

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075506.D
 Acq On : 30 Nov 2022 17:04
 Operator : JC\MD
 Sample : PB149341ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#10

Quant Time: Dec 01 02:17:42 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)

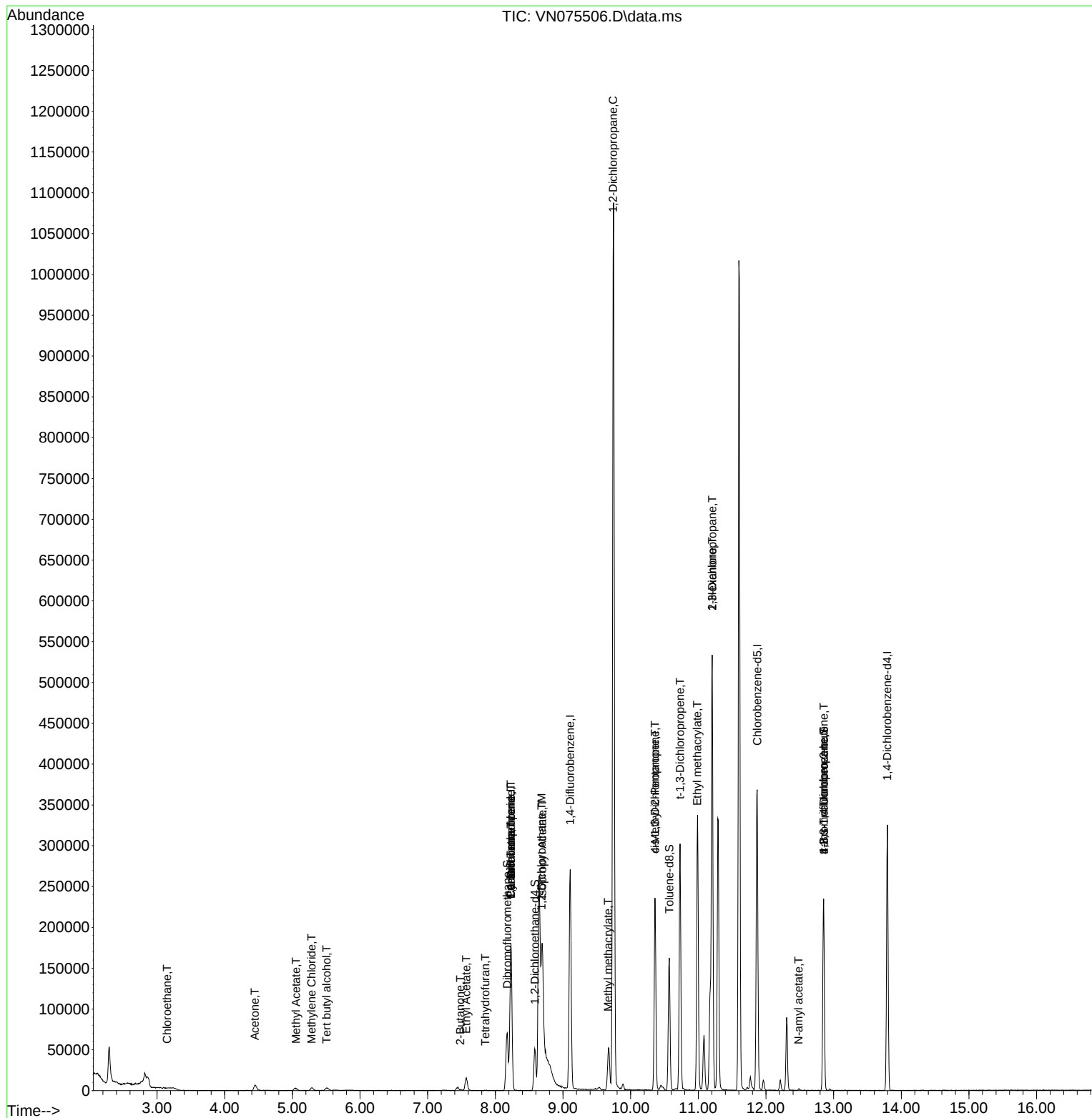
Internal Standards						
1) Pentafluorobenzene	8.229	168	136939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	248340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	227456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	41678	56.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.400%			
35) Dibromofluoromethane	8.177	113	51601	52.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	10.570	98	114152	51.953	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.853	95	79089	48.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.540%			
Target Compounds						Qvalue
6) Chloroethane	3.147	64	281	0.226	ug/l #	45
11) Tert butyl alcohol	5.506	59	1679	5.441	ug/l #	72
16) Acetone	4.447	43	13976	20.384	ug/l	98
18) Methyl Acetate	5.053	43	6384	2.462	ug/l #	47
20) Methylene Chloride	5.283	84	2876	0.810	ug/l #	84
25) 2-Butanone	7.482	43	980	1.024	ug/l	91
29) Tetrahydrofuran	7.853	42	258	0.443	ug/l #	26
31) Cyclohexane	8.229	56	2705	1.158	ug/l #	44
36) 1,1-Dichloropropene	8.229	75	9784	4.599	ug/l #	48
37) Ethyl Acetate	7.571	43	23168	12.094	ug/l	100
38) Carbon Tetrachloride	8.229	117	13920	5.956	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1060	0.486	ug/l #	75
43) Isopropyl Acetate	8.694	43	172761	56.185	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1422	0.916	ug/l #	42
48) Methyl methacrylate	9.665	41	2975	2.092	ug/l #	36
51) 4-Methyl-2-Pentanone	10.359	43	79925	40.811	ug/l #	45
53) t-1,3-Dichloropropene	10.729	75	805	0.353	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	45956	18.537	ug/l #	61
56) Ethyl methacrylate	10.982	69	1213	0.525	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6053	2.171	ug/l #	42
59) 2-Hexanone	11.206	43	66138	44.974	ug/l #	50
74) N-amyl acetate	12.482	43	952	0.469	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	39890	23.338	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39890	69.050	ug/l #	10

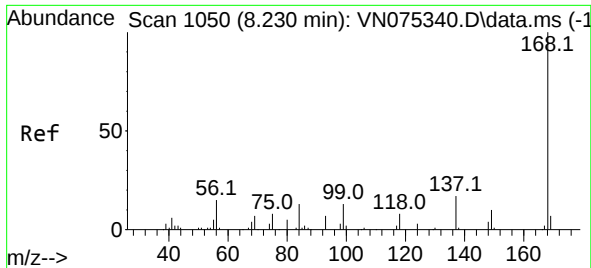
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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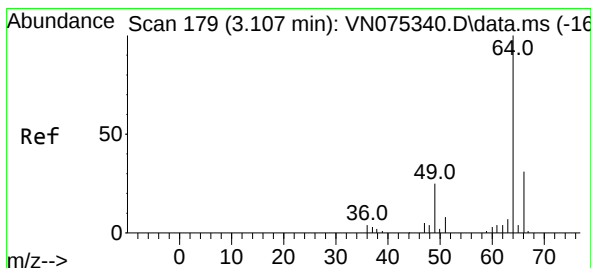
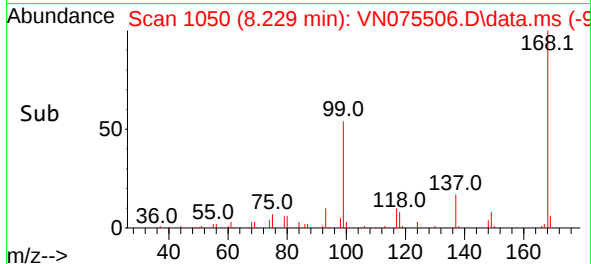
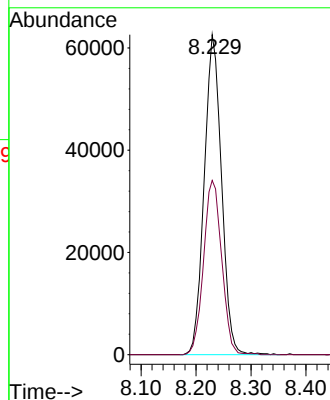
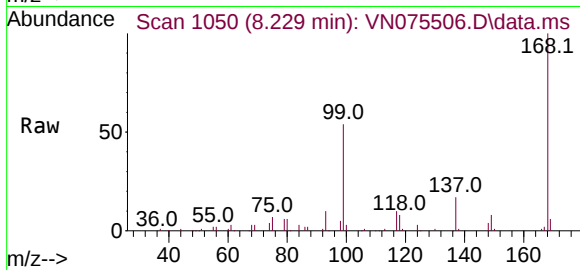




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

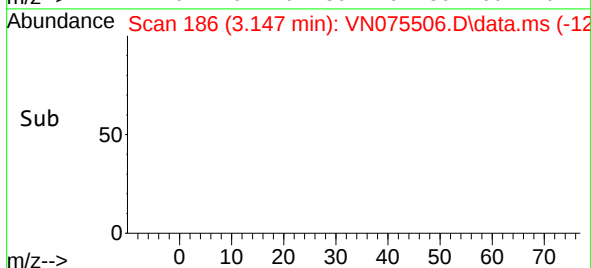
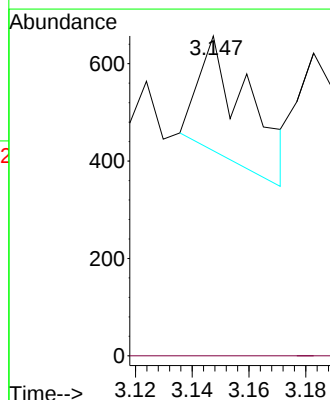
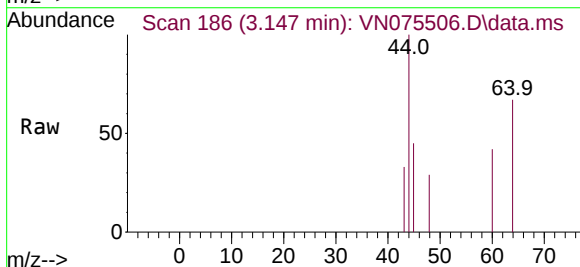
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

