

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075171.D
 Acq On : 04 Nov 2022 13:45
 Operator : JC\MD
 Sample : PB148795TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148795TB

Quant Time: Nov 05 06:58:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

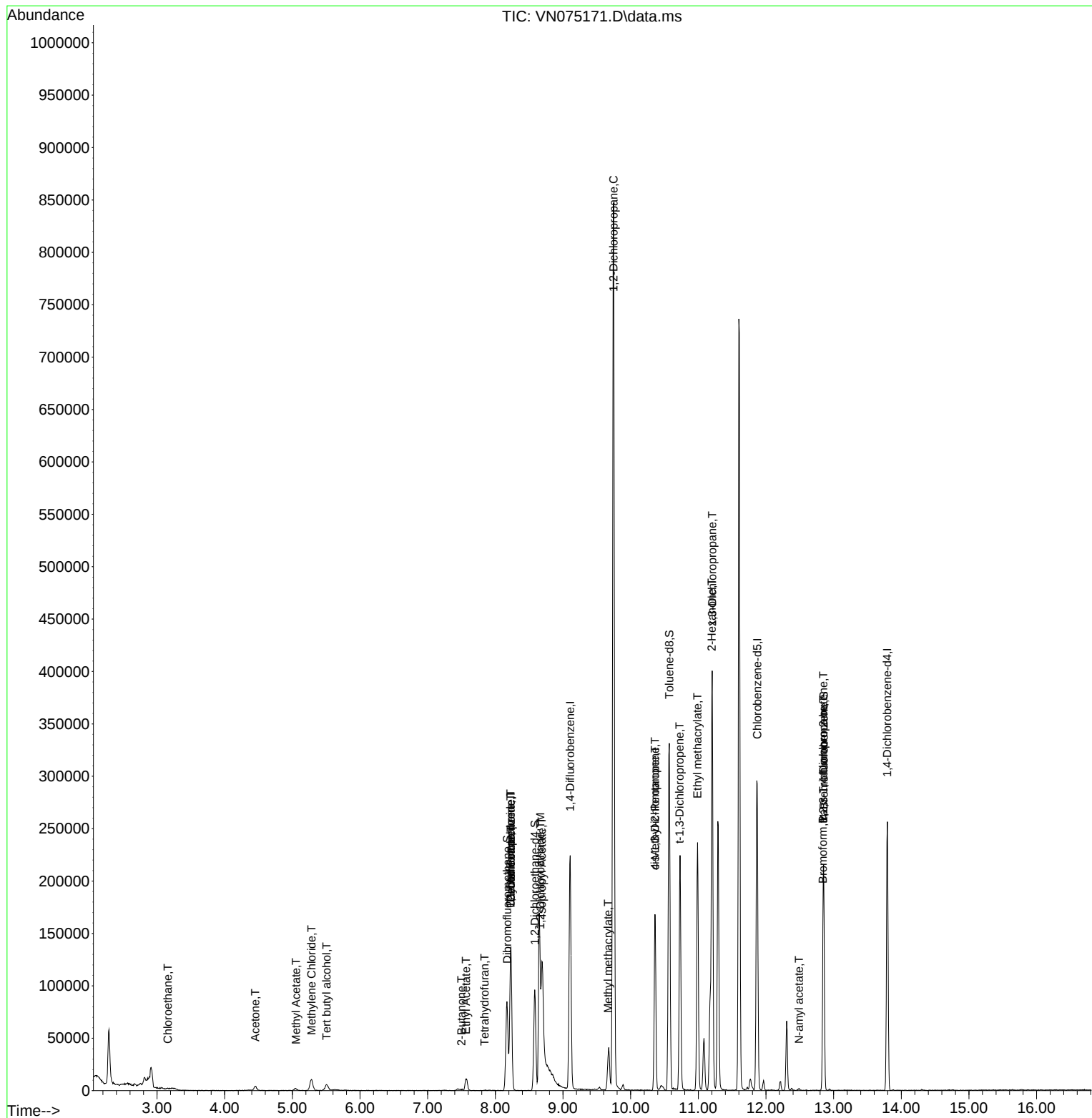
Internal Standards						
1) Pentafluorobenzene	8.229	168	94785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	193299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	174509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	66992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77072	60.349	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.700%			
35) Dibromofluoromethane	8.177	113	60947	53.709	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.420%			
50) Toluene-d8	10.570	98	233267	52.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.853	95	74681	48.289	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.580%			
Target Compounds						Qvalue
5) Bromomethane	2.906	94	120	Below Cal	#	5
6) Chloroethane	3.159	64	384	0.287	ug/l #	45
11) Tert butyl alcohol	5.506	59	5193	17.436	ug/l #	72
16) Acetone	4.453	43	8125	15.025	ug/l	94
18) Methyl Acetate	5.053	43	4105	2.324	ug/l #	85
20) Methylene Chloride	5.283	84	9167	7.603	ug/l	86
25) 2-Butanone	7.500	43	1930	2.269	ug/l #	43
29) Tetrahydrofuran	7.841	42	137	0.249	ug/l #	63
31) Cyclohexane	8.229	56	2152	1.133	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	8462	4.817	ug/l #	48
37) Ethyl Acetate	7.565	43	17274	8.966	ug/l	100
38) Carbon Tetrachloride	8.224	117	10920	5.651	ug/l #	16
42) 1,2-Dichloroethane	8.665	62	465	0.238	ug/l #	75
43) Isopropyl Acetate	8.688	43	143989	48.181	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	1071	0.837	ug/l #	42
48) Methyl methacrylate	9.665	41	2622	1.913	ug/l #	31
51) 4-Methyl-2-Pentanone	10.359	43	58206	30.182	ug/l #	44
53) t-1,3-Dichloropropene	10.723	75	619	0.304	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31848	14.730	ug/l #	67
56) Ethyl methacrylate	10.988	69	745	0.343	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4964	2.091	ug/l #	42
59) 2-Hexanone	11.200	43	51986	35.518	ug/l #	50
71) Bromoform	12.841	173	634	0.613	ug/l #	1
74) N-amyl acetate	12.488	43	1014	0.510	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	42084	29.586	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42084	75.948	ug/l #	10

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

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Response via : Initial Calibration

