

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075399.D
 Acq On : 23 Nov 2022 16:23
 Operator : JC\MD
 Sample : PB149245ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149245ZHE#02

Quant Time: Nov 24 06:52:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

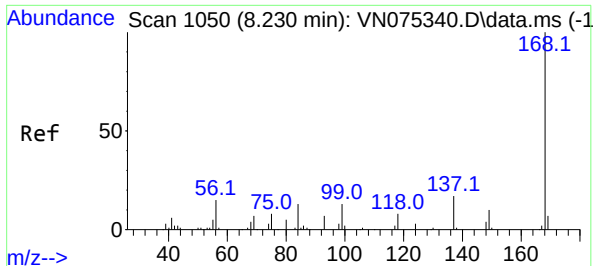
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	157664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	272991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	44480	52.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.120%			
35) Dibromofluoromethane	8.171	113	54343	50.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.340%			
50) Toluene-d8	10.571	98	124243	51.439	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.880%			
62) 4-Bromofluorobenzene	12.847	95	91479	51.312	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.620%			
Target Compounds						Qvalue
8) Diethyl Ether	3.965	74	1891	1.998	ug/l #	13
11) Tert butyl alcohol	5.506	59	890	2.505	ug/l #	72
16) Acetone	4.442	43	82637	104.682	ug/l	98
18) Methyl Acetate	5.048	43	3759	0.610	ug/l	93
20) Methylene Chloride	5.289	84	23251	13.594	ug/l	89
25) 2-Butanone	7.494	43	3329	3.021	ug/l	94
31) Cyclohexane	8.230	56	2917	1.085	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	11290	4.828	ug/l #	50
37) Ethyl Acetate	7.565	43	22889	10.870	ug/l	97
38) Carbon Tetrachloride	8.230	117	16042	6.244	ug/l #	17
43) Isopropyl Acetate	8.694	43	137616	40.714	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1470	0.861	ug/l #	42
48) Methyl methacrylate	9.671	41	3361	2.150	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	5446	2.530	ug/l	100
53) t-1,3-Dichloropropene	10.730	75	672	0.268	ug/l #	48
54) cis-1,3-Dichloropropene	10.359	75	46381	17.019	ug/l #	61
56) Ethyl methacrylate	10.994	69	835	0.329	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6314	2.061	ug/l #	42
59) 2-Hexanone	11.171	43	90262	55.836	ug/l #	21
74) N-amyl acetate	12.500	43	1709	0.665	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	44007	20.331	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	44007	60.155	ug/l #	10
95) Naphthalene	15.647	128	1346	0.219	ug/l #	69

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

Quant Time: Nov 24 06:52:39 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





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN075399.D

Acq: 23 Nov 2022 16:23

Instrument :

MSVOA_N

ClientSampleId :

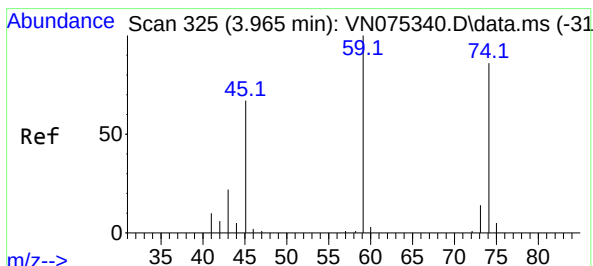
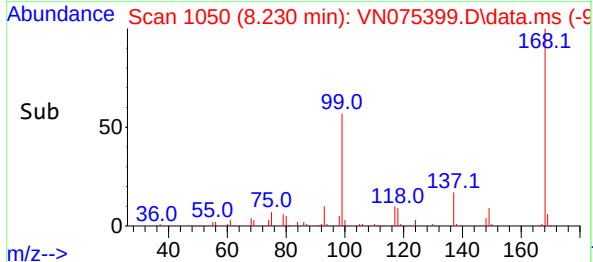
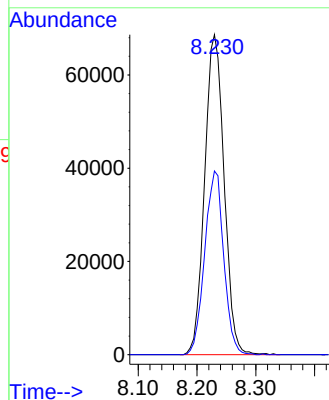
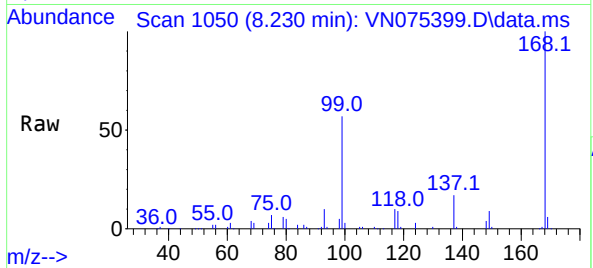
PB149245ZHE#02

Tgt Ion:168 Resp: 157664

Ion Ratio Lower Upper

168 100

99 57.4 51.6 77.4



#8

Diethyl Ether

Concen: 1.998 ug/l

RT: 3.965 min Scan# 325

Delta R.T. 0.000 min

Lab File: VN075399.D

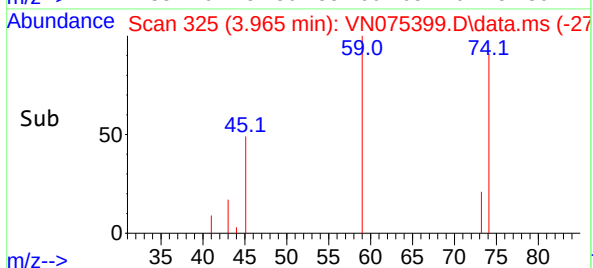
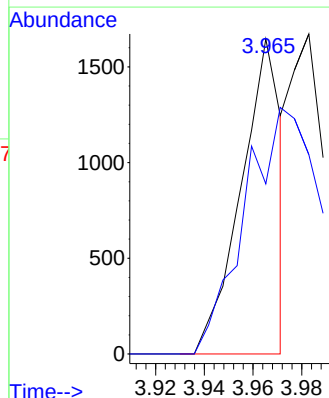
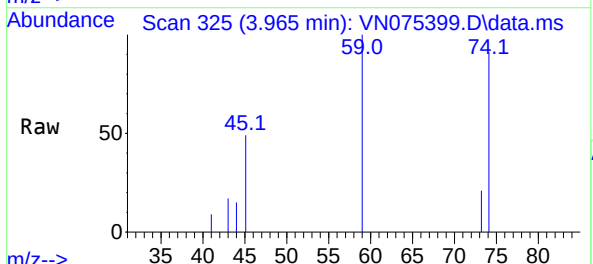
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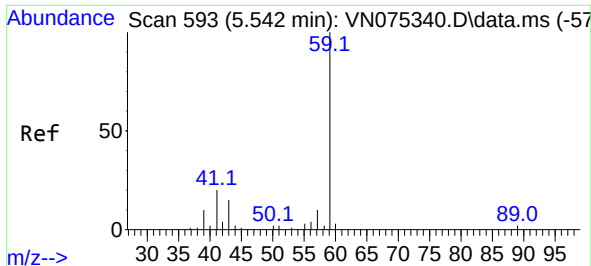
Tgt Ion: 74 Resp: 1891

Ion Ratio Lower Upper

74 100

45 154.9 39.3 117.9#

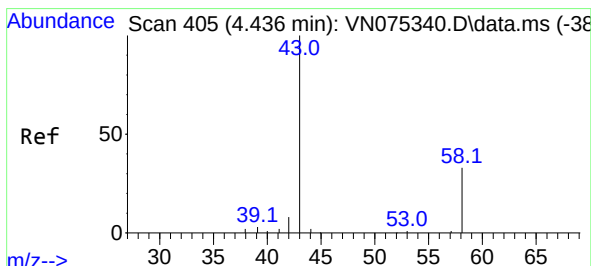
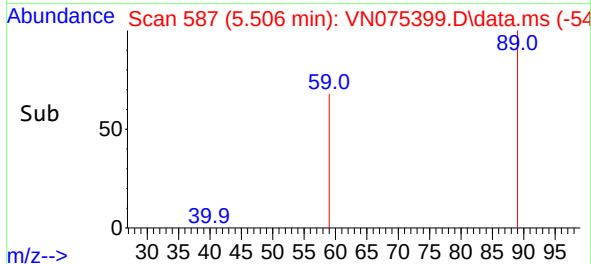
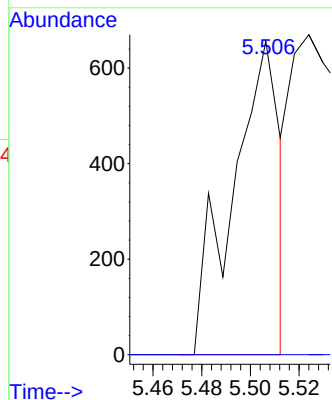
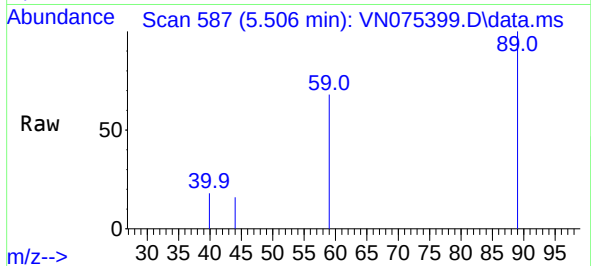




