

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075507.D
 Acq On : 30 Nov 2022 17:28
 Operator : JC\MD
 Sample : PB149341ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#11

Quant Time: Dec 01 02:18:02 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)

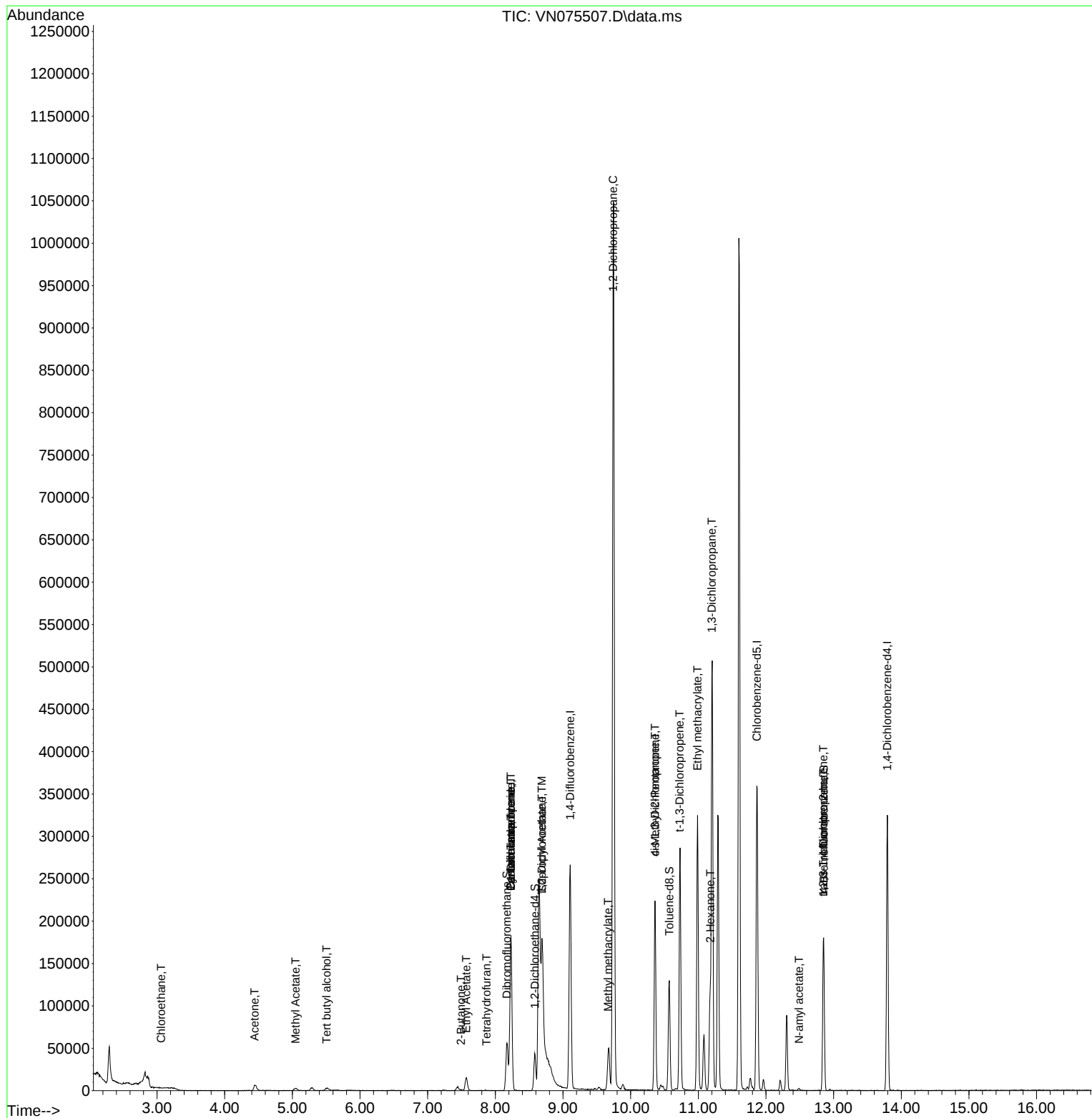
Internal Standards						
1) Pentafluorobenzene	8.230	168	137625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	243674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	35003	47.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.760%		
35) Dibromofluoromethane	8.171	113	41032	42.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.740%		
50) Toluene-d8	10.571	98	92019	42.681	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.360%#		
62) 4-Bromofluorobenzene	12.853	95	62923	39.541	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	79.080%#		
Target Compounds						Qvalue
6) Chloroethane	3.059	64	401	0.321	ug/l #	45
11) Tert butyl alcohol	5.506	59	1769	5.704	ug/l #	72
16) Acetone	4.442	43	13154	19.089	ug/l	99
18) Methyl Acetate	5.047	43	5583	1.970	ug/l	99
20) Methylene Chloride	5.277	84	1504	Below Cal	#	74
25) 2-Butanone	7.494	43	862	0.896	ug/l	95
29) Tetrahydrofuran	7.871	42	447	0.764	ug/l #	57
31) Cyclohexane	8.230	56	2511	1.070	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	10712	5.131	ug/l #	48
37) Ethyl Acetate	7.571	43	22555	12.000	ug/l	100
38) Carbon Tetrachloride	8.230	117	14618	6.375	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	853	0.399	ug/l #	75
43) Isopropyl Acetate	8.688	43	259069	85.868	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1216	0.798	ug/l #	42
48) Methyl methacrylate	9.665	41	2765	1.982	ug/l #	6
51) 4-Methyl-2-Pentanone	10.359	43	77021	40.081	ug/l #	45
53) t-1,3-Dichloropropene	10.724	75	802	0.358	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	43047	17.696	ug/l #	64
56) Ethyl methacrylate	10.988	69	1250	0.552	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5904	2.159	ug/l #	42
59) 2-Hexanone	11.176	43	82440	57.133	ug/l #	21
74) N-amyl acetate	12.488	43	1234	0.596	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	31675	18.182	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	31675	53.795	ug/l #	10

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

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

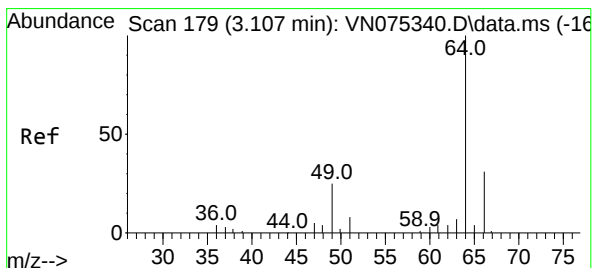
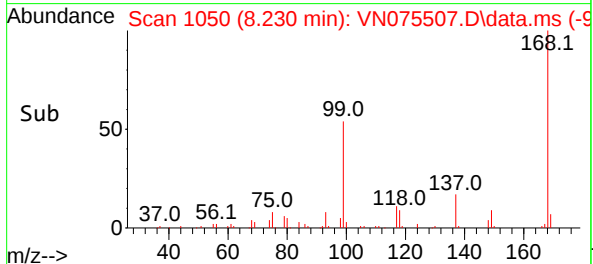
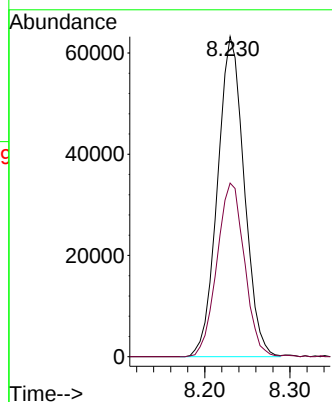
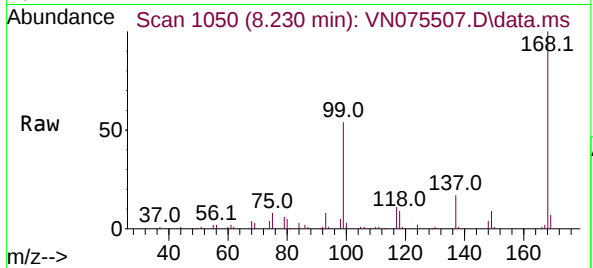




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

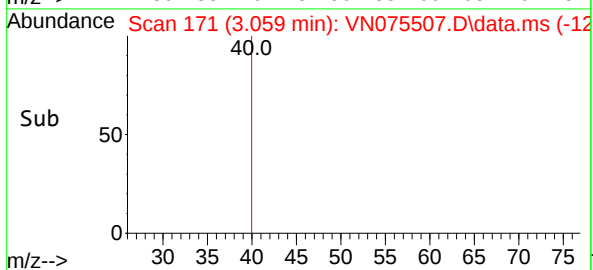
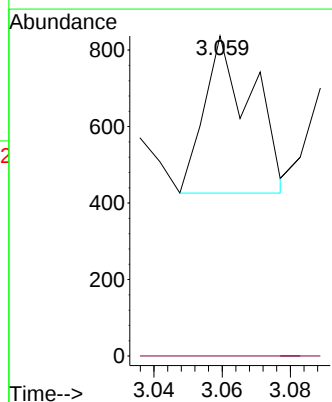
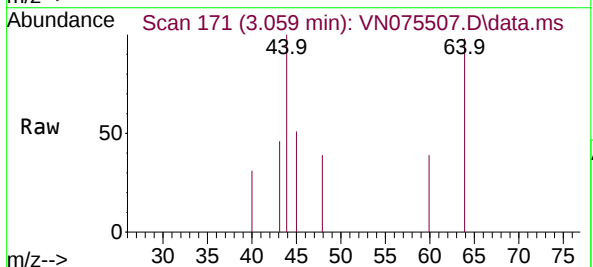
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