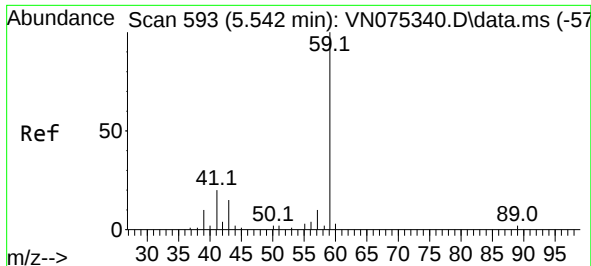
Tgt Ion:168 Resp: 136939
Ion Ratio Lower Upper
168 100
99 54.5 51.6 77.4



#6
Chloroethane
Concen: 0.226 ug/l
RT: 3.147 min Scan# 186
Delta R.T. 0.040 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 64 Resp: 281
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 5.441 ug/l

RT: 5.506 min Scan# 5

Delta R.T. -0.036 min

Lab File: VN075506.D

Acq: 30 Nov 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

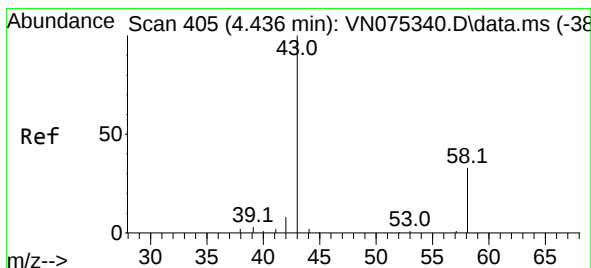
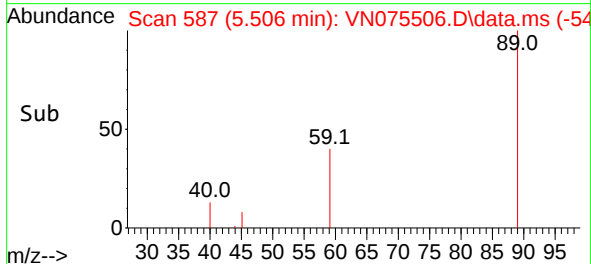
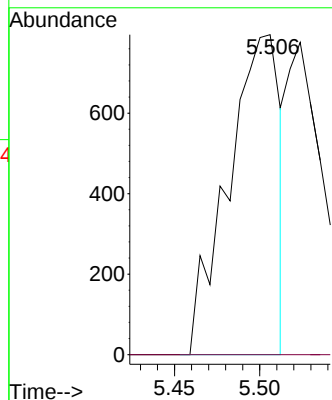
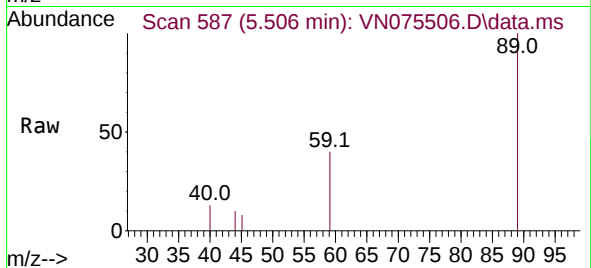
PB149341ZHE#10

Tgt Ion: 59 Resp: 1679

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 20.384 ug/l

RT: 4.447 min Scan# 407

Delta R.T. 0.011 min

Lab File: VN075506.D

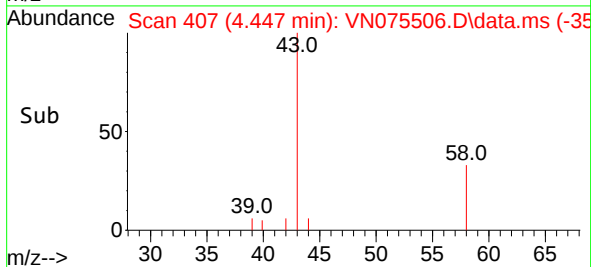
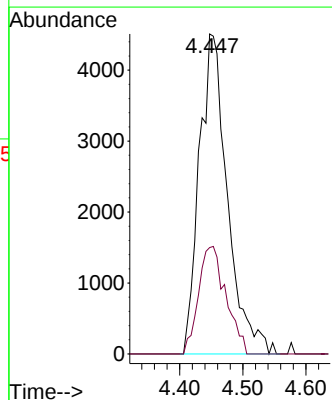
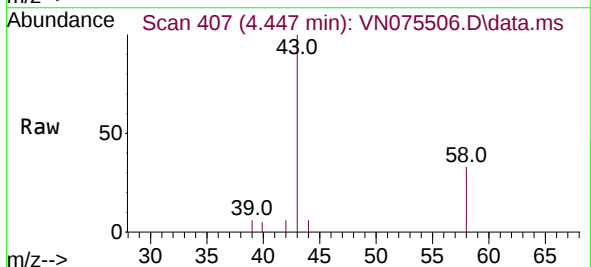
Acq: 30 Nov 2022 17:04

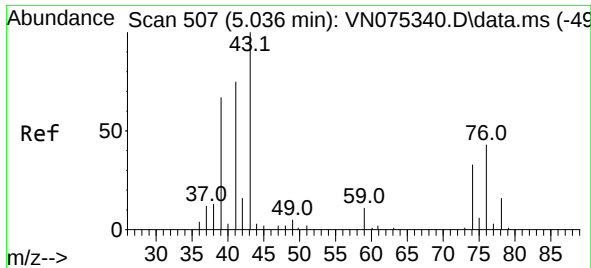
Tgt Ion: 43 Resp: 13976

Ion Ratio Lower Upper

43 100

58 33.3 25.5 38.3

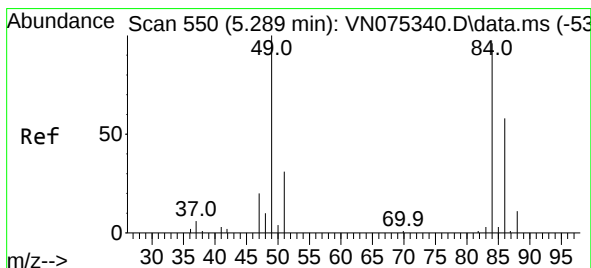
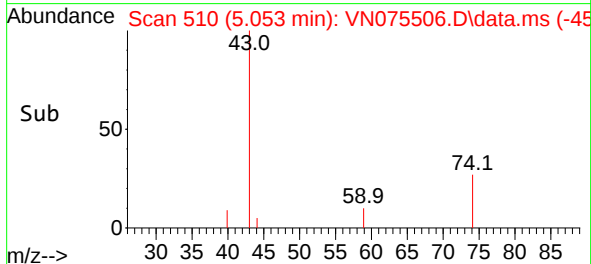
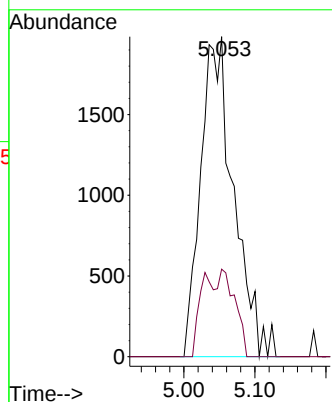
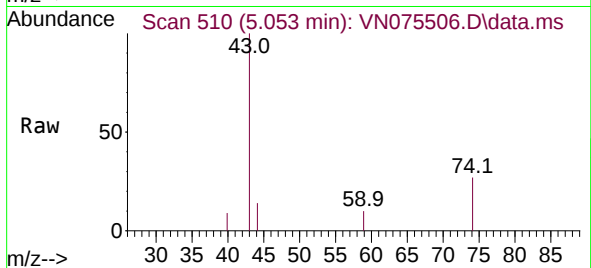




#18
Methyl Acetate
Concen: 2.462 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

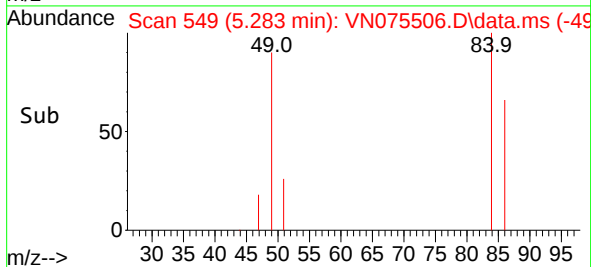
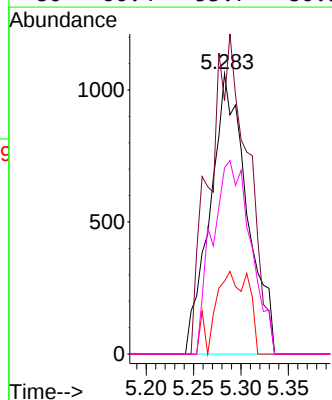
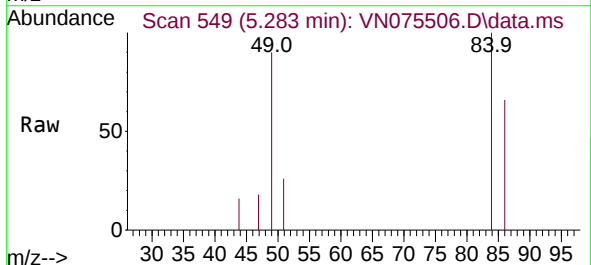
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