#11
Tert butyl alcohol
Concen: 2.505 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

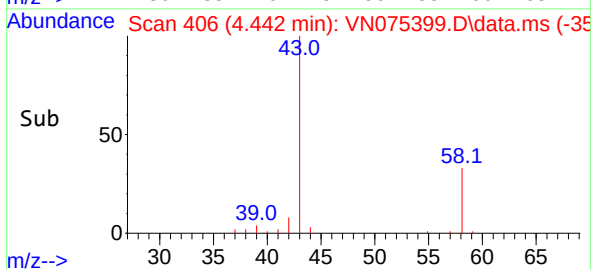
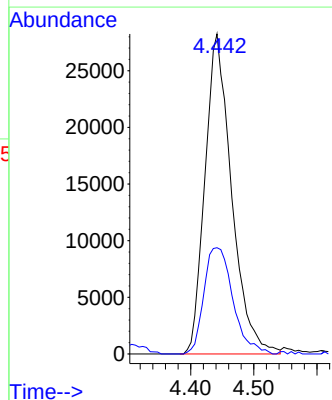
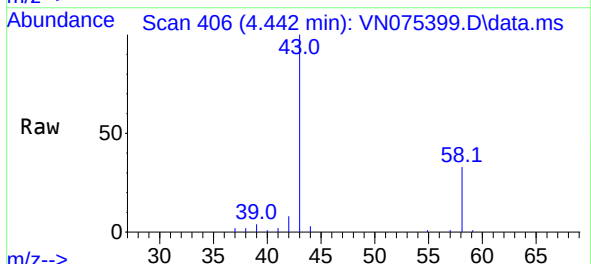
Instrument :
MSVOA_N
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PB149245ZHE#02

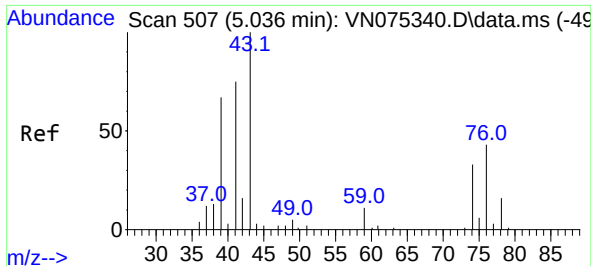
Tgt Ion: 59 Resp: 890
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 104.682 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 43 Resp: 82637
Ion Ratio Lower Upper
43 100
58 33.2 25.5 38.3

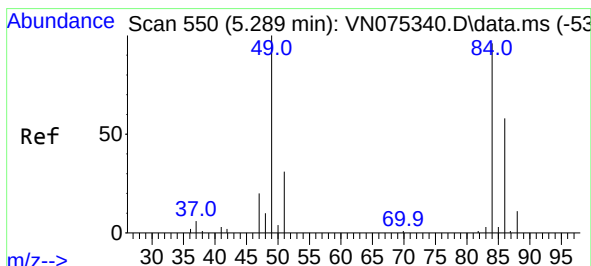
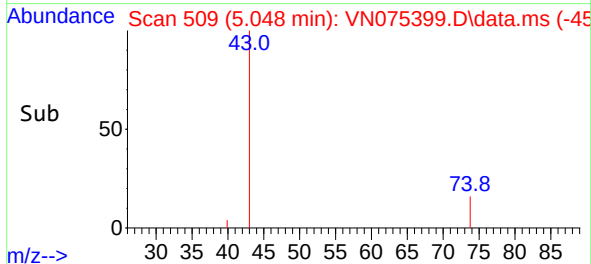
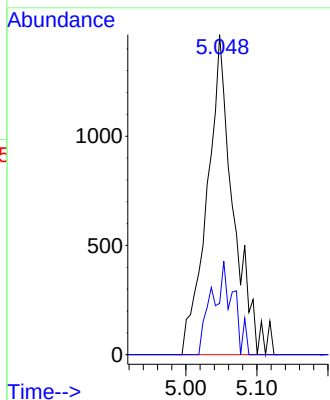
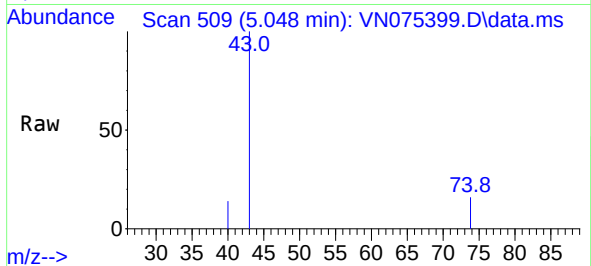




#18
Methyl Acetate
Concen: 0.610 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

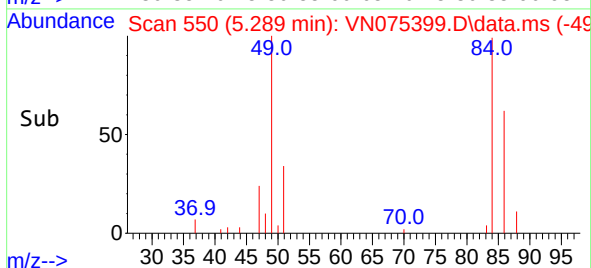
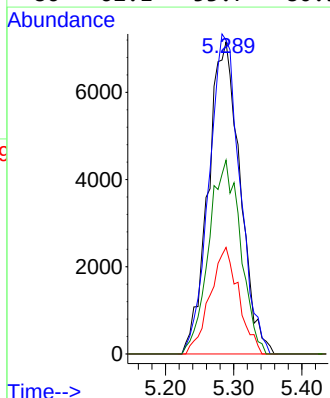
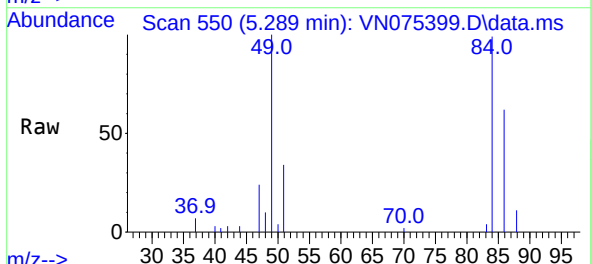
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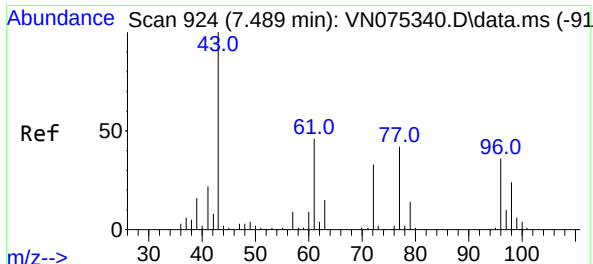
Tgt Ion: 43 Resp: 3759
Ion Ratio Lower Upper
43 100
74 23.6 22.0 33.0



#20
Methylene Chloride
Concen: 13.594 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 84 Resp: 23251
Ion Ratio Lower Upper
84 100
49 100.5 94.9 142.3
51 34.1 26.8 40.2
86 62.1 53.7 80.5

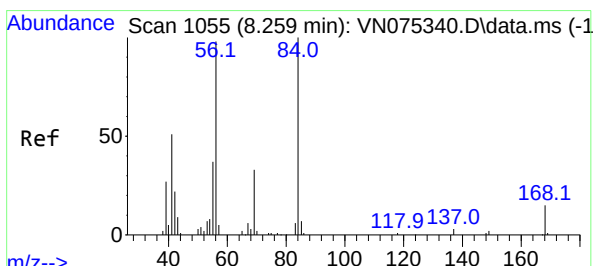
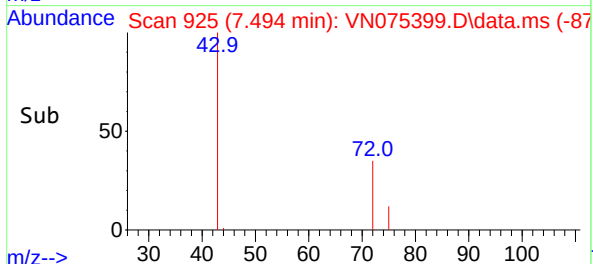
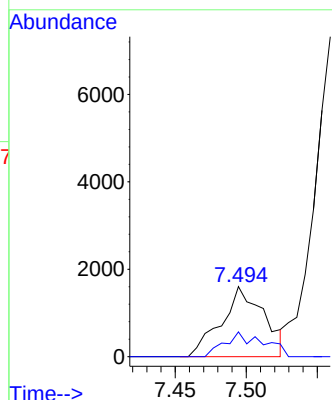
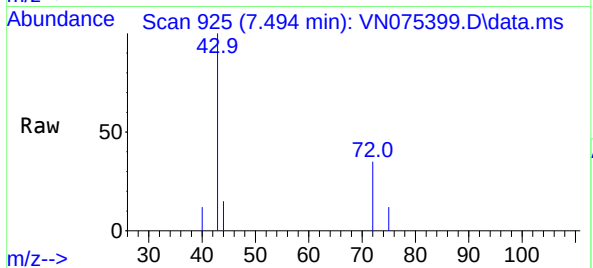




