

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112922\
 Data File : VN075480.D
 Acq On : 29 Nov 2022 16:50
 Operator : JC\MD
 Sample : PB149314ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#06

Quant Time: Nov 30 02:29:29 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)

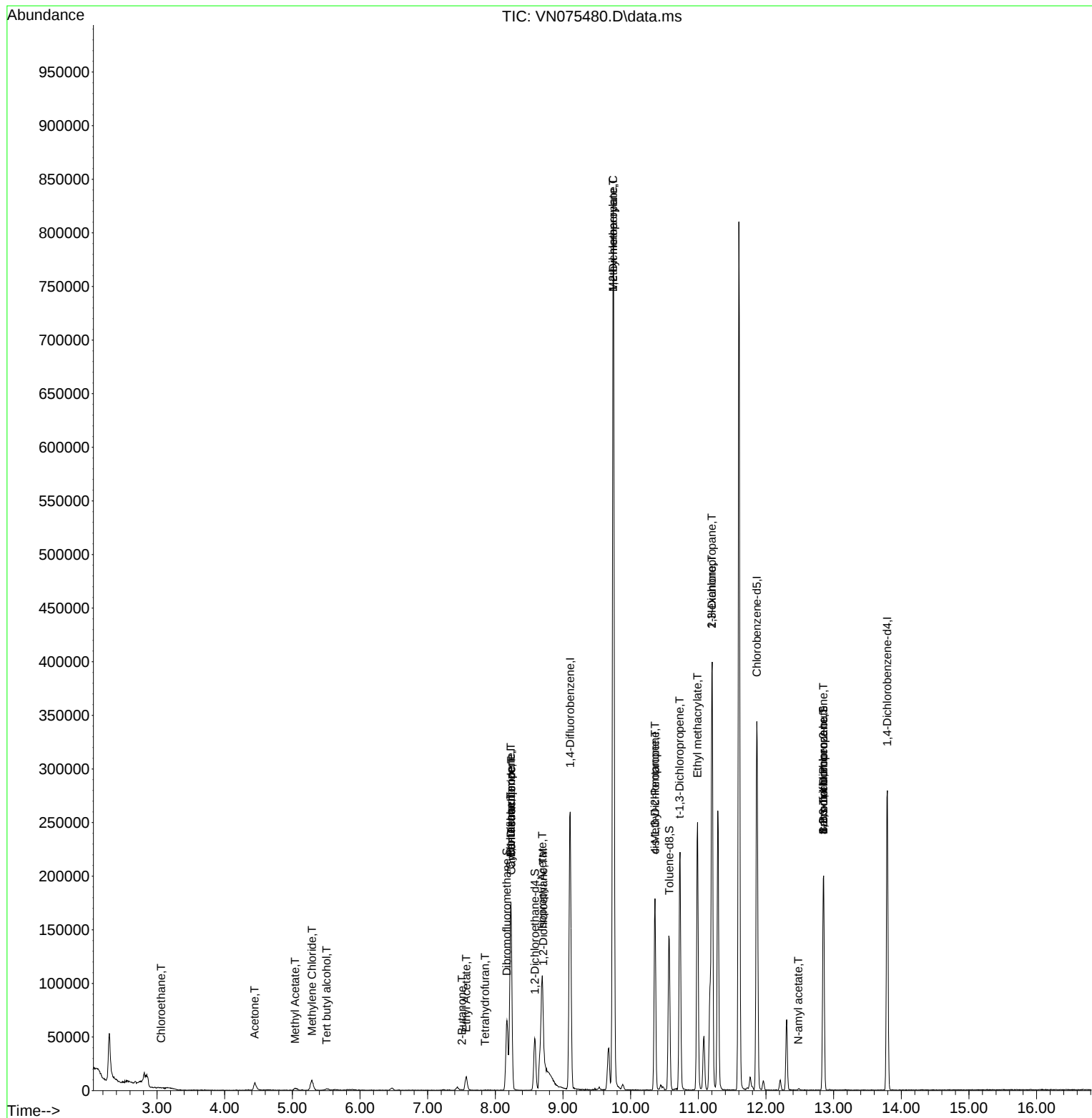
Internal Standards						
1) Pentafluorobenzene	8.230	168	133237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	241435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	213538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	81580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	39943	55.849	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.700%			
35) Dibromofluoromethane	8.171	113	48071	50.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	10.571	98	103887	48.633	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.260%			
62) 4-Bromofluorobenzene	12.847	95	69542	44.106	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.220%			
Target Compounds						Qvalue
6) Chloroethane	3.059	64	473	0.391	ug/l #	45
11) Tert butyl alcohol	5.506	59	1242	4.137	ug/l #	72
16) Acetone	4.442	43	13145	19.705	ug/l	91
18) Methyl Acetate	5.042	43	4293	1.291	ug/l #	76
20) Methylene Chloride	5.289	84	8044	4.790	ug/l #	80
25) 2-Butanone	7.506	43	1017	1.092	ug/l #	43
29) Tetrahydrofuran	7.847	42	125	0.221	ug/l #	59
31) Cyclohexane	8.224	56	2529	1.113	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	9536	4.611	ug/l #	50
37) Ethyl Acetate	7.571	43	17702	9.505	ug/l	99
38) Carbon Tetrachloride	8.236	117	13433	5.912	ug/l #	15
42) 1,2-Dichloroethane	8.706	62	453	0.214	ug/l #	75
43) Isopropyl Acetate	8.694	43	146333	48.951	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1047	0.694	ug/l #	42
48) Methyl methacrylate	9.741	41	74099	53.607	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	61983	32.555	ug/l #	45
53) t-1,3-Dichloropropene	10.724	75	532	0.240	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	35562	14.755	ug/l #	61
56) Ethyl methacrylate	10.988	69	985	0.439	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4646	1.714	ug/l #	42
59) 2-Hexanone	11.200	43	48752	34.099	ug/l #	52
71) Bromoform	12.847	173	550	0.439	ug/l #	28
74) N-amyl acetate	12.477	43	780	0.426	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	34732	22.517	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	34732	66.623	ug/l #	10

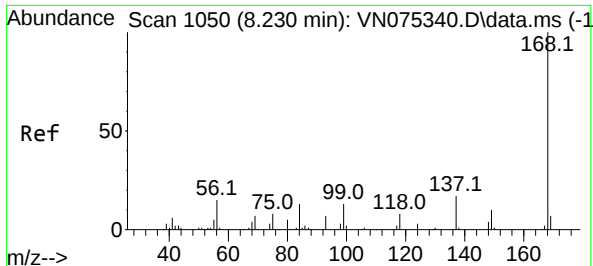
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 30 02:29:29 2022
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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

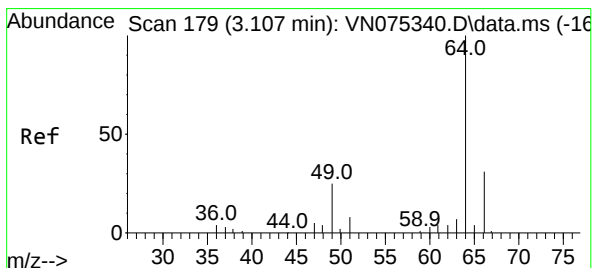
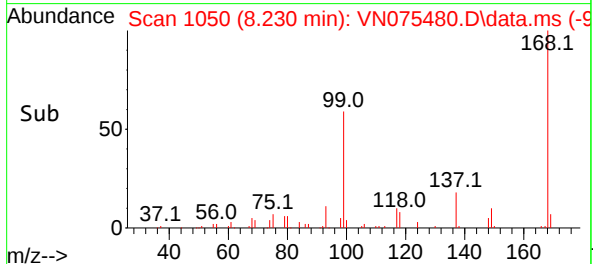
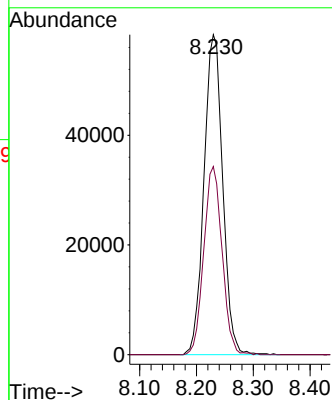
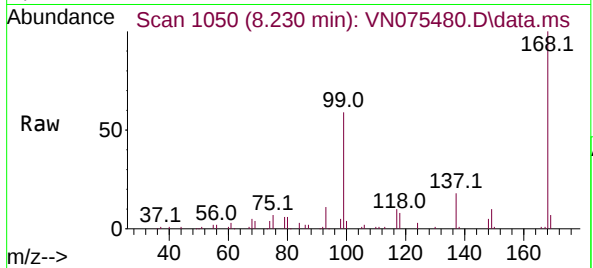




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

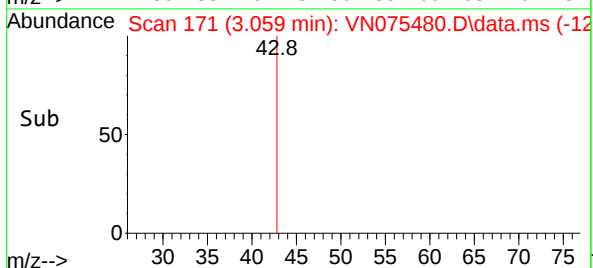
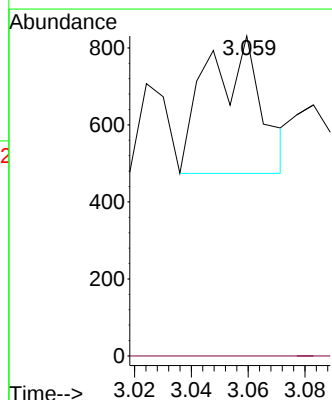
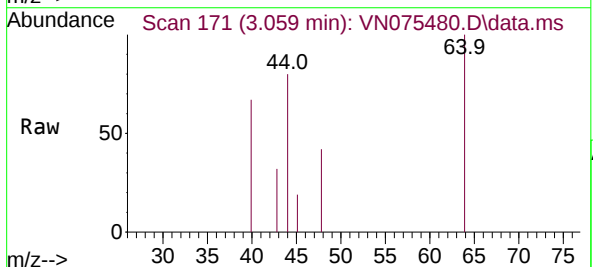
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