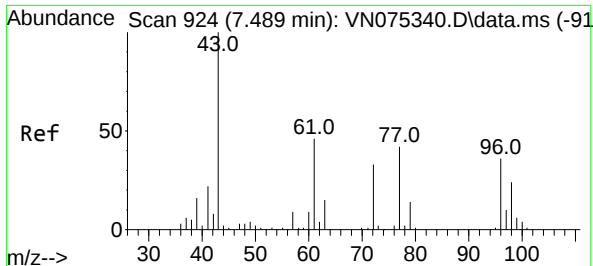
Tgt Ion: 43 Resp: 6384
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 0.810 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 84 Resp: 2876
Ion Ratio Lower Upper
84 100
49 90.3 94.9 142.3#
51 26.0 26.8 40.2#
86 66.4 53.7 80.5

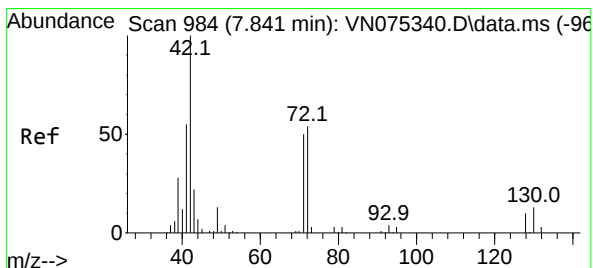
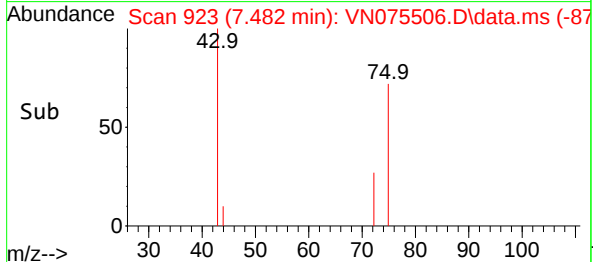
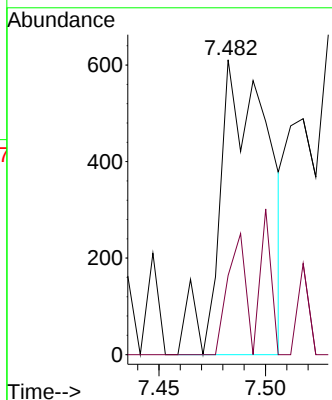
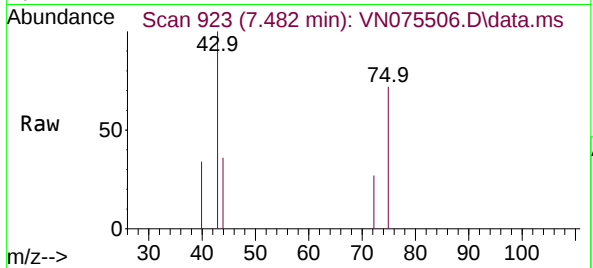




#25
2-Butanone
Concen: 1.024 ug/l
RT: 7.482 min Scan# 91
Delta R.T. -0.007 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

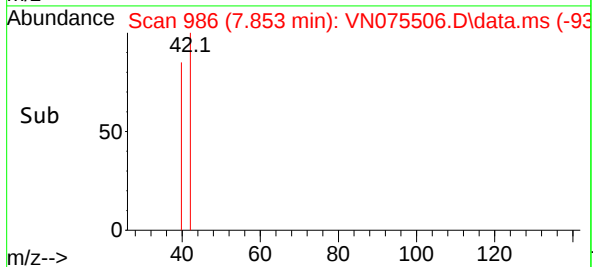
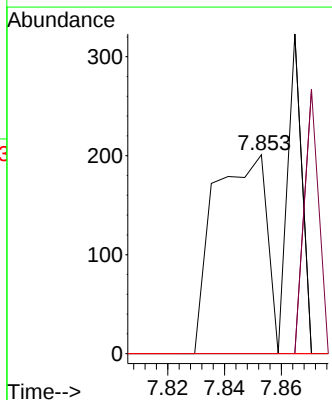
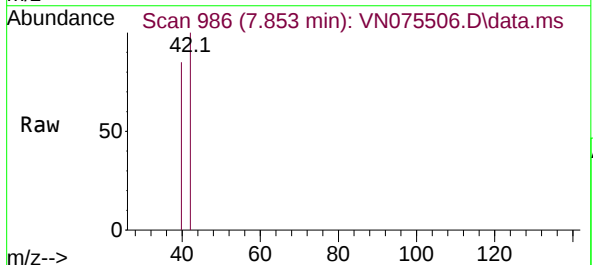
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

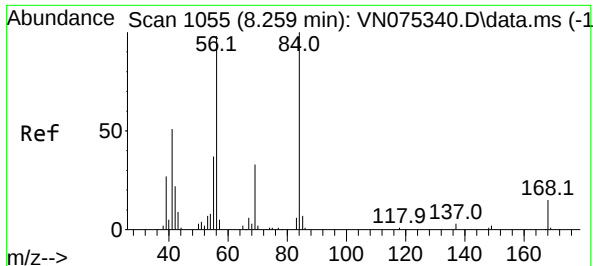
Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
72 26.8 25.5 38.3



#29
Tetrahydrofuran
Concen: 0.443 ug/l
RT: 7.853 min Scan# 986
Delta R.T. 0.012 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 42 Resp: 258
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#

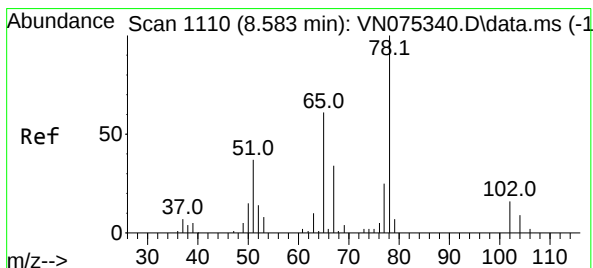
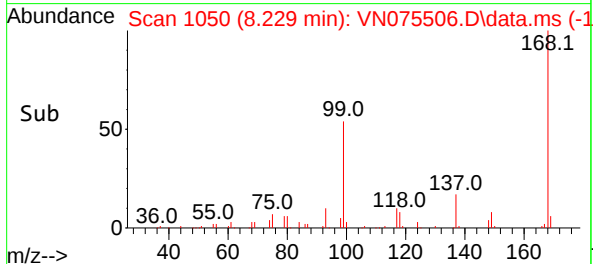
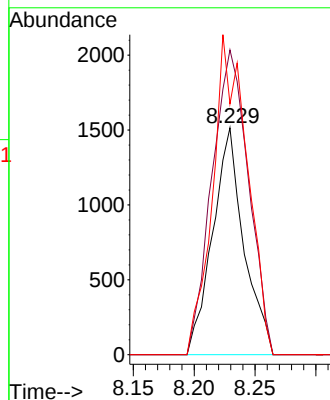
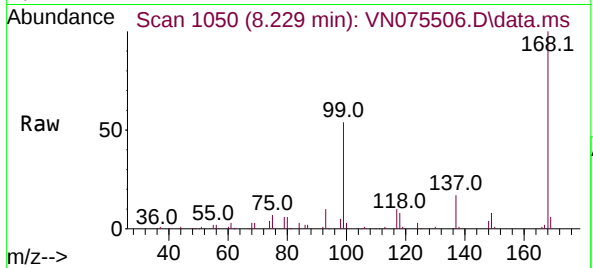




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

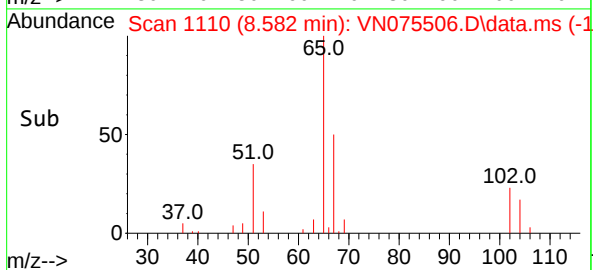
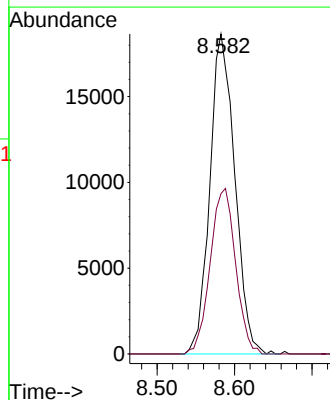
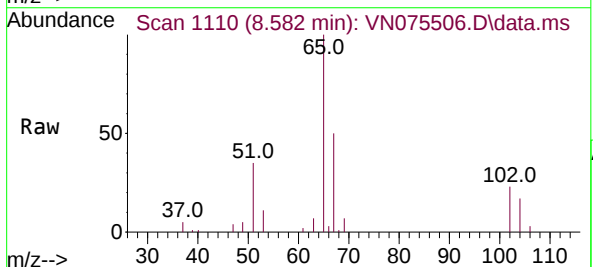
Instrument :
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ClientSampleId :
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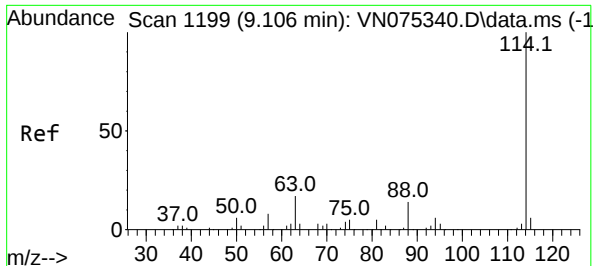
Tgt Ion: 56 Resp: 2705
Ion Ratio Lower Upper
56 100
69 134.3 25.2 37.8#
84 110.5 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 56.699 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 65 Resp: 41678
Ion Ratio Lower Upper
65 100
67 52.7 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: VN075506.D