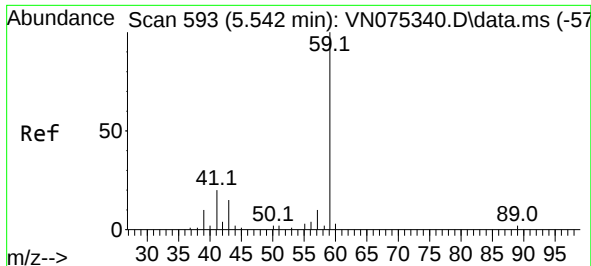
Tgt Ion:168 Resp: 137625
Ion Ratio Lower Upper
168 100
99 54.2 51.6 77.4



#6
Chloroethane
Concen: 0.321 ug/l
RT: 3.059 min Scan# 171
Delta R.T. -0.048 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 64 Resp: 401
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 5.704 ug/l

RT: 5.506 min Scan# 59

Delta R.T. -0.036 min

Lab File: VN075507.D

Acq: 30 Nov 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

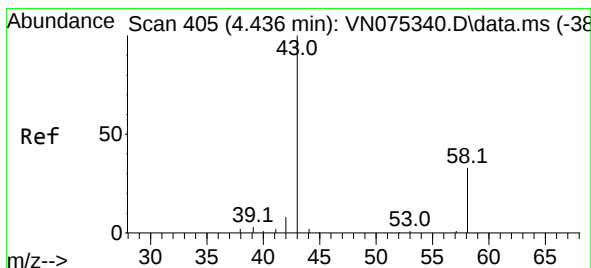
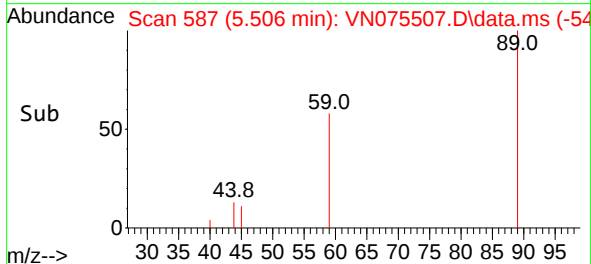
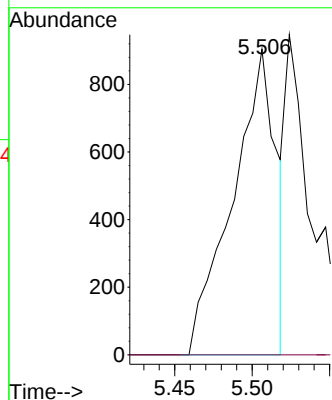
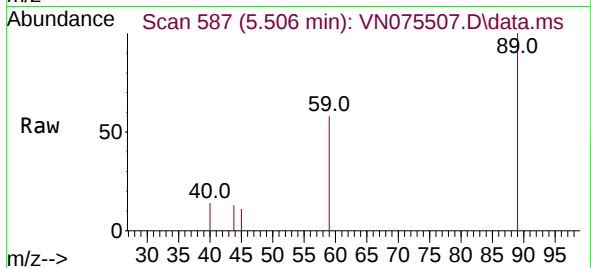
PB149341ZHE#11

Tgt Ion: 59 Resp: 1769

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 19.089 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075507.D

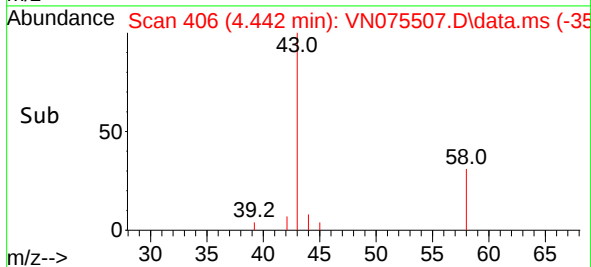
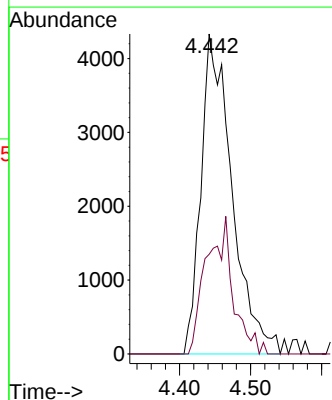
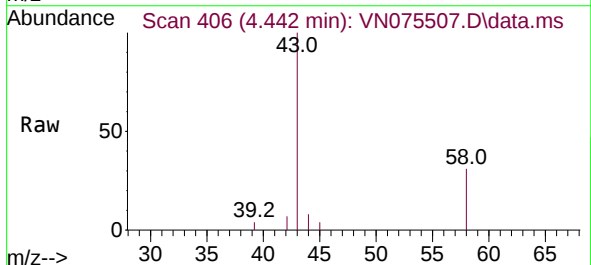
Acq: 30 Nov 2022 17:28

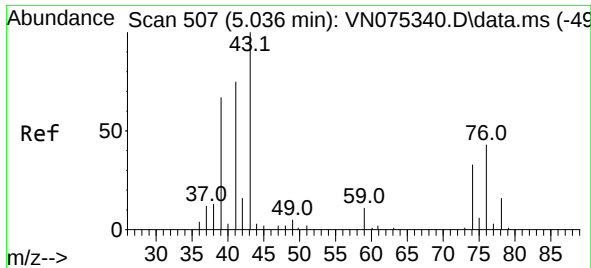
Tgt Ion: 43 Resp: 13154

Ion Ratio Lower Upper

43 100

58 31.1 25.5 38.3

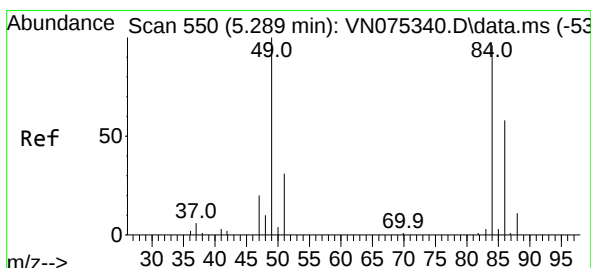
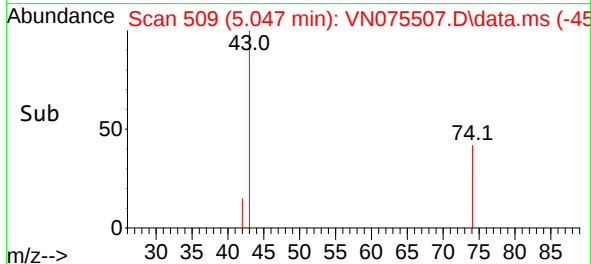
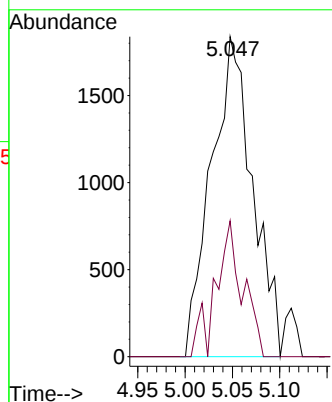
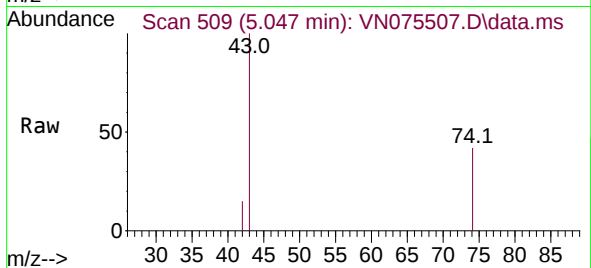




#18
Methyl Acetate
Concen: 1.970 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

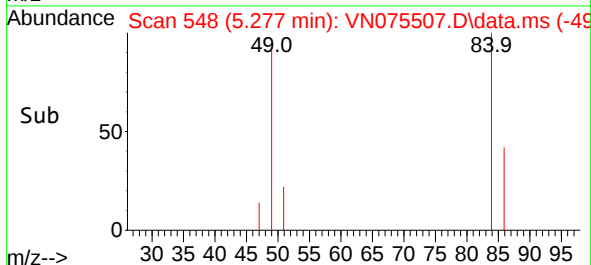
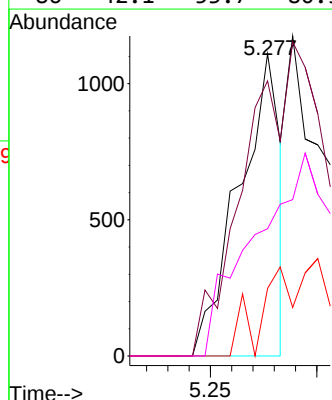
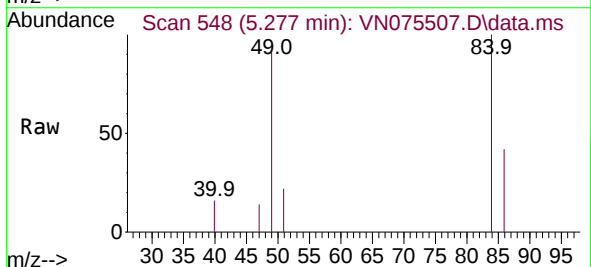
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