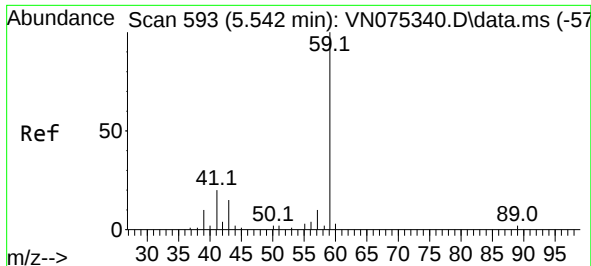
Tgt Ion:168 Resp: 133237
Ion Ratio Lower Upper
168 100
99 58.8 51.6 77.4



#6
Chloroethane
Concen: 0.391 ug/l
RT: 3.059 min Scan# 171
Delta R.T. -0.048 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 64 Resp: 473
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

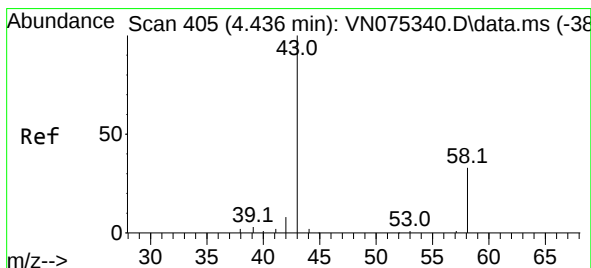
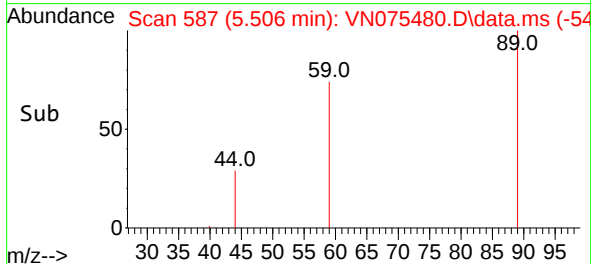
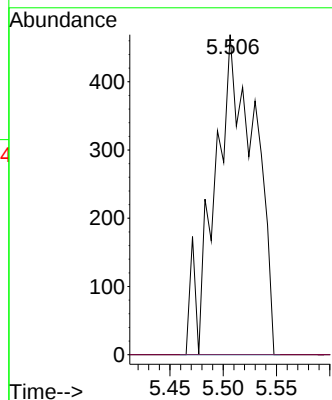
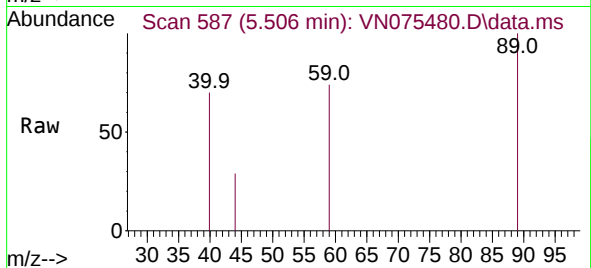




#11
Tert butyl alcohol
Concen: 4.137 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

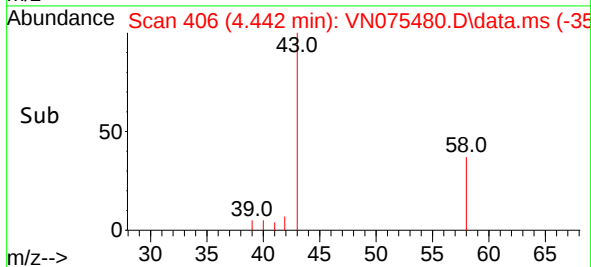
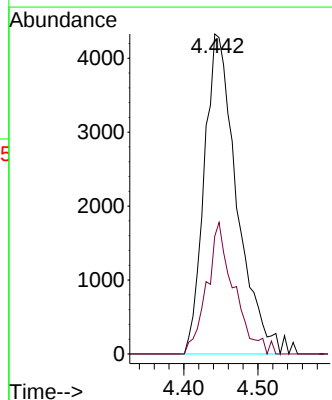
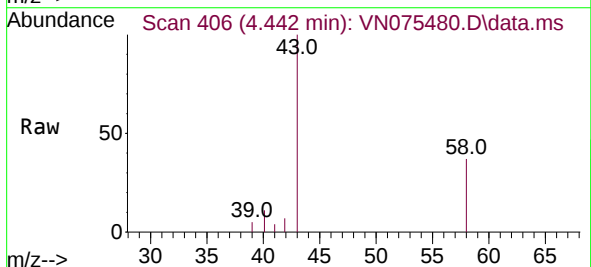
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

Tgt Ion: 59 Resp: 1242
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.705 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 43 Resp: 13145
Ion Ratio Lower Upper
43 100
58 36.8 25.5 38.3

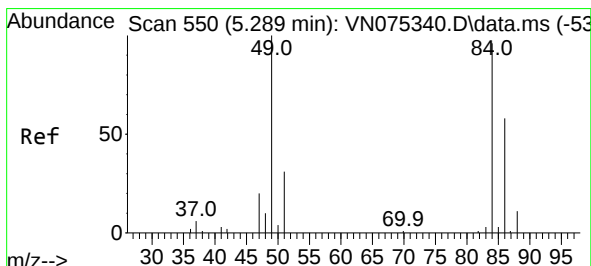
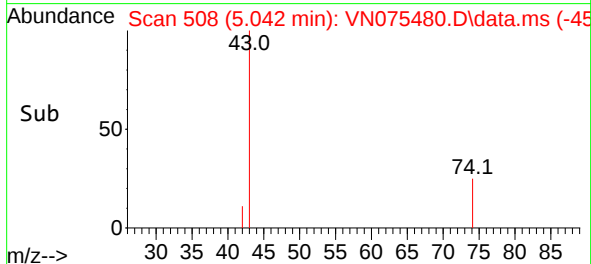
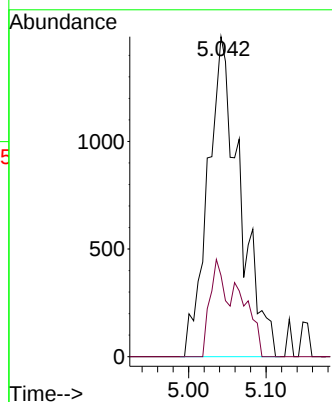
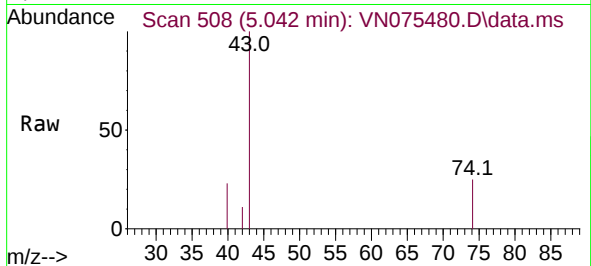




#18
Methyl Acetate
Concen: 1.291 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

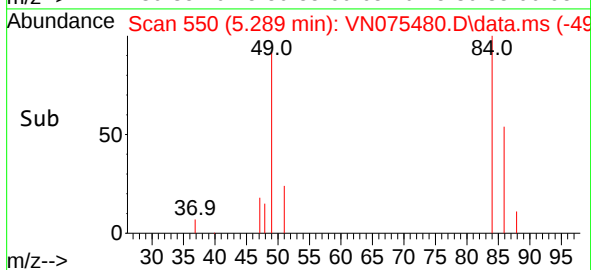
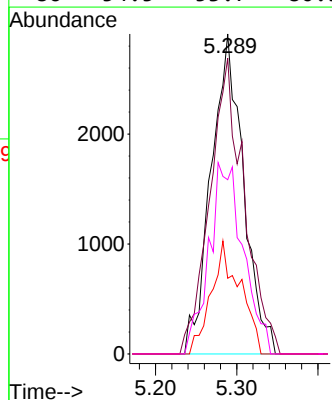
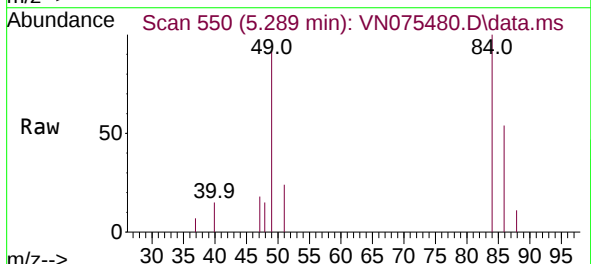
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

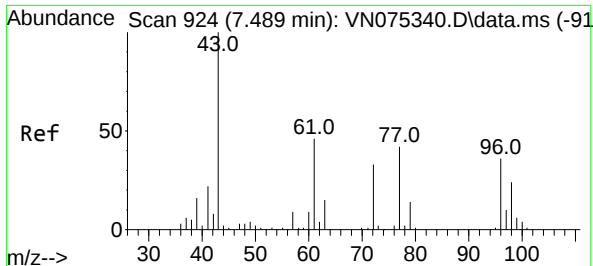
Tgt Ion: 43 Resp: 4293
Ion Ratio Lower Upper
43 100
74 15.2 22.0 33.0#



#20
Methylene Chloride
Concen: 4.790 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 84 Resp: 8044
Ion Ratio Lower Upper
84 100
49 92.5 94.9 142.3#
51 23.6 26.8 40.2#
86 54.5 53.7 80.5





#25

2-Butanone

Concen: 1.092 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN075480.D

Acq: 29 Nov 2022 16:50

Instrument :

