

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075504.D
 Acq On : 30 Nov 2022 16:16
 Operator : JC\MD
 Sample : PB149341ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#08

Quant Time: Dec 01 02:17:06 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)

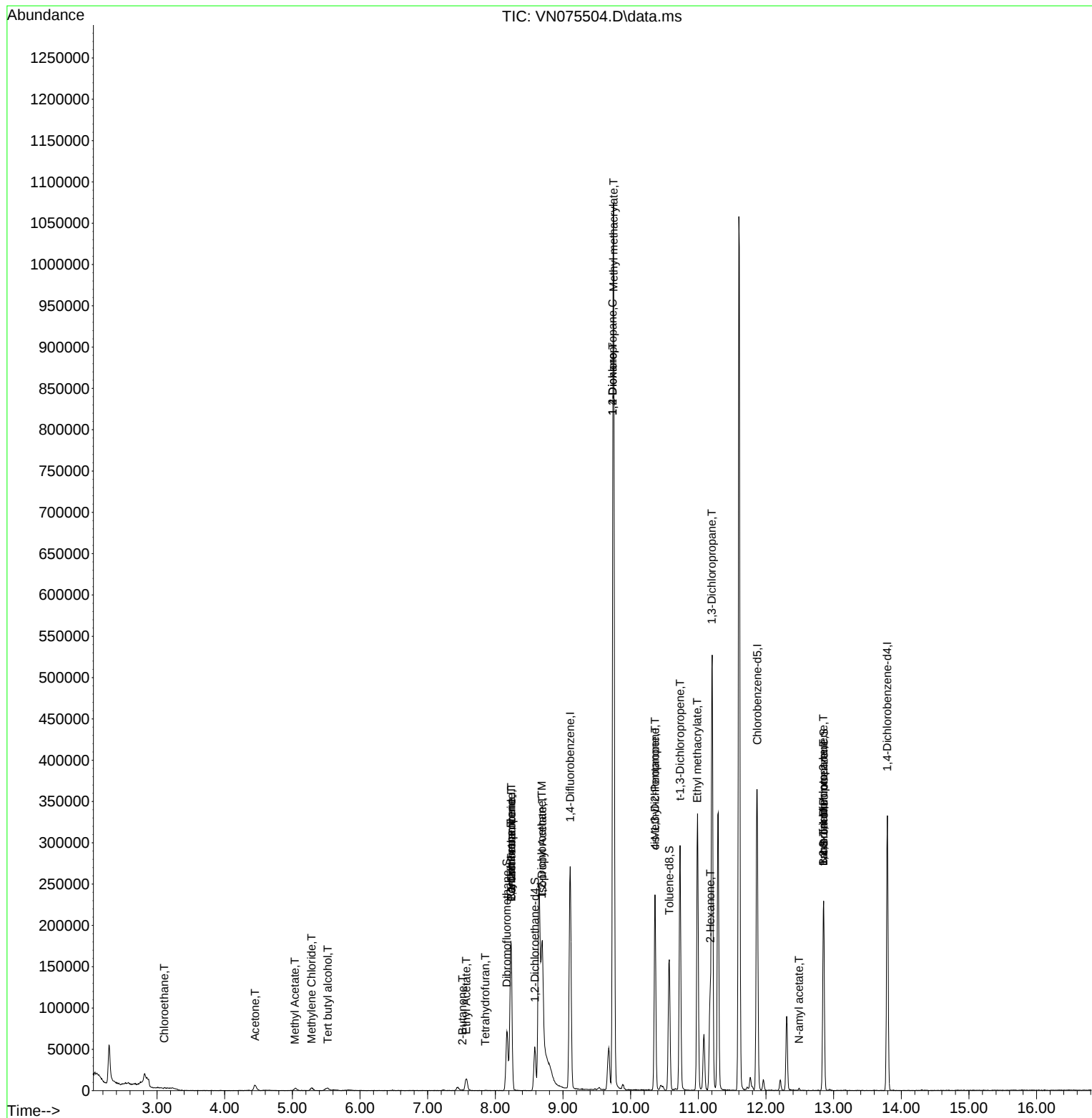
Internal Standards						
1) Pentafluorobenzene	8.236	168	137728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	248821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	233227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42478	57.457	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.920%			
35) Dibromofluoromethane	8.171	113	51291	52.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.940%			
50) Toluene-d8	10.571	98	114903	52.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.853	95	78678	48.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.840%			
Target Compounds						Qvalue
6) Chloroethane	3.106	64	382	0.305	ug/l #	45
11) Tert butyl alcohol	5.524	59	2169	6.989	ug/l #	72
16) Acetone	4.448	43	13218	19.168	ug/l	99
18) Methyl Acetate	5.036	43	5421	1.872	ug/l	92
20) Methylene Chloride	5.283	84	2716	0.681	ug/l	90
25) 2-Butanone	7.512	43	984	1.022	ug/l #	70
29) Tetrahydrofuran	7.853	42	328	0.560	ug/l #	38
31) Cyclohexane	8.230	56	2802	1.193	ug/l #	58
36) 1,1-Dichloropropene	8.236	75	10167	4.770	ug/l #	50
37) Ethyl Acetate	7.571	43	22739	11.847	ug/l	99
38) Carbon Tetrachloride	8.236	117	14146	6.041	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1011	0.463	ug/l #	75
43) Isopropyl Acetate	8.694	43	259664	84.285	ug/l #	73
45) 1,2-Dichloropropane	9.735	63	1511	0.972	ug/l #	42
48) Methyl methacrylate	9.747	41	94630	66.428	ug/l #	34
49) 1,4-Dioxane	9.735	88	54	1.335	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	80524	41.037	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	719	0.314	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	45442	18.295	ug/l #	60
56) Ethyl methacrylate	10.982	69	1172	0.507	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5663	2.028	ug/l #	42
59) 2-Hexanone	11.176	43	85464	58.003	ug/l #	21
71) Bromoform	12.847	173	624	0.456	ug/l #	1
74) N-amyl acetate	12.488	43	1201	0.572	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	40130	22.718	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	40130	67.217	ug/l #	10

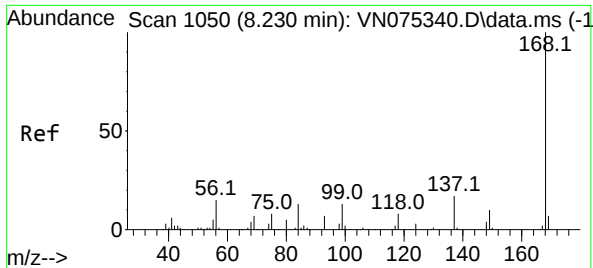
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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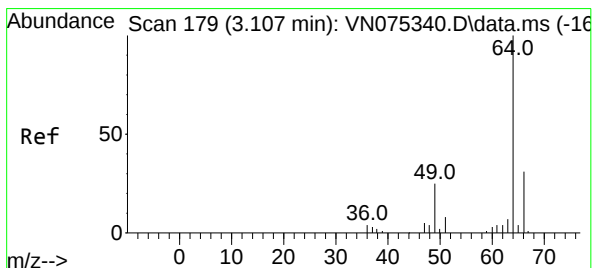
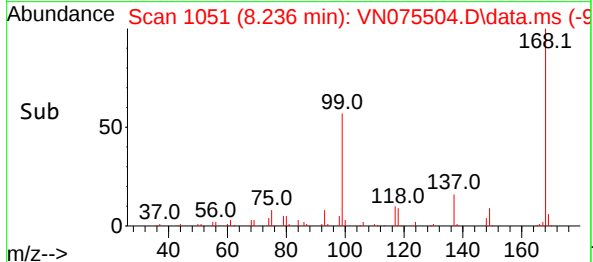
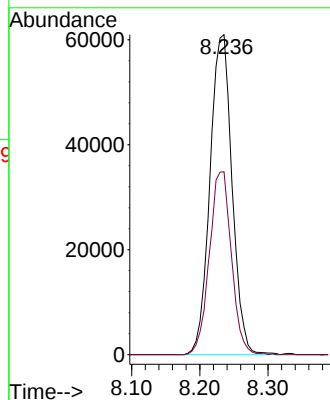
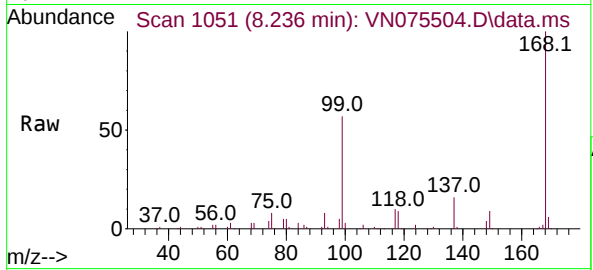




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

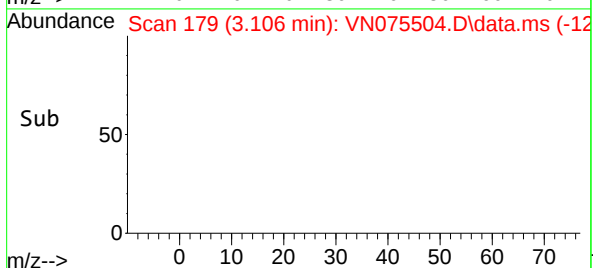
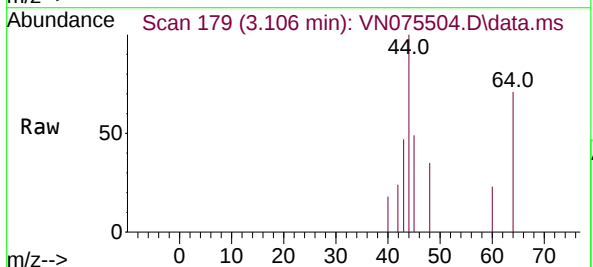
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