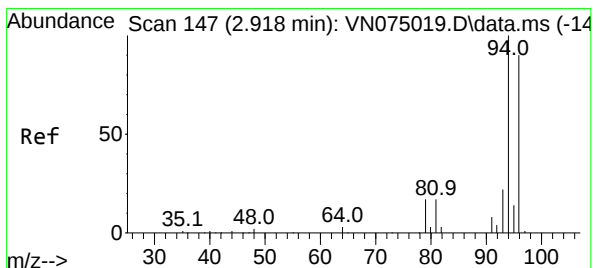
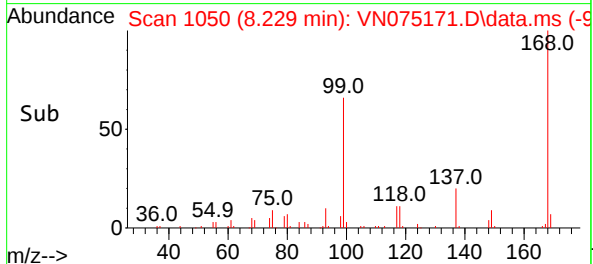
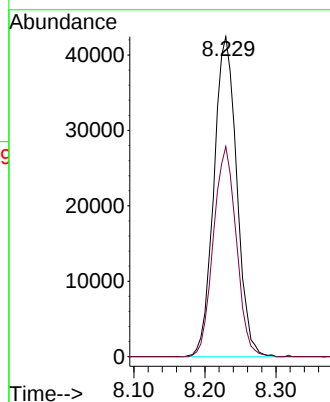
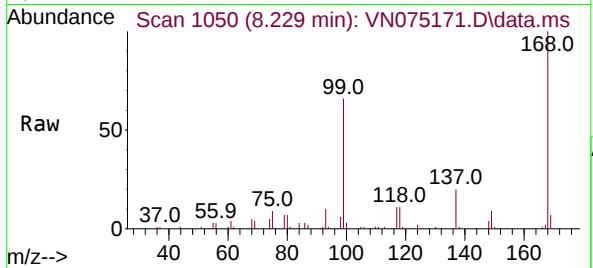




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

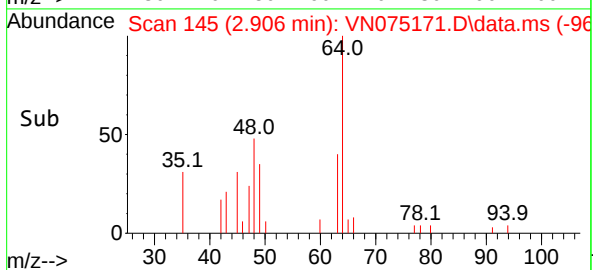
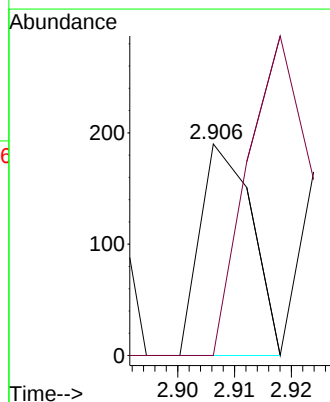
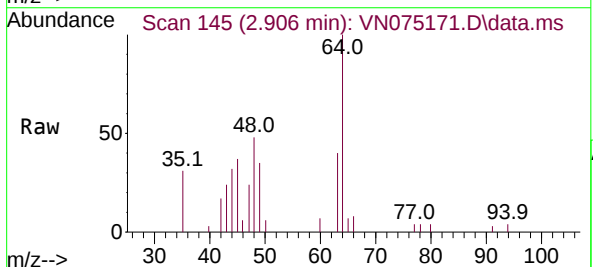
Instrument :
MSVOA_N
ClientSampleId :
PB148795TB

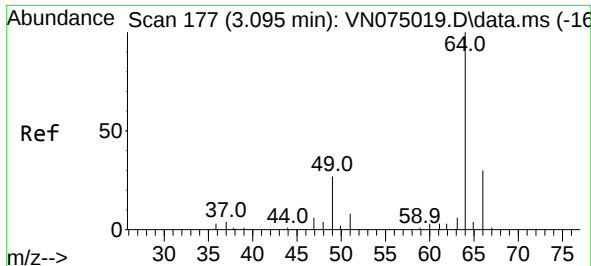
Tgt Ion:168 Resp: 94785
Ion Ratio Lower Upper
168 100
99 65.7 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.906 min Scan# 145
Delta R.T. -0.012 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#





#6

Chloroethane

Concen: 0.287 ug/l

RT: 3.159 min Scan# 11

Delta R.T. 0.064 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

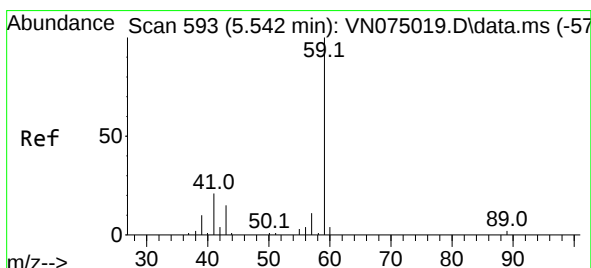
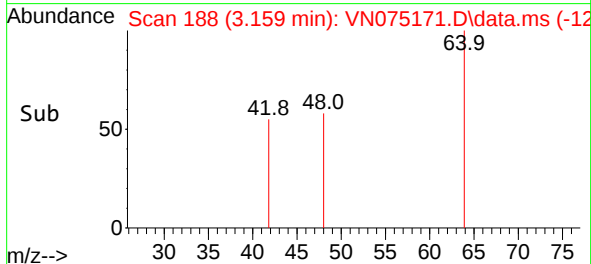
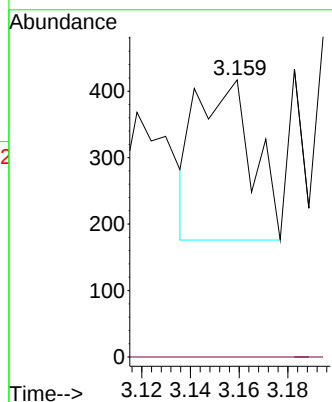
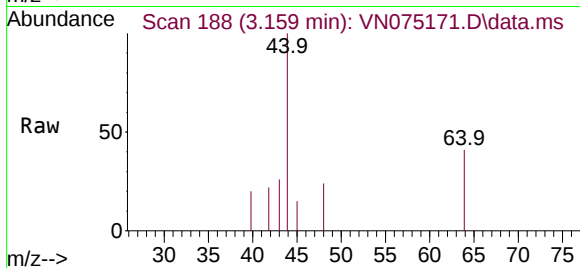
PB148795TB