MSVOA_N

ClientSampleId :

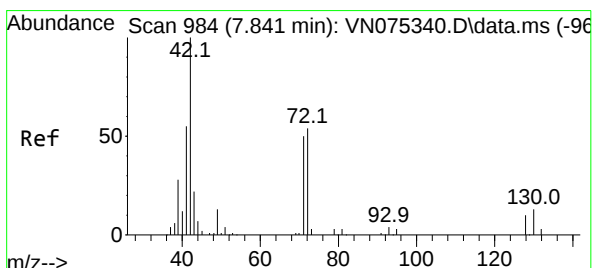
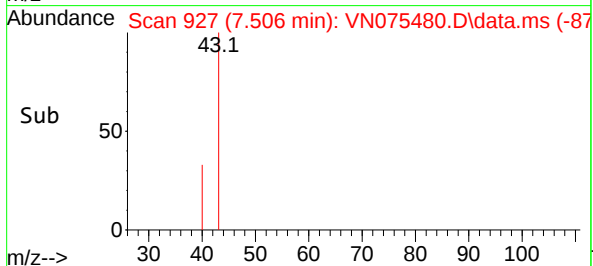
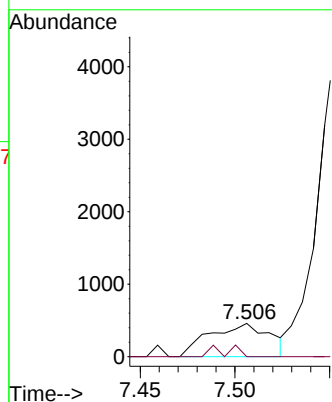
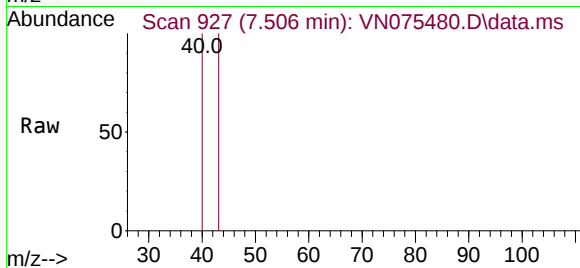
PB149314ZHE#06

Tgt Ion: 43 Resp: 1017

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.221 ug/l

RT: 7.847 min Scan# 985

Delta R.T. 0.006 min

Lab File: VN075480.D

Acq: 29 Nov 2022 16:50

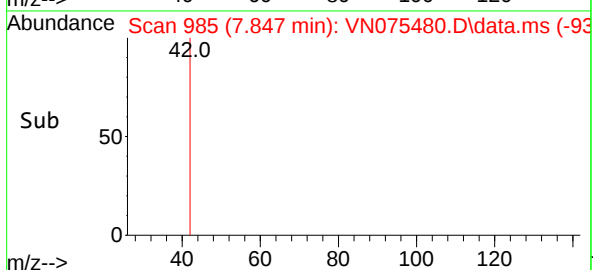
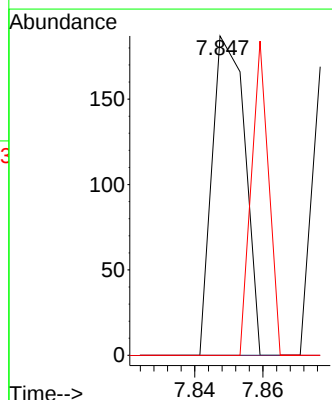
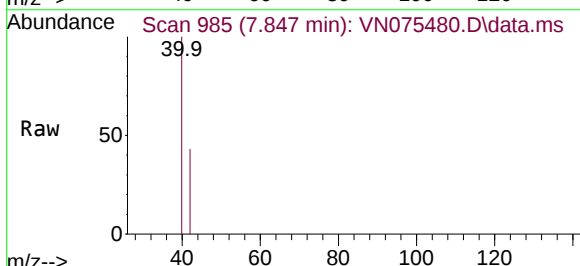
Tgt Ion: 42 Resp: 125

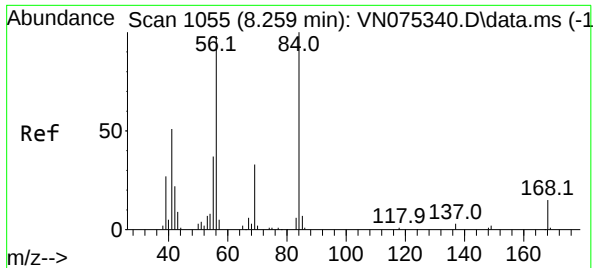
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 52.0 39.9 59.9

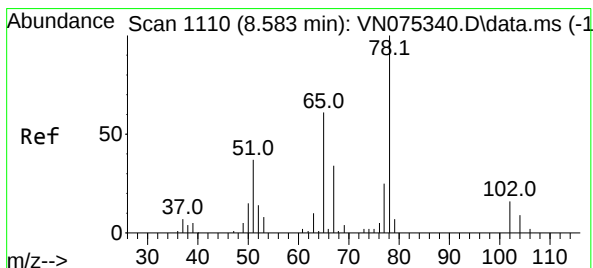
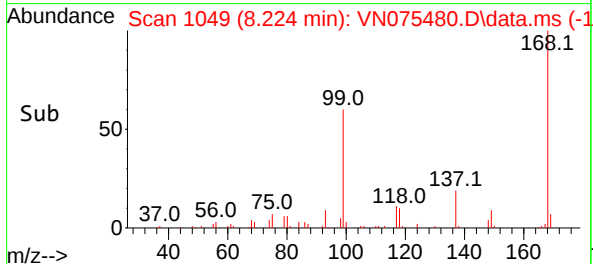
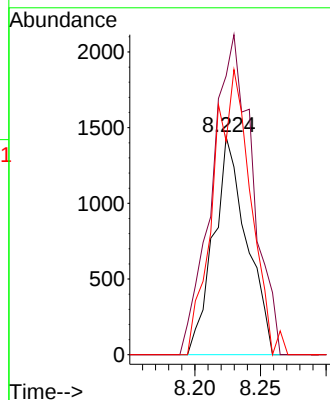
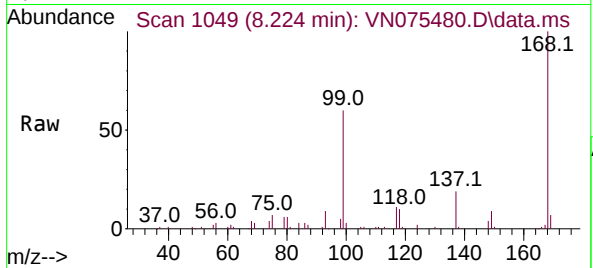




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

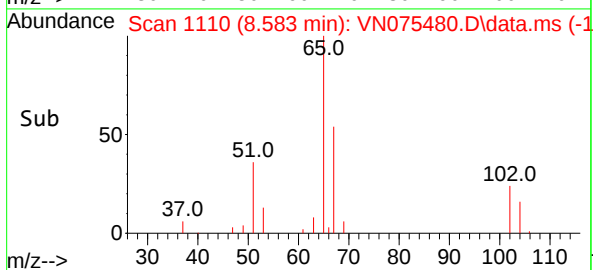
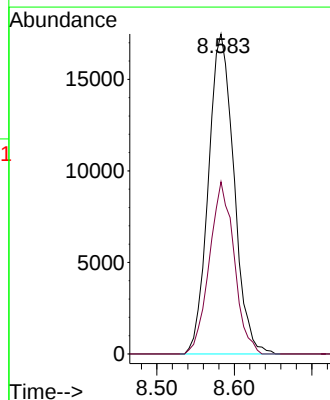
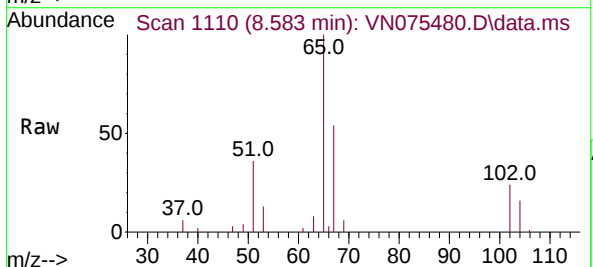
Instrument :
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PB149314ZHE#06

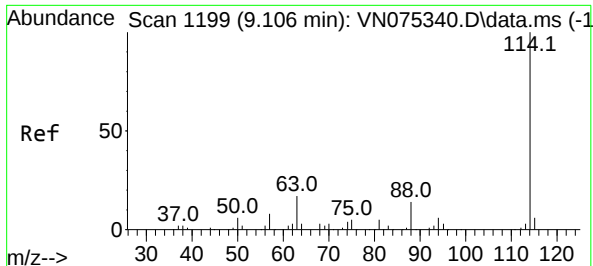
Tgt Ion: 56 Resp: 2529
Ion Ratio Lower Upper
56 100
69 127.8 25.2 37.8#
84 97.9 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 55.849 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 65 Resp: 39943
Ion Ratio Lower Upper
65 100
67 52.3 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: VN075480.D

Acq: 29 Nov 2022 16:50

Instrument :

MSVOA_N

ClientSampleId :