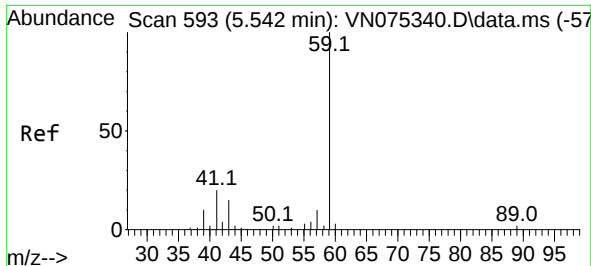
Tgt Ion:168 Resp: 137728
Ion Ratio Lower Upper
168 100
99 57.2 51.6 77.4



#6
Chloroethane
Concen: 0.305 ug/l
RT: 3.106 min Scan# 179
Delta R.T. -0.001 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 64 Resp: 382
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

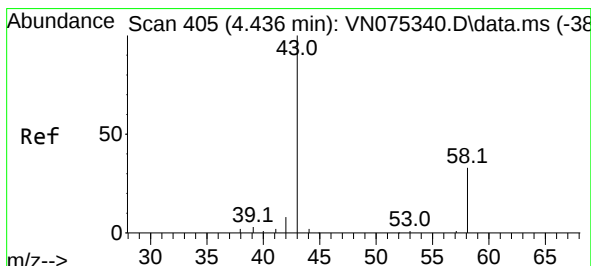
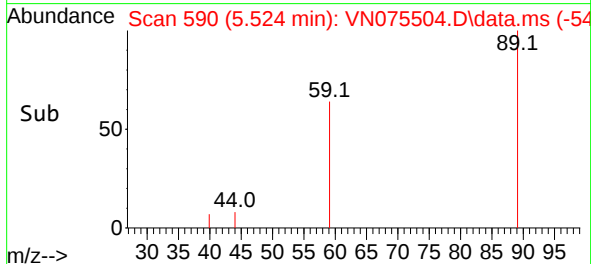
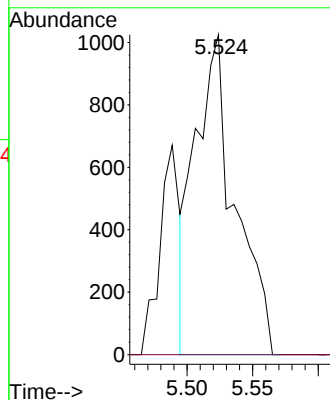
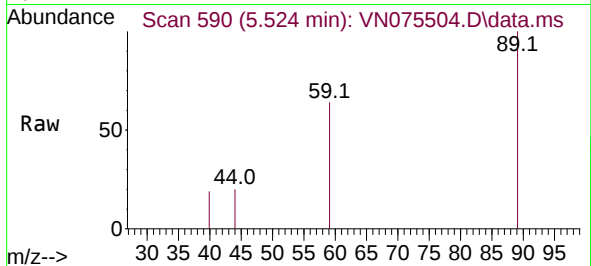




#11
Tert butyl alcohol
Concen: 6.989 ug/l
RT: 5.524 min Scan# 59
Delta R.T. -0.018 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

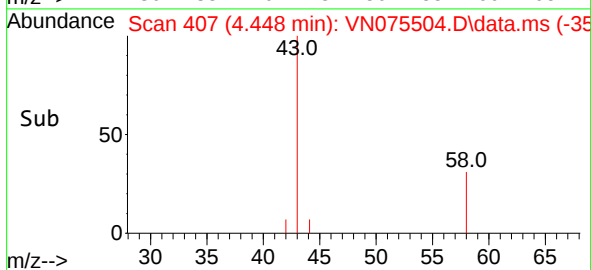
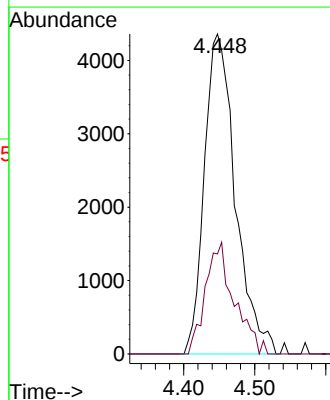
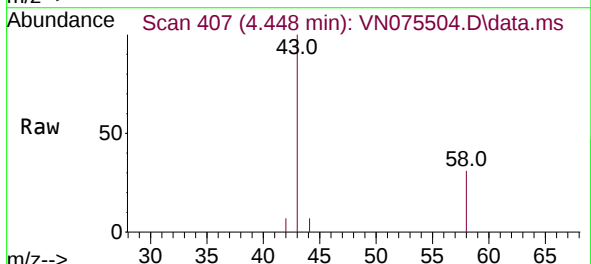
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

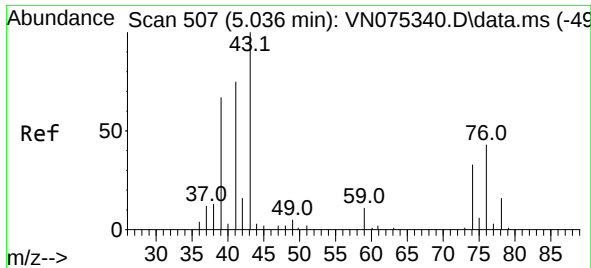
Tgt Ion: 59 Resp: 2169
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.168 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 43 Resp: 13218
Ion Ratio Lower Upper
43 100
58 31.2 25.5 38.3

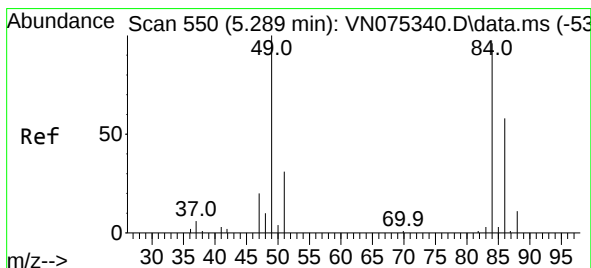
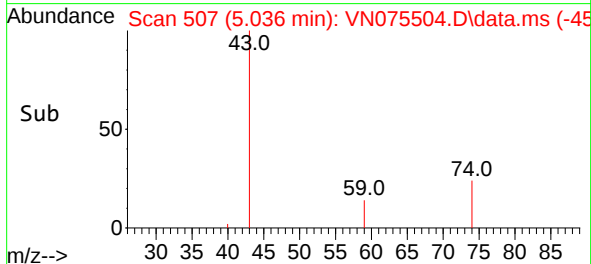
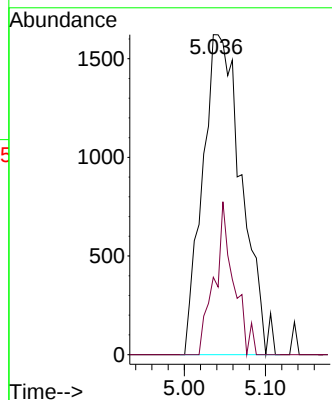
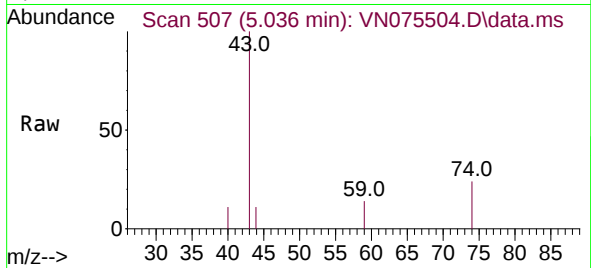




#18
Methyl Acetate
Concen: 1.872 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

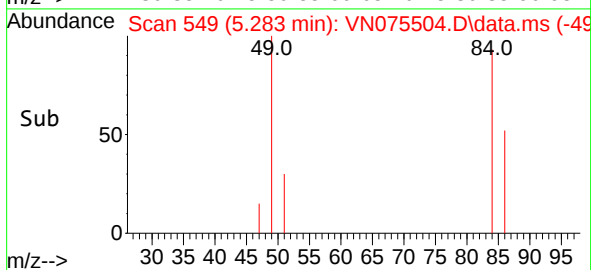
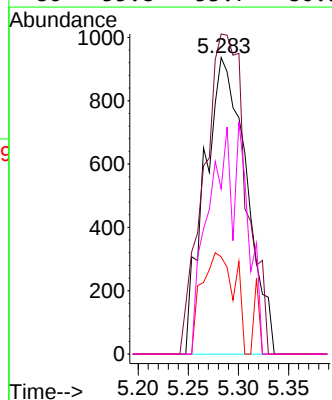
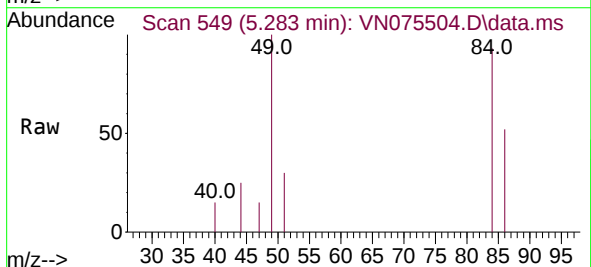
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

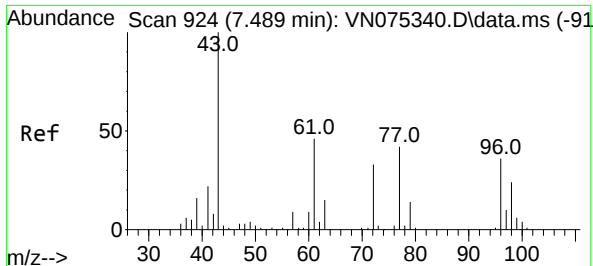
Tgt Ion: 43 Resp: 5421
Ion Ratio Lower Upper
43 100
74 23.4 22.0 33.0



#20
Methylene Chloride
Concen: 0.681 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 84 Resp: 2716
Ion Ratio Lower Upper
84 100
49 108.0 94.9 142.3
51 32.8 26.8 40.2
86 55.8 53.7 80.5