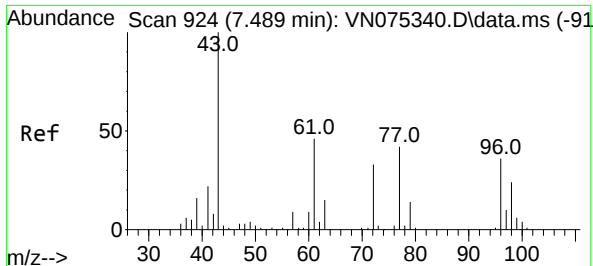
Tgt Ion: 43 Resp: 5583
Ion Ratio Lower Upper
43 100
74 27.9 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 84 Resp: 1504
Ion Ratio Lower Upper
84 100
49 91.0 94.9 142.3#
51 22.3 26.8 40.2#
86 42.1 53.7 80.5#





#25

2-Butanone

Concen: 0.896 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075507.D

Acq: 30 Nov 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

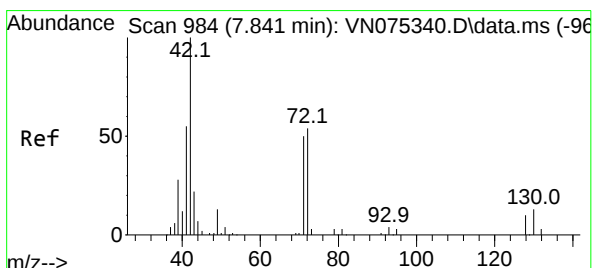
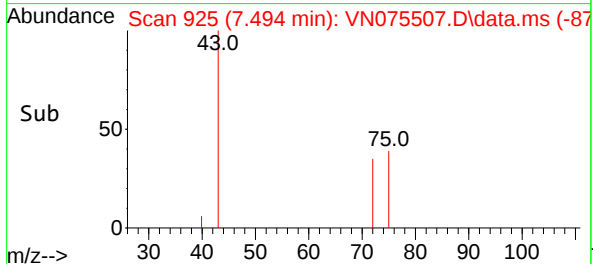
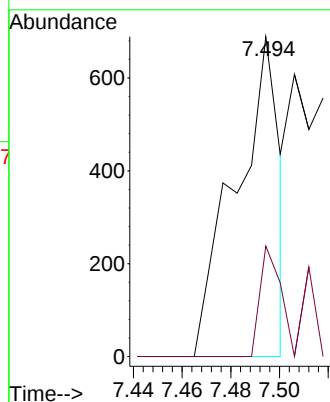
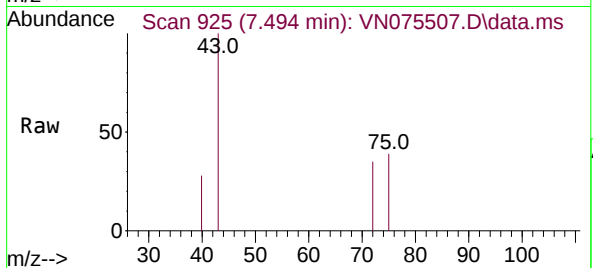
PB149341ZHE#11

Tgt Ion: 43 Resp: 862

Ion Ratio Lower Upper

43 100

72 34.5 25.5 38.3



#29

Tetrahydrofuran

Concen: 0.764 ug/l

RT: 7.871 min Scan# 989

Delta R.T. 0.030 min

Lab File: VN075507.D

Acq: 30 Nov 2022 17:28

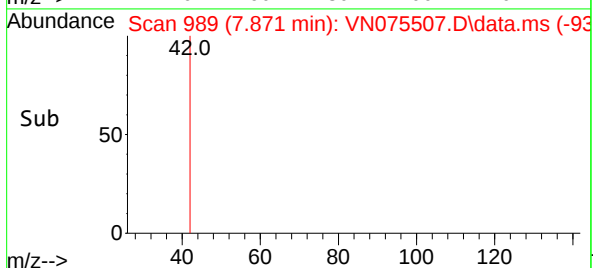
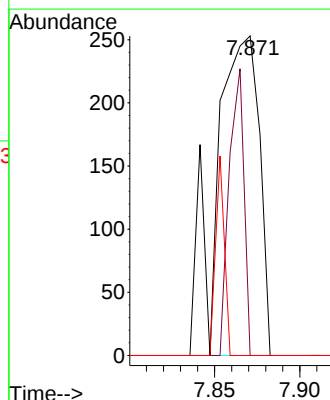
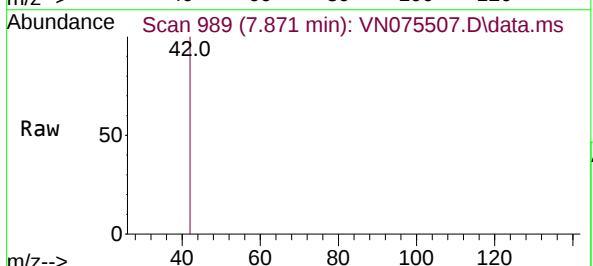
Tgt Ion: 42 Resp: 447

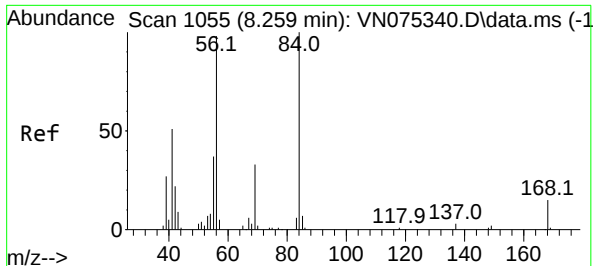
Ion Ratio Lower Upper

42 100

72 30.6 43.0 64.6#

71 12.5 39.9 59.9#





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 8.230 min Scan# 1105

Delta R.T. -0.029 min

Lab File: VN075507.D

Acq: 30 Nov 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#11

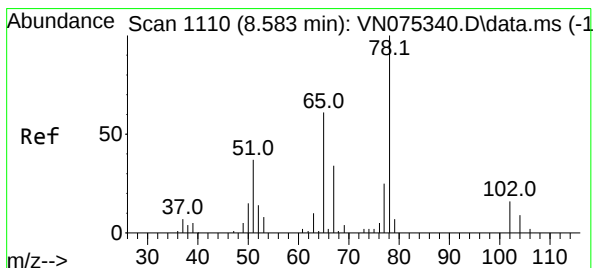
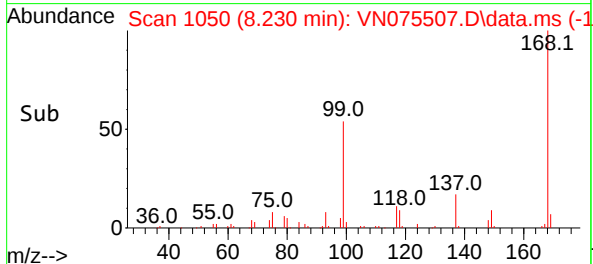
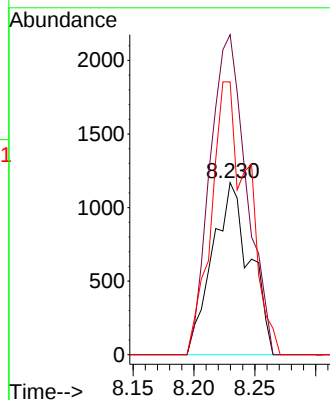
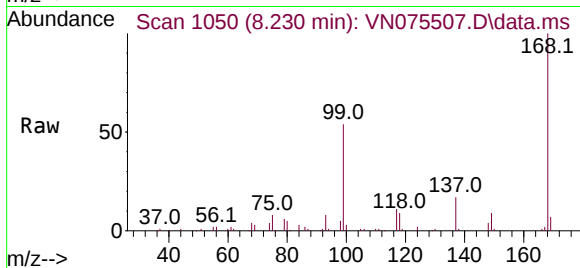
Tgt Ion: 56 Resp: 2511

Ion Ratio Lower Upper

56 100

69 186.1 25.2 37.8#

84 158.6 77.8 116.8#



#33

1,2-Dichloroethane-d4

Concen: 47.381 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075507.D

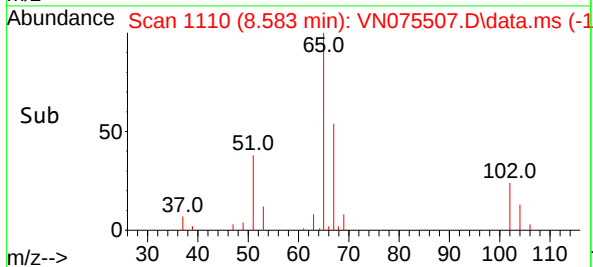
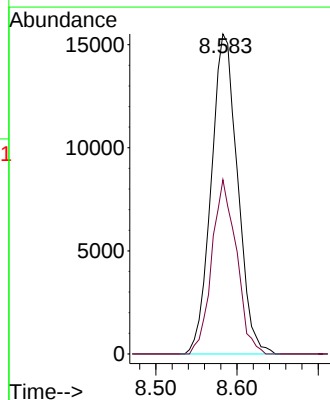
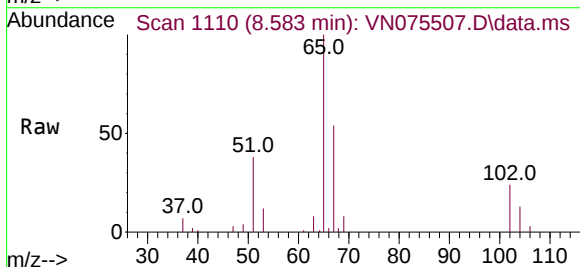
Acq: 30 Nov 2022 17:28