#25
2-Butanone
Concen: 3.021 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

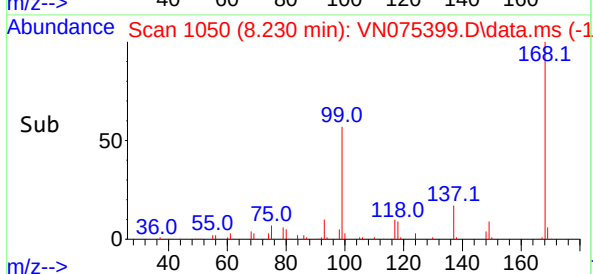
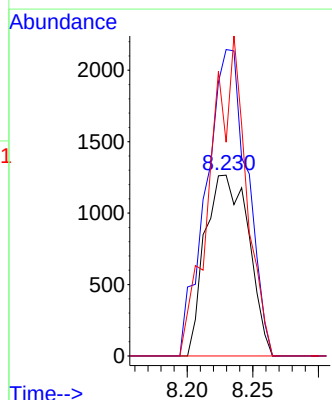
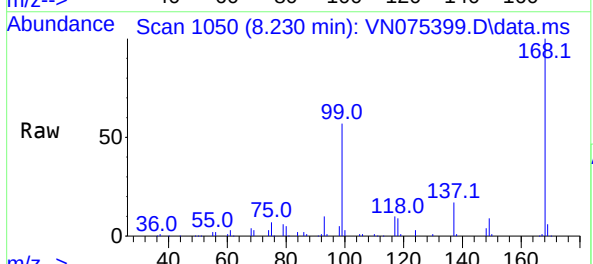
Instrument :
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ClientSampleId :
PB149245ZHE#02

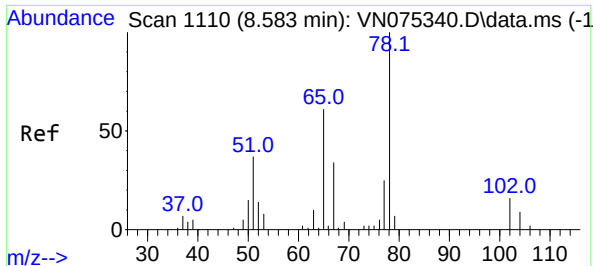
Tgt Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
72 35.4 25.5 38.3



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 56 Resp: 2917
Ion Ratio Lower Upper
56 100
69 169.4 25.2 37.8#
84 118.2 77.8 116.8#

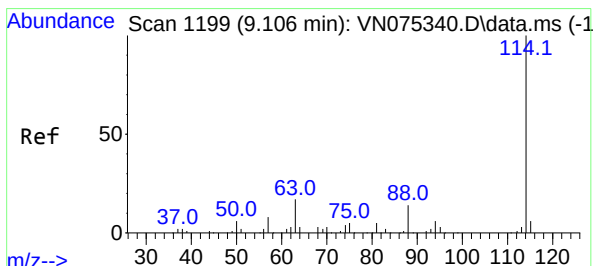
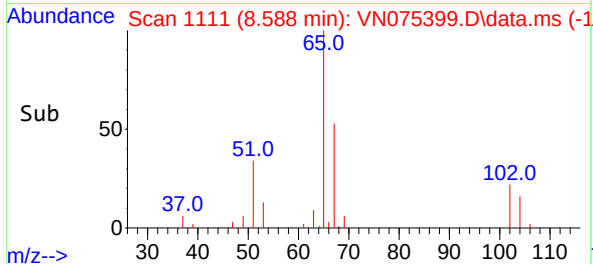
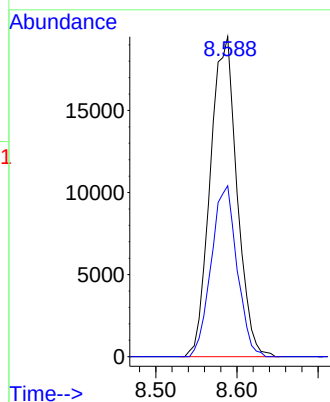
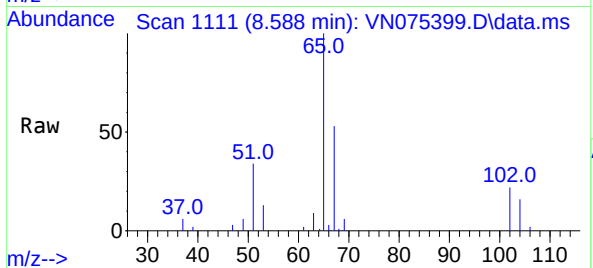




#33
1,2-Dichloroethane-d4
Concen: 52.557 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.005 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

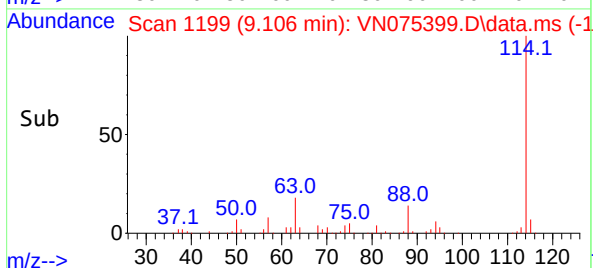
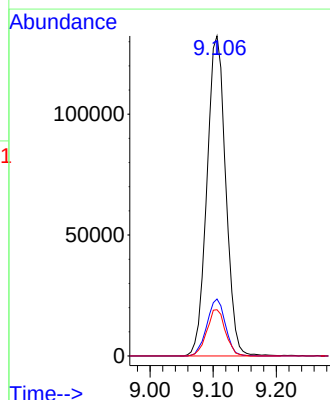
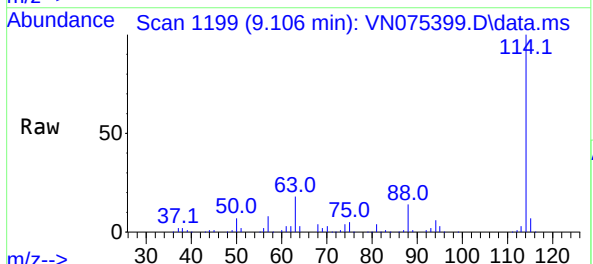
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ClientSampleId :
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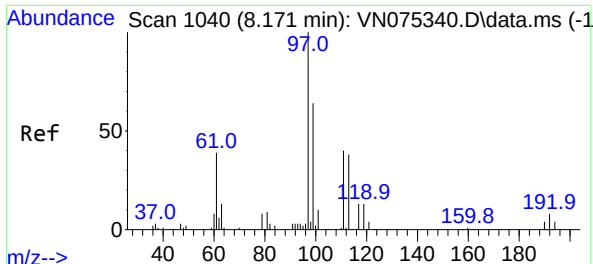
Tgt Ion: 65 Resp: 44480
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 114 Resp: 272991
Ion Ratio Lower Upper
114 100
63 17.8 0.0 39.6
88 14.5 0.0 29.0

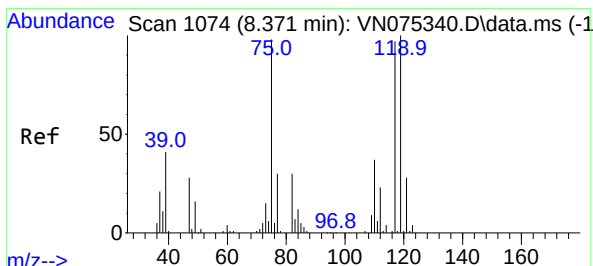
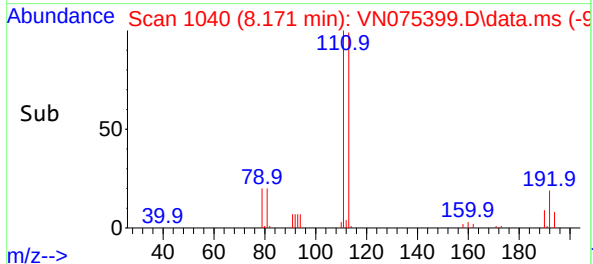
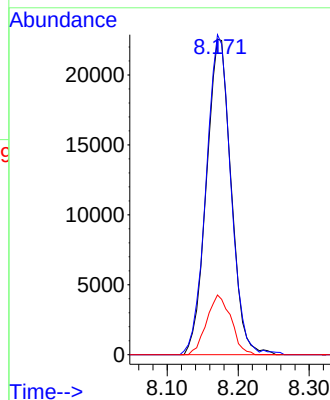
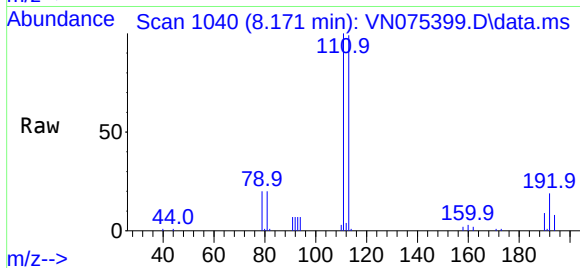




