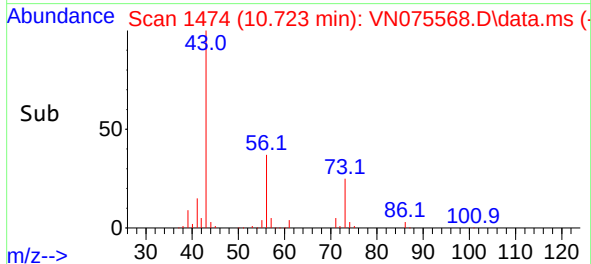
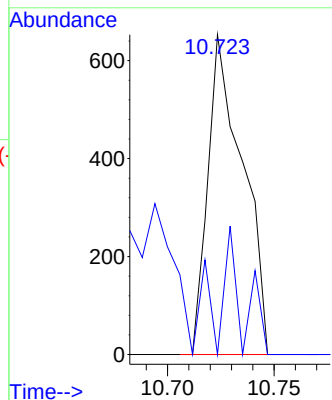
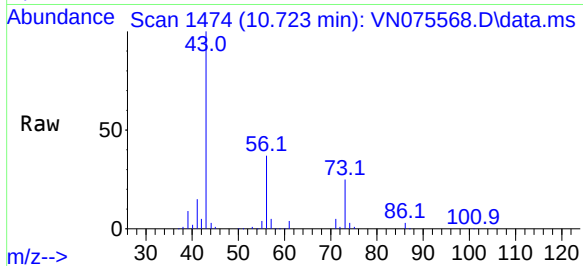




#53
 t-1,3-Dichloropropene
 Concen: 0.289 ug/l
 RT: 10.723 min Scan# 1412
 Delta R.T. -0.112 min
 Lab File: VN075568.D
 Acq: 05 Dec 2022 18:55

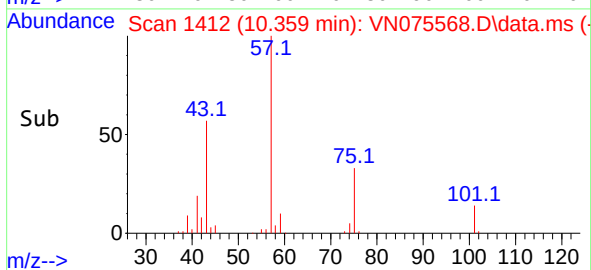
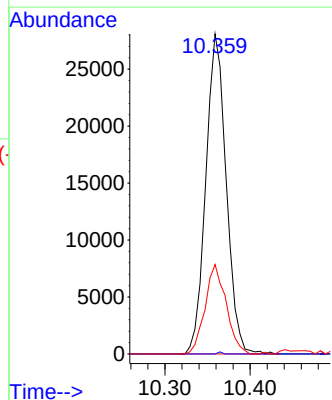
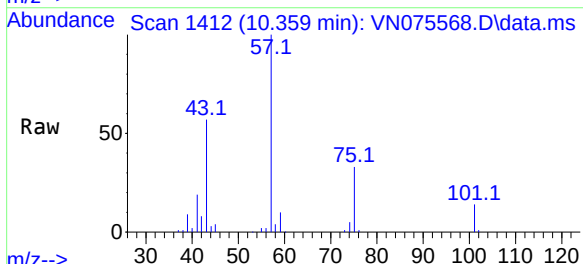
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149407ZHE#01

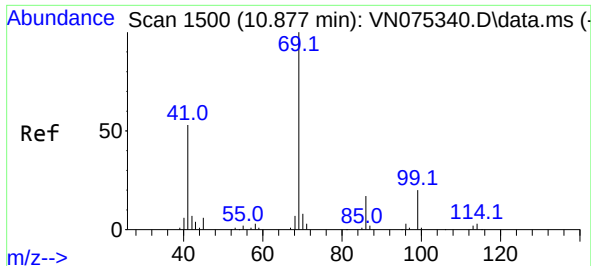
Tgt Ion: 75 Resp: 741
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 16.814 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075568.D
 Acq: 05 Dec 2022 18:55