Tgt Ion: 64 Resp: 384

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#



#11

Tert butyl alcohol

Concen: 17.436 ug/l

RT: 5.506 min Scan# 587

Delta R.T. -0.036 min

Lab File: VN075171.D

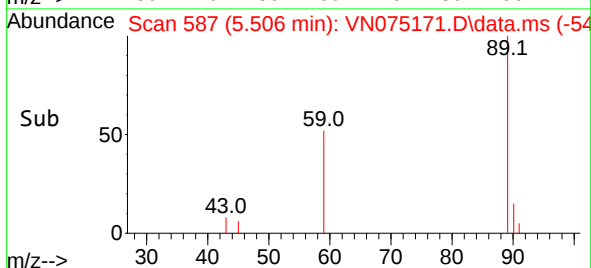
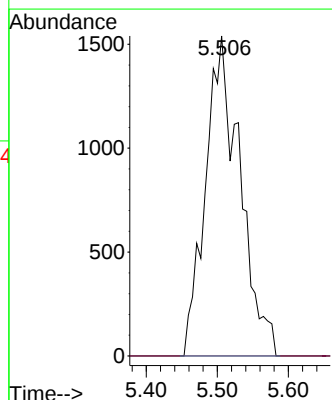
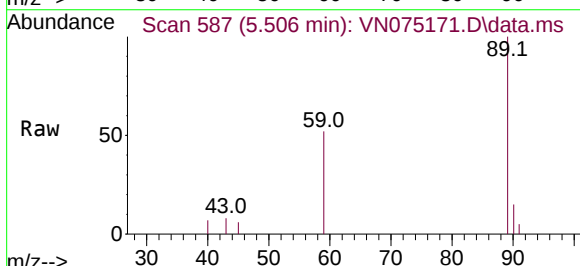
Acq: 04 Nov 2022 13:45

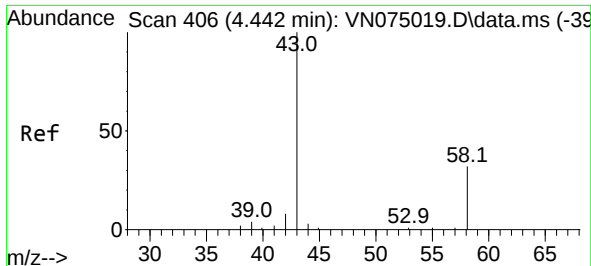
Tgt Ion: 59 Resp: 5193

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

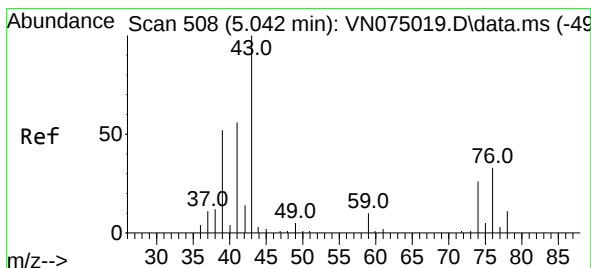
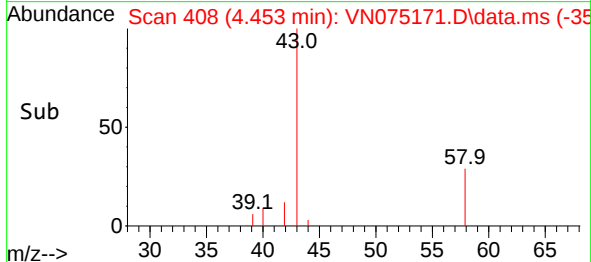
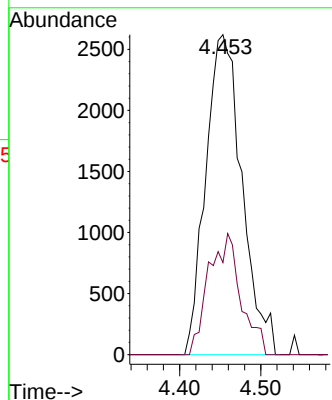
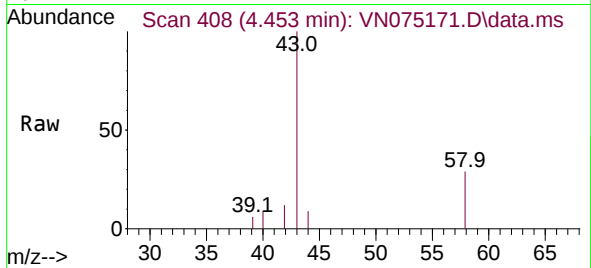




#16
Acetone
Concen: 15.025 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

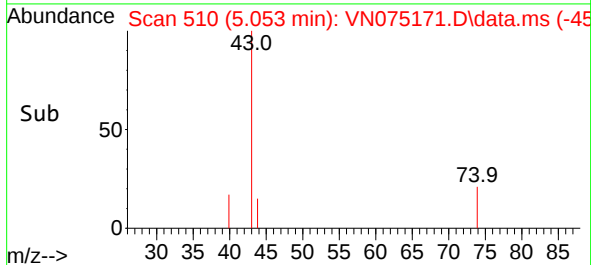
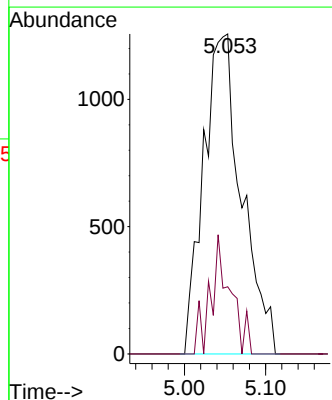
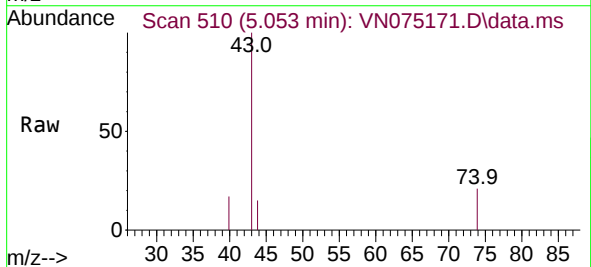
Instrument :
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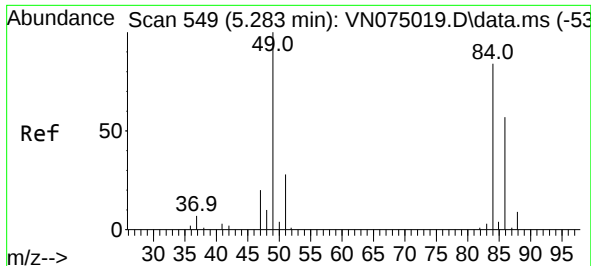
Tgt Ion: 43 Resp: 8125
Ion Ratio Lower Upper
43 100
58 28.8 25.5 38.3