#25

2-Butanone

Concen: 1.022 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN075504.D

Acq: 30 Nov 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

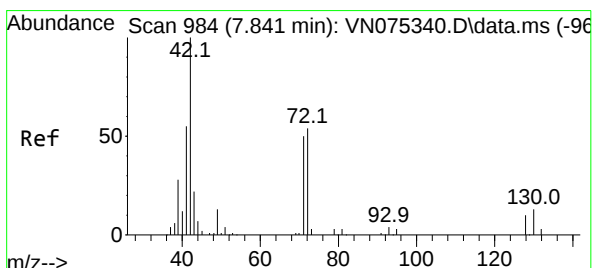
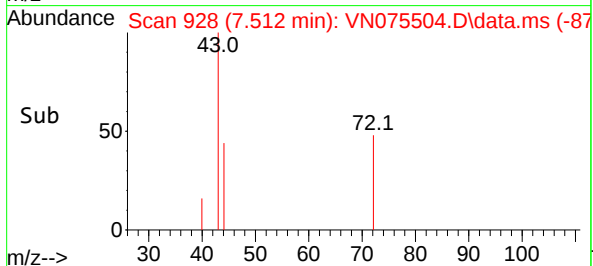
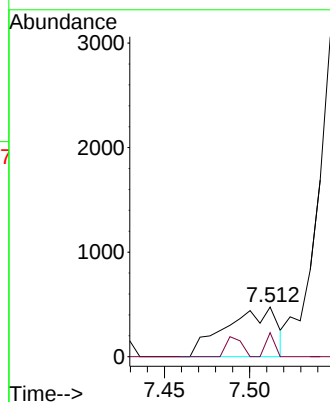
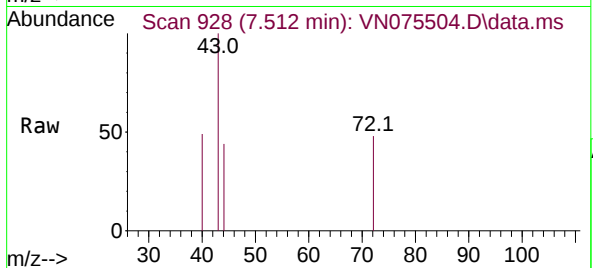
PB149341ZHE#08

Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

43 100

72 48.4 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 7.853 min Scan# 986

Delta R.T. 0.012 min

Lab File: VN075504.D

Acq: 30 Nov 2022 16:16

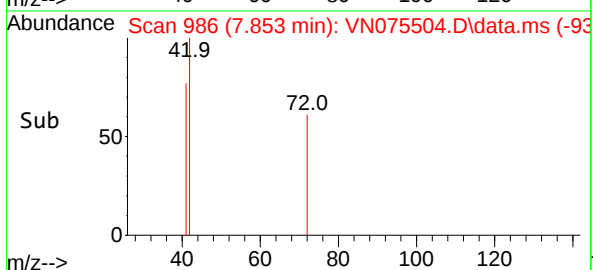
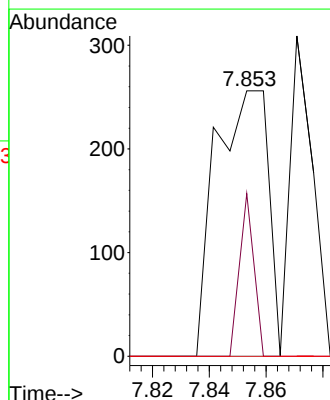
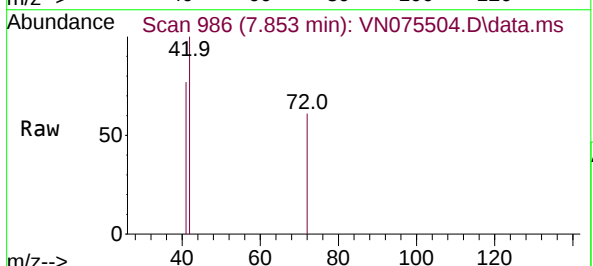
Tgt Ion: 42 Resp: 328

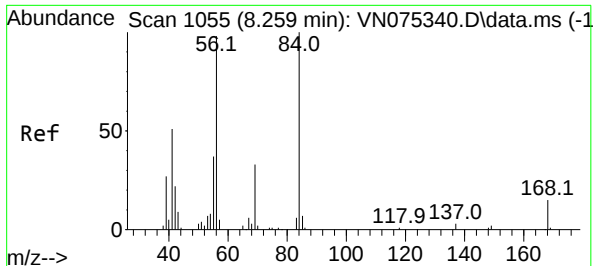
Ion Ratio Lower Upper

42 100

72 16.8 43.0 64.6#

71 0.0 39.9 59.9#

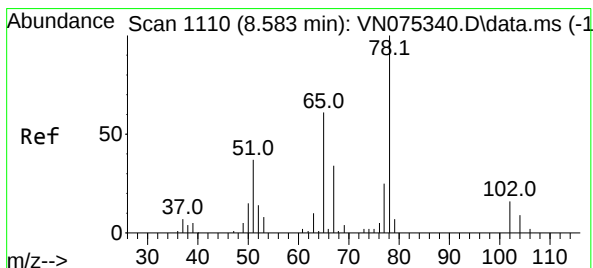
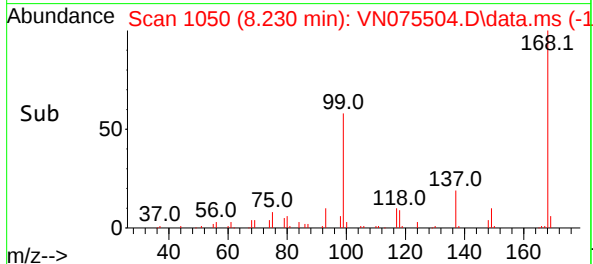
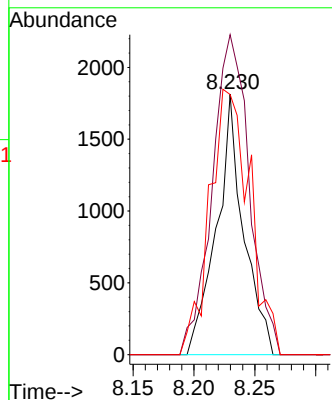
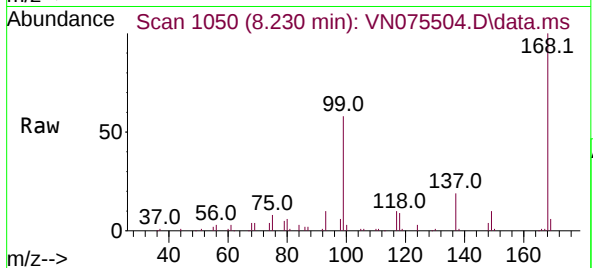




#31
Cyclohexane
Concen: 1.193 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

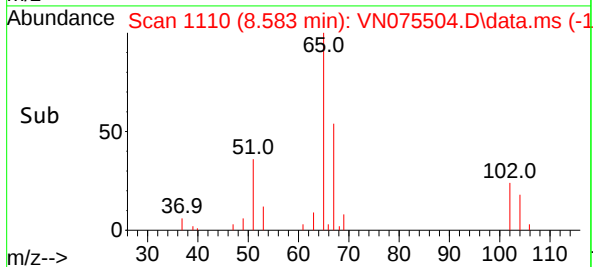
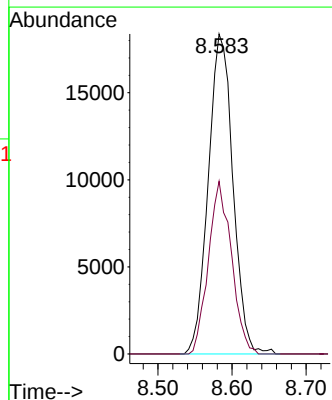
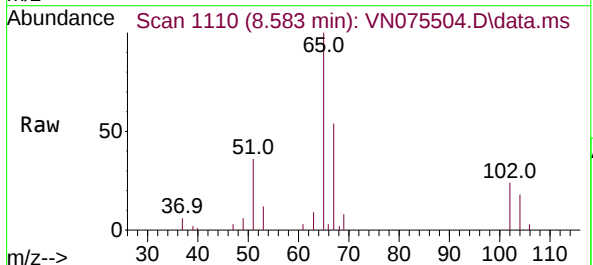
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

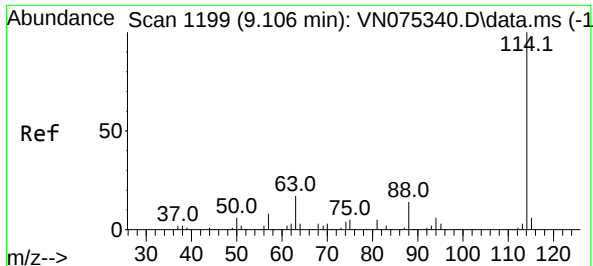
Tgt Ion: 56 Resp: 2802
Ion Ratio Lower Upper
56 100
69 122.8 25.2 37.8#
84 99.8 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 57.457 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 65 Resp: 42478
Ion Ratio Lower Upper
65 100
67 50.5 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: VN075504.D

Acq: 30 Nov 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#08

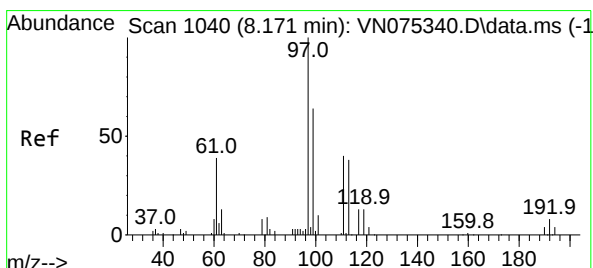
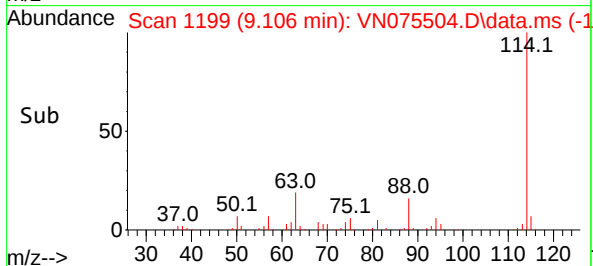
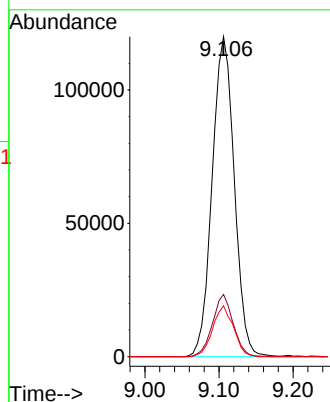
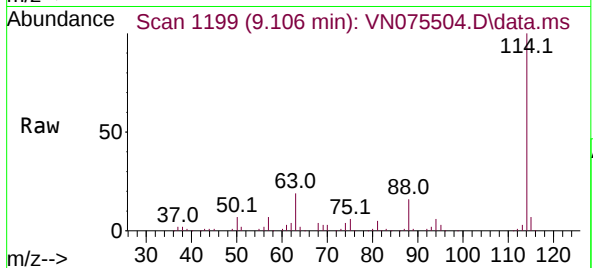
Tgt Ion:114 Resp: 248821