PB149314ZHE#06

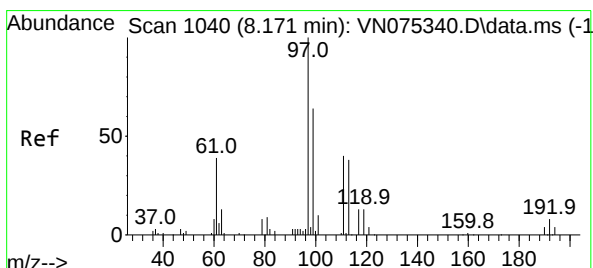
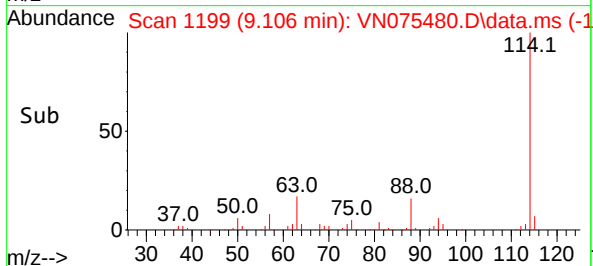
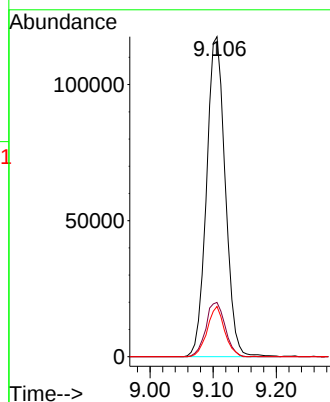
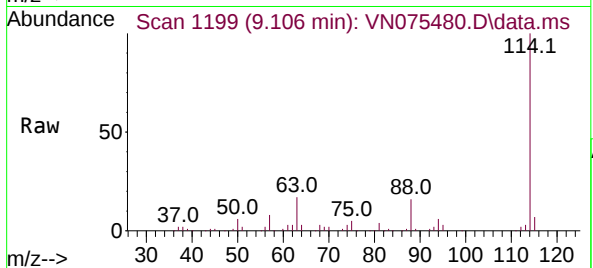
Tgt Ion:114 Resp: 241435

Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 15.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.684 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075480.D

Acq: 29 Nov 2022 16:50

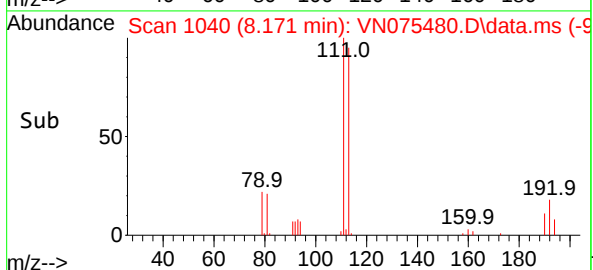
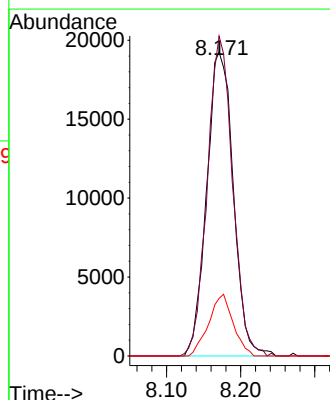
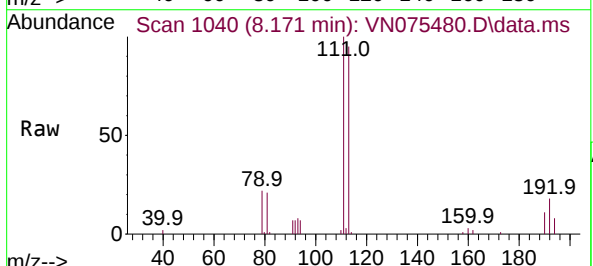
Tgt Ion:113 Resp: 48071

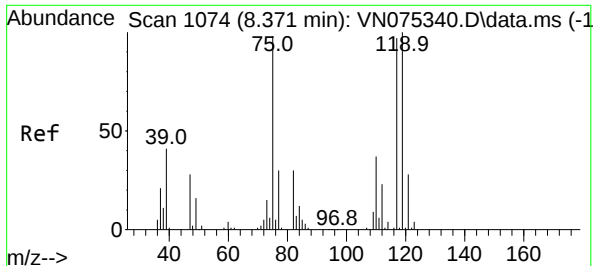
Ion Ratio Lower Upper

113 100

111 100.4 80.5 120.7

192 18.7 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.611 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075480.D

Acq: 29 Nov 2022 16:50

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ClientSampleId :

PB149314ZHE#06

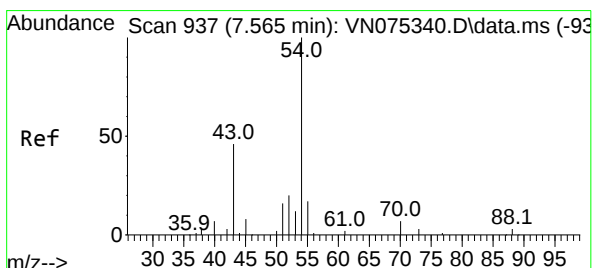
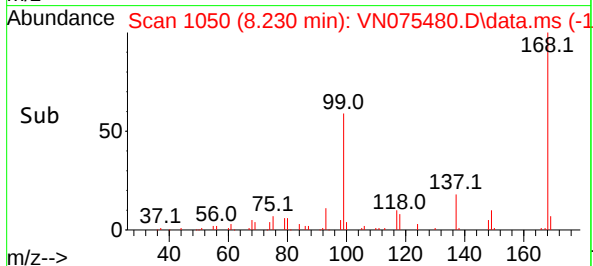
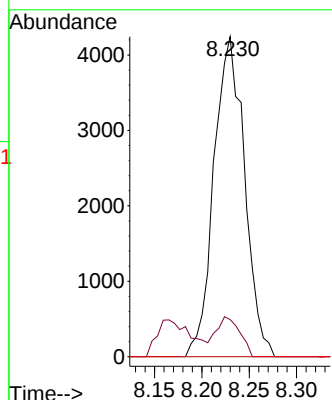
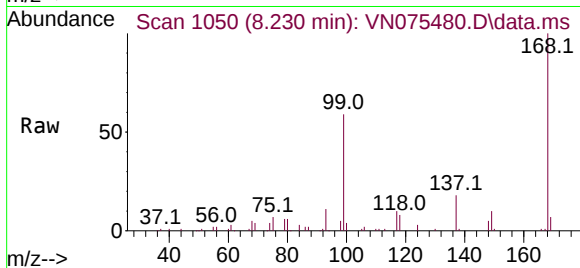
Tgt Ion: 75 Resp: 9536

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 9.505 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN075480.D

Acq: 29 Nov 2022 16:50

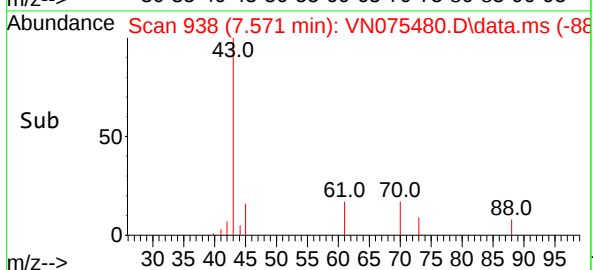
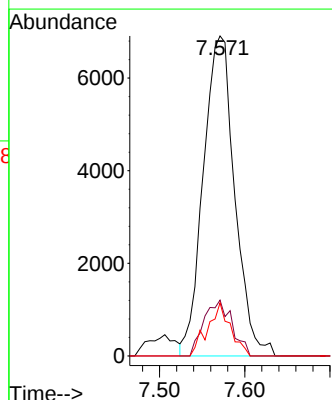
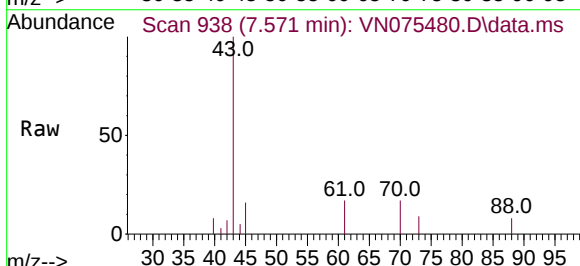
Tgt Ion: 43 Resp: 17702

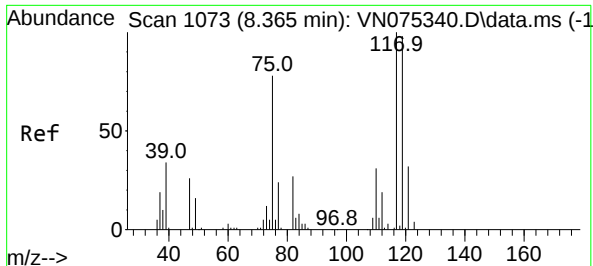
Ion Ratio Lower Upper

43 100

61 15.6 12.2 18.4

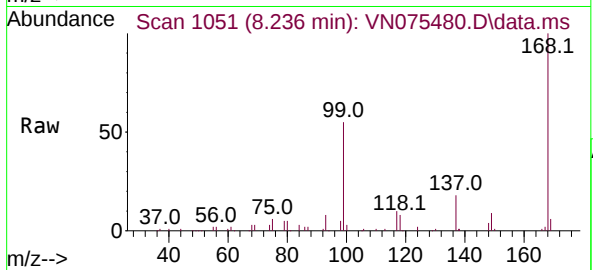
70 12.0 9.4 14.2



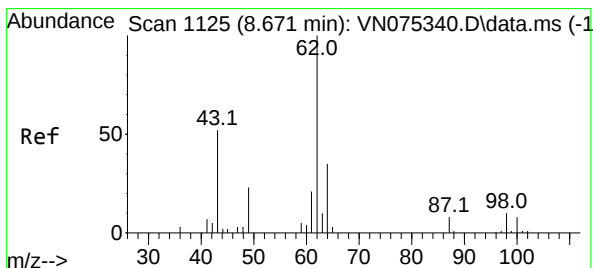
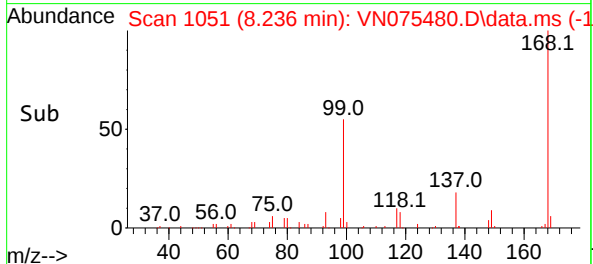
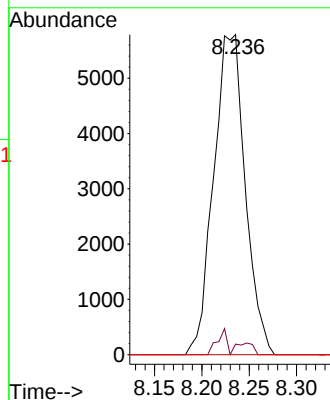