#35
Dibromofluoromethane
Concen: 50.674 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

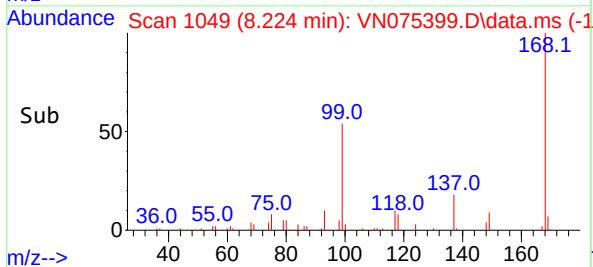
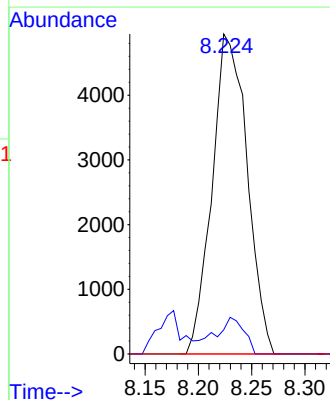
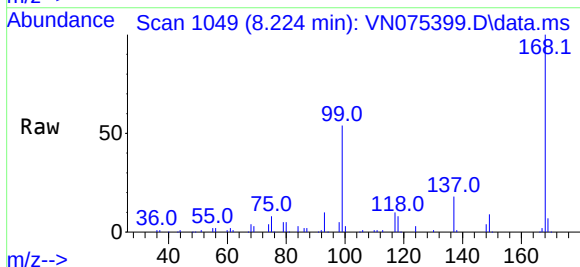
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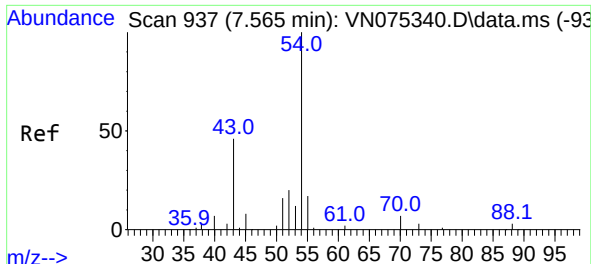
Tgt Ion:113 Resp: 54343
Ion Ratio Lower Upper
113 100
111 101.7 80.5 120.7
192 18.7 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.828 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 75 Resp: 11290
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.3#
77 0.0 24.6 37.0#

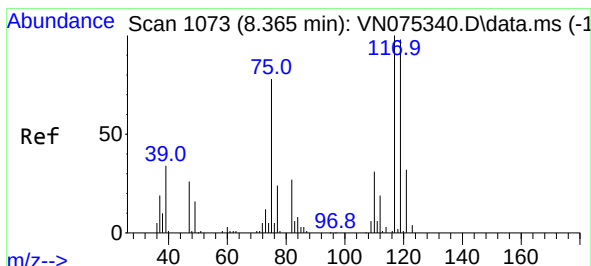
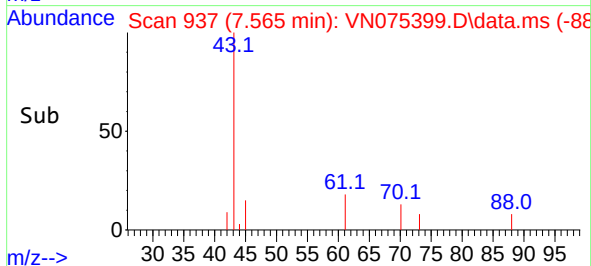
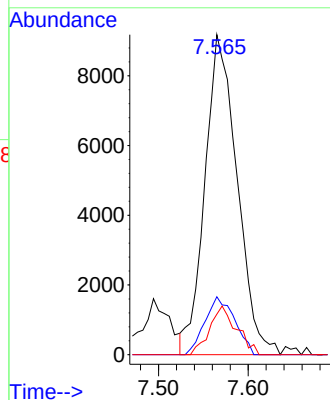
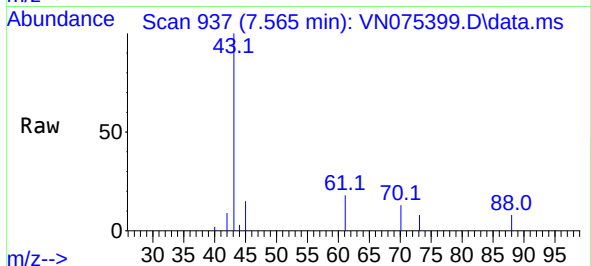




#37
Ethyl Acetate
Concen: 10.870 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

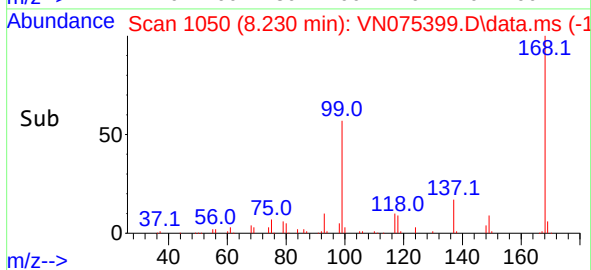
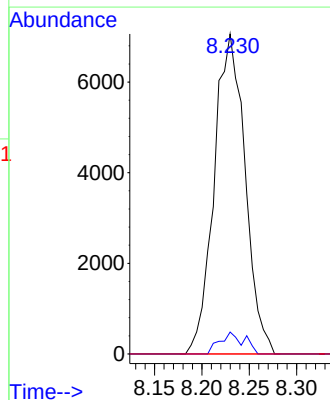
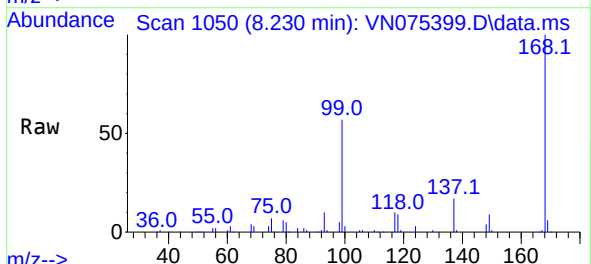
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02

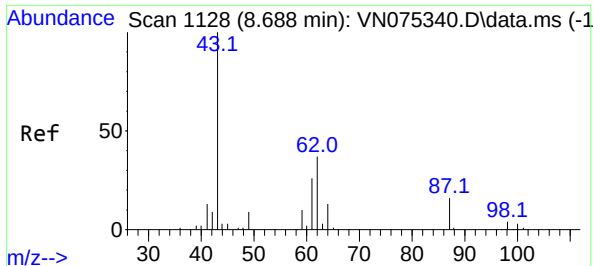
Tgt Ion:	43	Resp:	22889
Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.2	18.4
70	12.7	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.244 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion:	117	Resp:	16042
Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.7	115.1#
121	0.0	23.9	35.9#

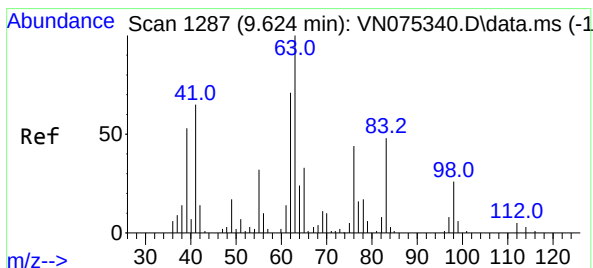
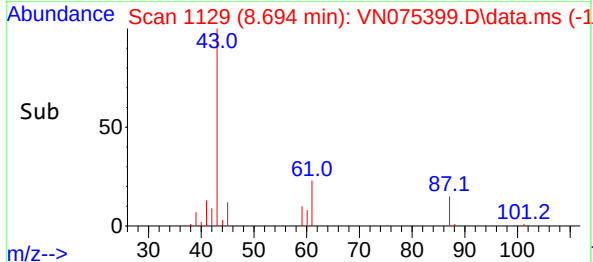
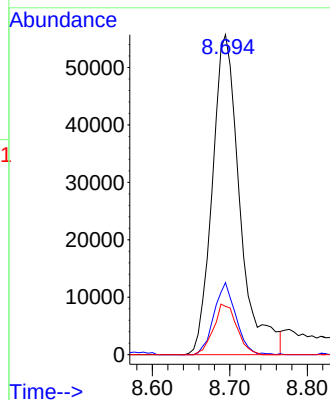
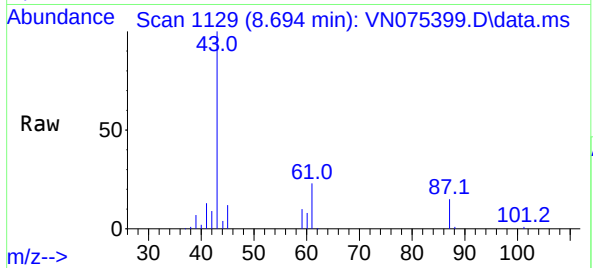