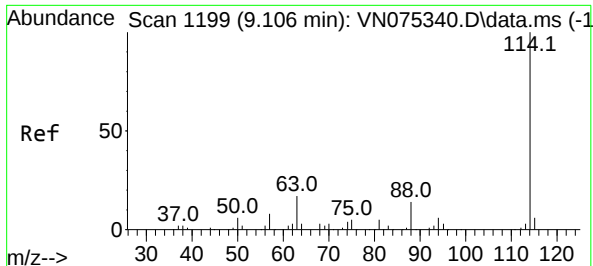
Tgt Ion: 65 Resp: 35003

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075507.D

Acq: 30 Nov 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#11

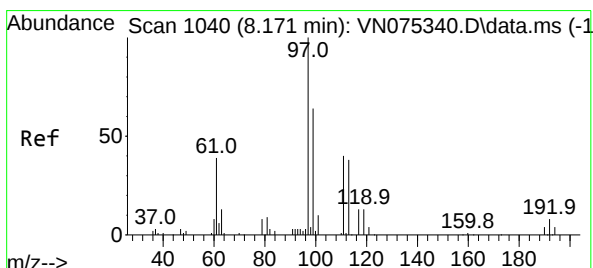
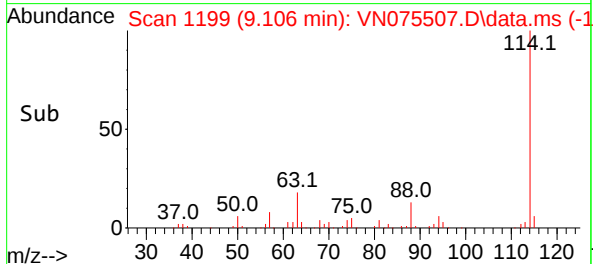
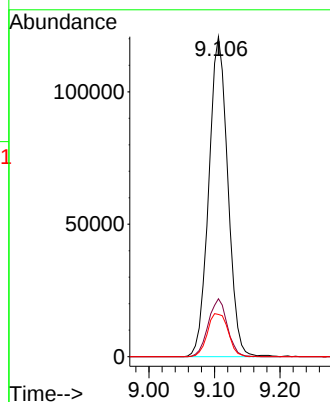
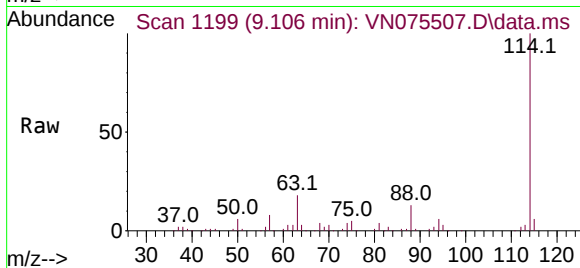
Tgt Ion:114 Resp: 243674

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 13.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 42.865 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075507.D

Acq: 30 Nov 2022 17:28

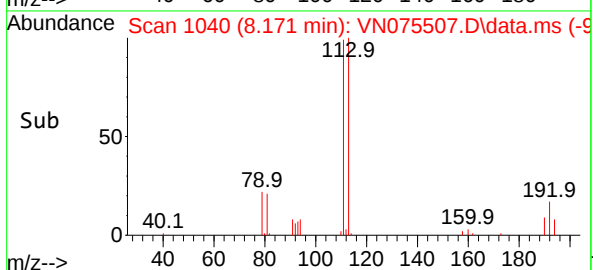
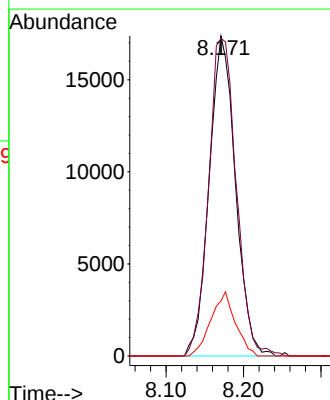
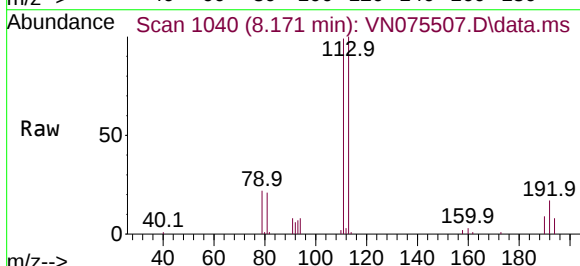
Tgt Ion:113 Resp: 41032

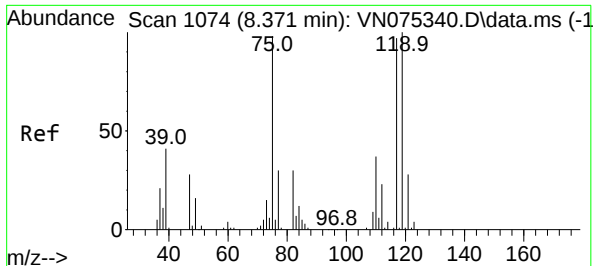
Ion Ratio Lower Upper

113 100

111 104.3 80.5 120.7

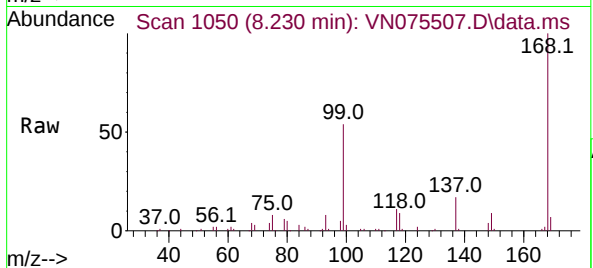
192 18.7 13.2 19.8



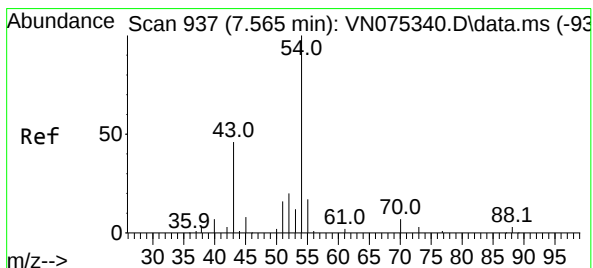
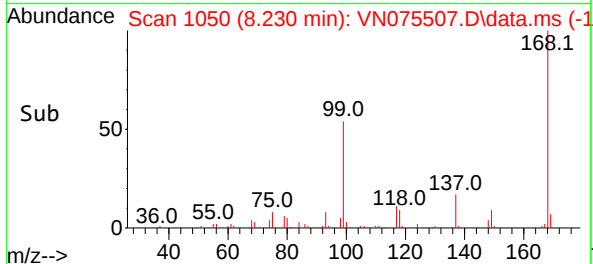
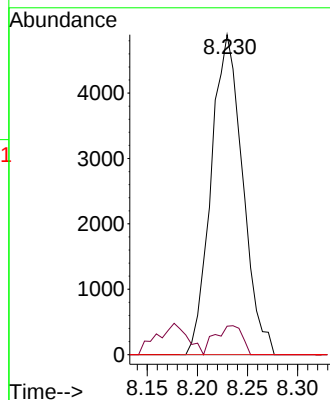


#36
1,1-Dichloropropene
Concen: 5.131 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

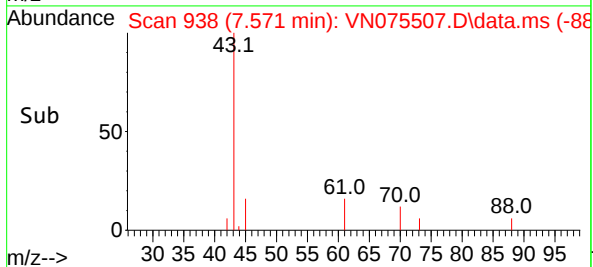
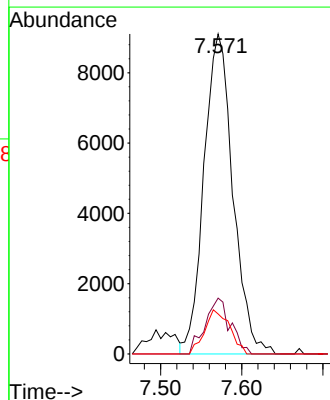
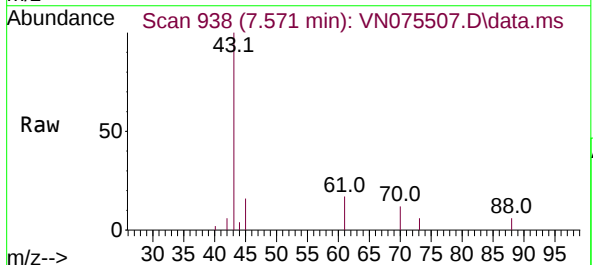


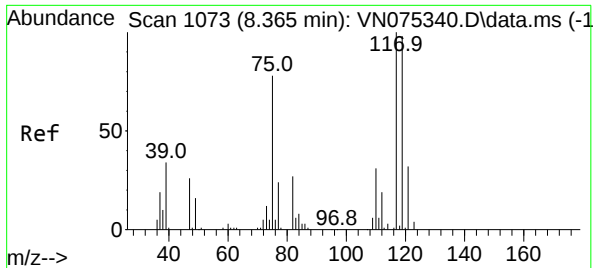
Tgt Ion: 75 Resp: 10712
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 12.000 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