#18
Methyl Acetate
Concen: 2.324 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 43 Resp: 4105
Ion Ratio Lower Upper
43 100
74 19.4 22.0 33.0#

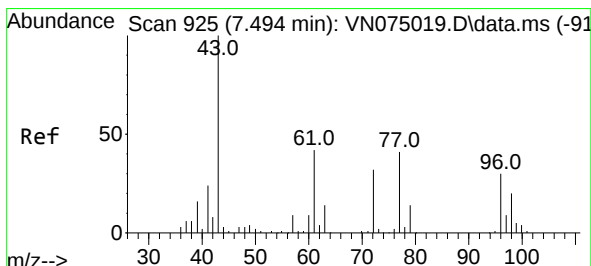
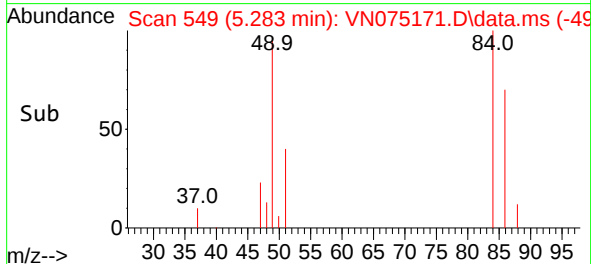
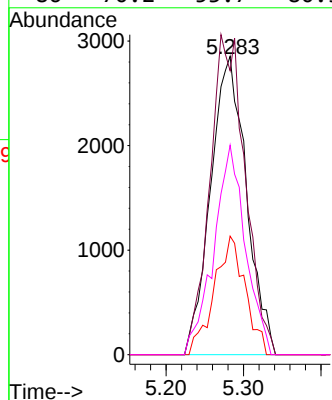
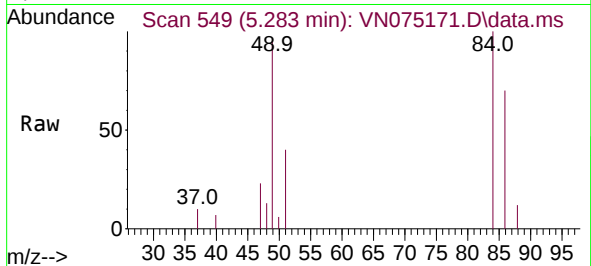




#20
Methylene Chloride
Concen: 7.603 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

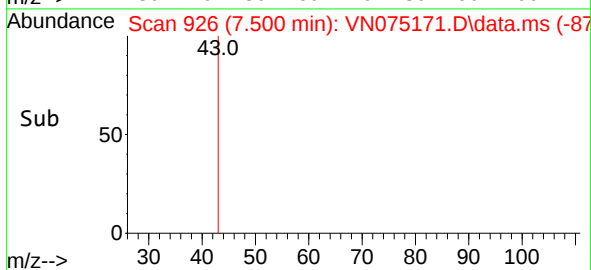
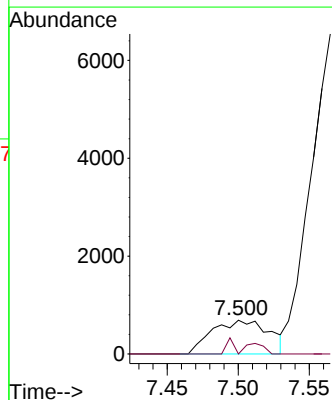
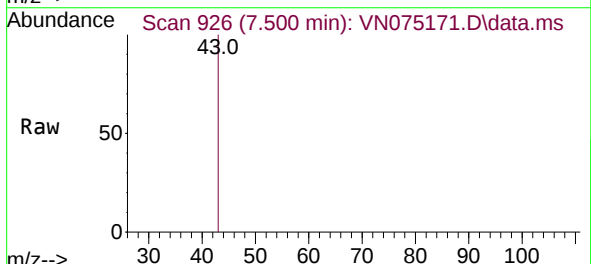
Instrument :
MSVOA_N
ClientSampleId :
PB148795TB

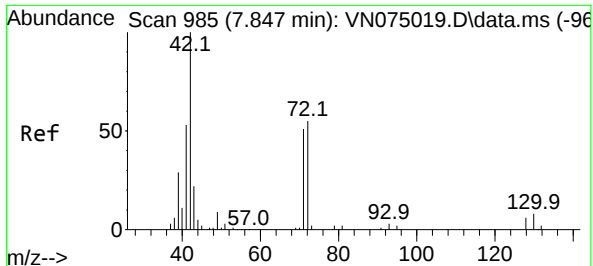
Tgt Ion: 84	Resp:	9167	
Ion	Ratio	Lower	Upper
84	100		
49	95.2	94.9	142.3
51	39.7	26.8	40.2
86	70.2	53.7	80.5



#25
2-Butanone
Concen: 2.269 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 43	Resp:	1930	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