Tgt Ion: 75 Resp: 46762
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 27.9 35.8 53.6#





#56

Ethyl methacrylate

Concen: 0.450 ug/l

RT: 10.988 min Scan# 1166

Delta R.T. 0.111 min

Lab File: VN075568.D

Acq: 05 Dec 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

PB149407ZHE#01

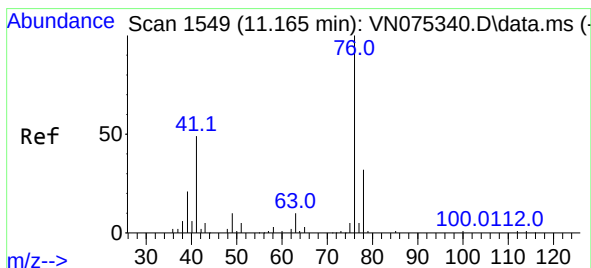
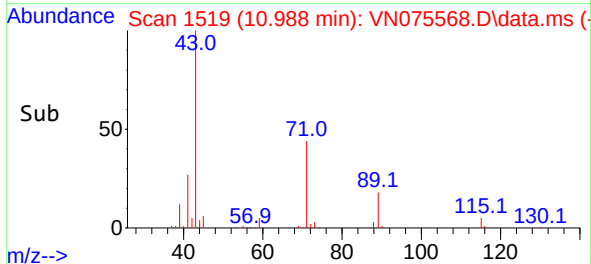
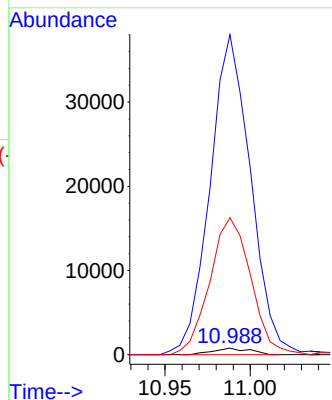
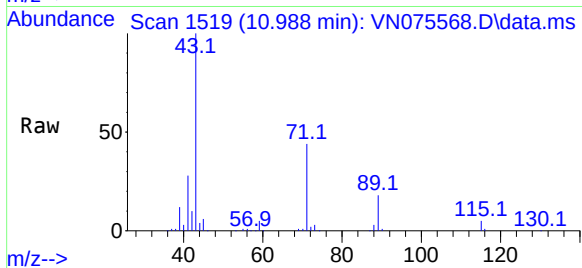
Tgt Ion: 69 Resp: 1166

Ion Ratio Lower Upper

69 100

41 5433.8 45.6 68.4#

39 2338.6 28.5 42.7#



#57

1,3-Dichloropropane

Concen: 1.868 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075568.D

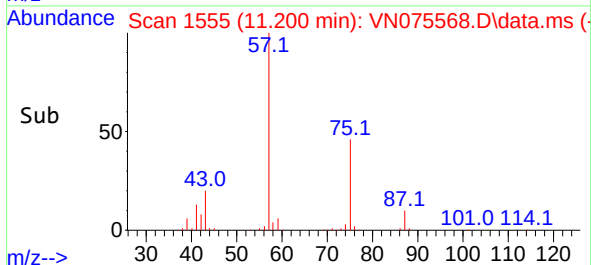
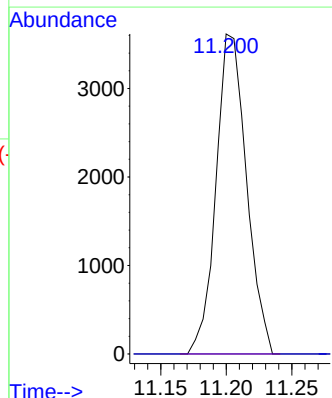
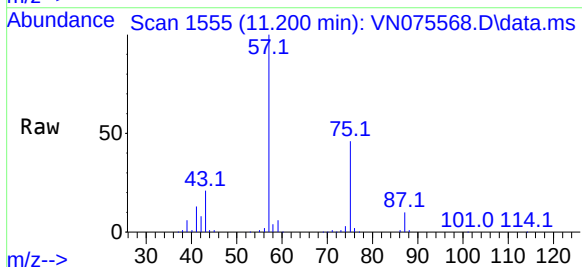
Acq: 05 Dec 2022 18:55