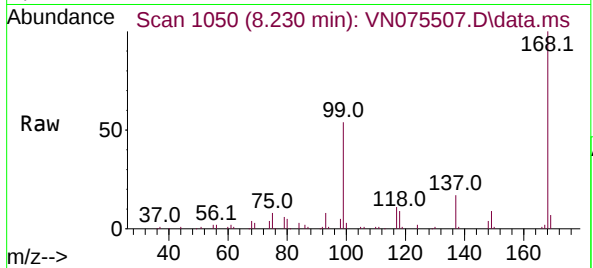
Tgt Ion: 43 Resp: 22555
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.4
70 11.9 9.4 14.2



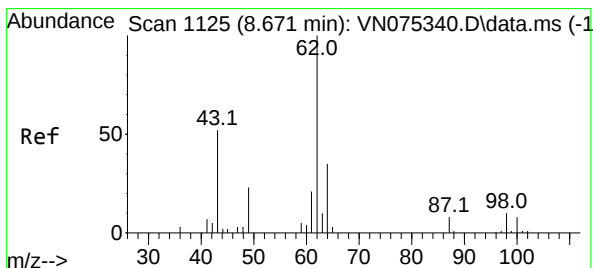
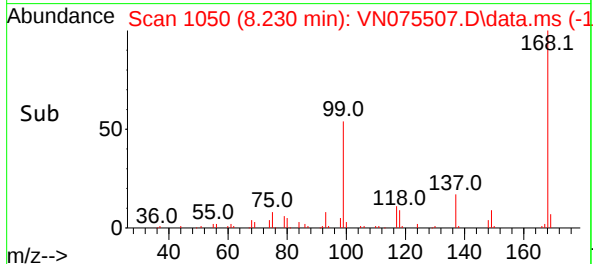
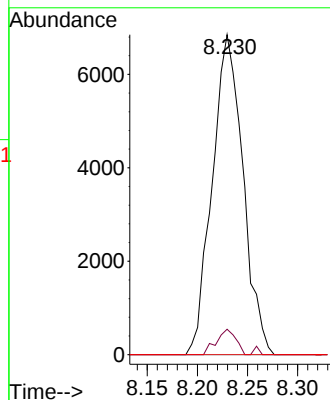


#38
Carbon Tetrachloride
Concen: 6.375 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

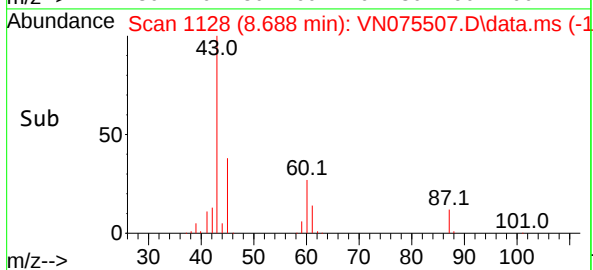
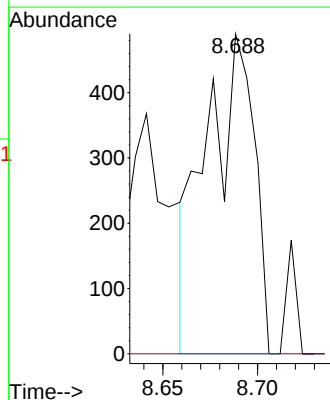
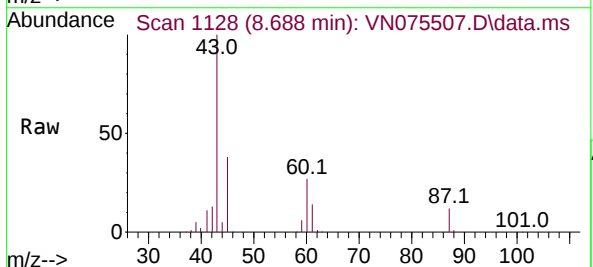


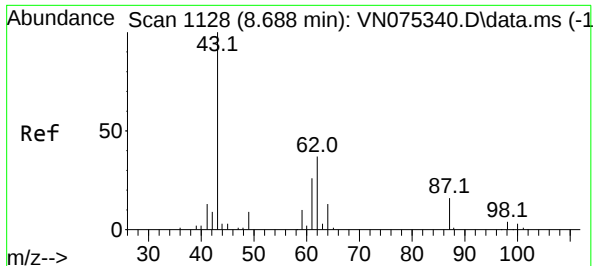
Tgt Ion:117 Resp: 14618
Ion Ratio Lower Upper
117 100
119 7.9 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.399 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 62 Resp: 853
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

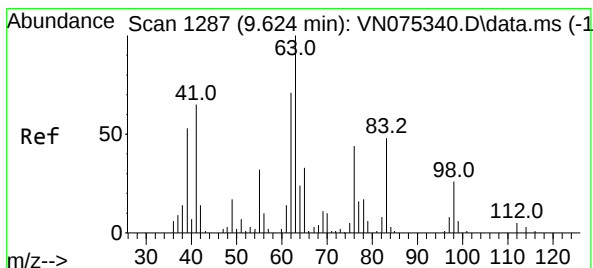
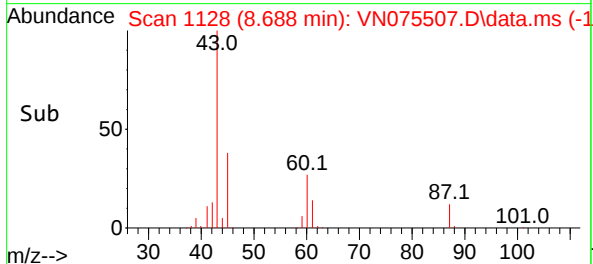
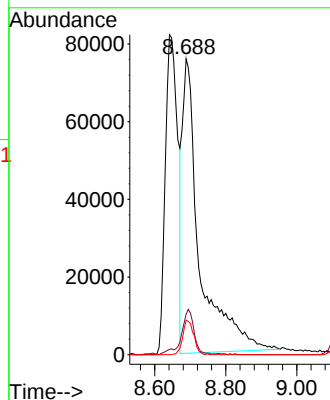
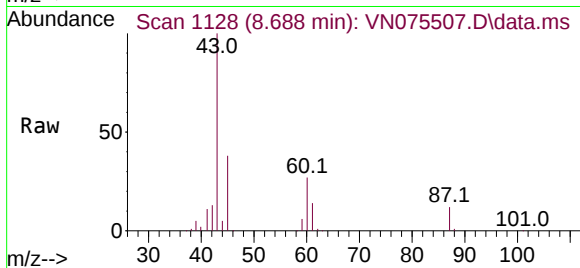




#43
Isopropyl Acetate
Concen: 85.868 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

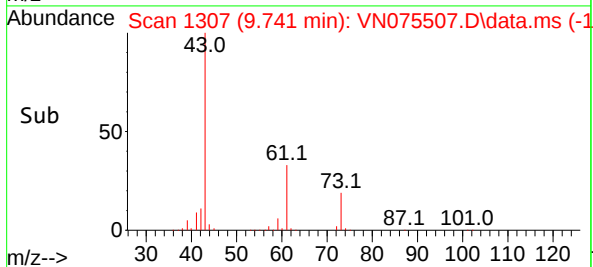
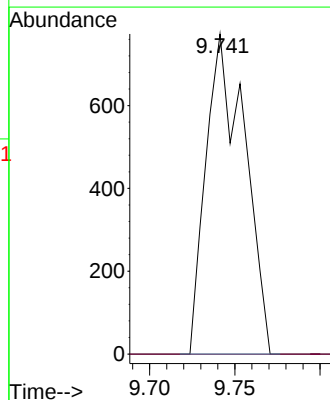
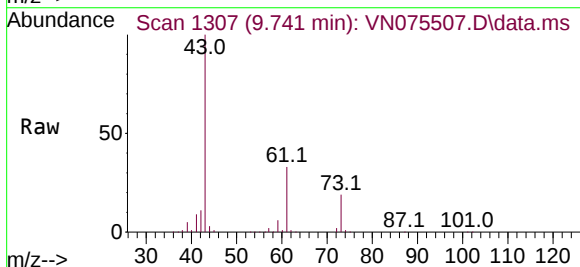
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

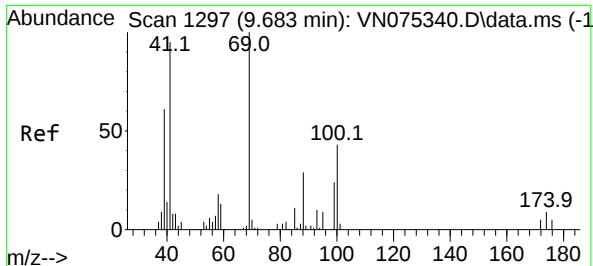
Tgt Ion: 43 Resp: 259069
Ion Ratio Lower Upper
43 100
61 11.1 22.4 33.6#
87 7.2 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.798 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 63 Resp: 1216
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