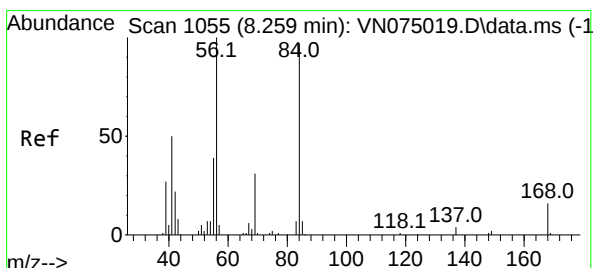
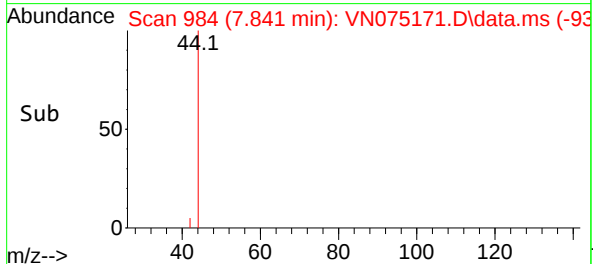
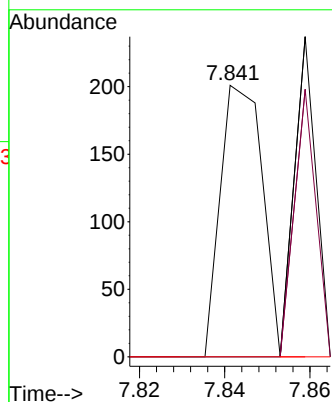
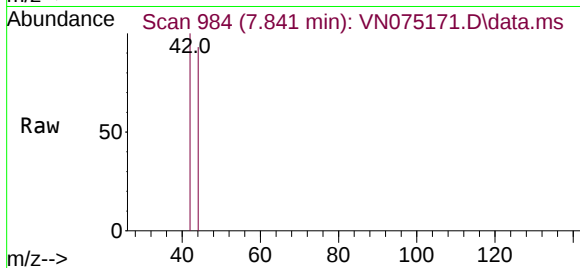




#29
Tetrahydrofuran
Concen: 0.249 ug/l
RT: 7.841 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

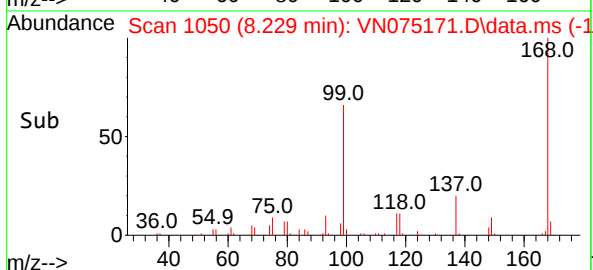
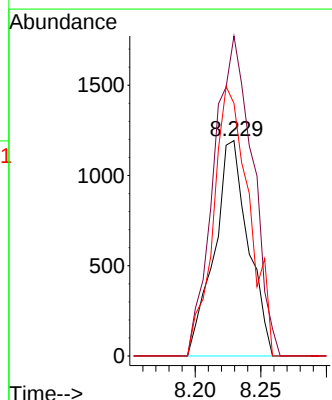
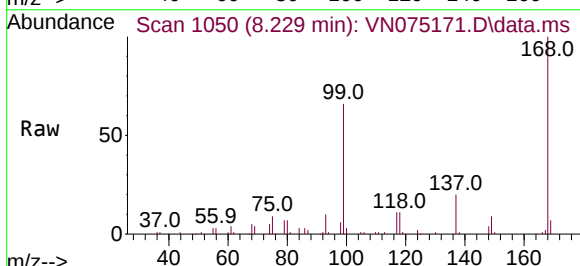
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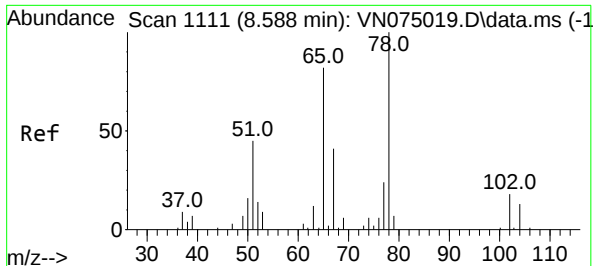
Tgt Ion: 42 Resp: 137
Ion Ratio Lower Upper
42 100
72 51.1 43.0 64.6
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 56 Resp: 2152
Ion Ratio Lower Upper
56 100
69 148.6 25.2 37.8#
84 117.4 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 60.349 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

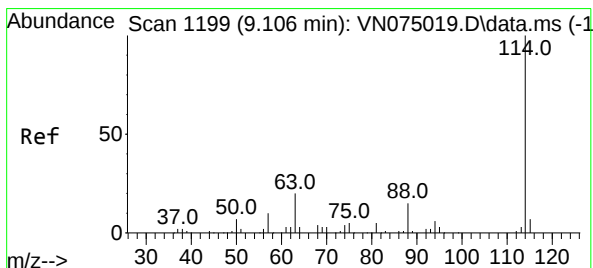
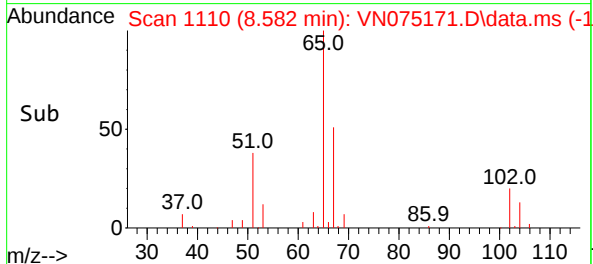
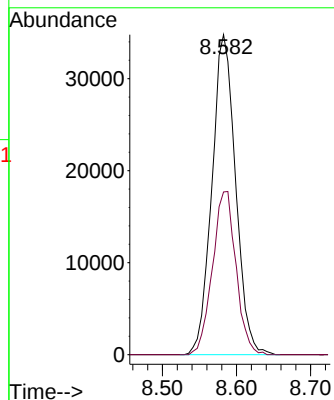
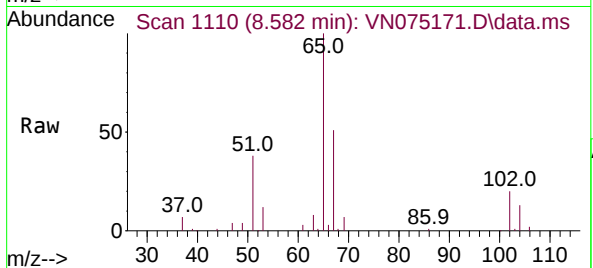
PB148795TB