#43
Isopropyl Acetate
Concen: 40.714 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

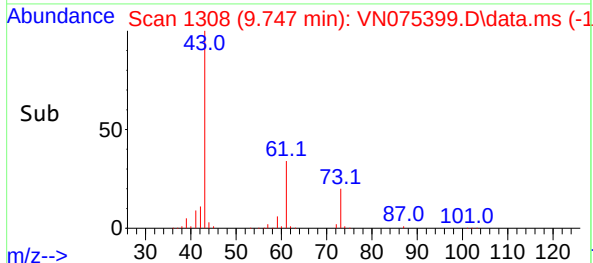
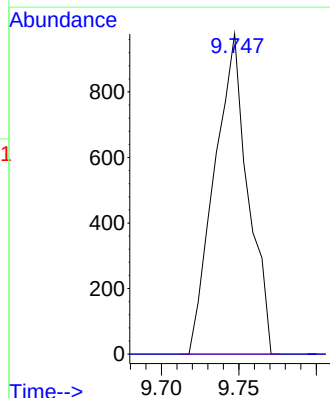
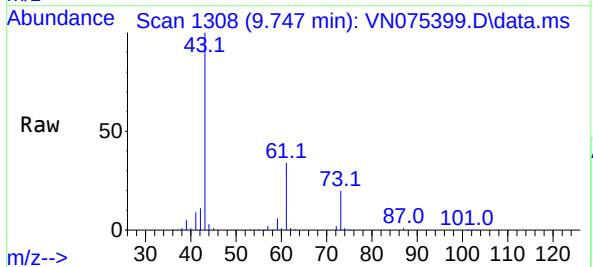
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02

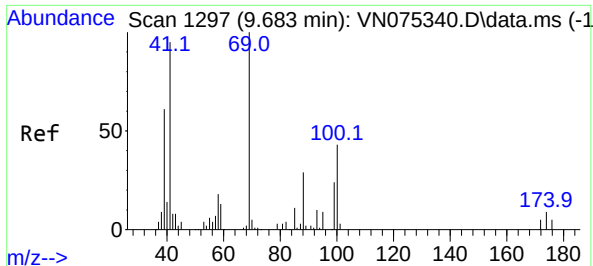
Tgt Ion: 43 Resp: 137616
Ion Ratio Lower Upper
43 100
61 17.9 22.4 33.6#
87 13.4 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.861 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 63 Resp: 1470
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

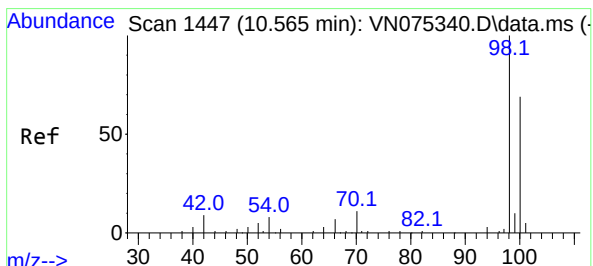
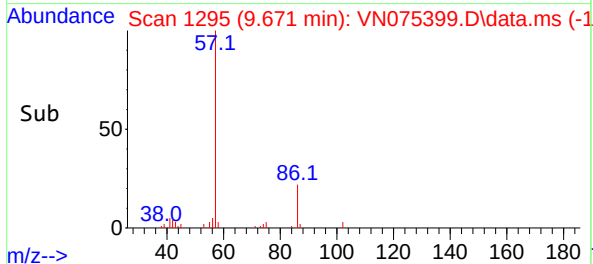
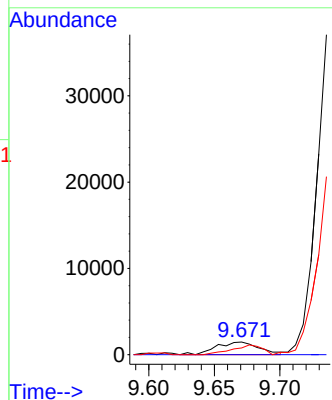
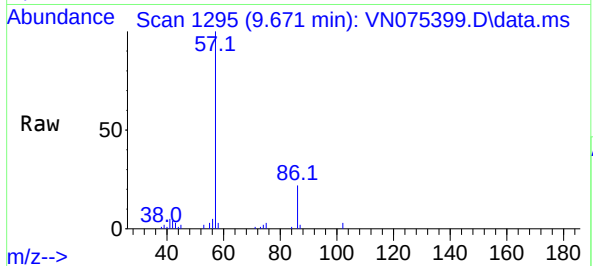




#48
Methyl methacrylate
Concen: 2.150 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

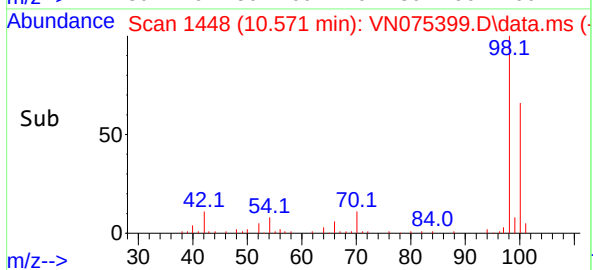
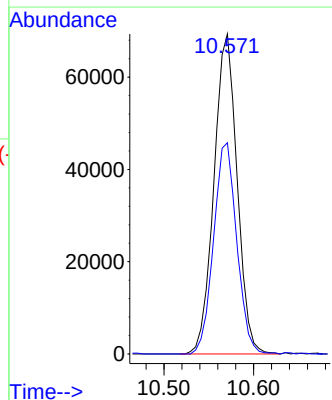
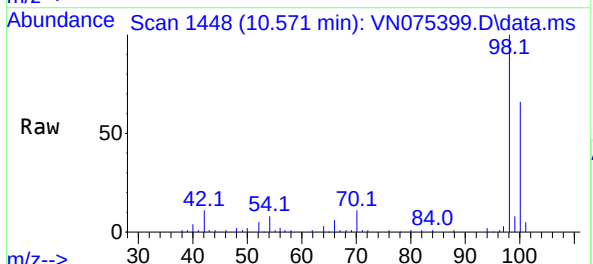
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02

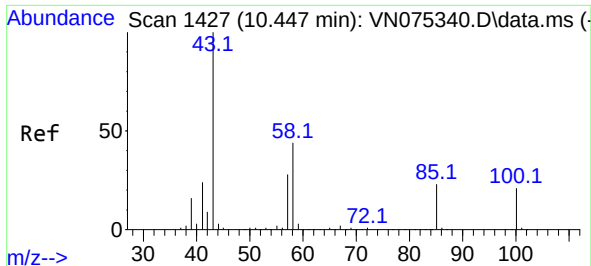
Tgt Ion: 41 Resp: 3361
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 53.1 56.2 84.2#



#50
Toluene-d8
Concen: 51.439 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 98 Resp: 124243
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 2.530 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075399.D

Acq: 23 Nov 2022 16:23

Instrument :

MSVOA_N

ClientSampleId :

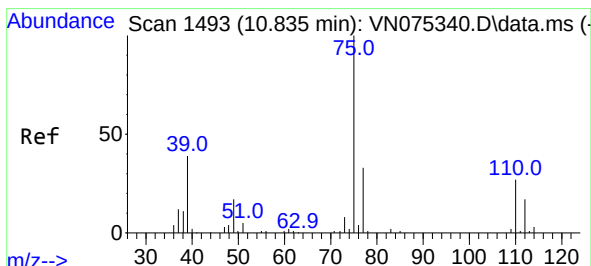
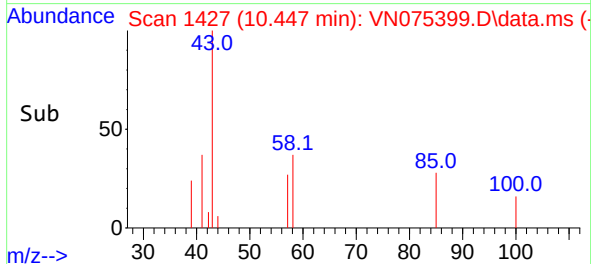
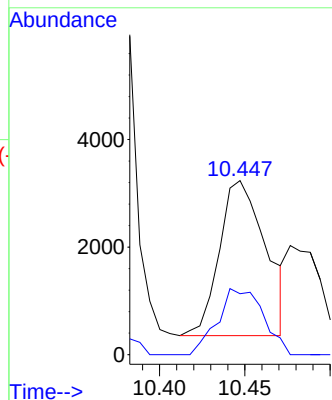
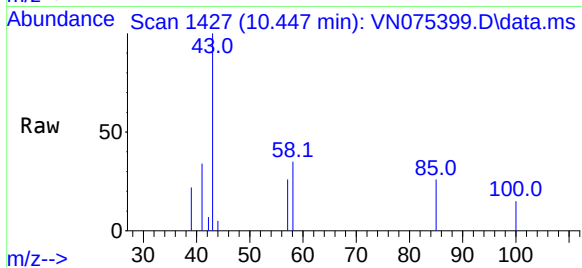
PB149245ZHE#02