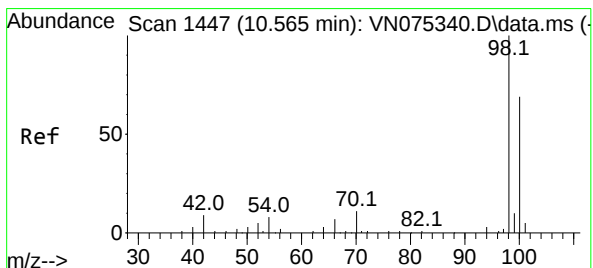
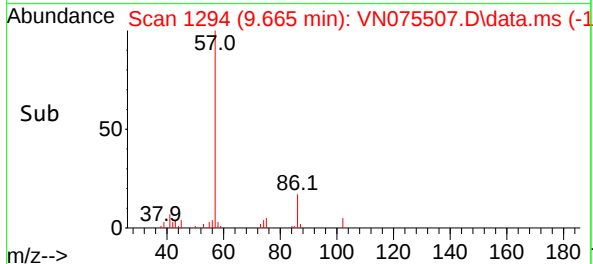
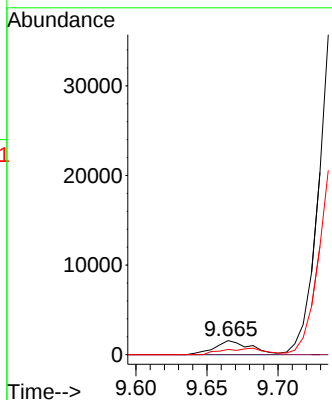
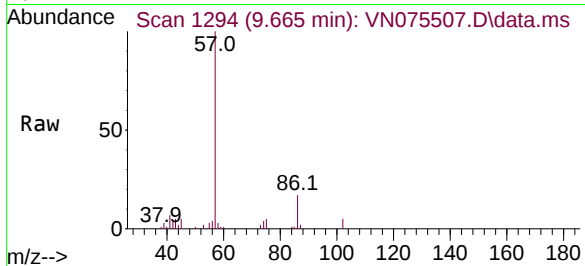




#48
Methyl methacrylate
Concen: 1.982 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

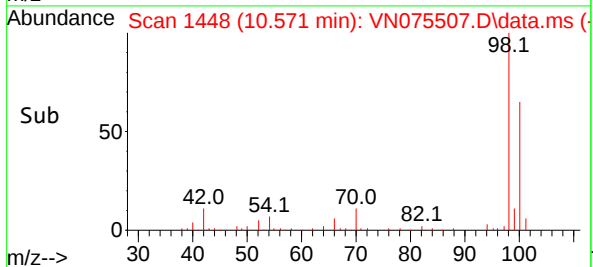
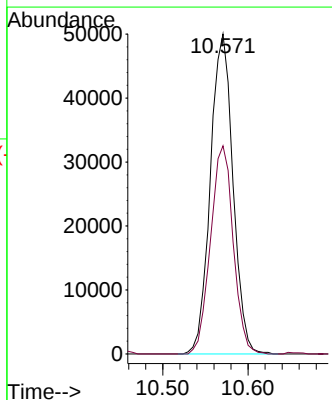
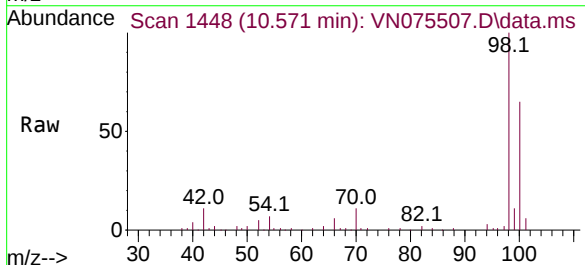
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

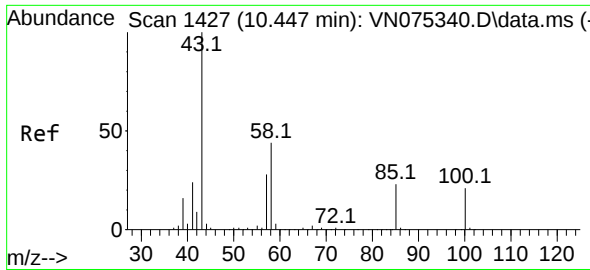
Tgt Ion: 41 Resp: 2765
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 0.0 56.2 84.2#



#50
Toluene-d8
Concen: 42.681 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 98 Resp: 92019
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6

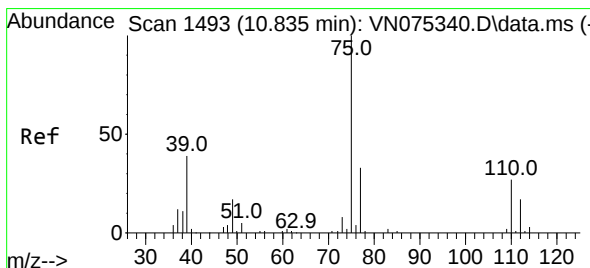
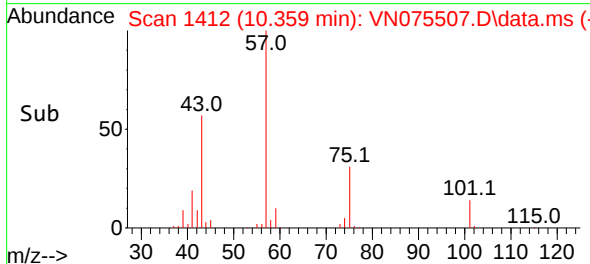
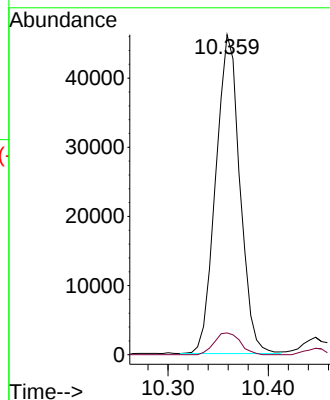
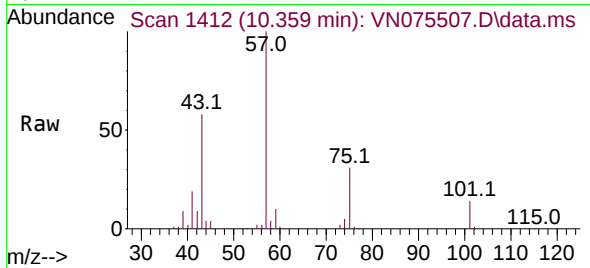




#51
4-Methyl-2-Pentanone
Concen: 40.081 ug/l
RT: 10.359 min Scan# 1427
Delta R.T. -0.088 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

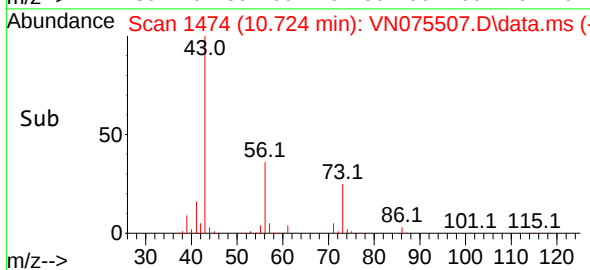
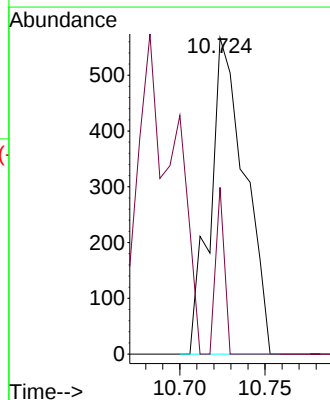
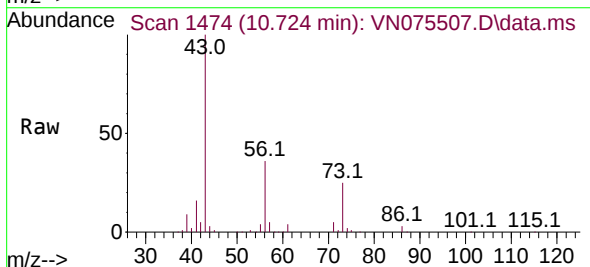
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

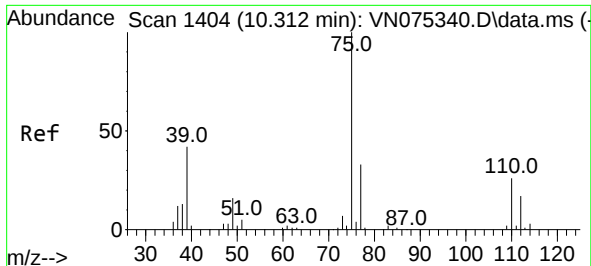
Tgt Ion: 43 Resp: 77021
Ion Ratio Lower Upper
43 100
58 7.3 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.358 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.111 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 75 Resp: 802
Ion Ratio Lower Upper
75 100
77 52.7 25.4 38.2#

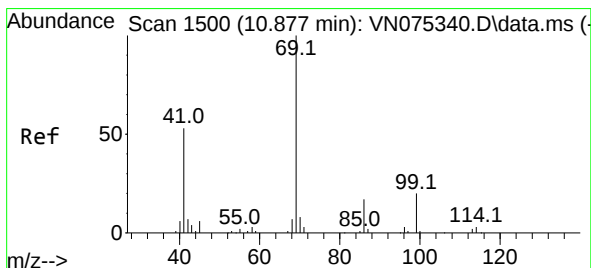
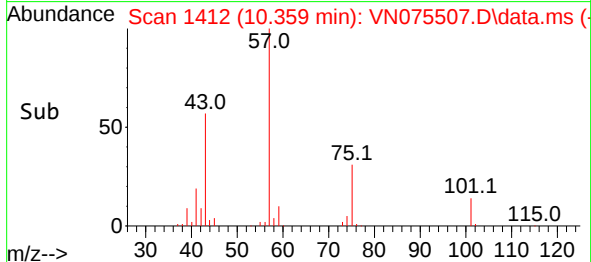
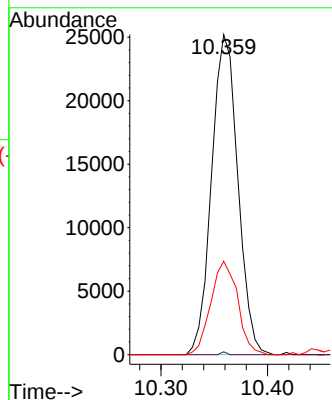
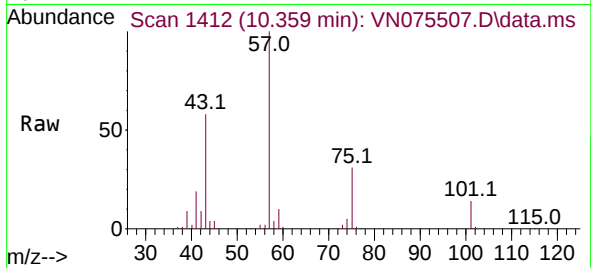