Tgt Ion: 65 Resp: 77072

Ion Ratio Lower Upper

65 100

67 50.6 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: VN075171.D

Acq: 04 Nov 2022 13:45

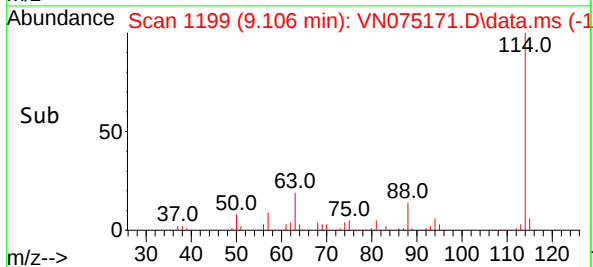
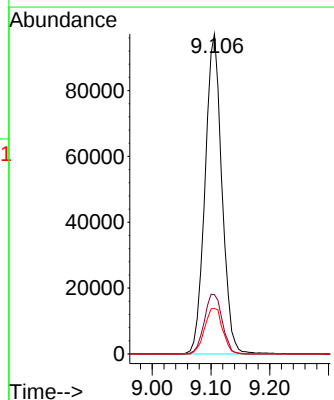
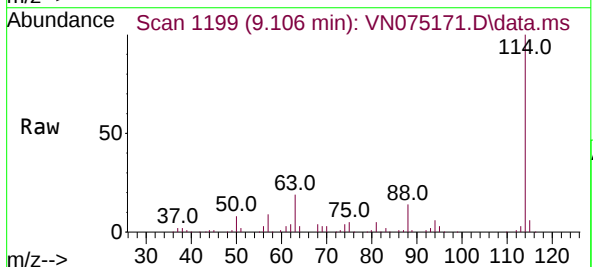
Tgt Ion: 114 Resp: 193299

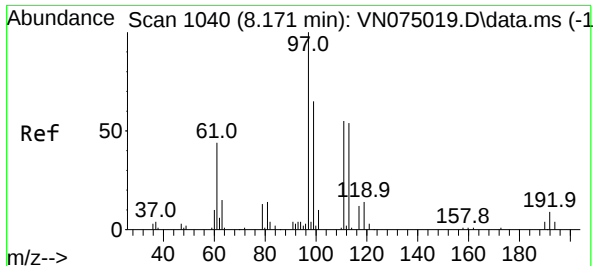
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 14.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.709 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

PB148795TB

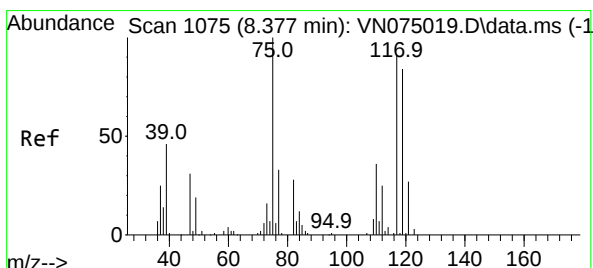
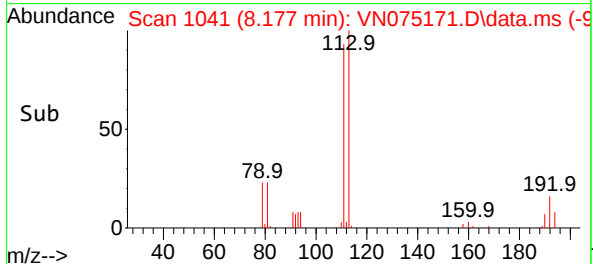
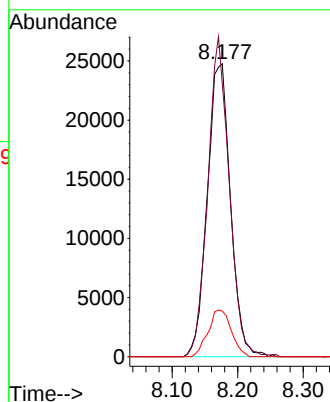
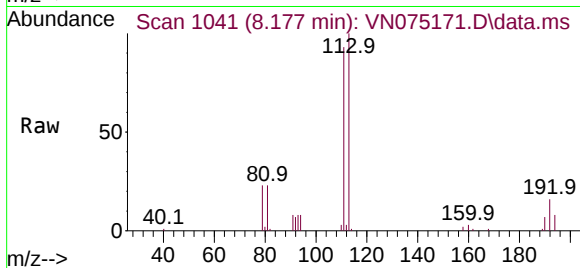
Tgt Ion:113 Resp: 60947

Ion Ratio Lower Upper

113 100

111 100.9 80.5 120.7

192 15.9 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

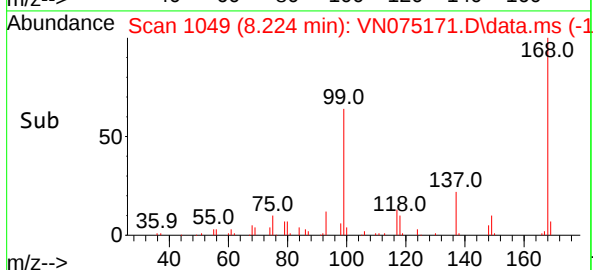
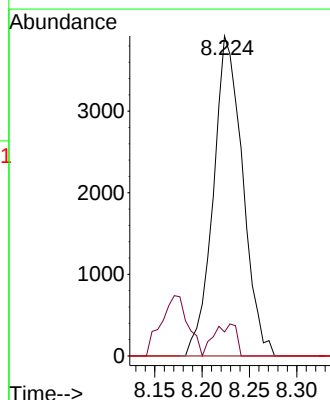
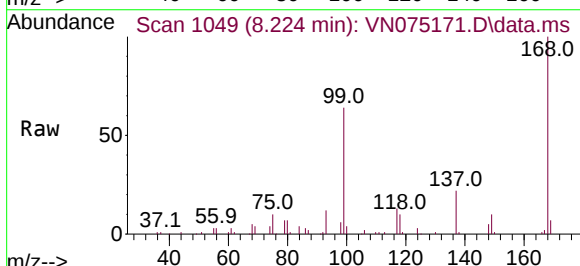
Tgt Ion: 75 Resp: 8462

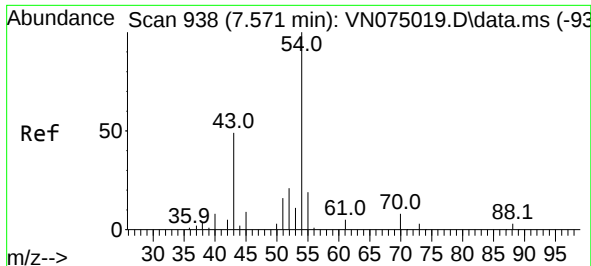
Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 8.966 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