#38
Carbon Tetrachloride
Concen: 5.912 ug/l
RT: 8.236 min Scan# 1109
Delta R.T. -0.129 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

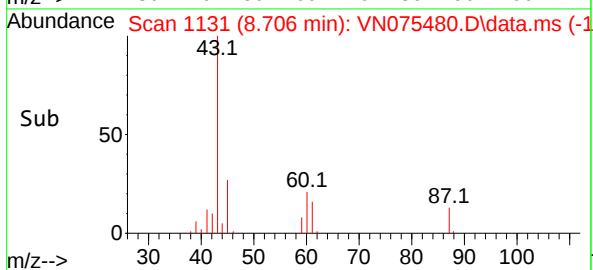
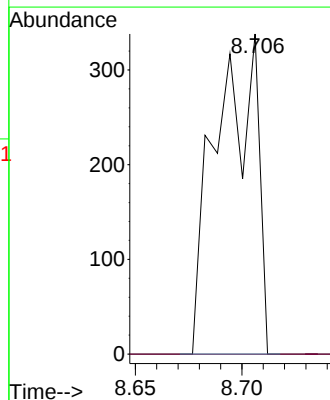
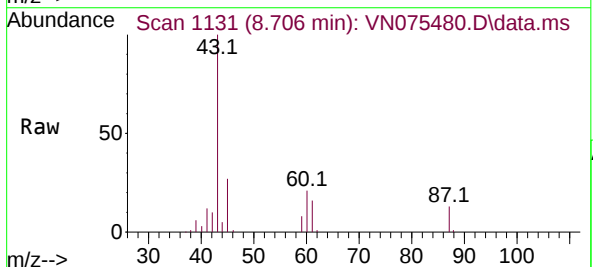


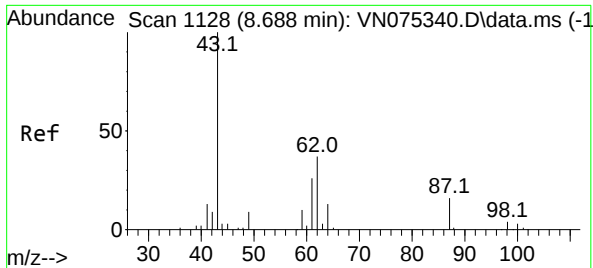
Tgt Ion:117 Resp: 13433
Ion Ratio Lower Upper
117 100
119 3.3 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 8.706 min Scan# 1131
Delta R.T. 0.035 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 62 Resp: 453
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

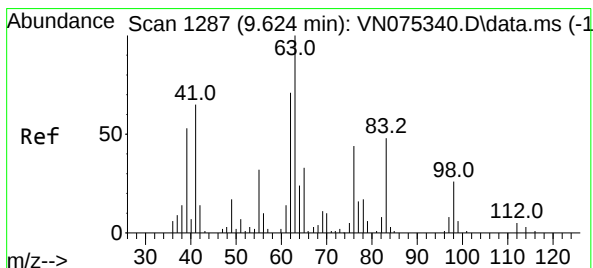
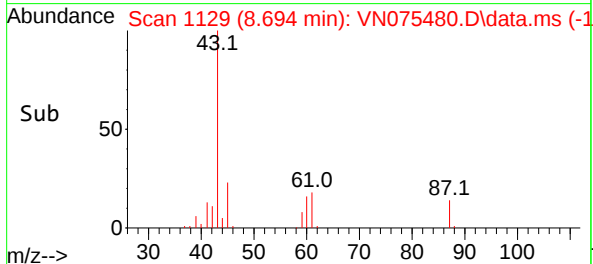
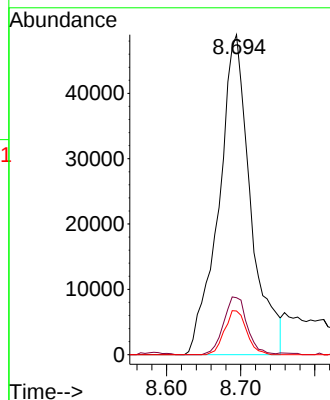
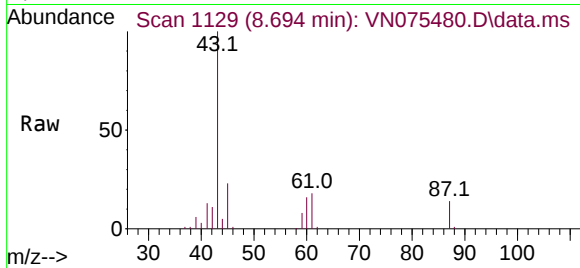




#43
Isopropyl Acetate
Concen: 48.951 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

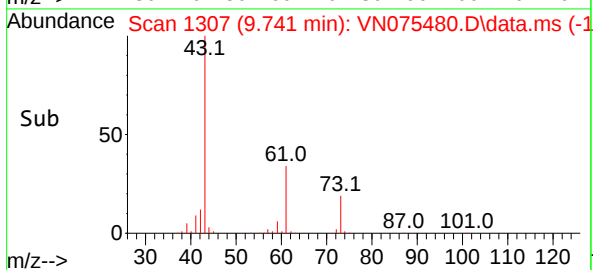
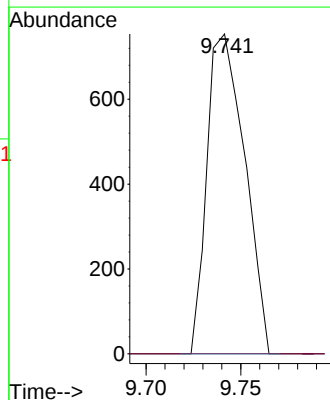
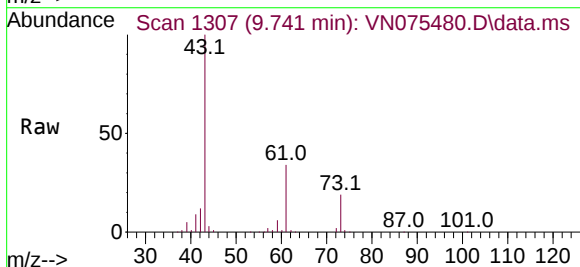
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

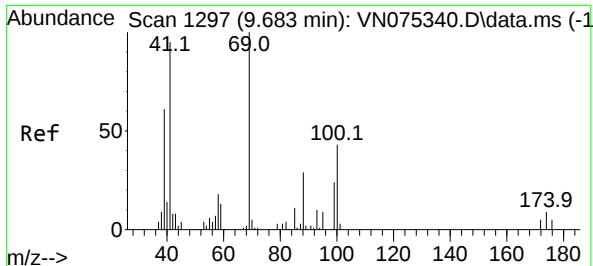
Tgt Ion: 43 Resp: 146333
Ion Ratio Lower Upper
43 100
61 13.3 22.4 33.6#
87 9.5 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.694 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 63 Resp: 1047
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

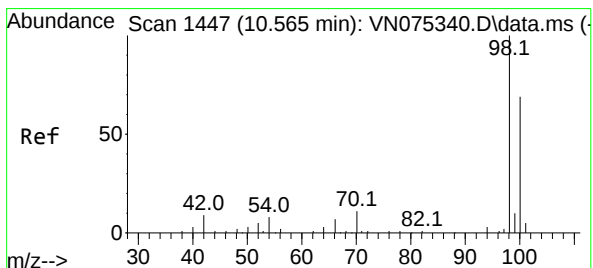
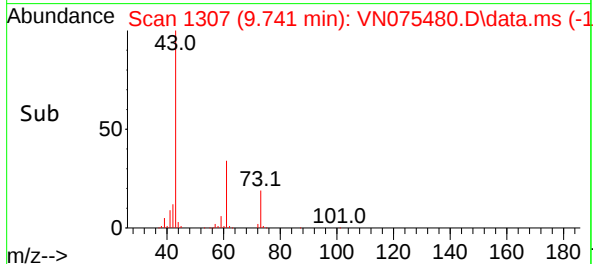
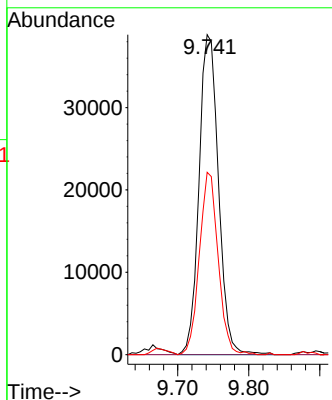
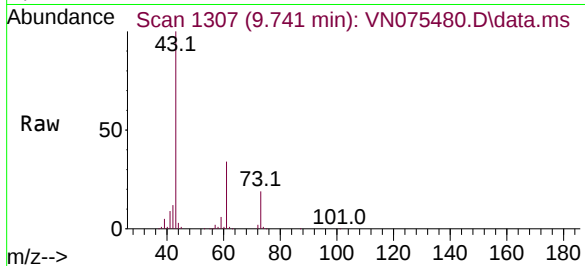




#48
Methyl methacrylate
Concen: 53.607 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.058 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