Acq: 30 Nov 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#10

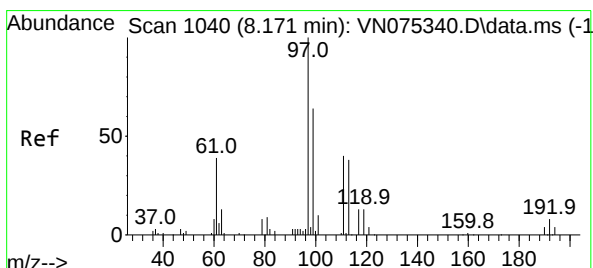
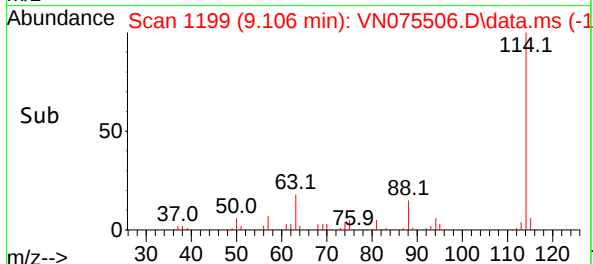
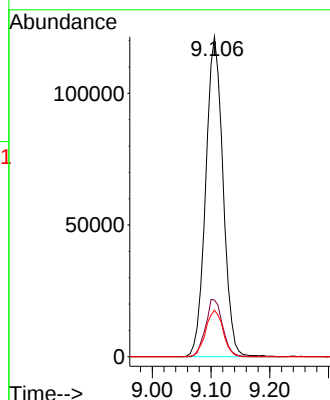
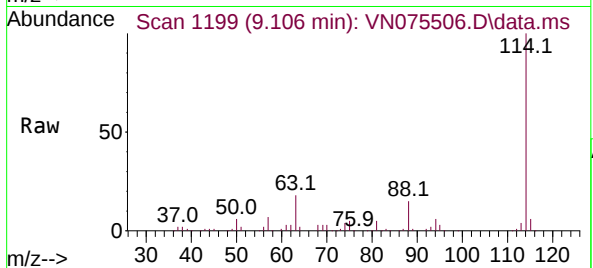
Tgt Ion:114 Resp: 248340

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.894 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075506.D

Acq: 30 Nov 2022 17:04

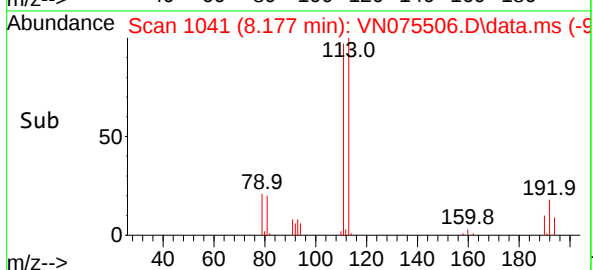
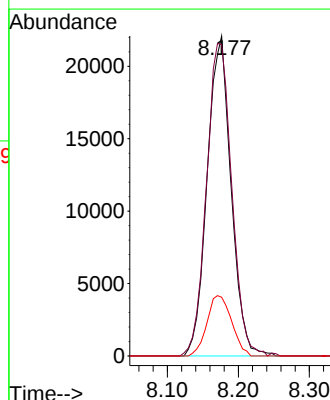
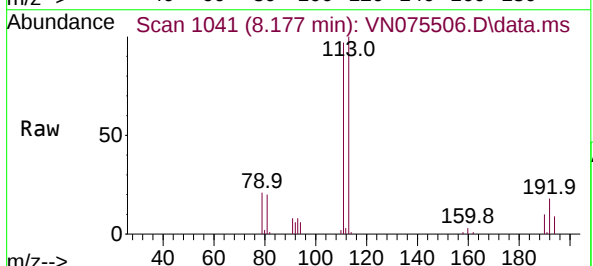
Tgt Ion:113 Resp: 51601

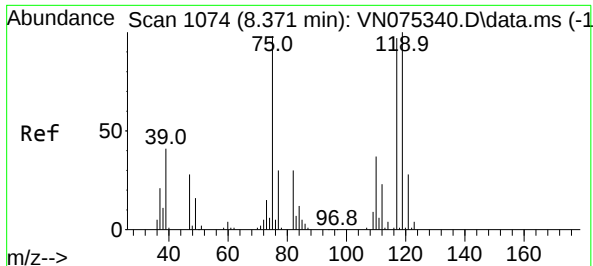
Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

192 19.5 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.142 min

Lab File: VN075506.D

Acq: 30 Nov 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#10

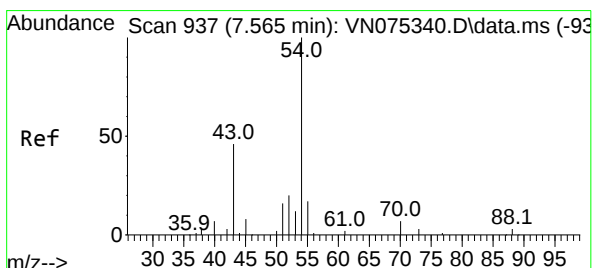
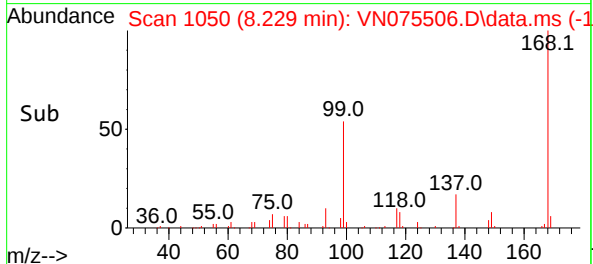
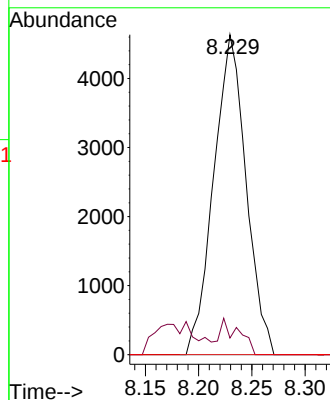
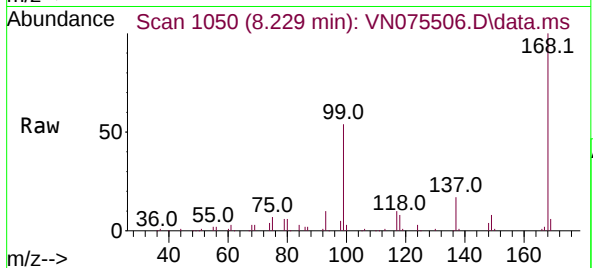
Tgt Ion: 75 Resp: 9784

Ion Ratio Lower Upper

75 100

110 6.8 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 12.094 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN075506.D

Acq: 30 Nov 2022 17:04

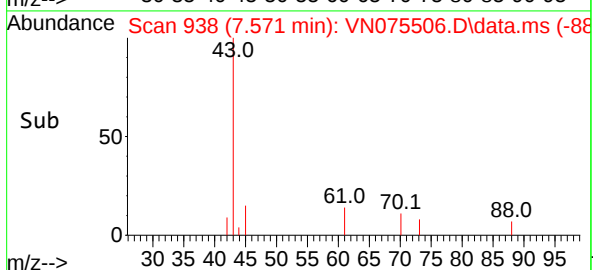
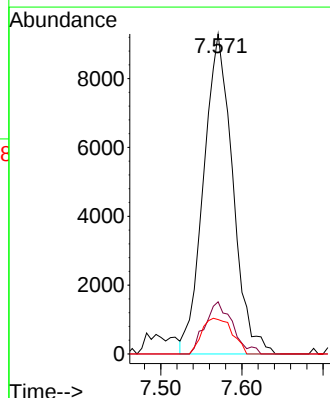
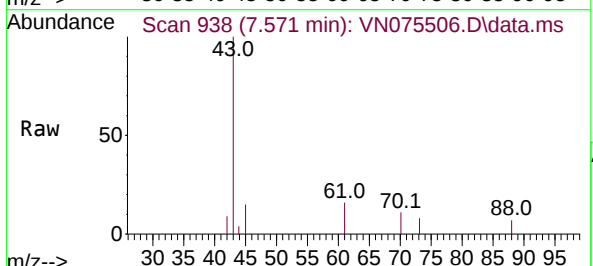
Tgt Ion: 43 Resp: 23168