#54
 cis-1,3-Dichloropropene
 Concen: 17.696 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075507.D
 Acq: 30 Nov 2022 17:28

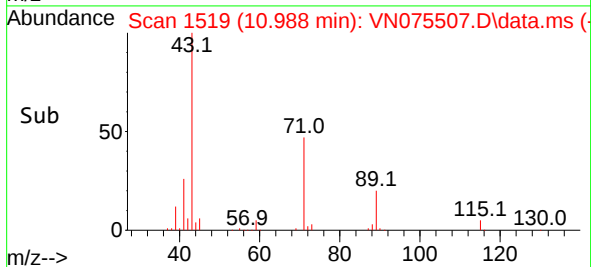
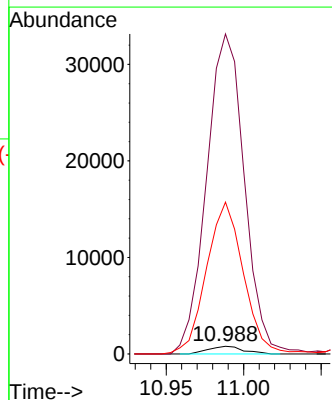
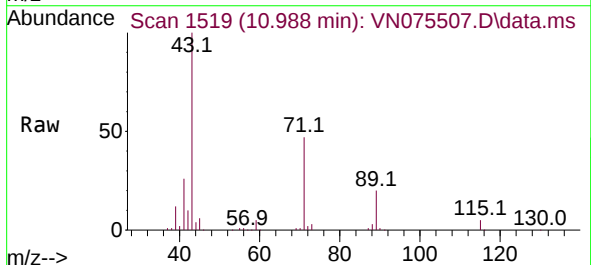
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#11

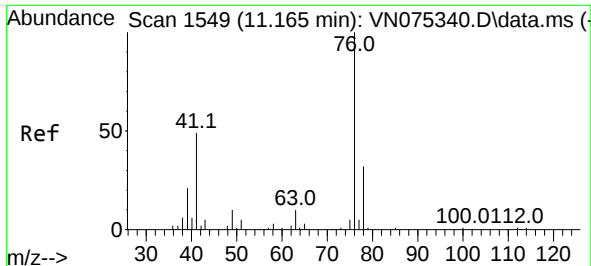
Tgt Ion: 75 Resp: 43047
 Ion Ratio Lower Upper
 75 100
 77 0.9 23.7 35.5#
 39 29.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.552 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075507.D
 Acq: 30 Nov 2022 17:28

Tgt Ion: 69 Resp: 1250
 Ion Ratio Lower Upper
 69 100
 41 4504.4 45.6 68.4#
 39 2089.2 28.5 42.7#

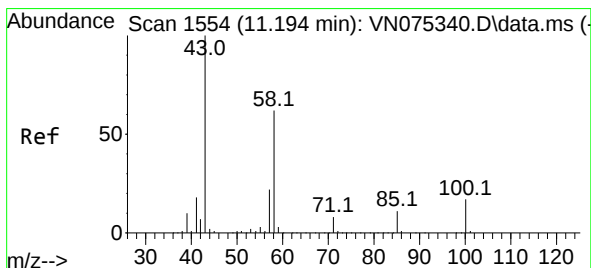
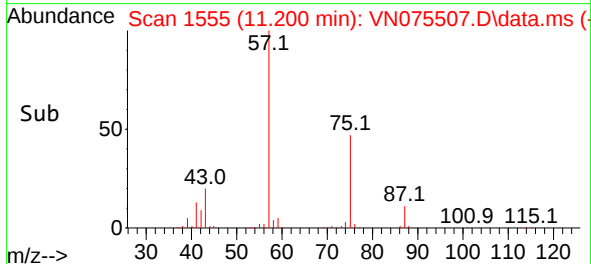
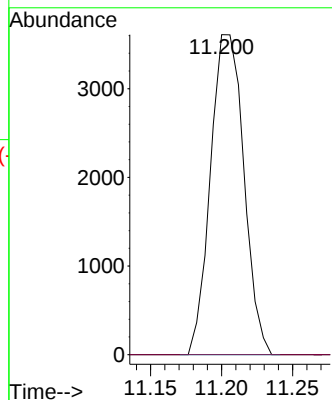
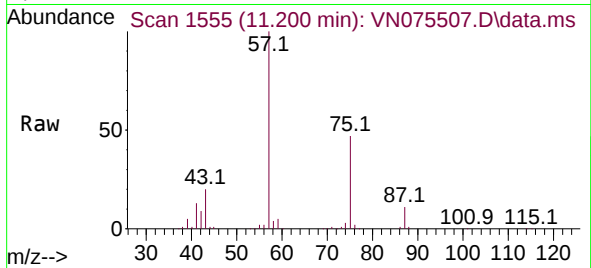




#57
1,3-Dichloropropane
Concen: 2.159 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

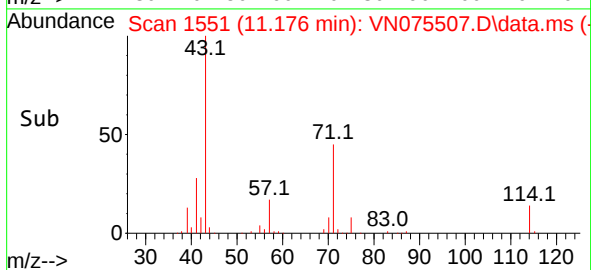
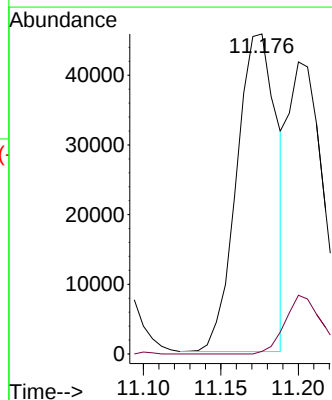
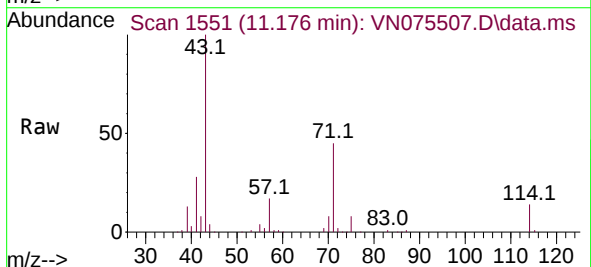
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

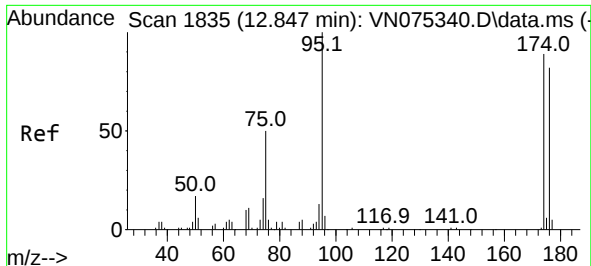
Tgt Ion: 76 Resp: 5904
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 57.133 ug/l
RT: 11.176 min Scan# 1551
Delta R.T. -0.018 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 43 Resp: 82440
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#

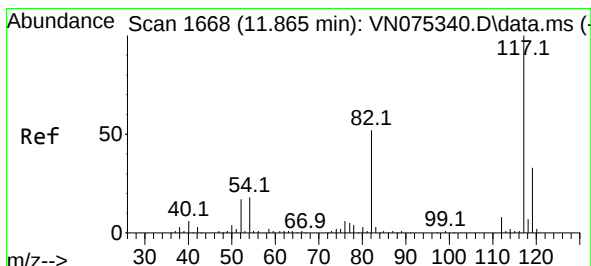
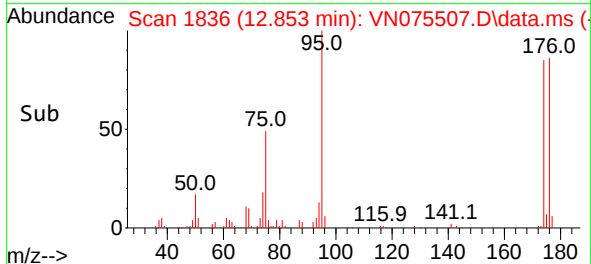
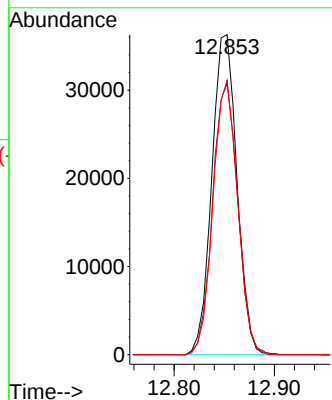
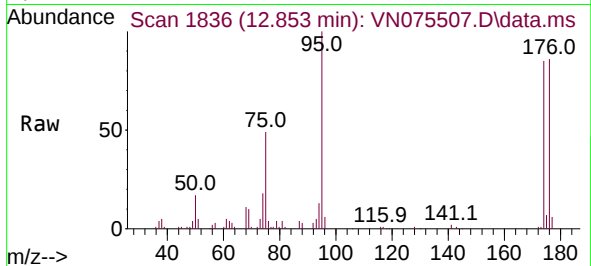