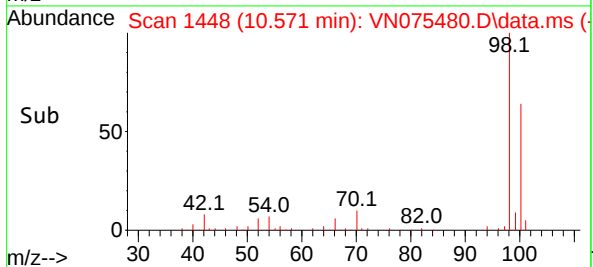
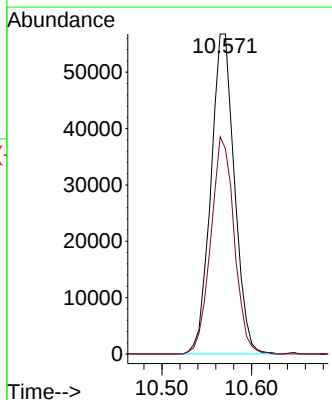
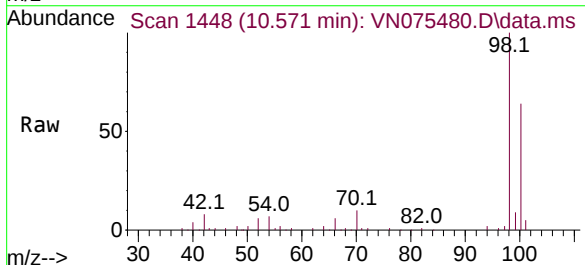
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

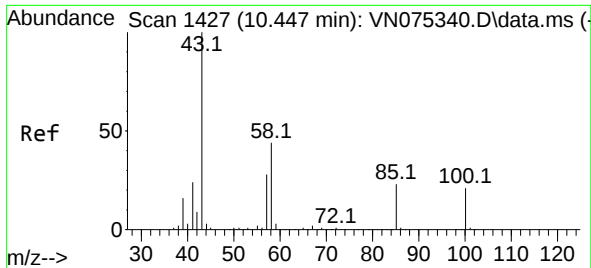
Tgt Ion: 41 Resp: 74099
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 55.0 56.2 84.2#



#50
Toluene-d8
Concen: 48.633 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 98 Resp: 103887
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.6

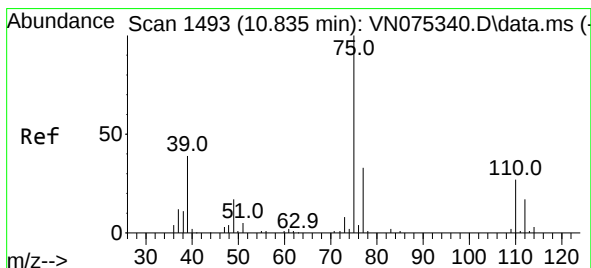
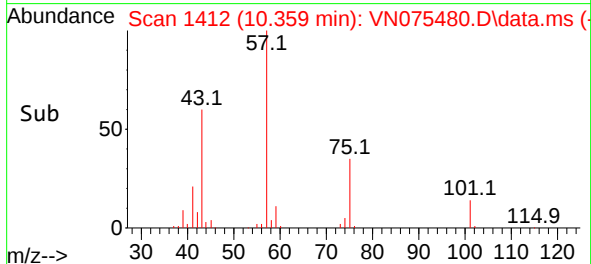
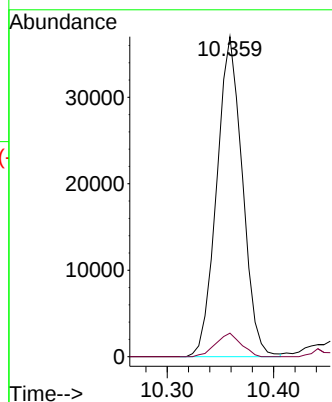
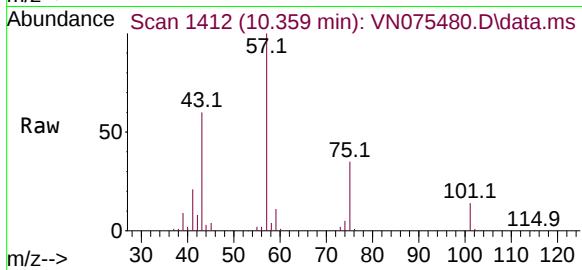




#51
4-Methyl-2-Pentanone
Concen: 32.555 ug/l
RT: 10.359 min Scan# 1427
Delta R.T. -0.088 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

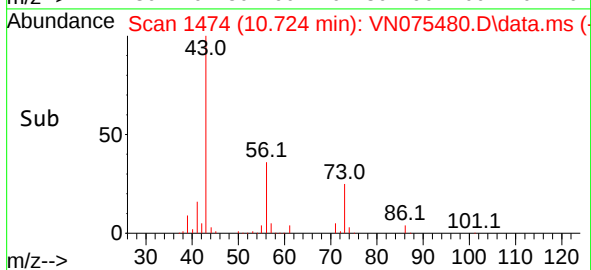
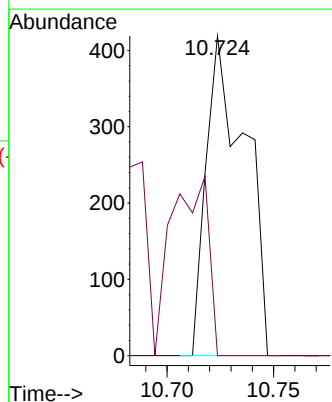
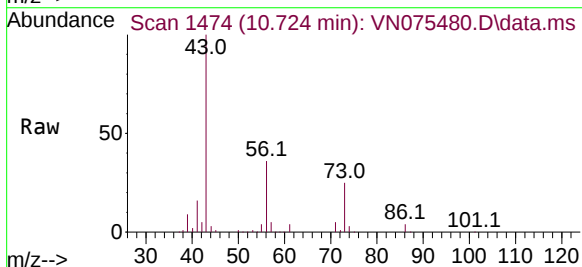
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

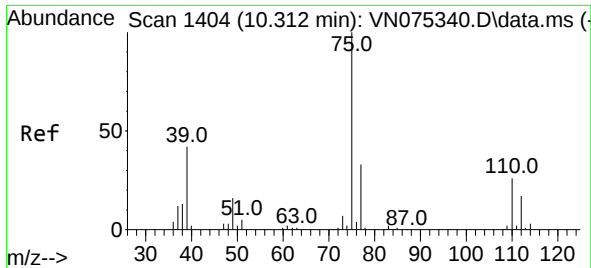
Tgt Ion: 43 Resp: 61983
Ion Ratio Lower Upper
43 100
58 7.2 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.240 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.111 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 75 Resp: 532
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

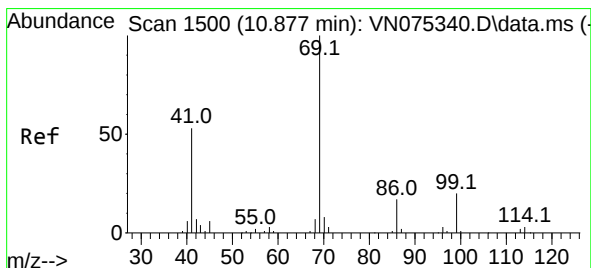
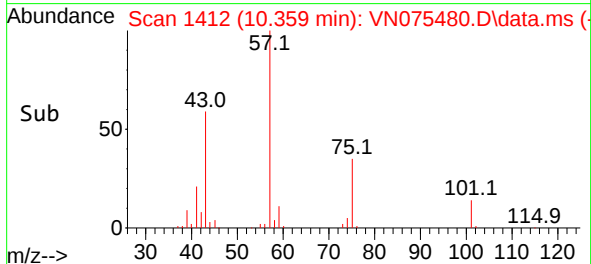
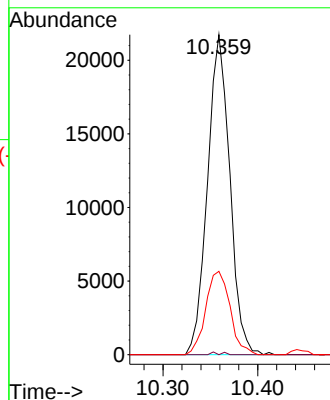
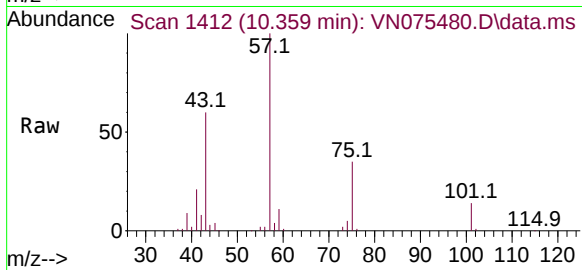




#54
 cis-1,3-Dichloropropene
 Concen: 14.755 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075480.D
 Acq: 29 Nov 2022 16:50

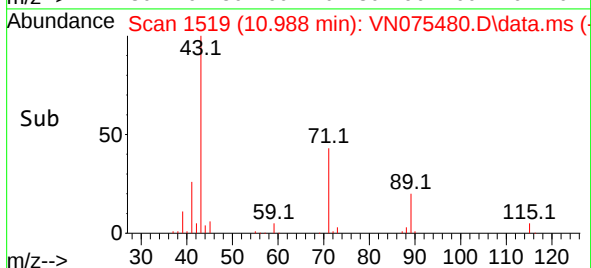
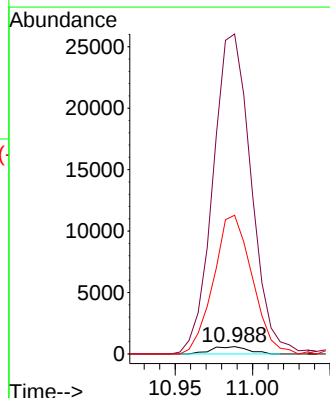
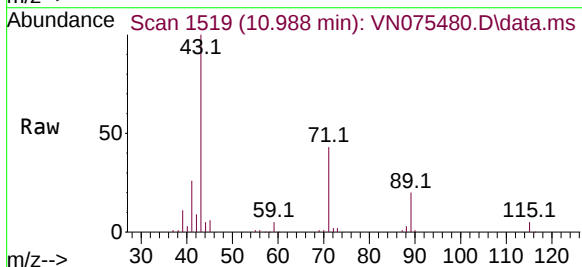
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#06