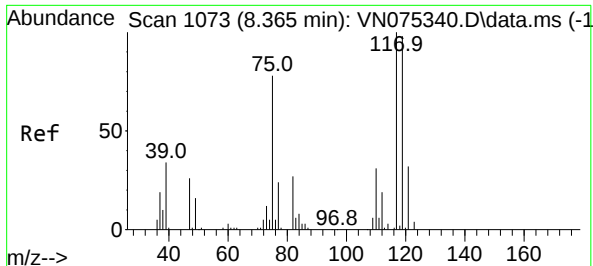
Ion Ratio Lower Upper

43 100

61 15.4 12.2 18.4

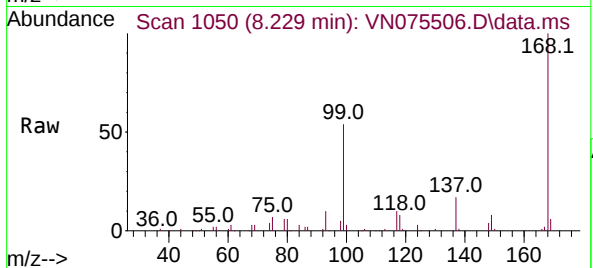
70 11.6 9.4 14.2



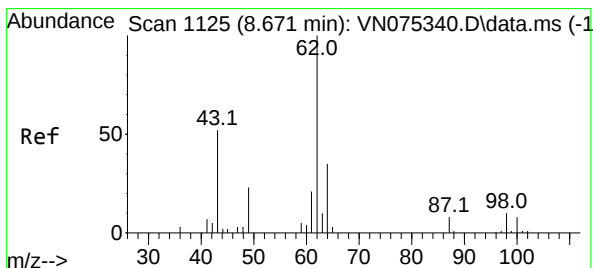
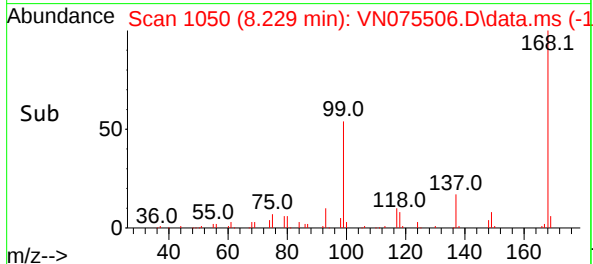
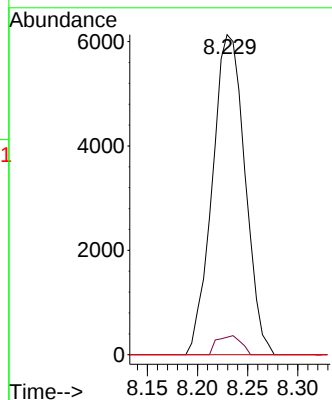


#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 8.229 min Scan# 110
Delta R.T. -0.136 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

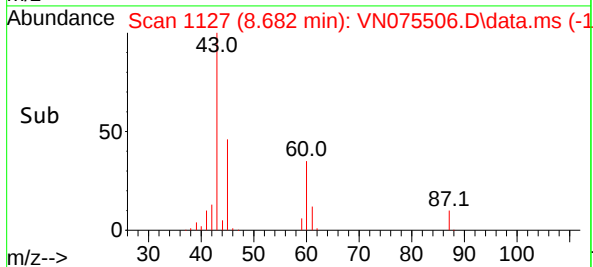
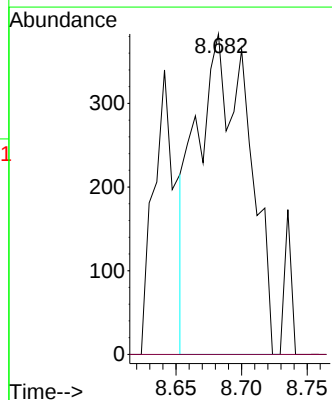
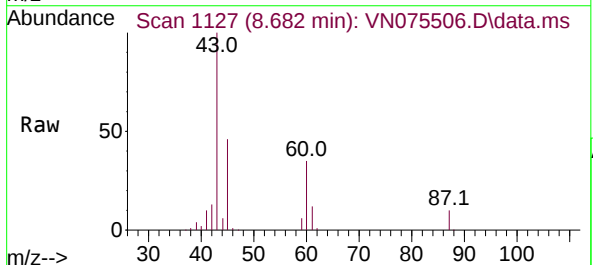


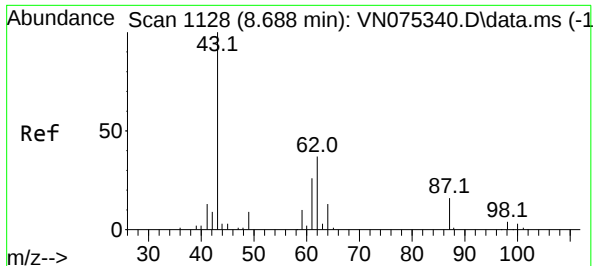
Tgt Ion:117 Resp: 13920
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.486 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.011 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 62 Resp: 1060
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

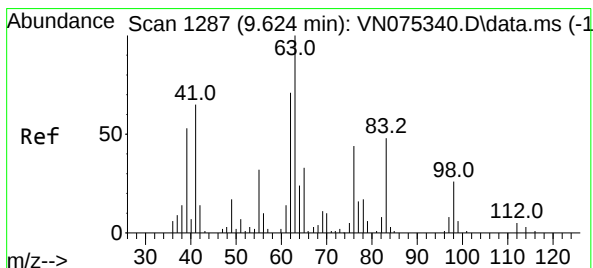
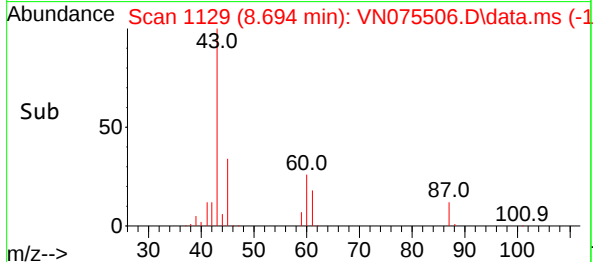
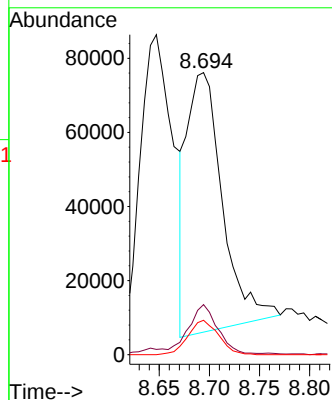
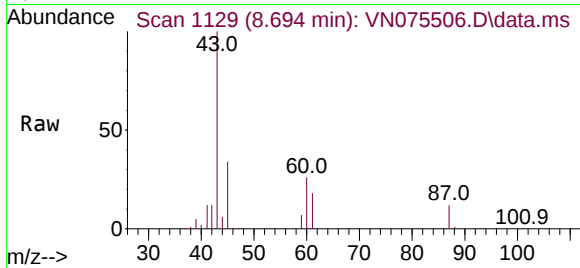




#43
Isopropyl Acetate
Concen: 56.185 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

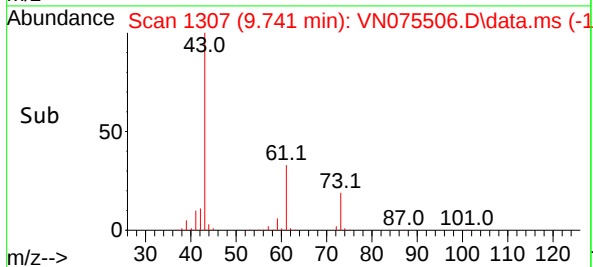
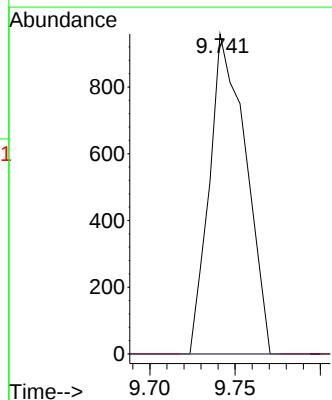
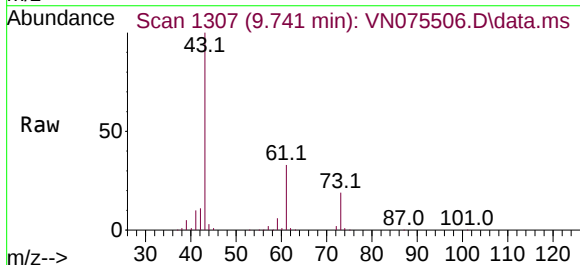
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

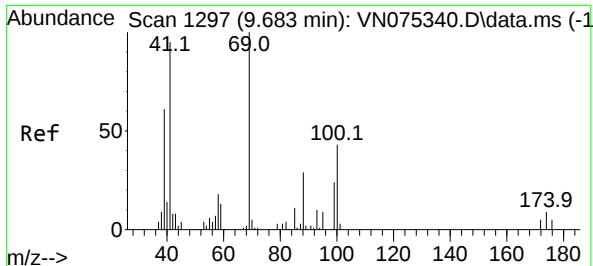
Tgt Ion: 43 Resp: 172761
Ion Ratio Lower Upper
43 100
61 15.2 22.4 33.6#
87 11.4 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.916 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 63 Resp: 1422
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