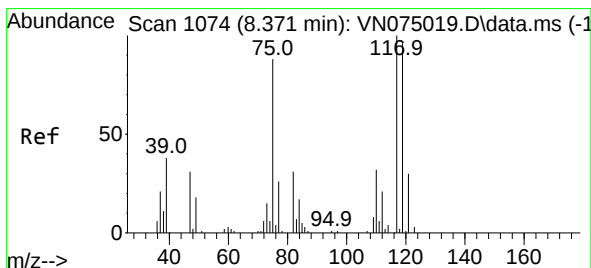
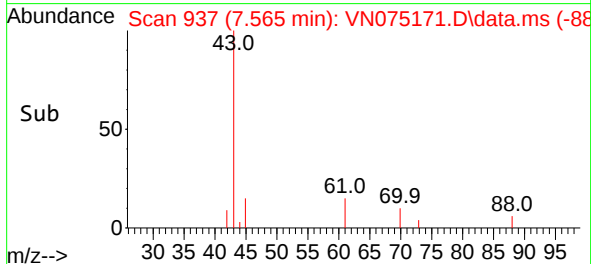
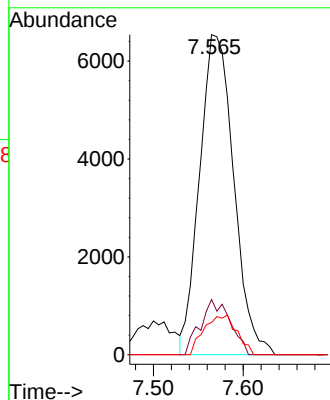
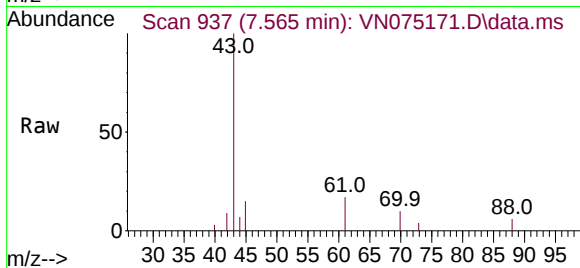
Instrument :

MSVOA_N

ClientSampleId :

PB148795TB

Tgt Ion:	43	Resp:	17274
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.2	18.4
70	11.8	9.4	14.2



#38

Carbon Tetrachloride

Concen: 5.651 ug/l

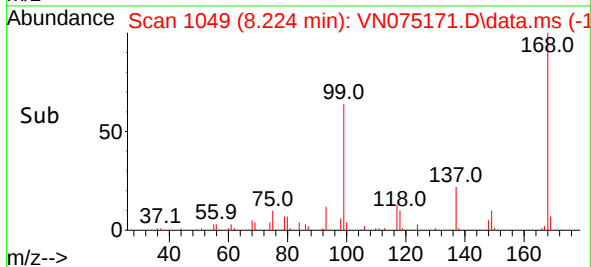
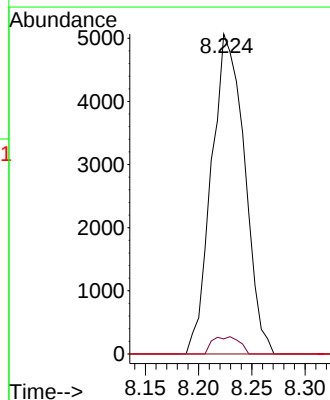
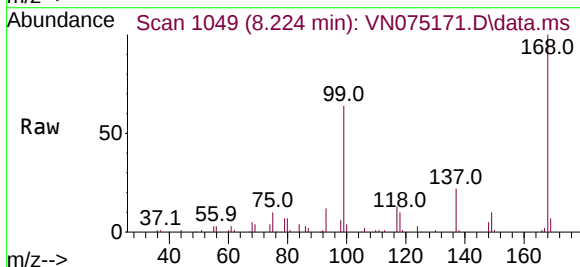
RT: 8.224 min Scan# 1049

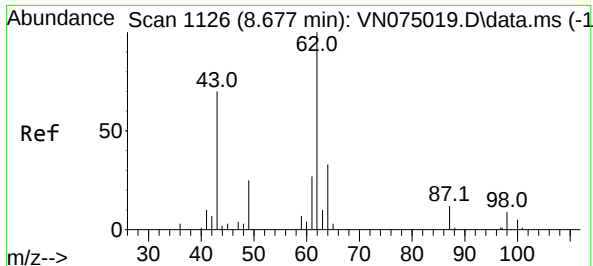
Delta R.T. -0.147 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

Tgt Ion:	117	Resp:	10920
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.238 ug/l

RT: 8.665 min Scan# 1124

Delta R.T. -0.012 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

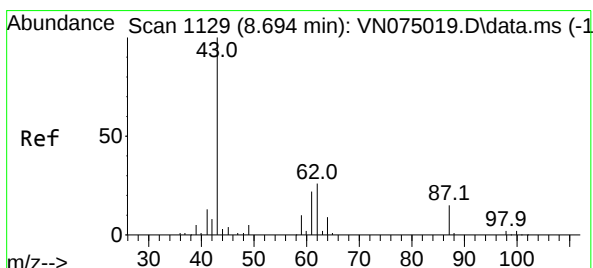
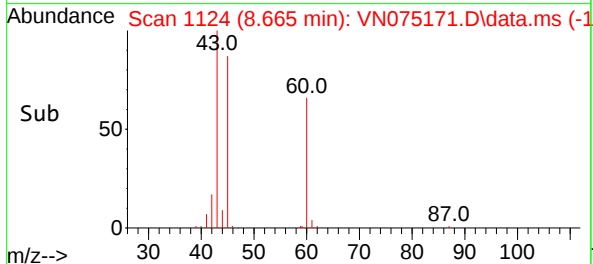
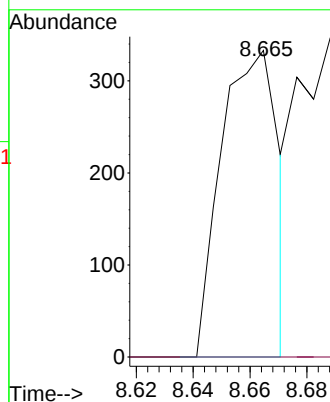
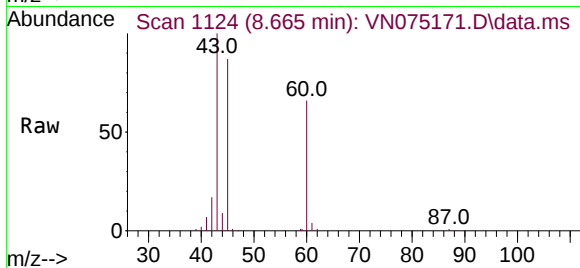
PB148795TB