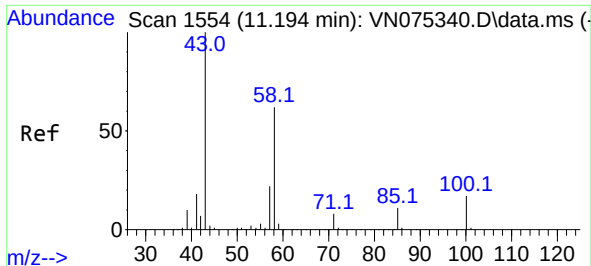
Tgt Ion: 76 Resp: 5841

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

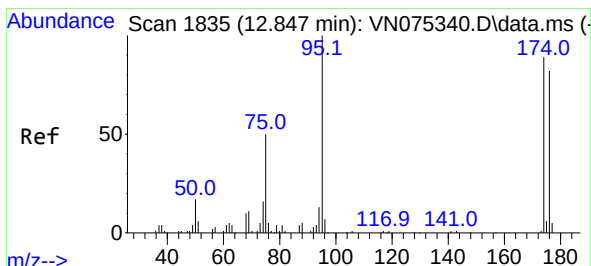
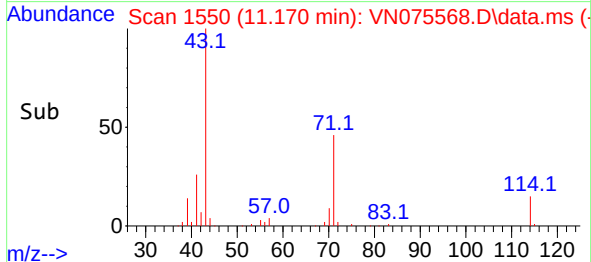
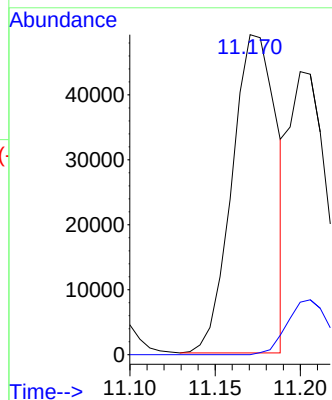
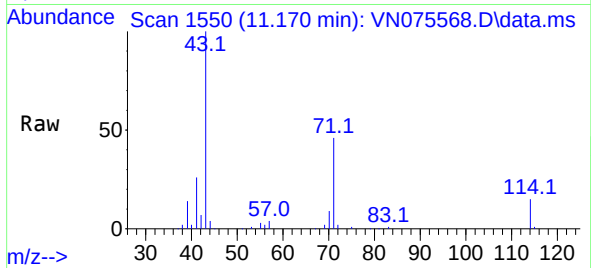




#59
2-Hexanone
Concen: 53.962 ug/l
RT: 11.170 min Scan# 1115
Delta R.T. -0.024 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