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.474 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075504.D

Acq: 30 Nov 2022 16:16

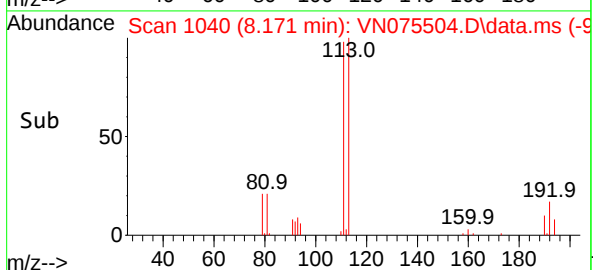
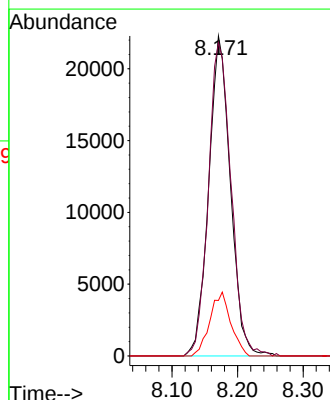
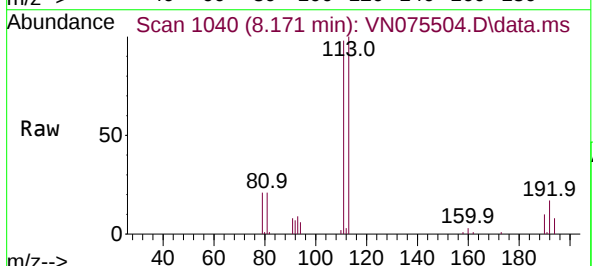
Tgt Ion:113 Resp: 51291

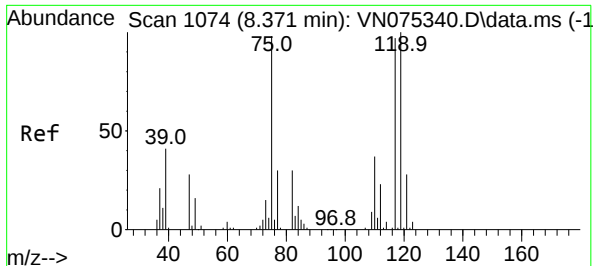
Ion Ratio Lower Upper

113 100

111 102.2 80.5 120.7

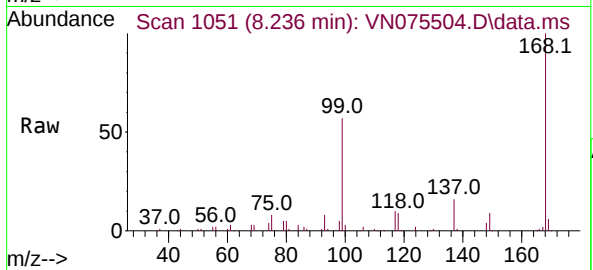
192 19.3 13.2 19.8



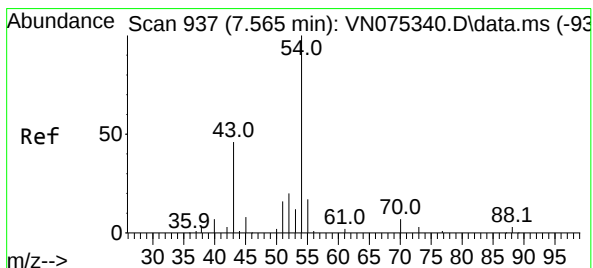
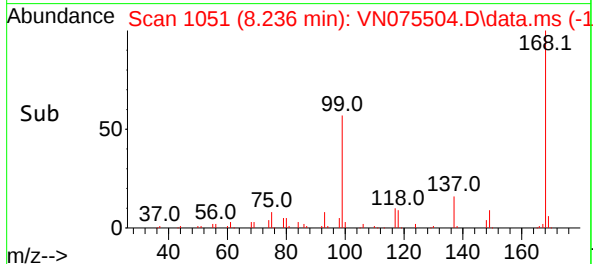
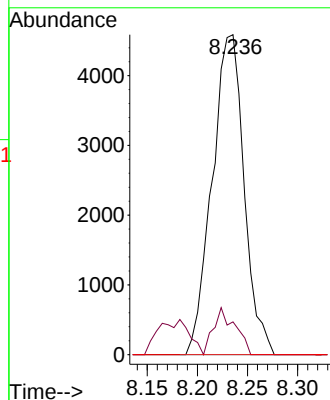


#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.136 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

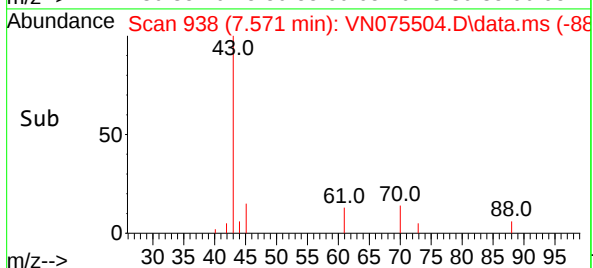
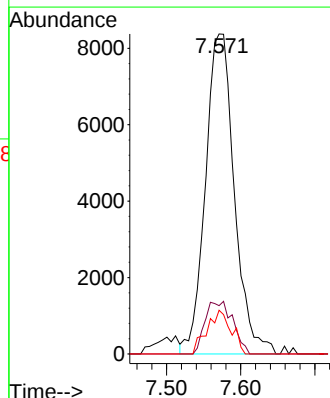
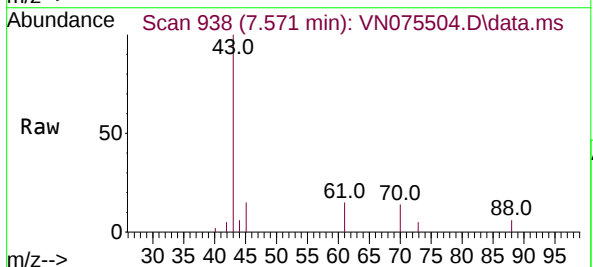


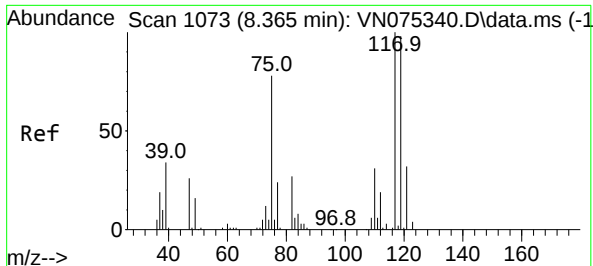
Tgt Ion: 75 Resp: 10167
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 11.847 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

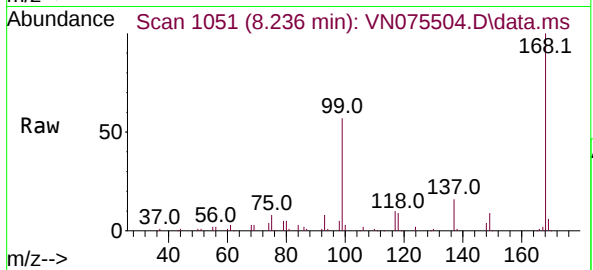
Tgt Ion: 43 Resp: 22739
Ion Ratio Lower Upper
43 100
61 15.7 12.2 18.4
70 11.4 9.4 14.2



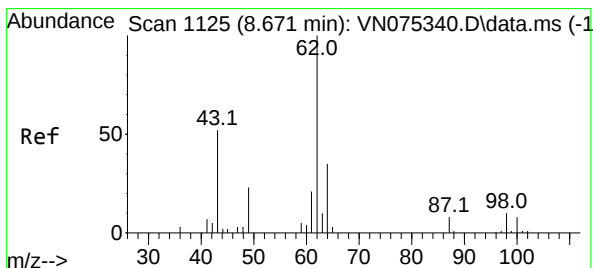
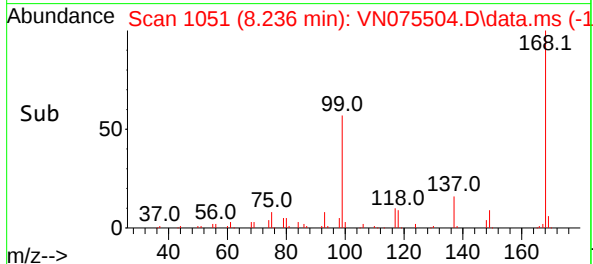
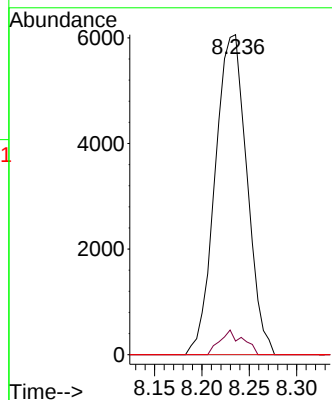


#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 8.236 min Scan# 1105
Delta R.T. -0.130 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