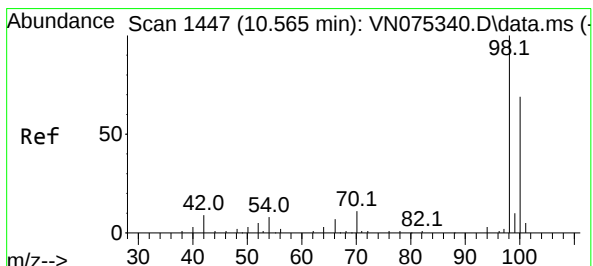
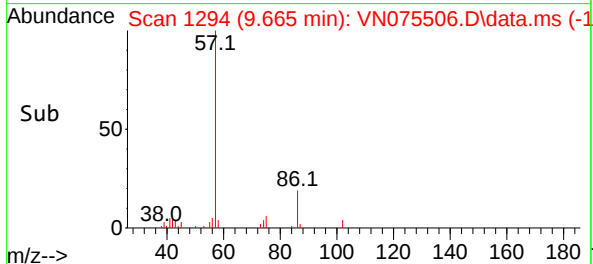
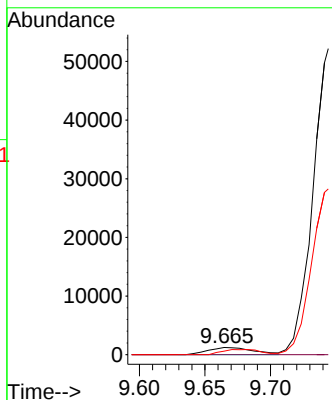
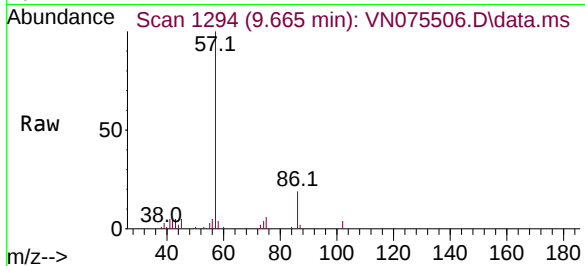




#48
Methyl methacrylate
Concen: 2.092 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

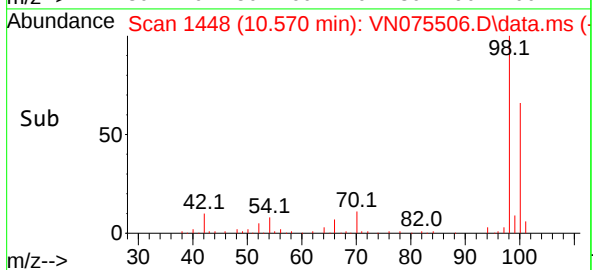
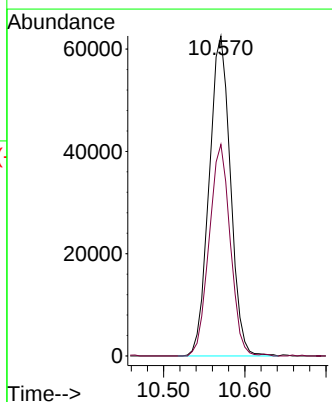
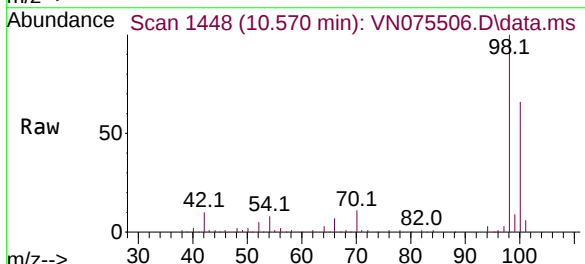
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

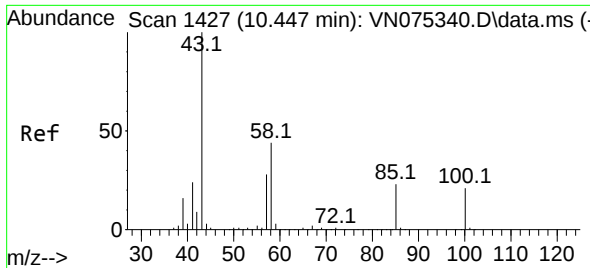
Tgt Ion: 41 Resp: 2975
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 59.1 56.2 84.2



#50
Toluene-d8
Concen: 51.953 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. 0.005 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 98 Resp: 114152
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6

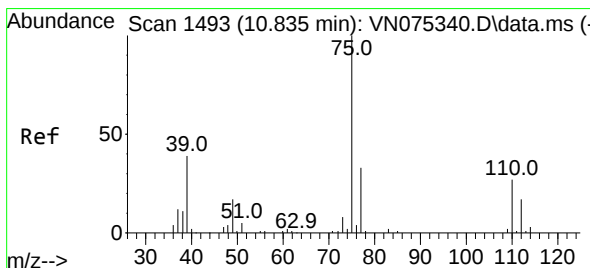
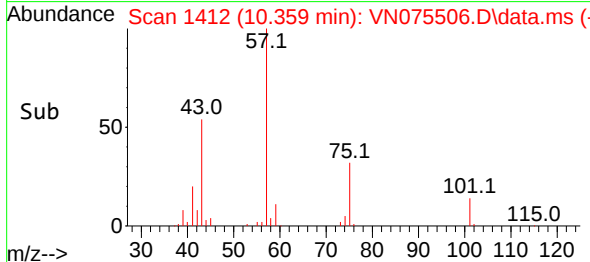
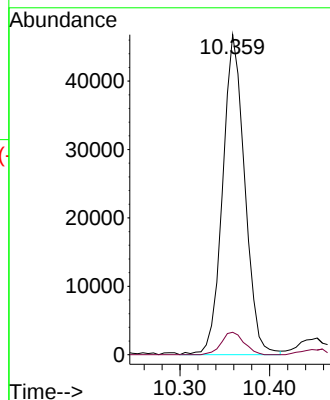
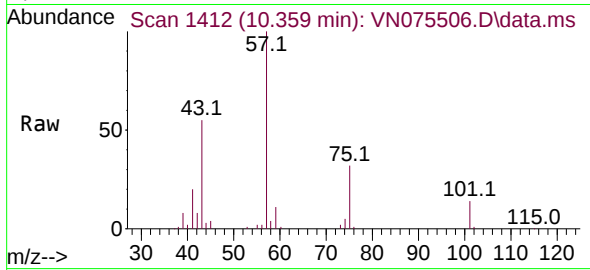




#51
4-Methyl-2-Pentanone
Concen: 40.811 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

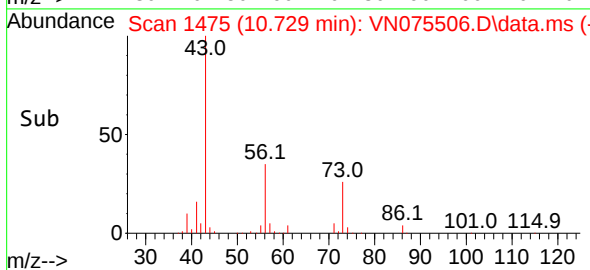
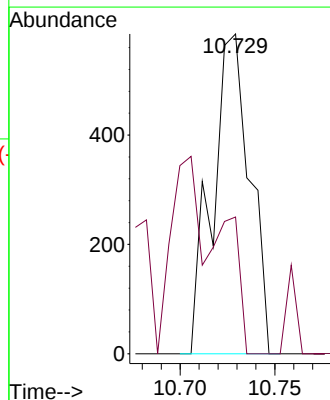
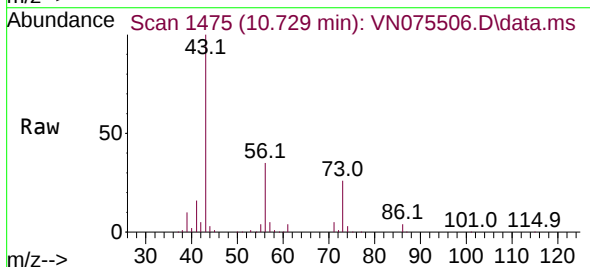
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

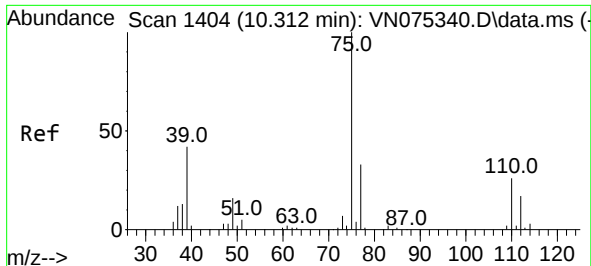
Tgt Ion: 43 Resp: 79925
Ion Ratio Lower Upper
43 100
58 7.2 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.353 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 75 Resp: 805
Ion Ratio Lower Upper
75 100
77 42.7 25.4 38.2#

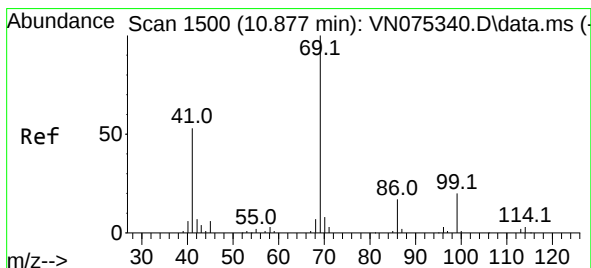
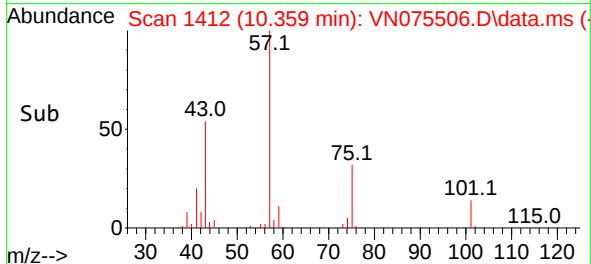
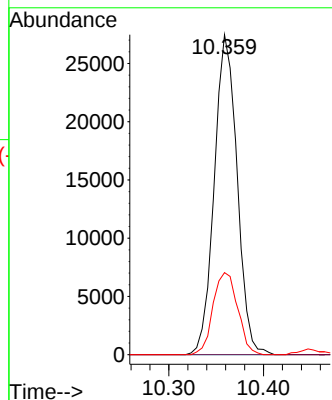
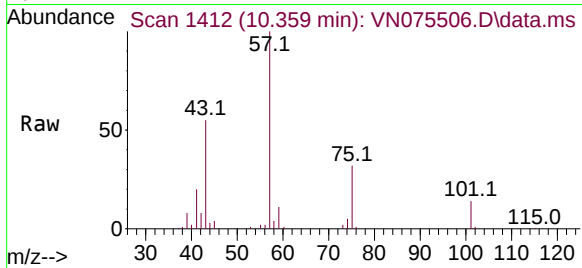