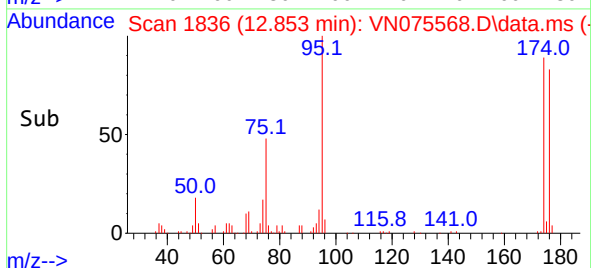
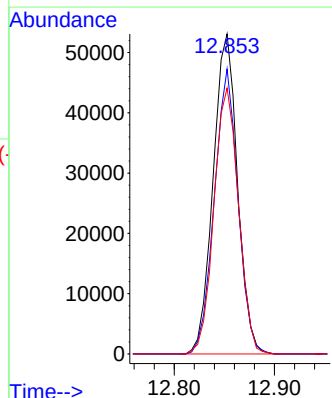
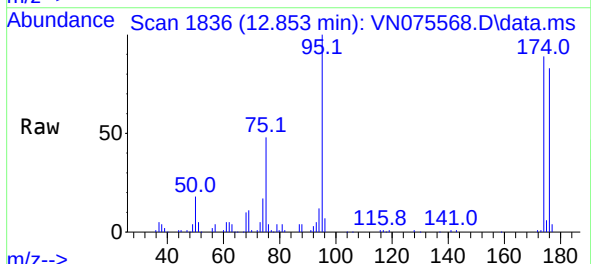
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

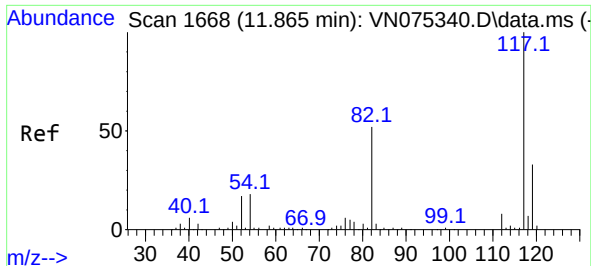
Tgt Ion: 43 Resp: 89024
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.211 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion: 95 Resp: 89533
Ion Ratio Lower Upper
95 100
174 86.4 0.0 147.4
176 83.6 0.0 142.2

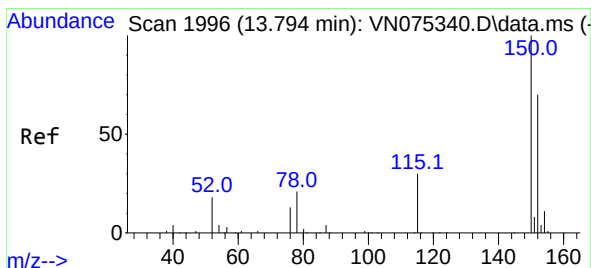
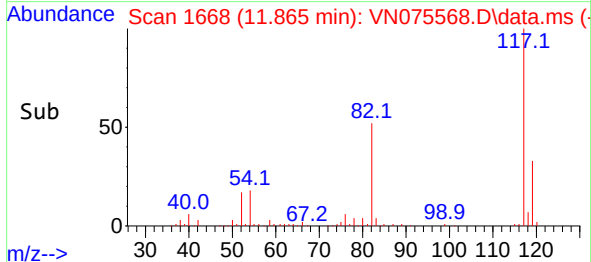
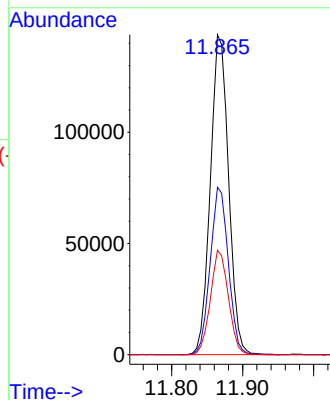
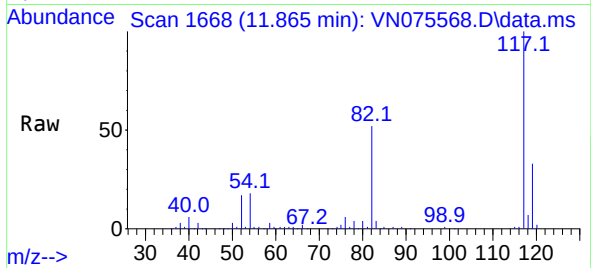