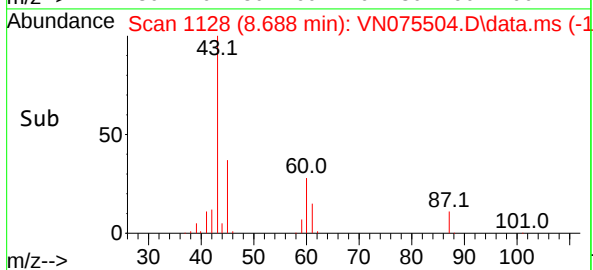
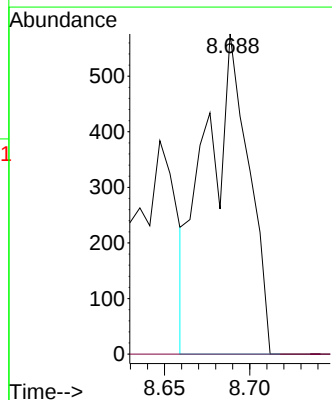
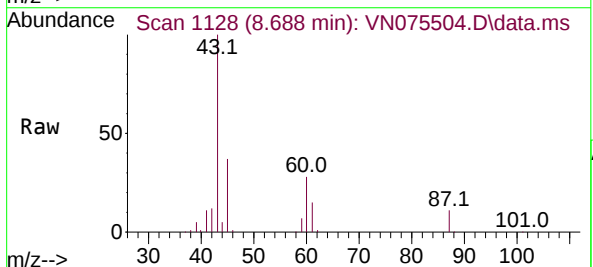


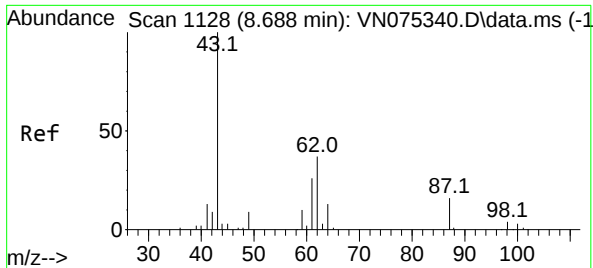
Tgt Ion:117 Resp: 14146
Ion Ratio Lower Upper
117 100
119 4.3 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.463 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 62 Resp: 1011
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

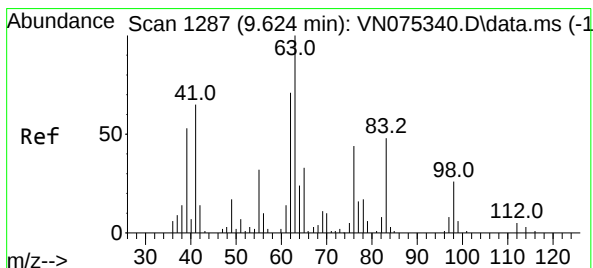
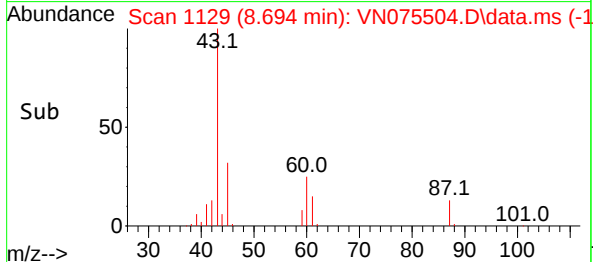
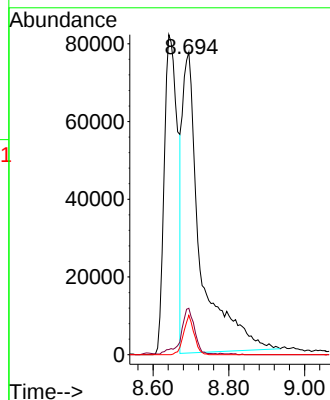
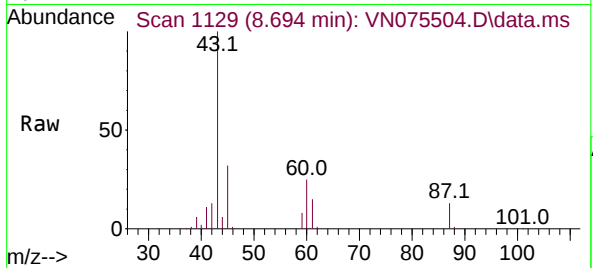




#43
Isopropyl Acetate
Concen: 84.285 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

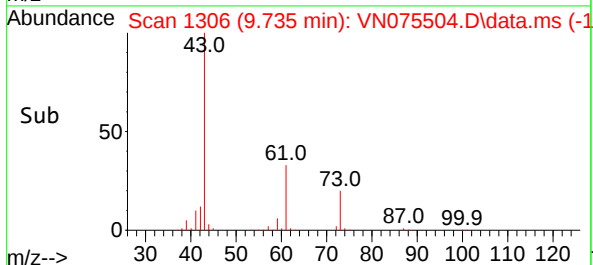
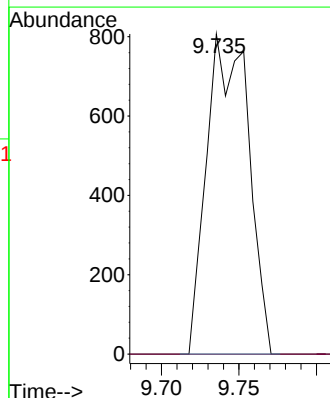
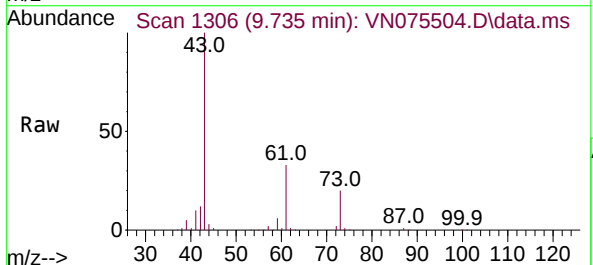
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

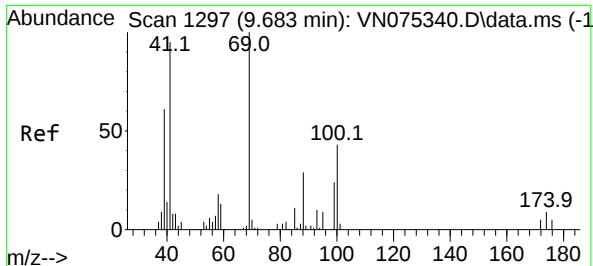
Tgt Ion: 43 Resp: 259664
Ion Ratio Lower Upper
43 100
61 11.3 22.4 33.6#
87 7.5 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.972 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 63 Resp: 1511
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 66.428 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.064 min

Lab File: VN075504.D

Acq: 30 Nov 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#08

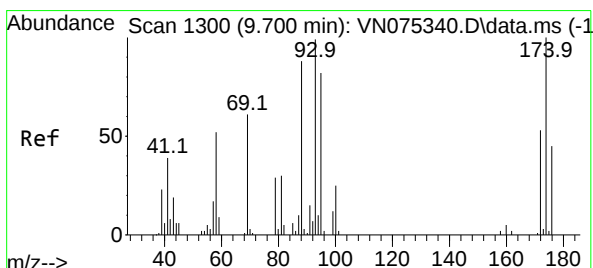
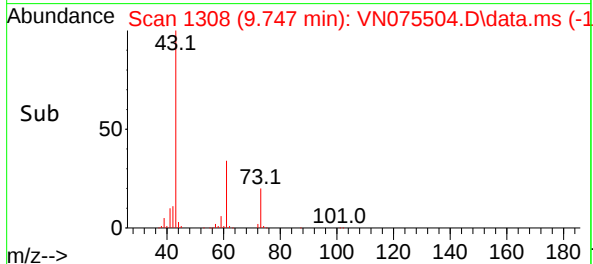
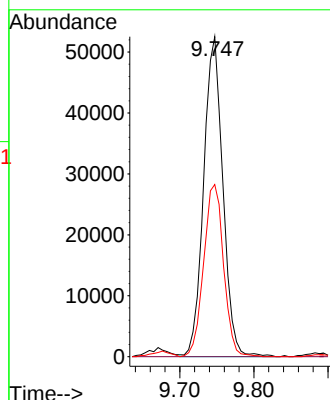
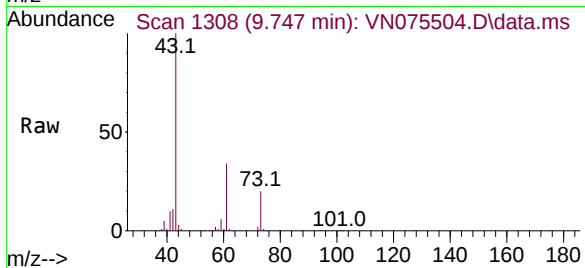
Tgt Ion: 41 Resp: 94630

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.7 56.2 84.2#



#49

1,4-Dioxane

Concen: 1.335 ug/l

RT: 9.735 min Scan# 1306

Delta R.T. 0.035 min

Lab File: VN075504.D

Acq: 30 Nov 2022 16:16

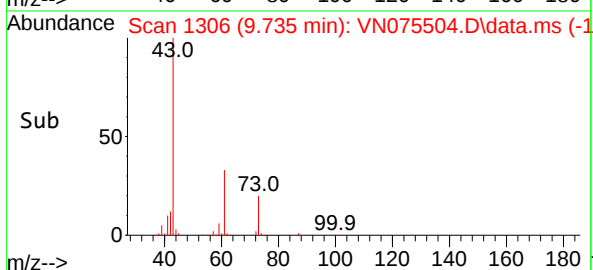
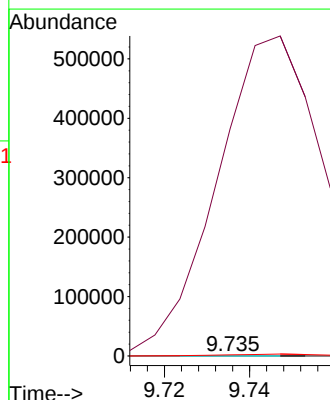
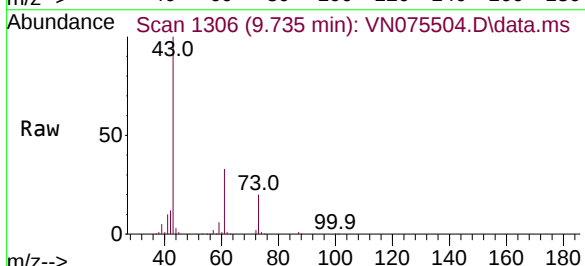
Tgt Ion: 88 Resp: 54