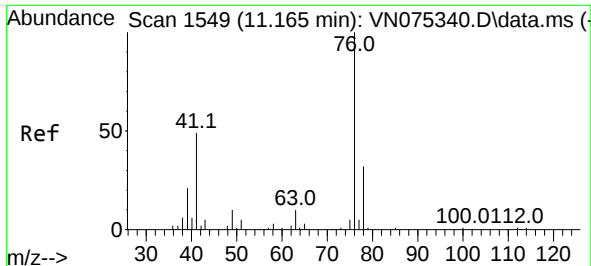
Tgt Ion: 75 Resp: 35562
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 26.1 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.439 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075480.D
 Acq: 29 Nov 2022 16:50

Tgt Ion: 69 Resp: 985
 Ion Ratio Lower Upper
 69 100
 41 4548.2 45.6 68.4#
 39 1993.1 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.714 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075480.D

Acq: 29 Nov 2022 16:50

Instrument :

MSVOA_N

ClientSampleId :

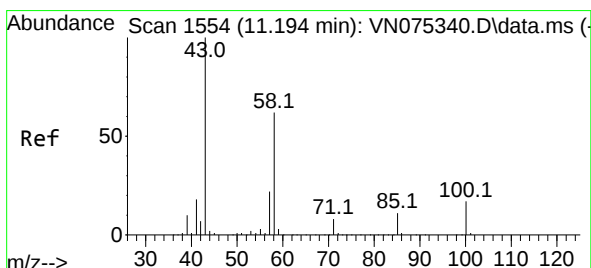
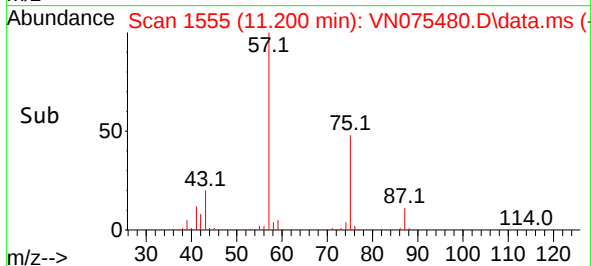
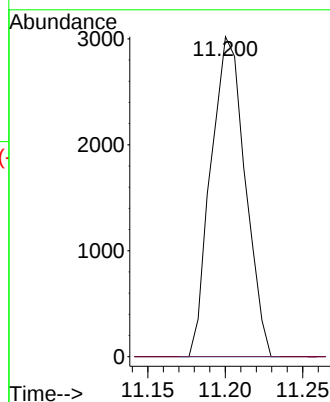
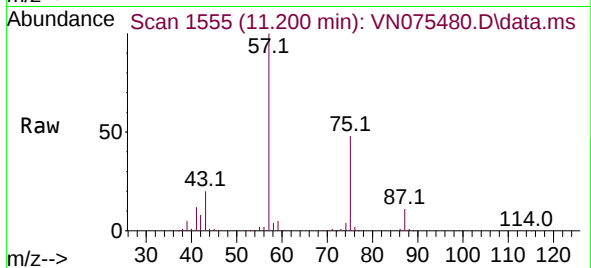
PB149314ZHE#06

Tgt Ion: 76 Resp: 4646

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 34.099 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN075480.D

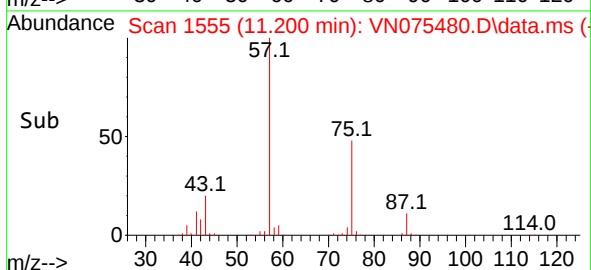
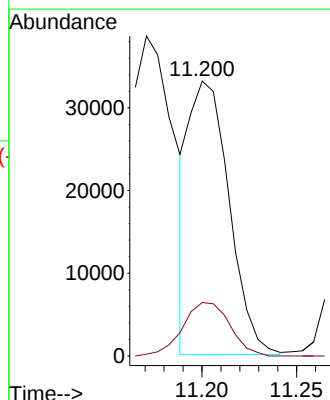
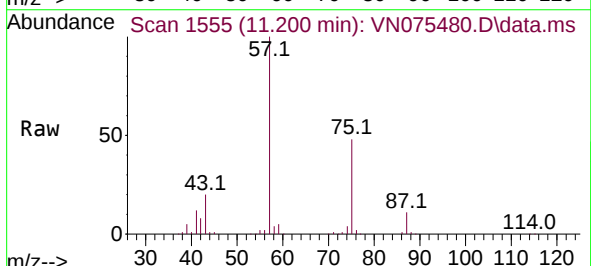
Acq: 29 Nov 2022 16:50

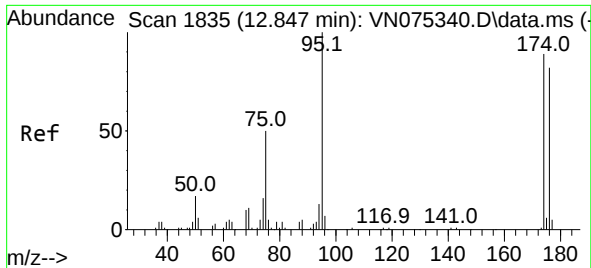
Tgt Ion: 43 Resp: 48752

Ion Ratio Lower Upper

43 100

58 23.0 29.6 88.8#

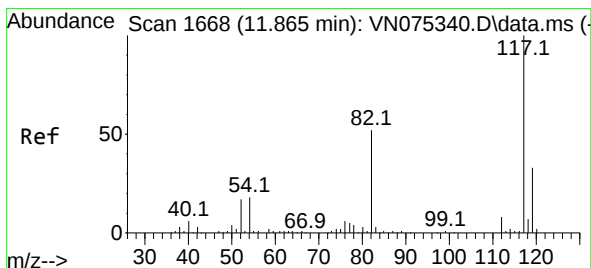
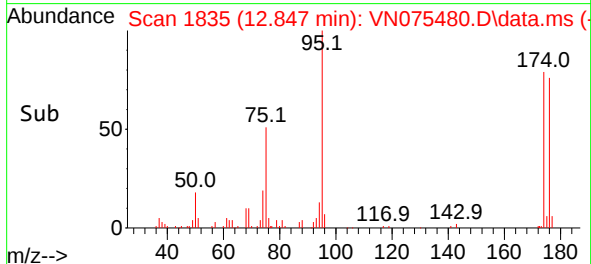
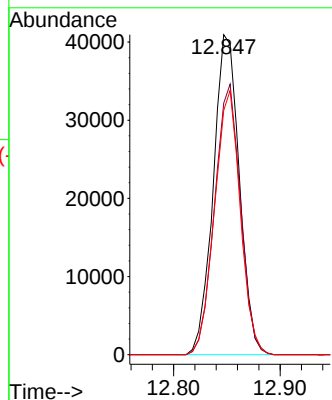
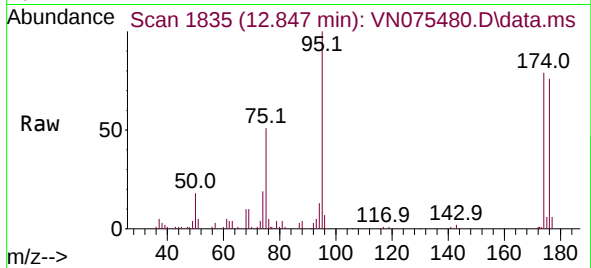




#62
4-Bromofluorobenzene
Concen: 44.106 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

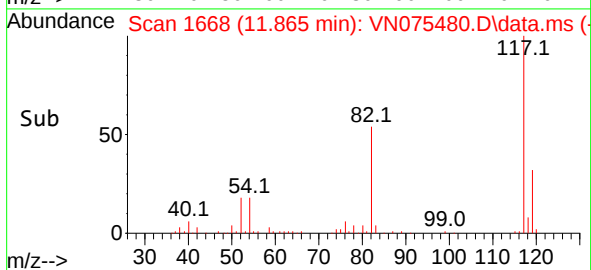
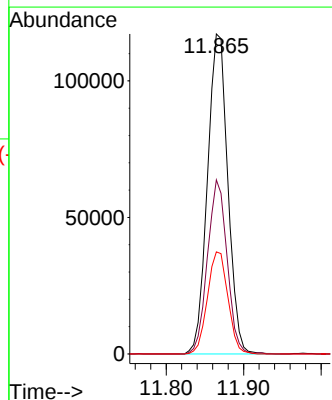
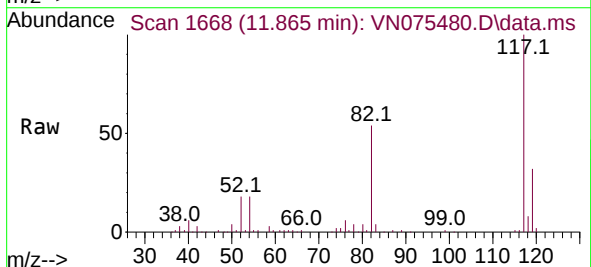
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