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

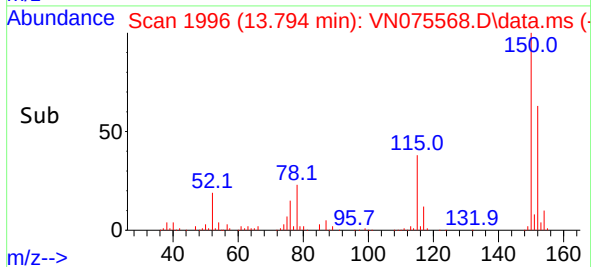
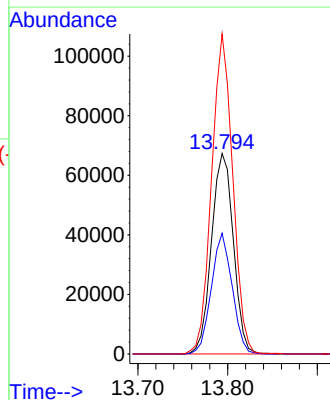
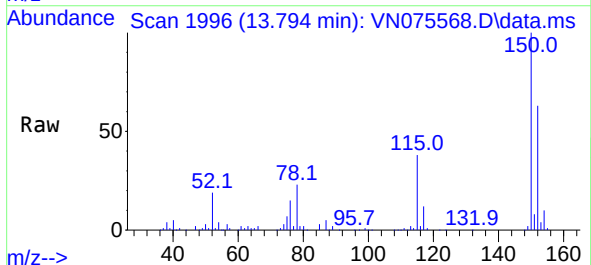
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

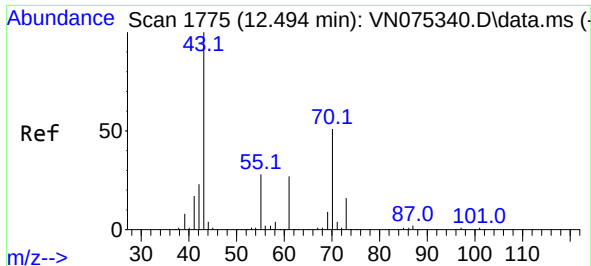
Tgt Ion:117 Resp: 256403
Ion Ratio Lower Upper
117 100
82 52.4 43.1 64.7
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Tgt Ion:152 Resp: 114047
Ion Ratio Lower Upper
152 100
115 57.1 30.2 90.6
150 154.0 0.0 348.4

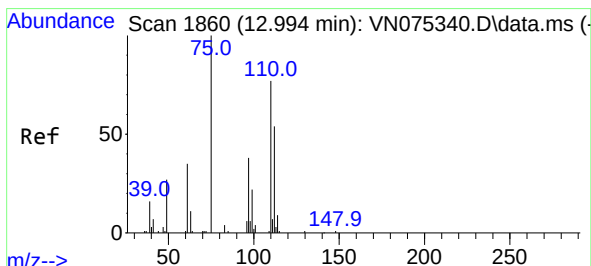
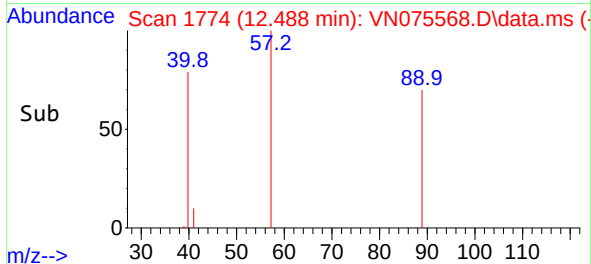
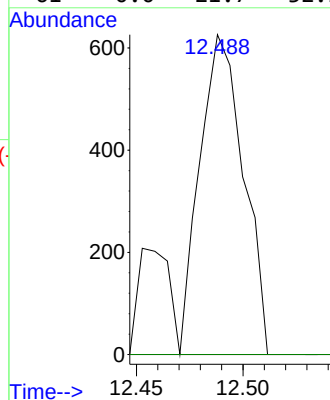
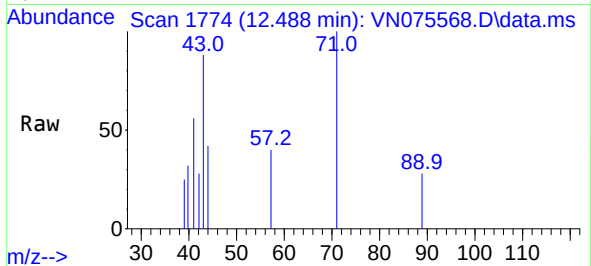