#62
4-Bromofluorobenzene
Concen: 39.541 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

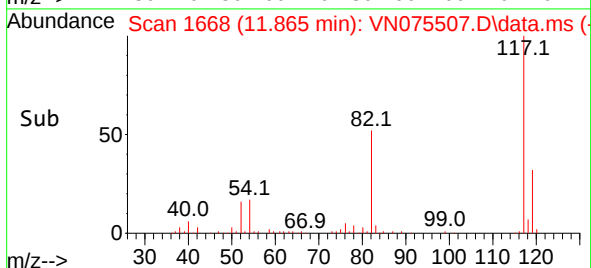
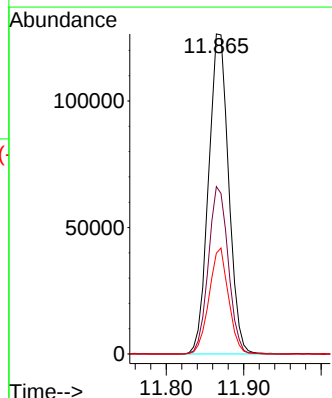
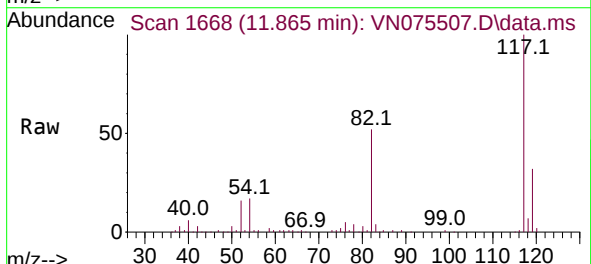
Instrument :
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ClientSampleId :
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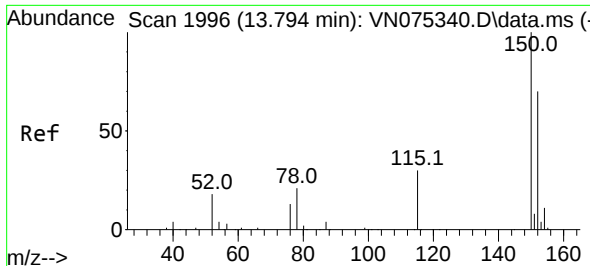
Tgt Ion: 95 Resp: 62923
Ion Ratio Lower Upper
95 100
174 85.8 0.0 147.4
176 84.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 117 Resp: 227497
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 31.5 25.5 38.3

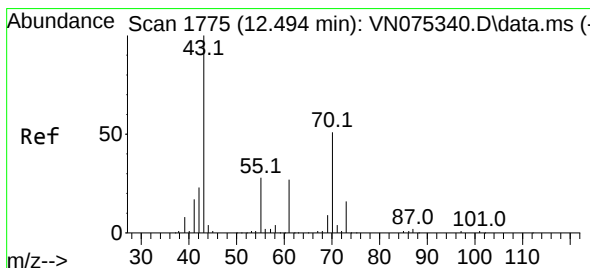
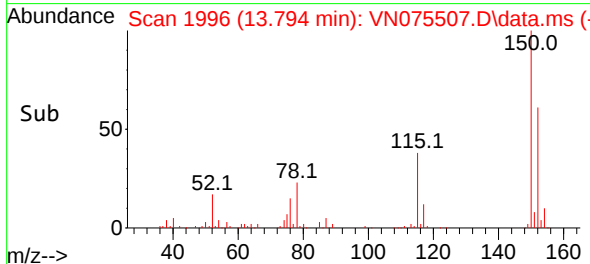
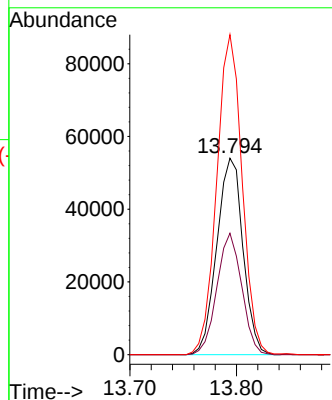
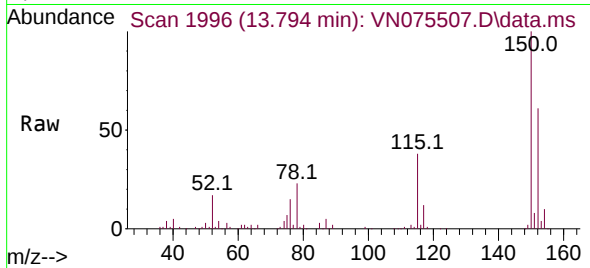




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

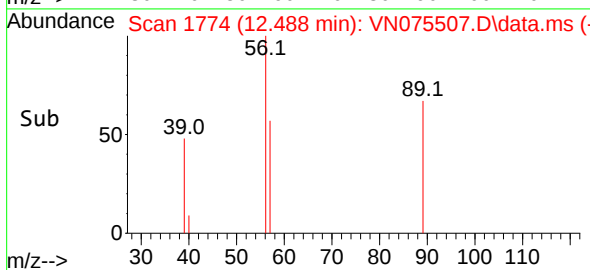
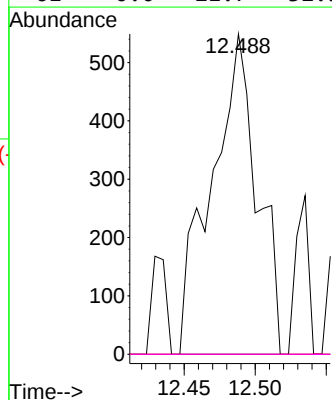
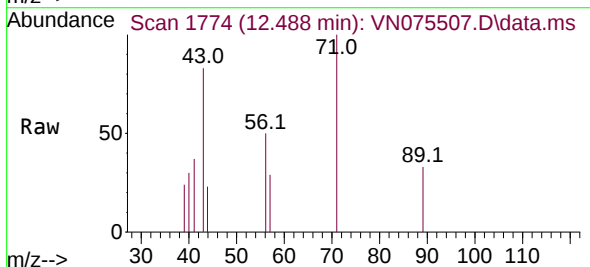
Instrument :
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ClientSampleId :
PB149341ZHE#11

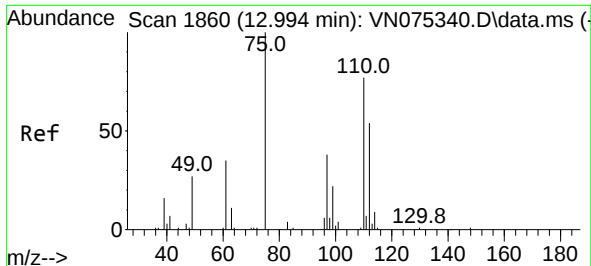
Tgt Ion:152 Resp: 92141
Ion Ratio Lower Upper
152 100
115 58.5 30.2 90.6
150 157.8 0.0 348.4



#74
N-ethyl acetate
Concen: 0.596 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 43 Resp: 1234
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#

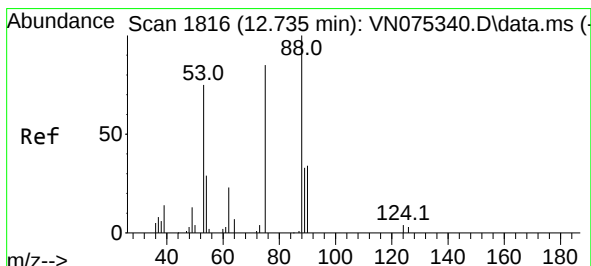
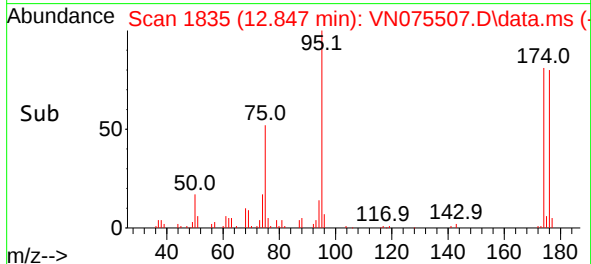
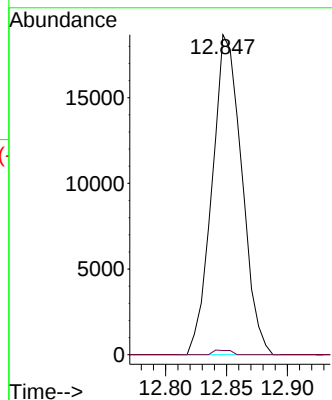
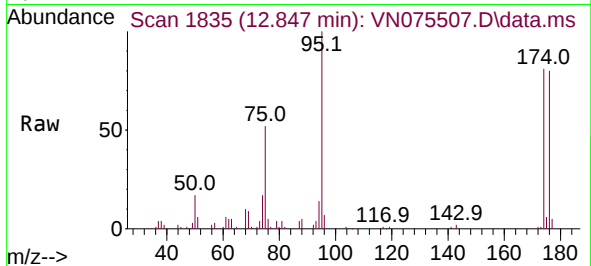




#76
1,2,3-Trichloropropane
Concen: 18.182 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#11

Tgt Ion: 75 Resp: 31675
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.795 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075507.D
Acq: 30 Nov 2022 17:28

Tgt Ion: 75 Resp: 31675
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