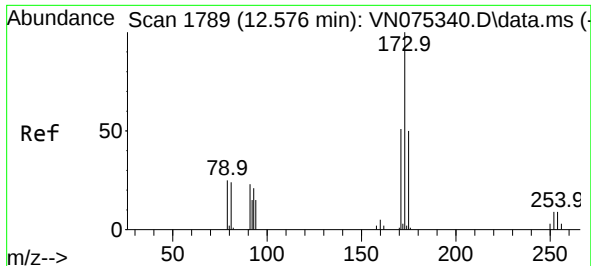
Tgt Ion: 95 Resp: 69542
Ion Ratio Lower Upper
95 100
174 84.0 0.0 147.4
176 81.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 117 Resp: 213538
Ion Ratio Lower Upper
117 100
82 54.4 43.1 64.7
119 31.9 25.5 38.3

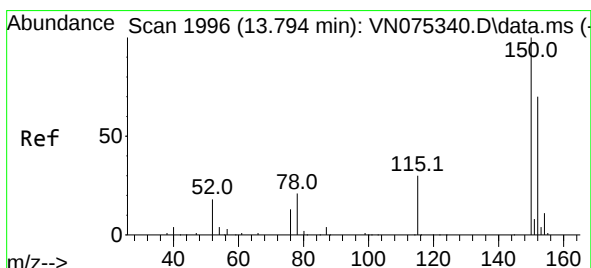
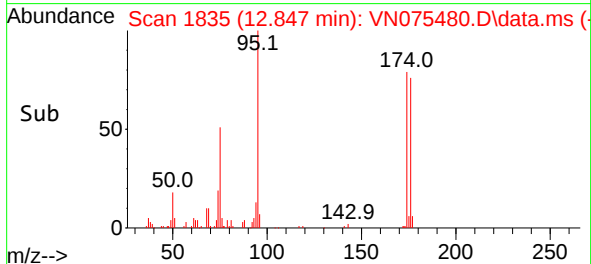
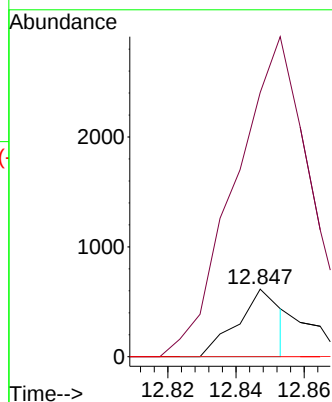
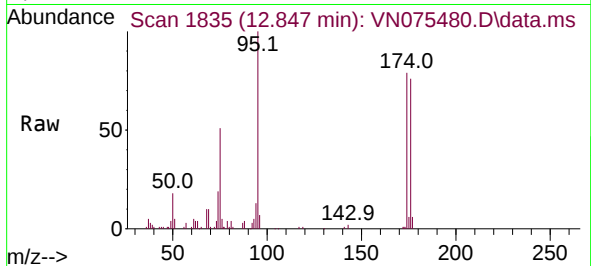




#71
Bromoform
Concen: 0.439 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

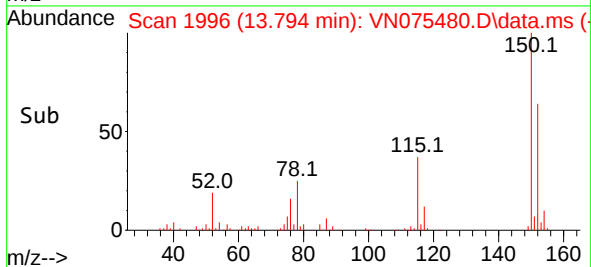
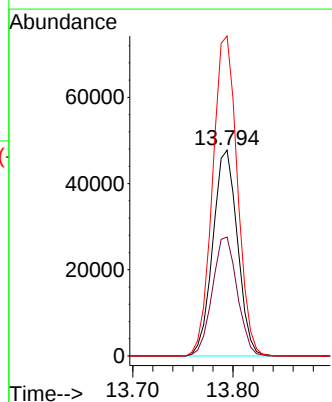
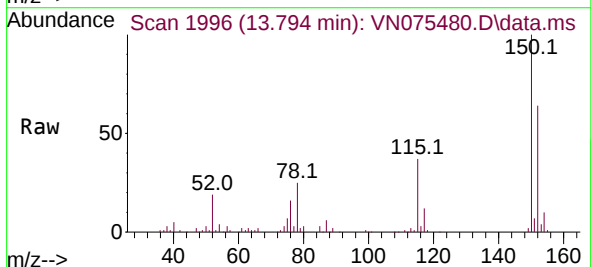
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

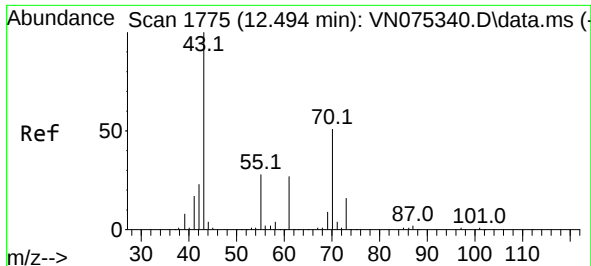
Tgt Ion:173 Resp: 550
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion:152 Resp: 81580
Ion Ratio Lower Upper
152 100
115 58.4 30.2 90.6
150 156.2 0.0 348.4

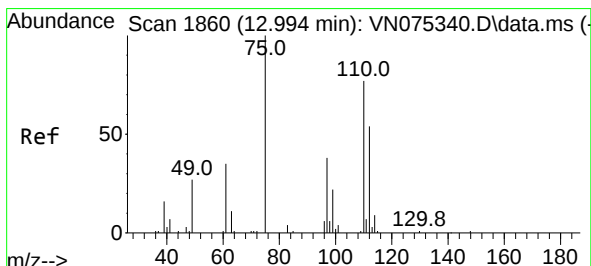
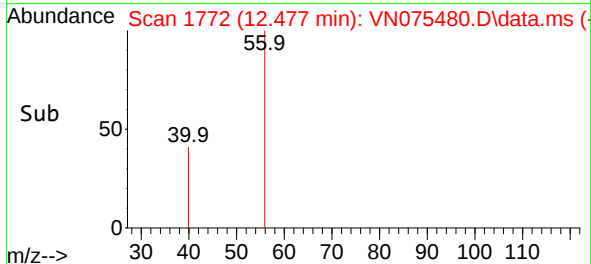
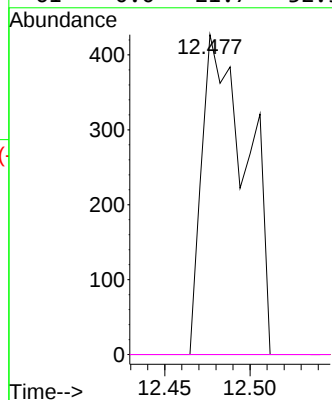
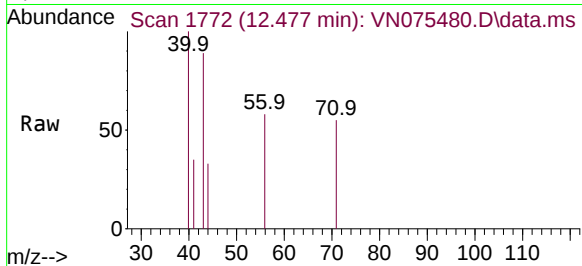




#74
N-amy1 acetate
Concen: 0.426 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

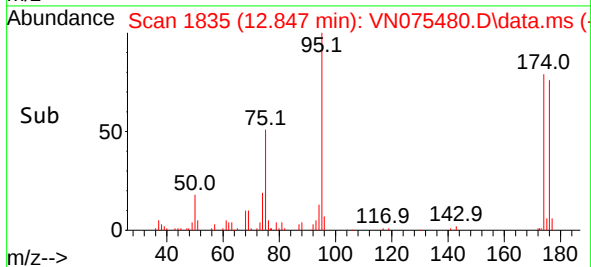
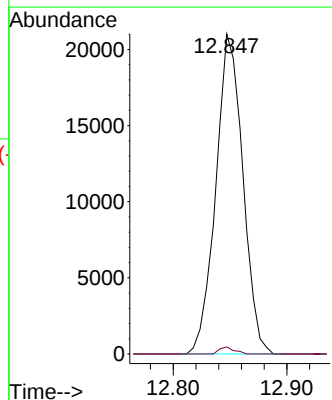
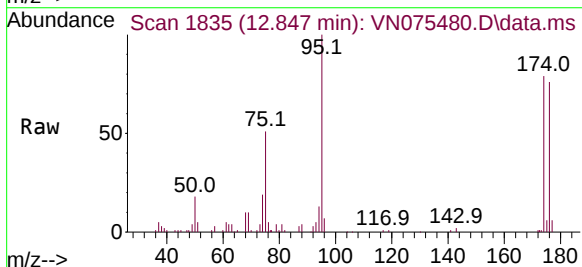
Instrument :
MSVOA_N
ClientSampleId :
PB149314ZHE#06

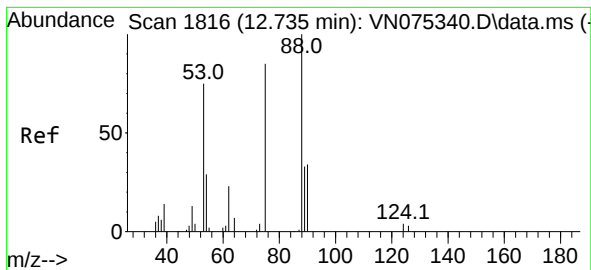
Tgt Ion: 43	Resp: 780
Ion Ratio	Lower Upper
43	100
70	0.0 39.8 59.8#
55	0.0 19.9 29.9#
61	0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 22.517 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075480.D
Acq: 29 Nov 2022 16:50

Tgt Ion: 75	Resp: 34732
Ion Ratio	Lower Upper
75	100
77	1.2 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.623 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075480.D
 Acq: 29 Nov 2022 16:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149314ZHE#06

Tgt Ion: 75 Resp: 34732
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