#54
 cis-1,3-Dichloropropene
 Concen: 18.537 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075506.D
 Acq: 30 Nov 2022 17:04

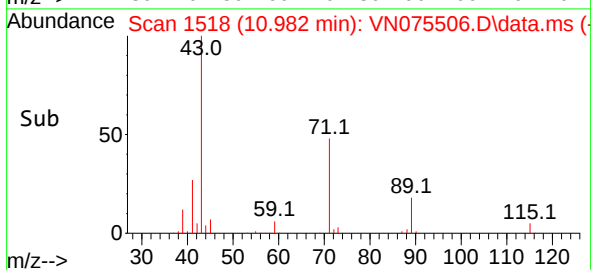
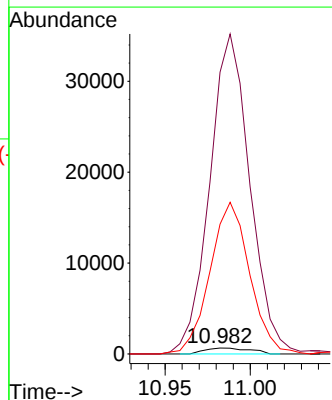
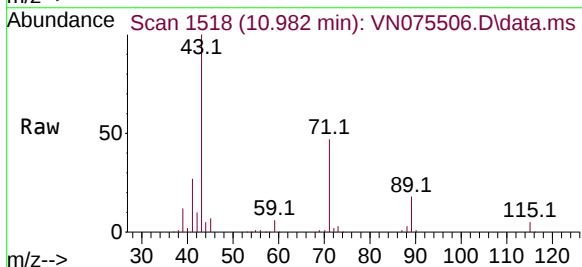
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#10

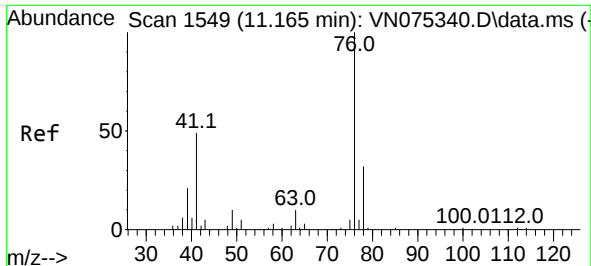
Tgt Ion: 75 Resp: 45956
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 25.6 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.525 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075506.D
 Acq: 30 Nov 2022 17:04

Tgt Ion: 69 Resp: 1213
 Ion Ratio Lower Upper
 69 100
 41 4786.4 45.6 68.4#
 39 2232.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 2.171 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075506.D

Acq: 30 Nov 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

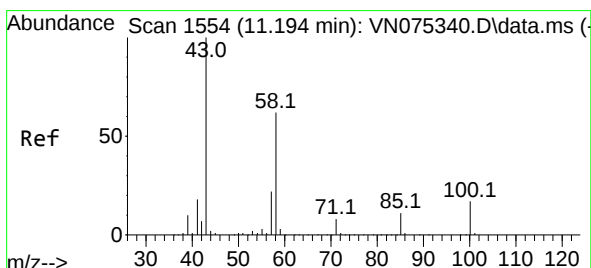
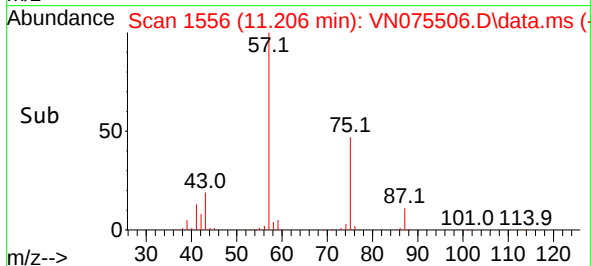
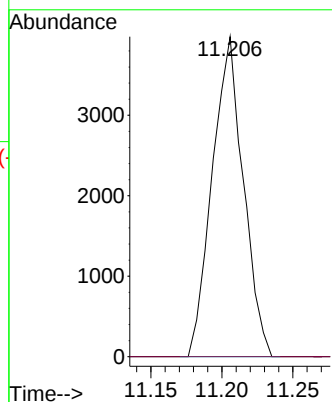
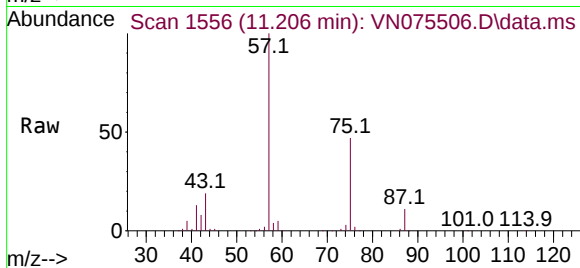
PB149341ZHE#10

Tgt Ion: 76 Resp: 6053

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 44.974 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.012 min

Lab File: VN075506.D

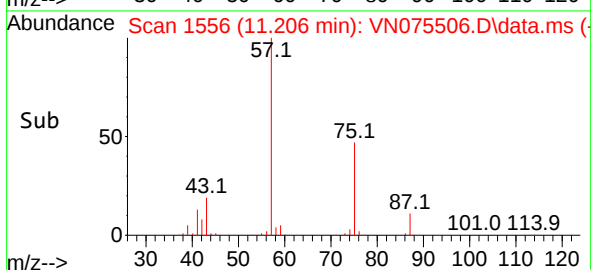
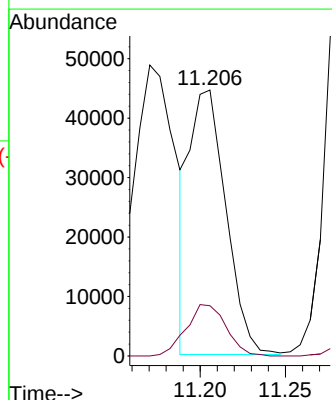
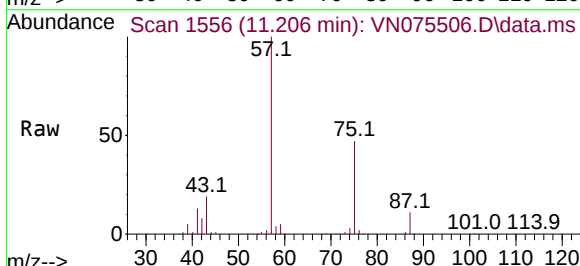
Acq: 30 Nov 2022 17:04

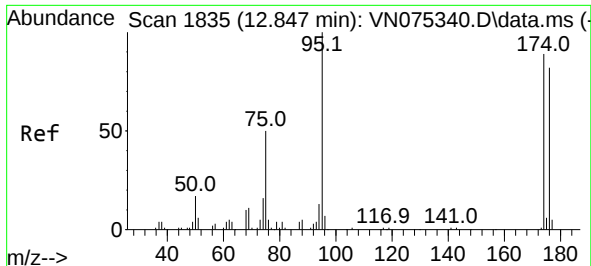
Tgt Ion: 43 Resp: 66138

Ion Ratio Lower Upper

43 100

58 21.3 29.6 88.8#

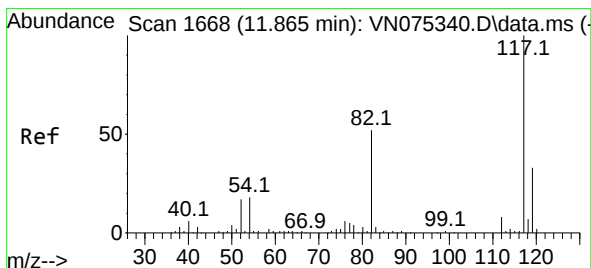
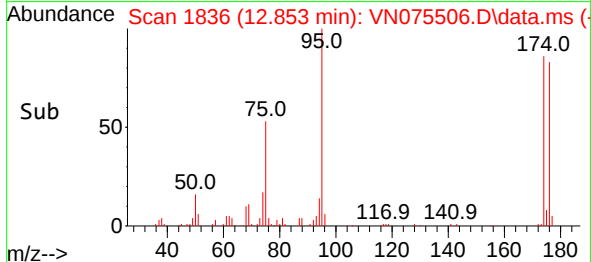
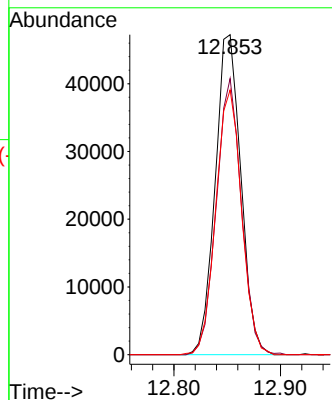
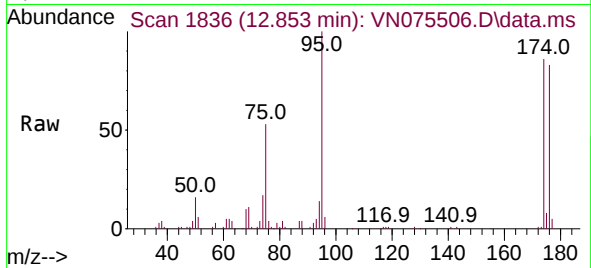




#62
4-Bromofluorobenzene
Concen: 48.766 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