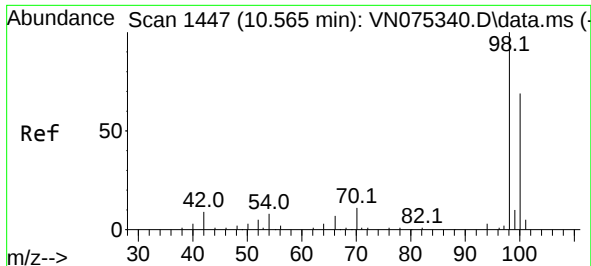
Ion Ratio Lower Upper

88 100

43 1807598.1 17.5 26.3#

58 9398.1 49.8 74.8#

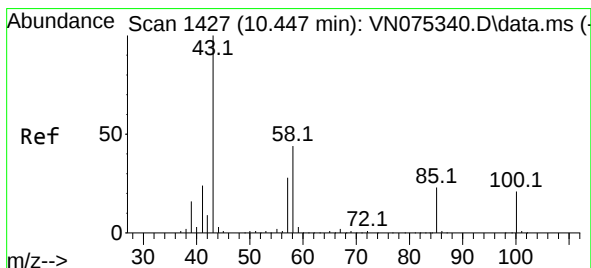
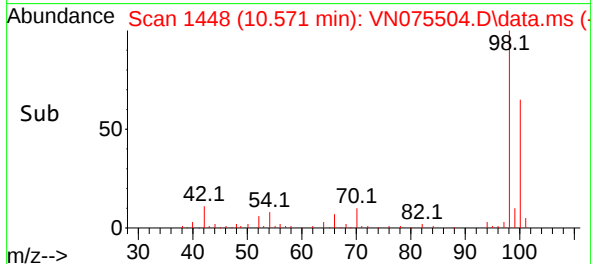
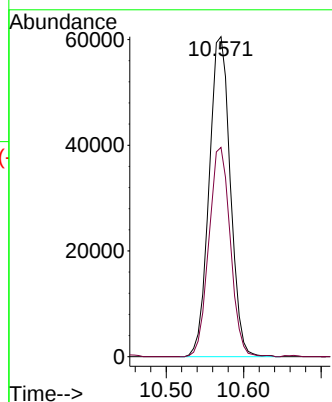
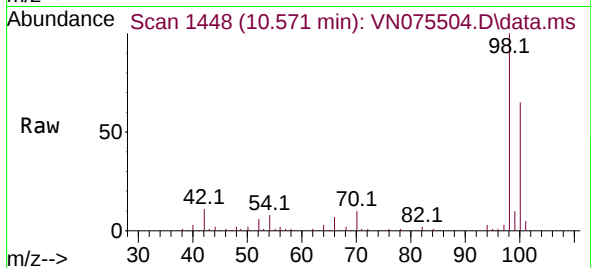




#50
Toluene-d8
Concen: 52.193 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

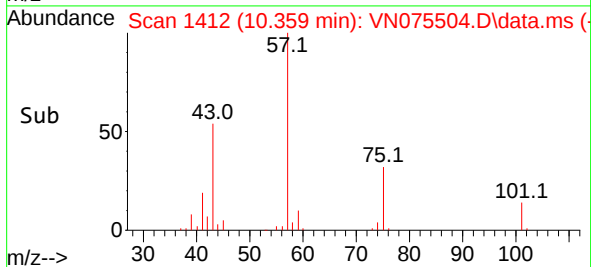
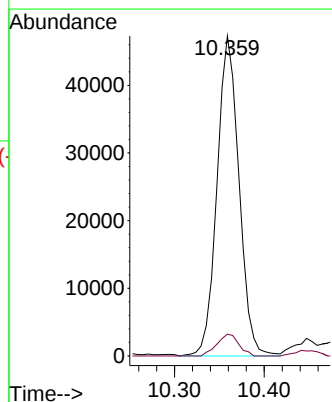
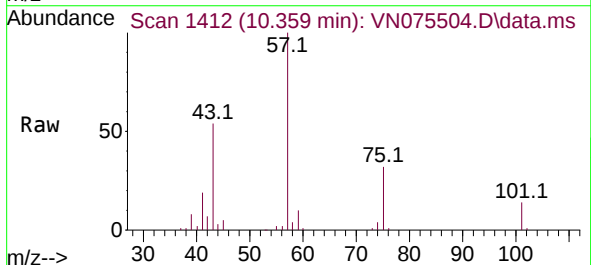
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

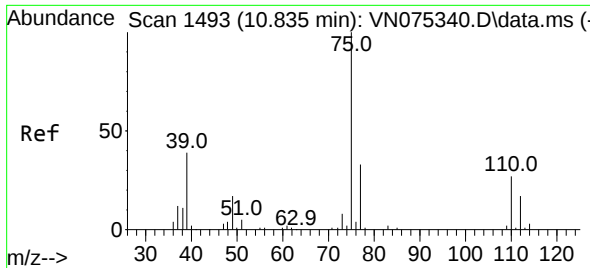
Tgt Ion: 98 Resp: 114903
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 41.037 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 43 Resp: 80524
Ion Ratio Lower Upper
43 100
58 6.8 33.6 50.4#

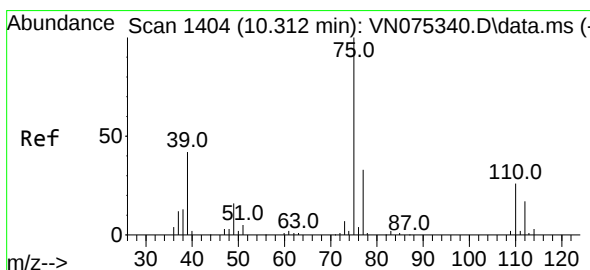
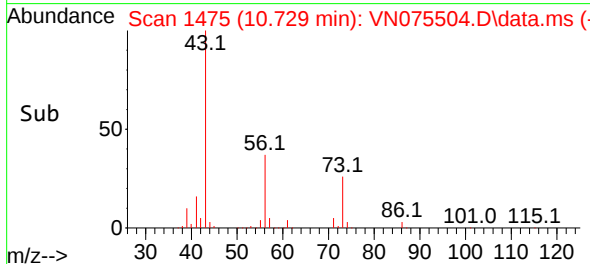
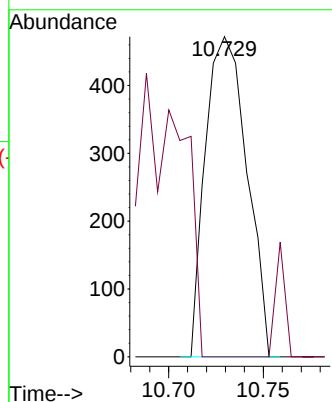
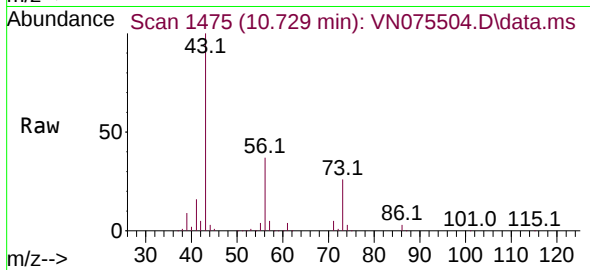




#53
 t-1,3-Dichloropropene
 Concen: 0.314 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075504.D
 Acq: 30 Nov 2022 16:16

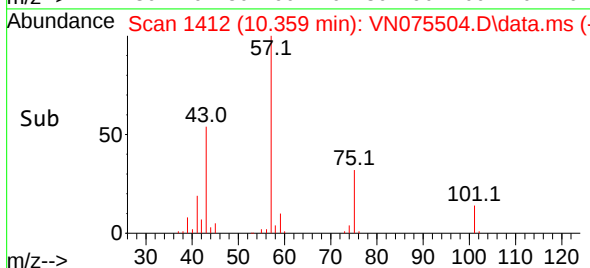
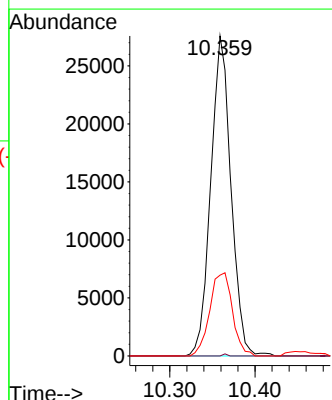
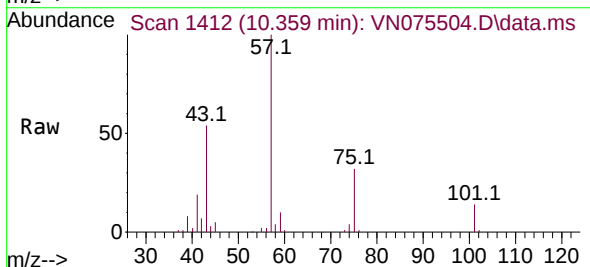
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#08

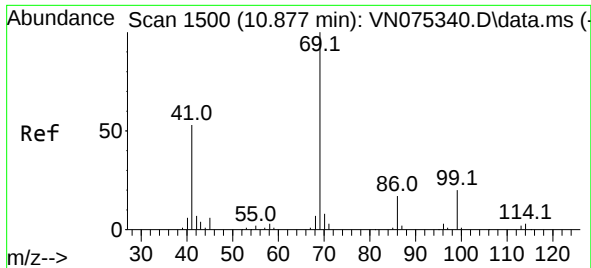
Tgt Ion: 75 Resp: 719
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.295 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075504.D
 Acq: 30 Nov 2022 16:16

Tgt Ion: 75 Resp: 45442
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 25.2 35.8 53.6#