Tgt Ion: 43 Resp: 5446

Ion Ratio Lower Upper

43 100

58 41.9 33.6 50.4



#53

t-1,3-Dichloropropene

Concen: 0.268 ug/l

RT: 10.730 min Scan# 1475

Delta R.T. -0.105 min

Lab File: VN075399.D

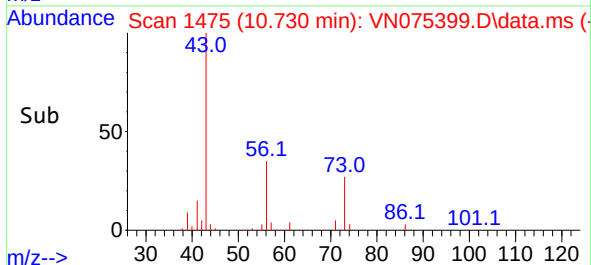
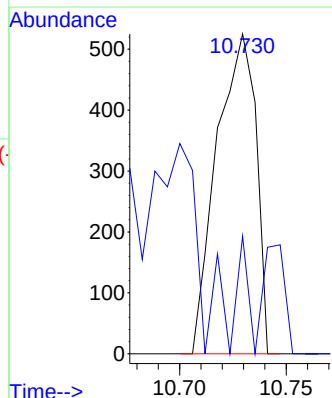
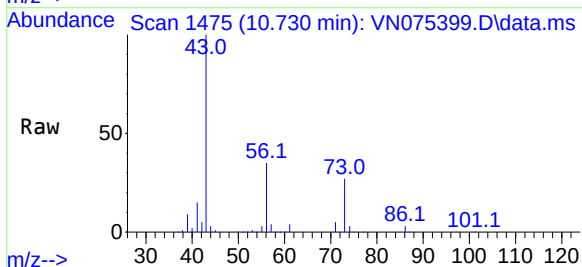
Acq: 23 Nov 2022 16:23

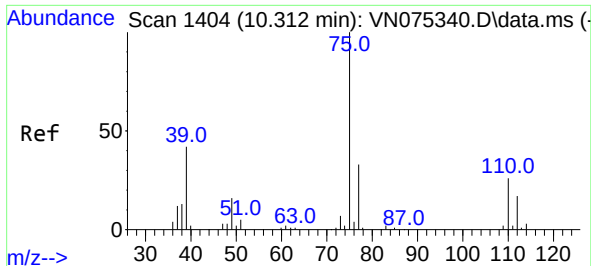
Tgt Ion: 75 Resp: 672

Ion Ratio Lower Upper

75 100

77 2.7 25.4 38.2#

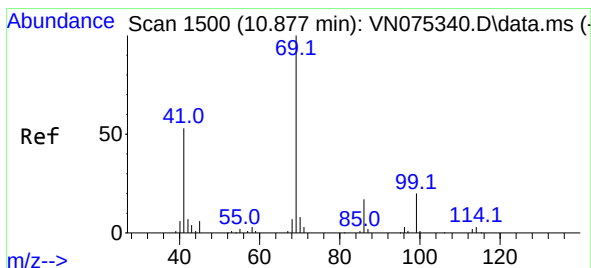
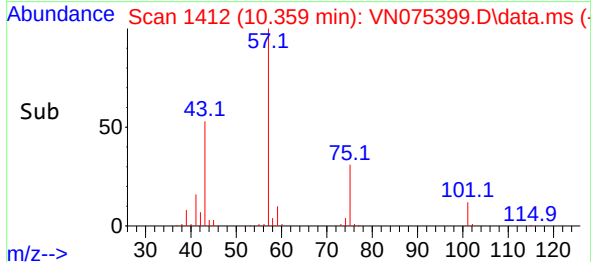
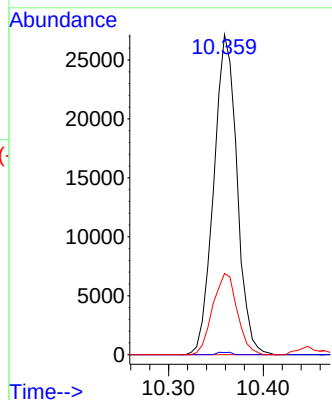
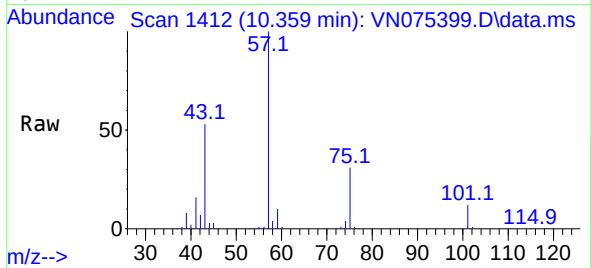




#54
cis-1,3-Dichloropropene
Concen: 17.019 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

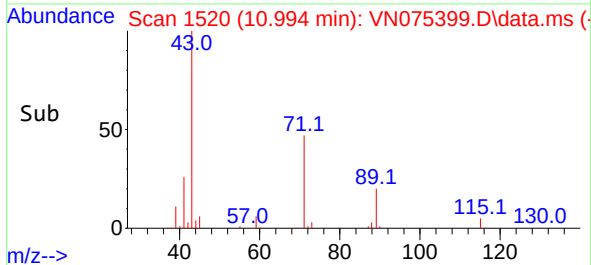
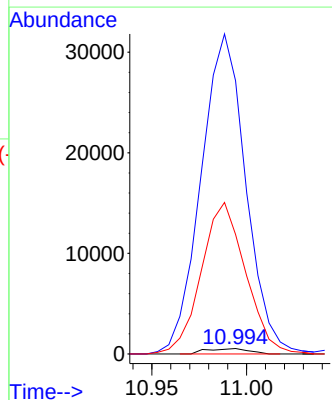
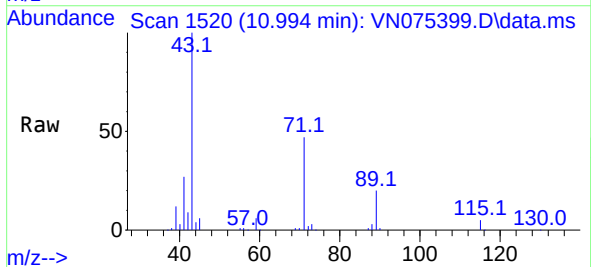
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02

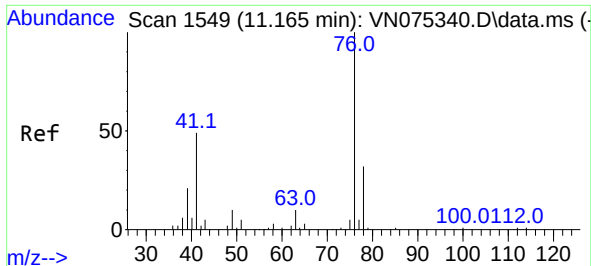
Tgt Ion: 75 Resp: 46381
Ion Ratio Lower Upper
75 100
77 0.7 23.7 35.5#
39 25.4 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.329 ug/l
RT: 10.994 min Scan# 1520
Delta R.T. 0.117 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 69 Resp: 835
Ion Ratio Lower Upper
69 100
41 6299.0 45.6 68.4#
39 2941.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 2.061 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075399.D

Acq: 23 Nov 2022 16:23

Instrument :

MSVOA_N

ClientSampleId :