#74
N-amy1 acetate
Concen: 0.349 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

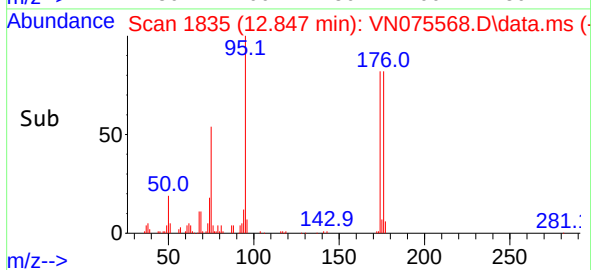
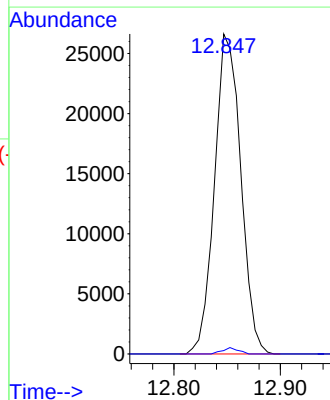
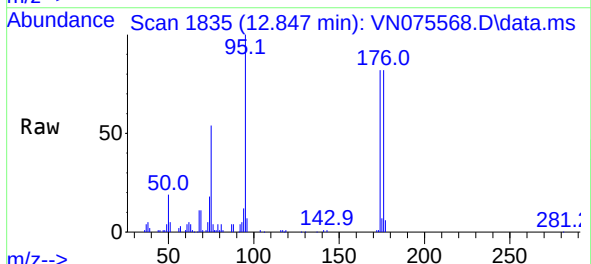
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01

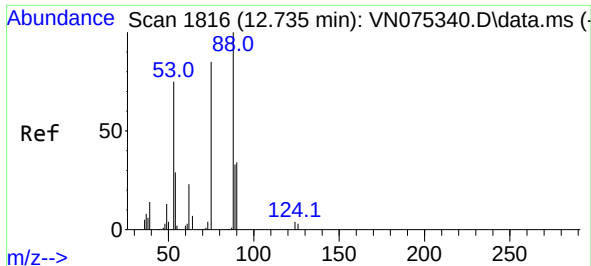
Tgt Ion: 43	Resp:	893
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 21.128 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

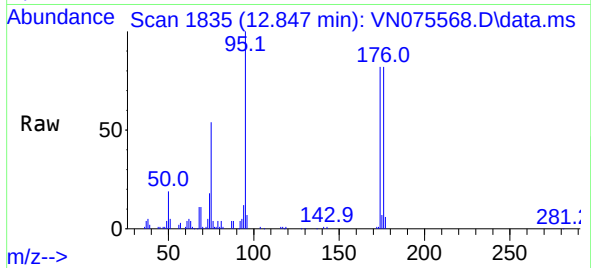
Tgt Ion: 75	Resp:	45558
Ion	Ratio	Lower Upper
75	100	
77	1.2	75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.512 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075568.D
Acq: 05 Dec 2022 18:55

Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#01



Tgt Ion: 75 Resp: 45558
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