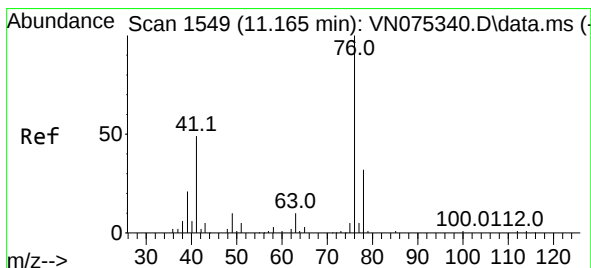
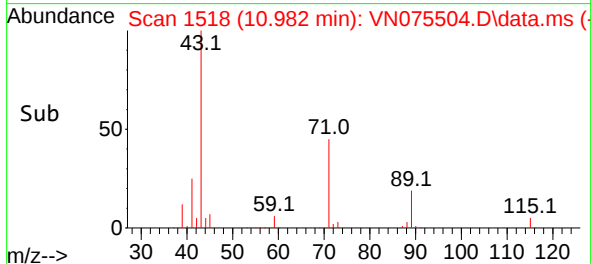
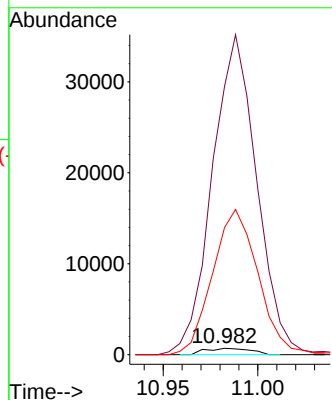
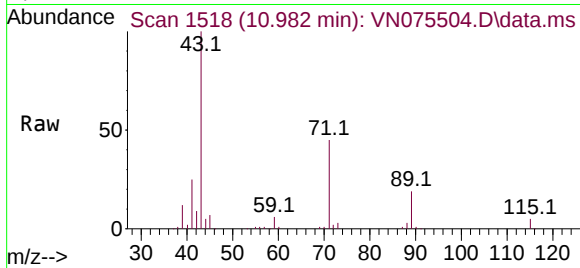




#56
Ethyl methacrylate
Concen: 0.507 ug/l
RT: 10.982 min Scan# 1172
Delta R.T. 0.105 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

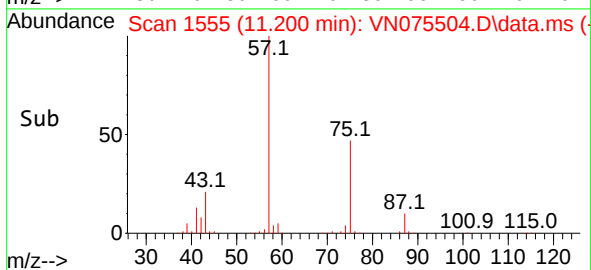
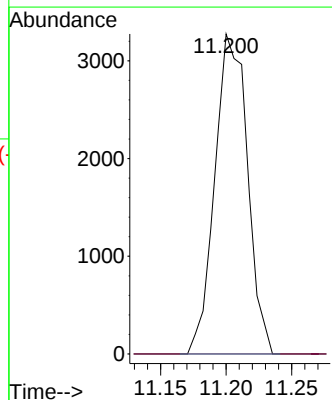
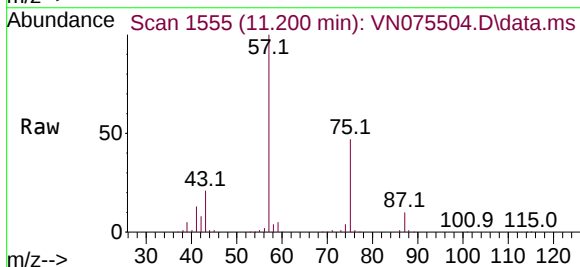
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

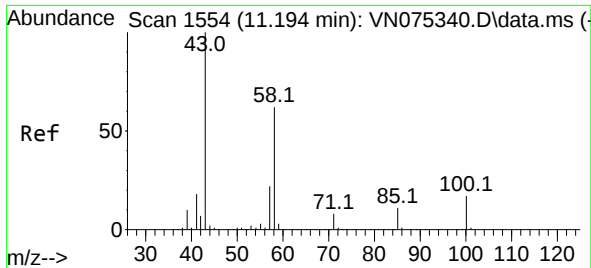
Tgt Ion: 69 Resp: 1172
Ion Ratio Lower Upper
69 100
41 4925.6 45.6 68.4#
39 2289.0 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.028 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 76 Resp: 5663
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

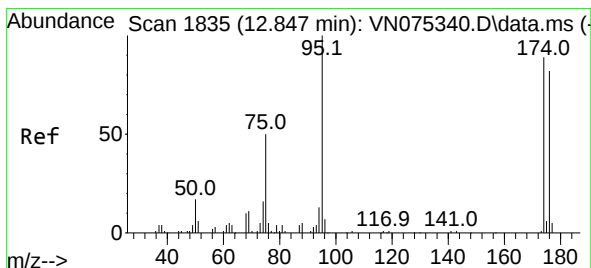
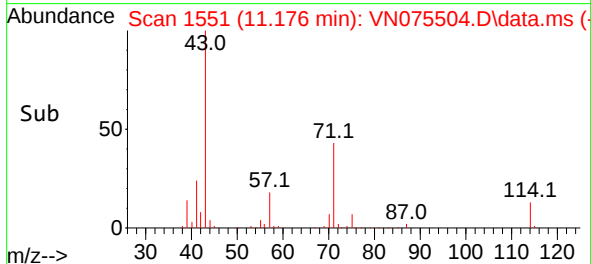
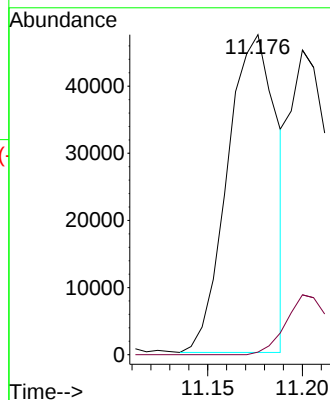
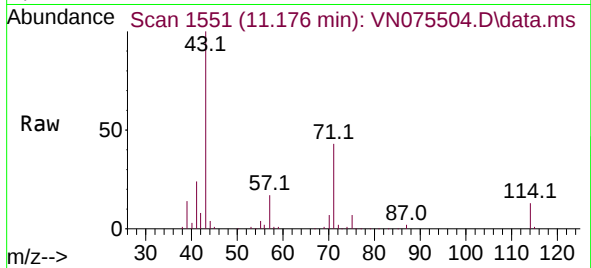




#59
2-Hexanone
Concen: 58.003 ug/l
RT: 11.176 min Scan# 1151
Delta R.T. -0.018 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

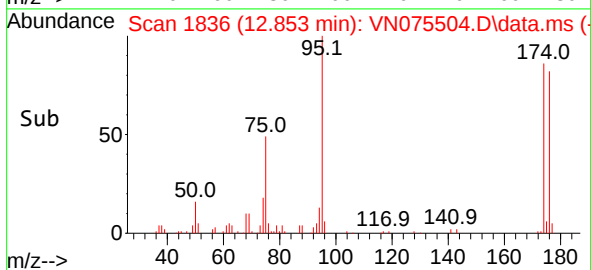
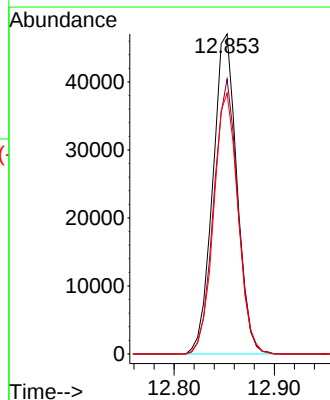
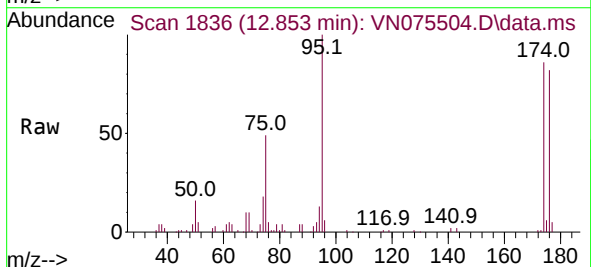
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

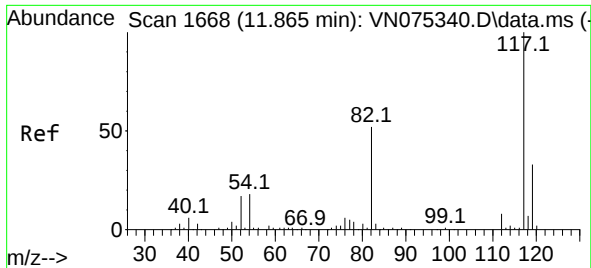
Tgt Ion: 43 Resp: 85464
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.419 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 95 Resp: 78678
Ion Ratio Lower Upper
95 100
174 85.4 0.0 147.4
176 82.0 0.0 142.2

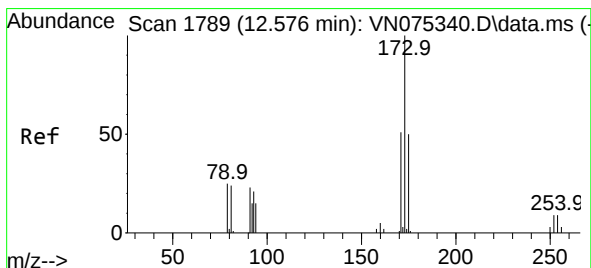
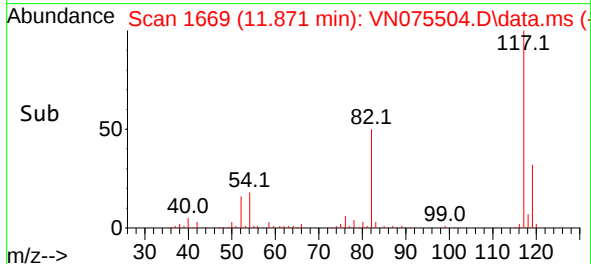
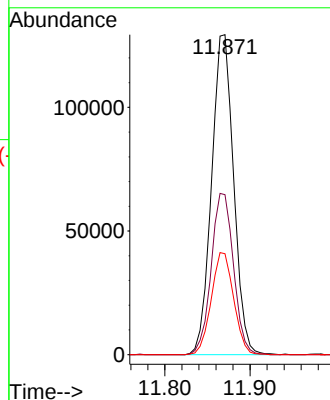
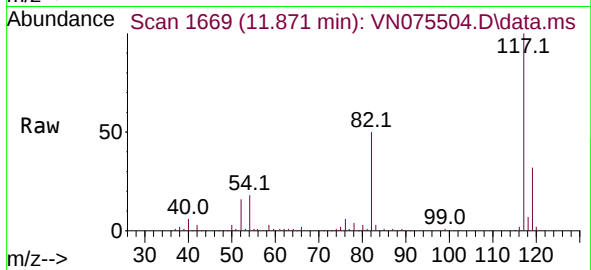