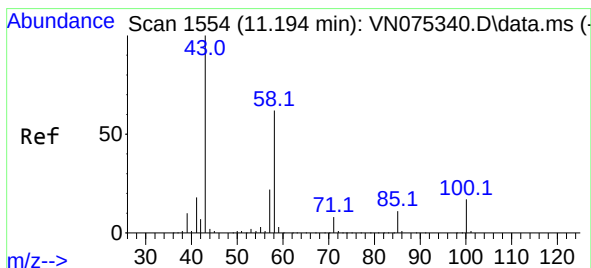
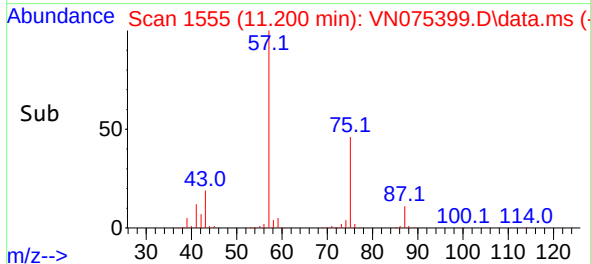
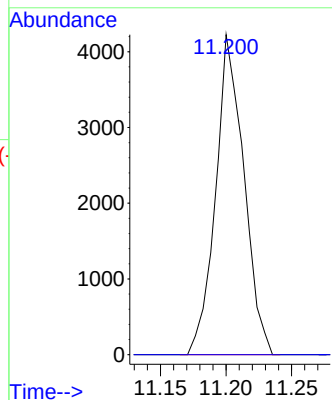
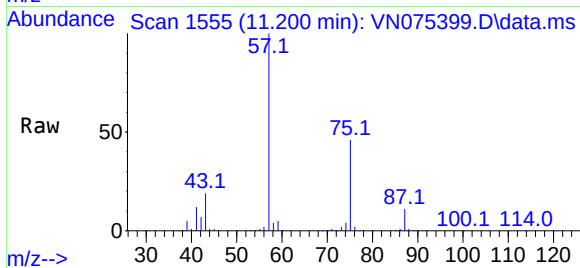
PB149245ZHE#02

Tgt Ion: 76 Resp: 6314

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 55.836 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.023 min

Lab File: VN075399.D

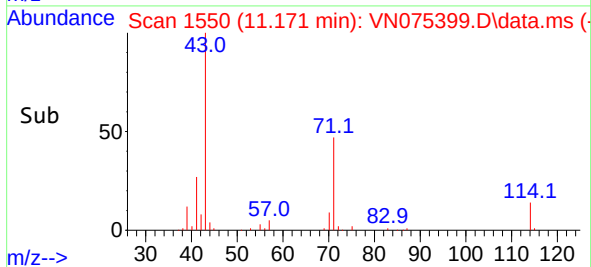
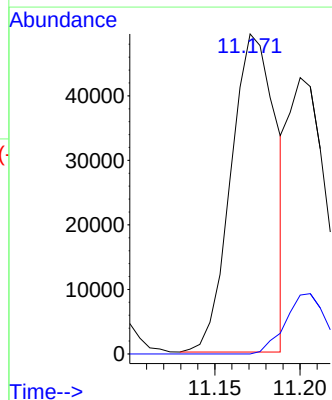
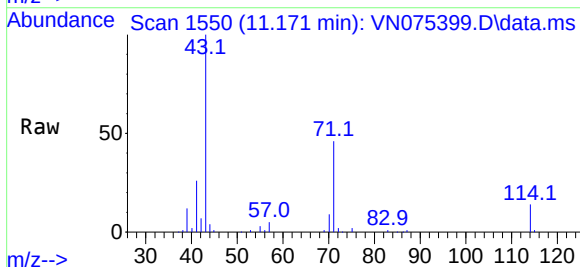
Acq: 23 Nov 2022 16:23

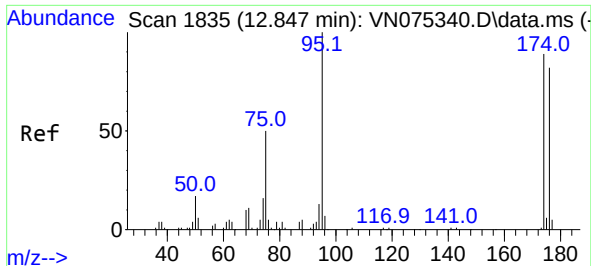
Tgt Ion: 43 Resp: 90262

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

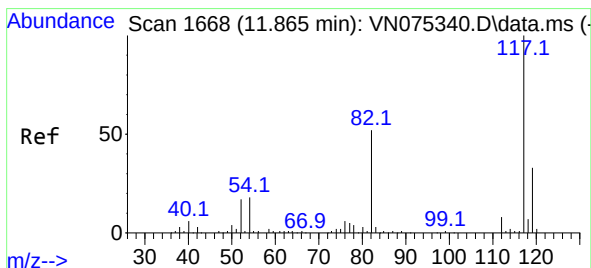
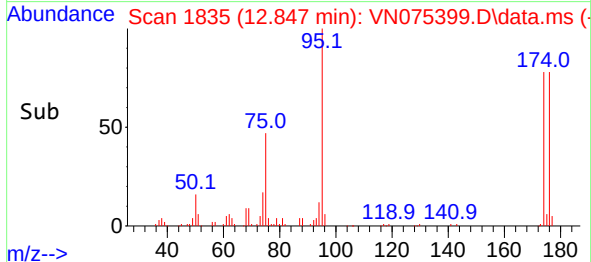
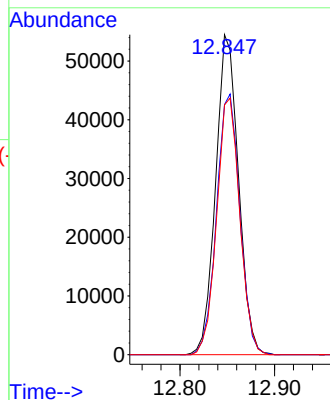
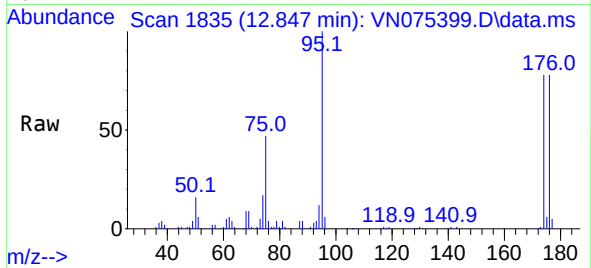




#62
4-Bromofluorobenzene
Concen: 51.312 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

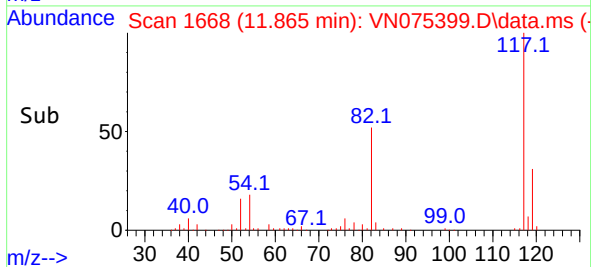
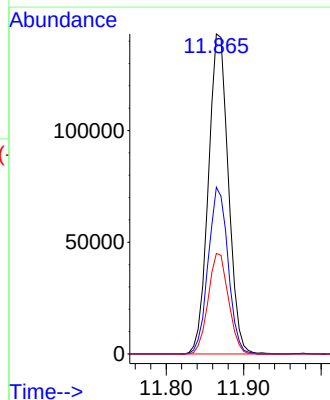
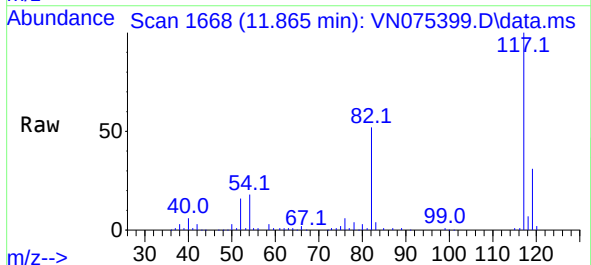
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02

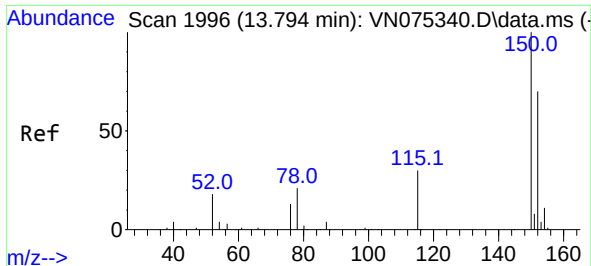
Tgt Ion: 95 Resp: 91479
Ion Ratio Lower Upper
95 100
174 83.0 0.0 147.4
176 80.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 117 Resp: 256032
Ion Ratio Lower Upper
117 100
82 52.1 43.1 64.7
119 31.4 25.5 38.3