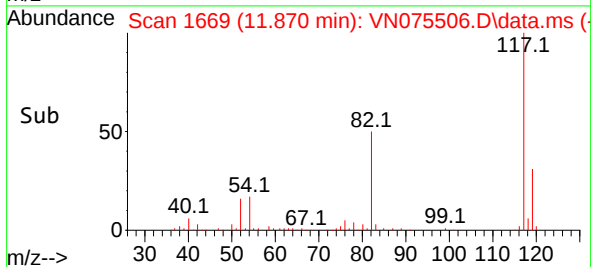
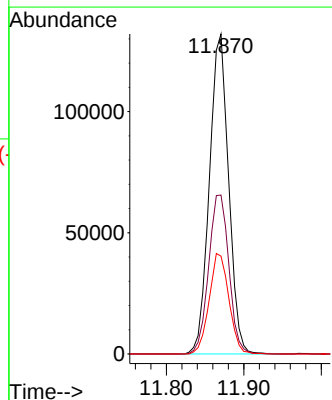
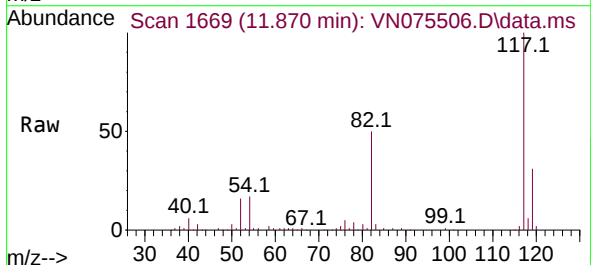
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

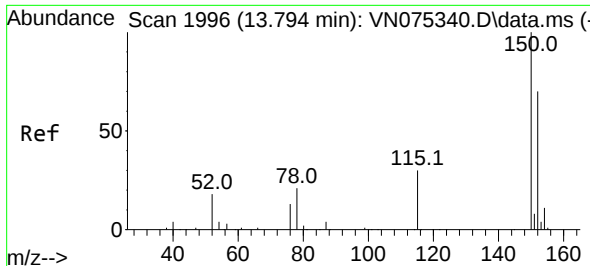
Tgt Ion: 95 Resp: 79089
Ion Ratio Lower Upper
95 100
174 83.9 0.0 147.4
176 83.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 117 Resp: 227456
Ion Ratio Lower Upper
117 100
82 49.7 43.1 64.7
119 30.5 25.5 38.3

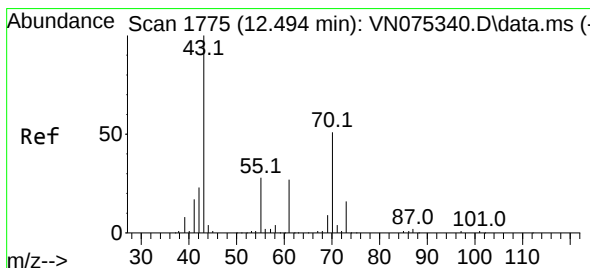
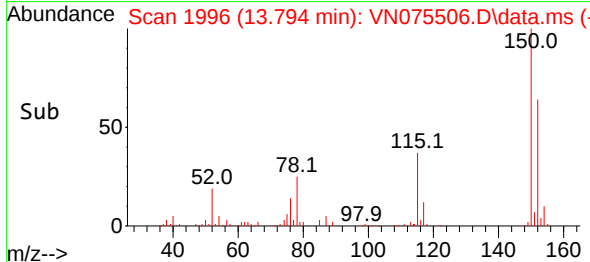
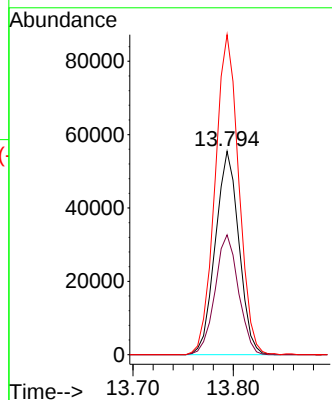
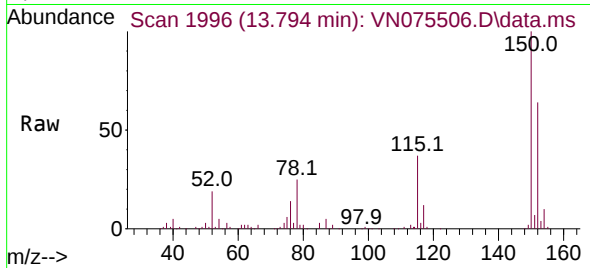




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075506.D
 Acq: 30 Nov 2022 17:04

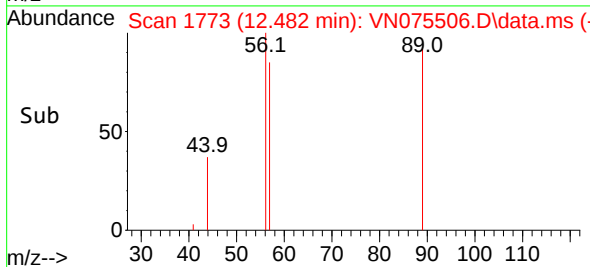
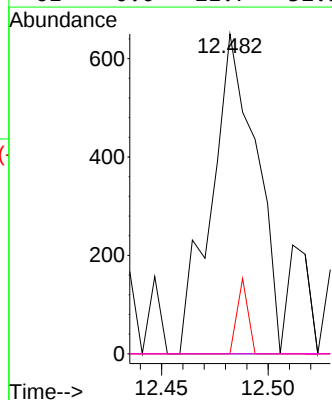
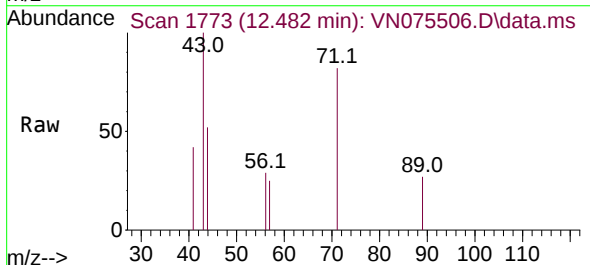
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#10

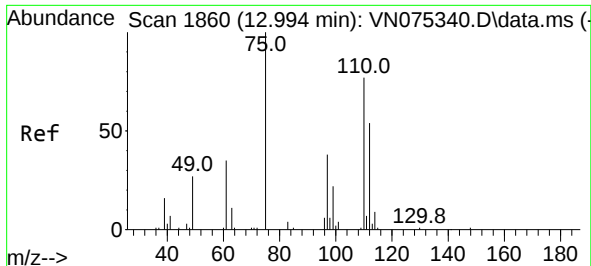
Tgt Ion:152 Resp: 90402
 Ion Ratio Lower Upper
 152 100
 115 58.6 30.2 90.6
 150 158.3 0.0 348.4



#74
 N-ethyl acetate
 Concen: 0.469 ug/l
 RT: 12.482 min Scan# 1773
 Delta R.T. -0.012 min
 Lab File: VN075506.D
 Acq: 30 Nov 2022 17:04

Tgt Ion: 43 Resp: 952
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.8 59.8#
 55 5.7 19.9 29.9#
 61 0.0 21.7 32.5#

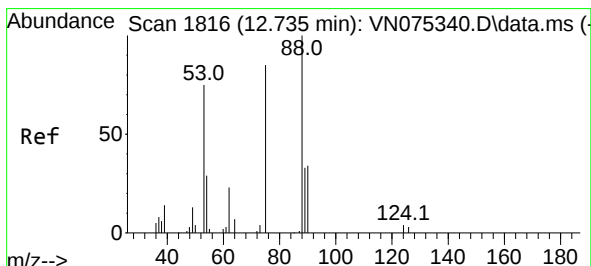
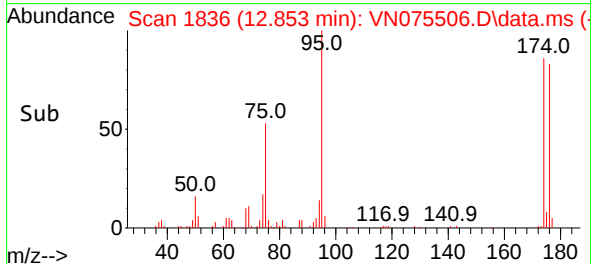
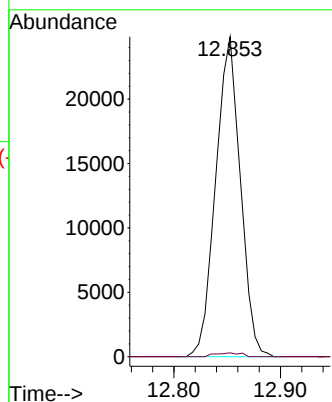
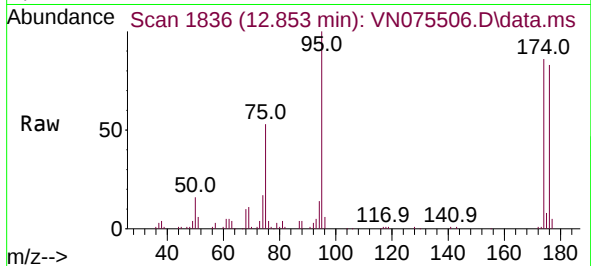




#76
1,2,3-Trichloropropane
Concen: 23.338 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#10

Tgt Ion: 75 Resp: 39890
Ion Ratio Lower Upper
75 100
77 1.3 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.050 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075506.D
Acq: 30 Nov 2022 17:04

Tgt Ion: 75 Resp: 39890
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