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

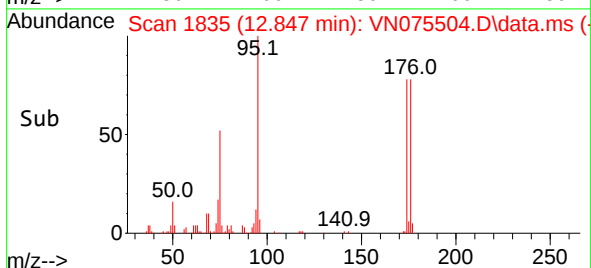
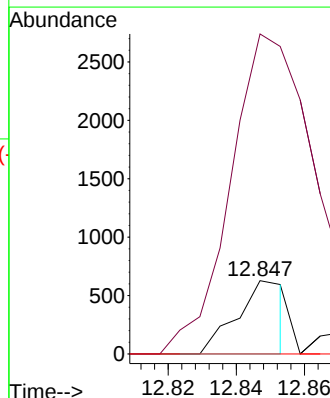
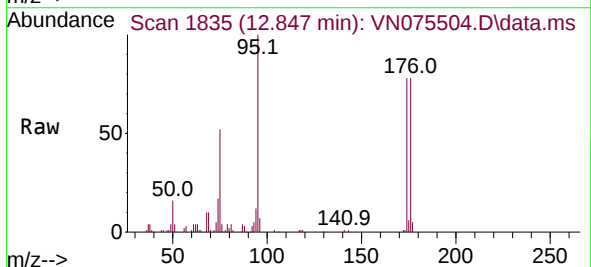
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

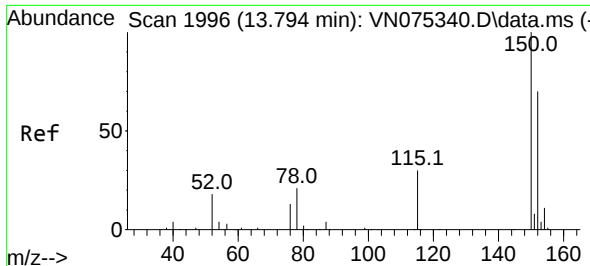
Tgt Ion:117 Resp: 233227
Ion Ratio Lower Upper
117 100
82 50.0 43.1 64.7
119 31.6 25.5 38.3



#71
Bromoform
Concen: 0.456 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion:173 Resp: 624
Ion Ratio Lower Upper
173 100
175 498.1 24.6 74.0#
254 0.0 0.0 0.0

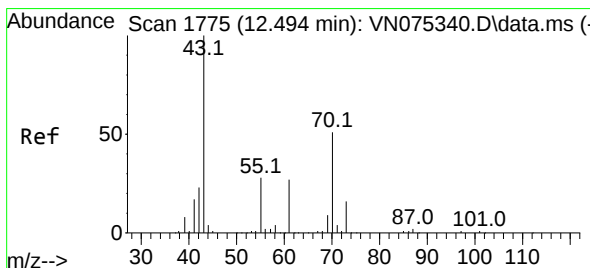
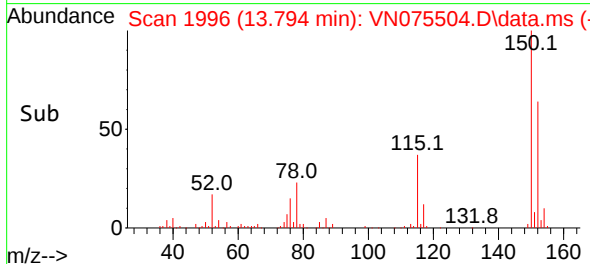
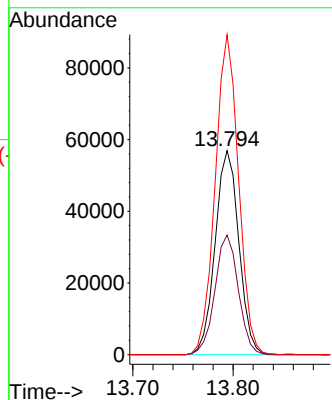
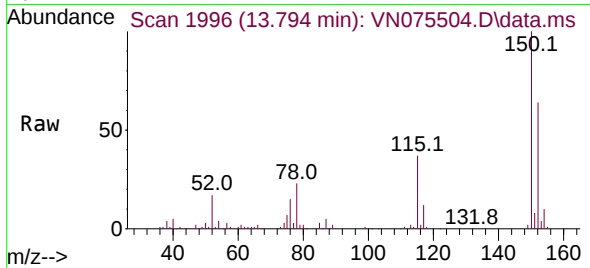




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

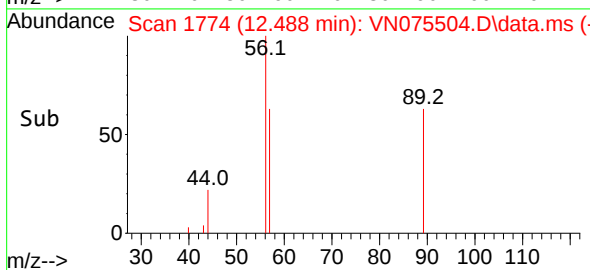
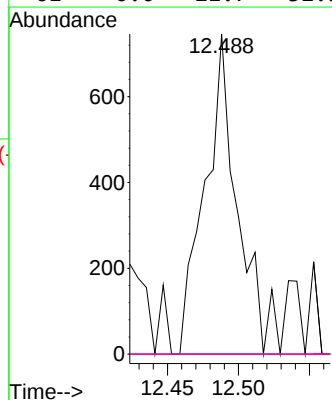
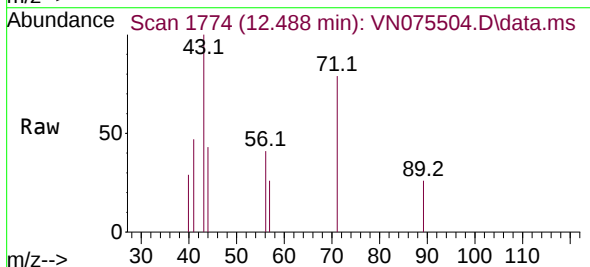
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

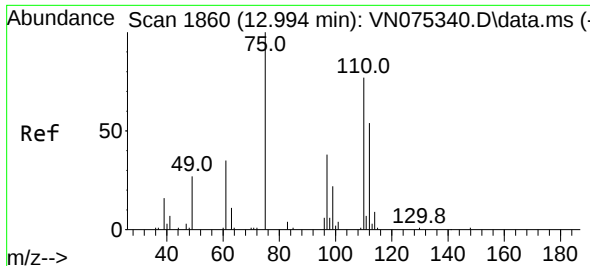
Tgt Ion:152 Resp: 93427
Ion Ratio Lower Upper
152 100
115 57.9 30.2 90.6
150 154.5 0.0 348.4



#74
N-ethyl acetate
Concen: 0.572 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 43 Resp: 1201
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#

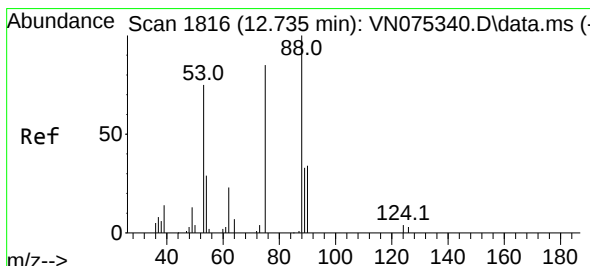
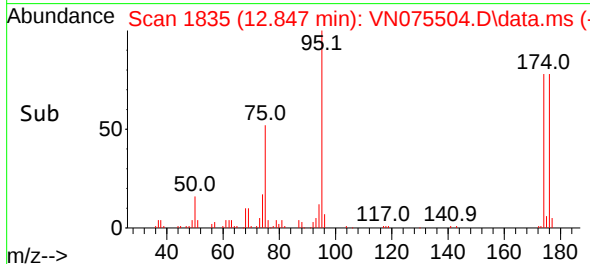
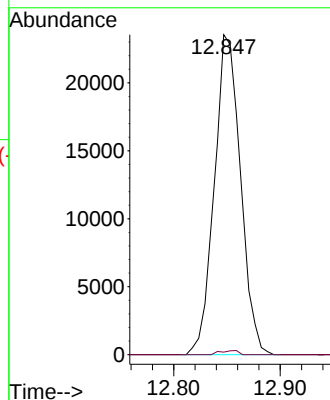
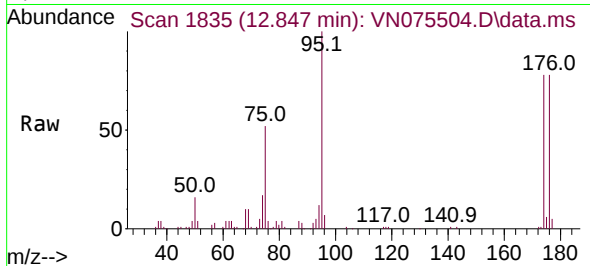




#76
1,2,3-Trichloropropane
Concen: 22.718 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#08

Tgt Ion: 75 Resp: 40130
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.217 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075504.D
Acq: 30 Nov 2022 16:16

Tgt Ion: 75 Resp: 40130
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 37.7 56.5#