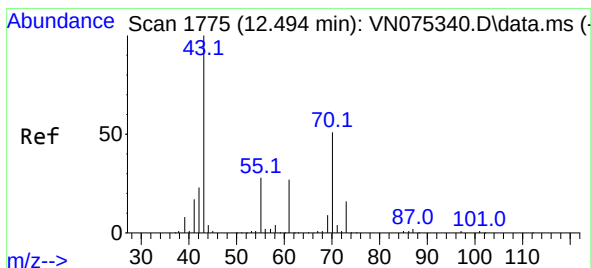
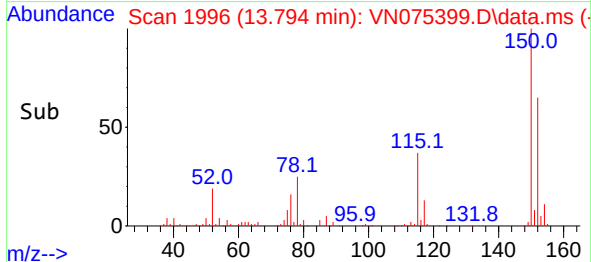
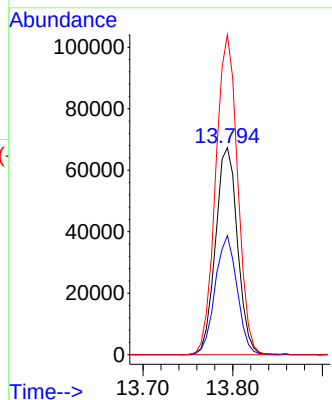
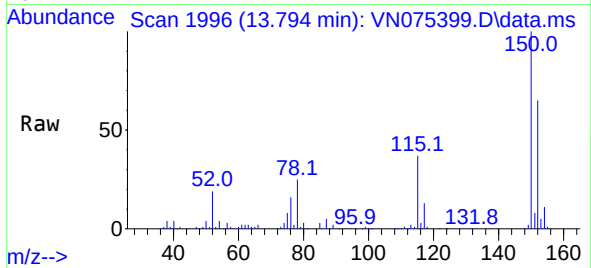




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

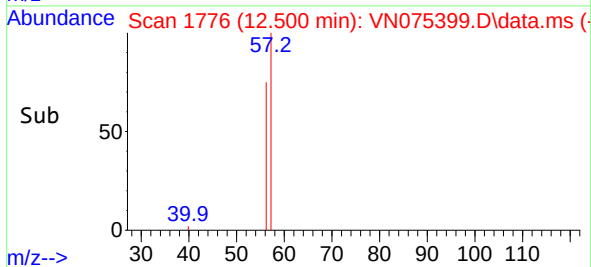
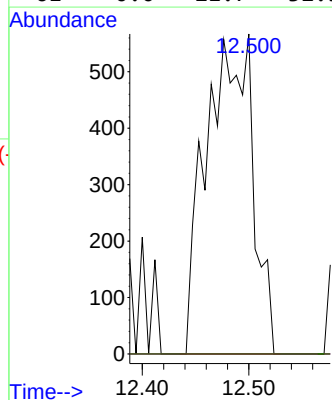
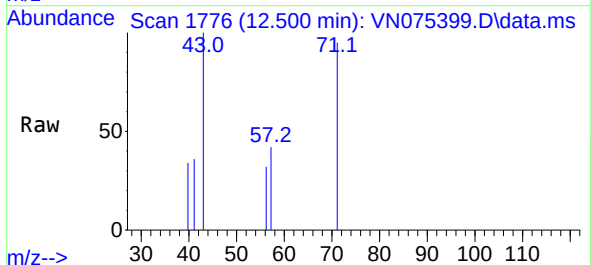
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02

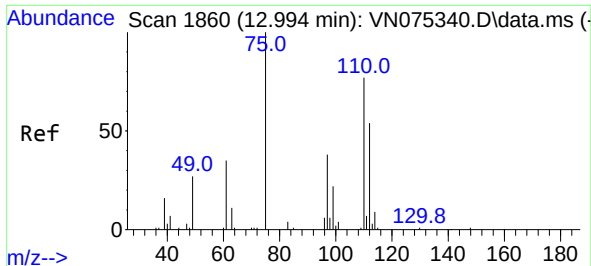
Tgt Ion:152 Resp: 114480
Ion Ratio Lower Upper
152 100
115 57.5 30.2 90.6
150 154.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.665 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Tgt Ion: 43 Resp: 1709
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#

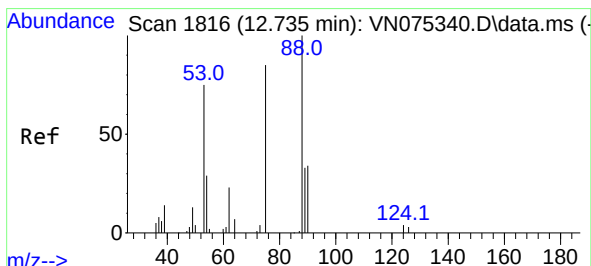
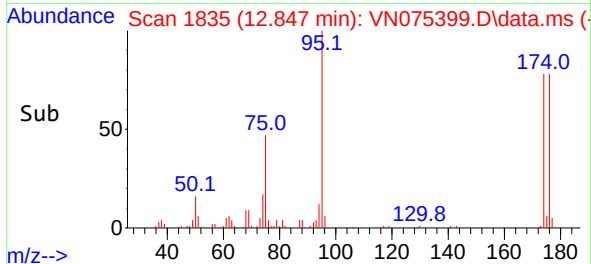
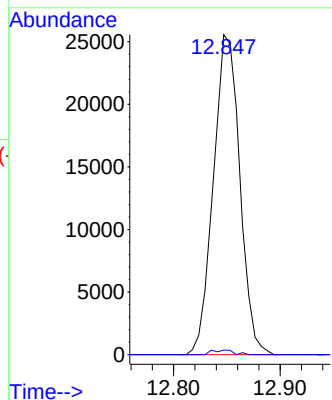
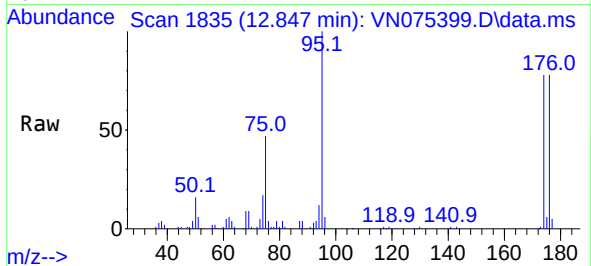




#76
1,2,3-Trichloropropane
Concen: 20.331 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

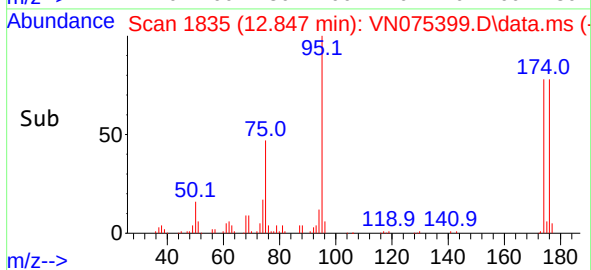
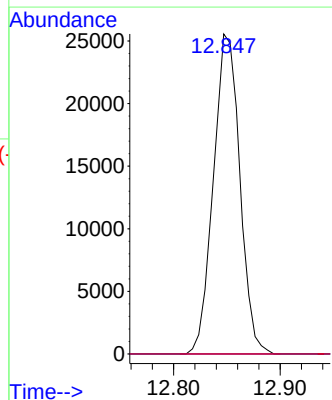
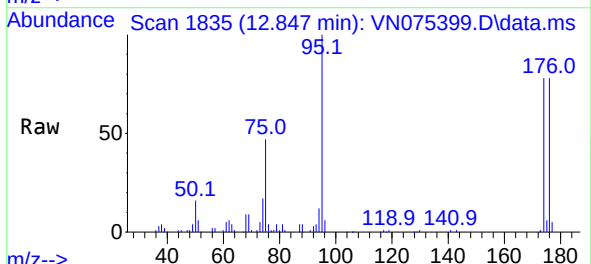
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02

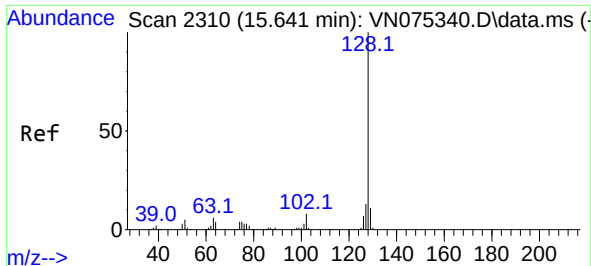
Tgt Ion: 75 Resp: 44007
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.155 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

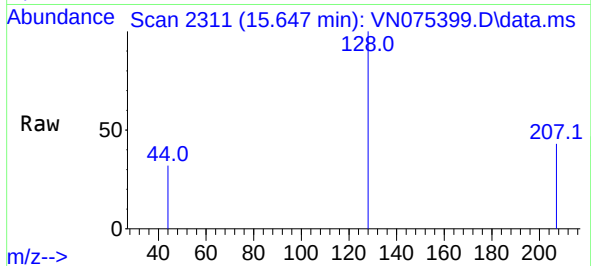
Tgt Ion: 75 Resp: 44007
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.219 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075399.D
Acq: 23 Nov 2022 16:23

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#02



Tgt Ion:	128	Resp:	1346
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	12.8#