Tgt Ion: 62 Resp: 465

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 48.181 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

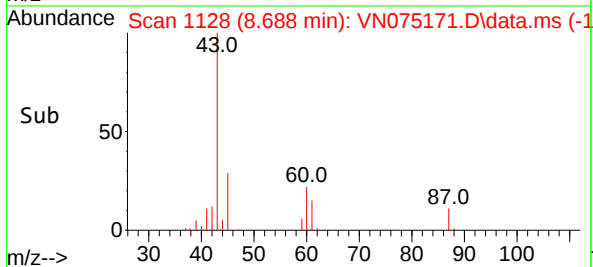
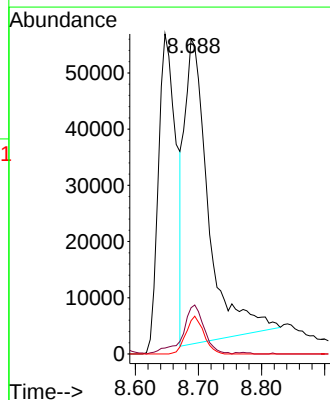
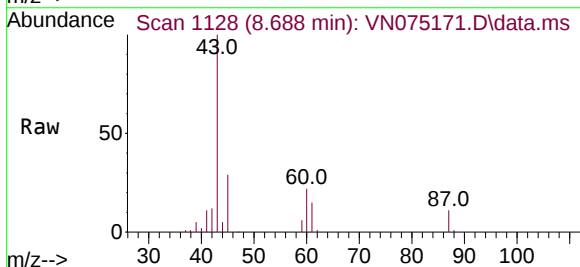
Tgt Ion: 43 Resp: 143989

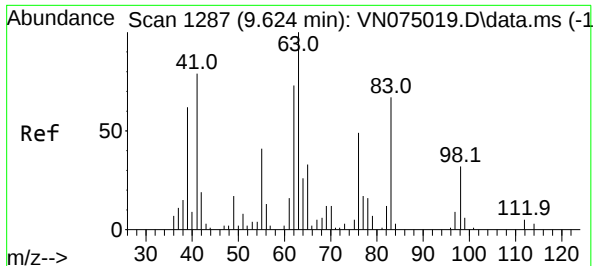
Ion Ratio Lower Upper

43 100

61 14.4 22.4 33.6#

87 9.2 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.837 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

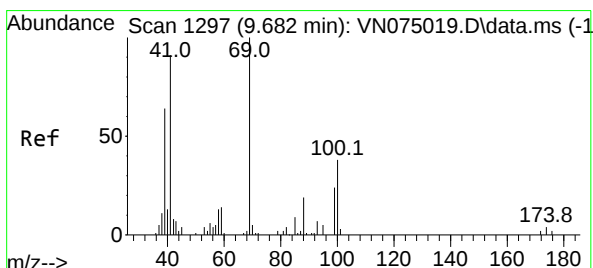
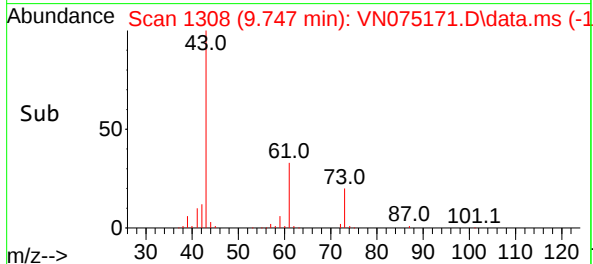
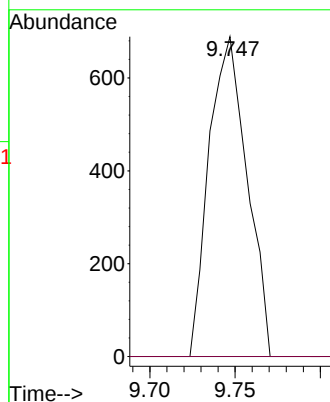
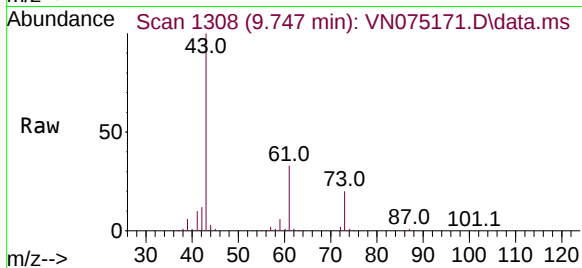
PB148795TB

Tgt Ion: 63 Resp: 1071

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.913 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

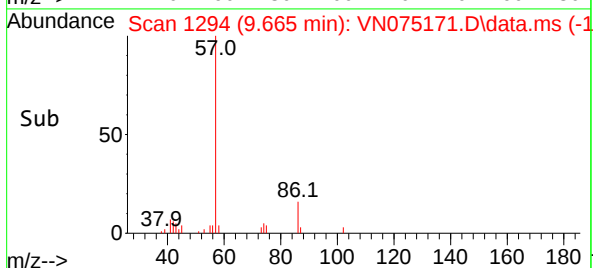
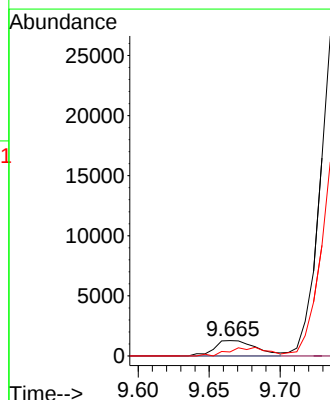
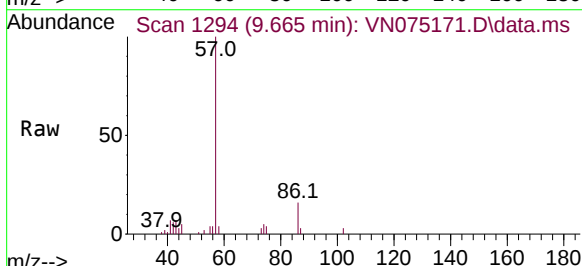
Tgt Ion: 41 Resp: 2622

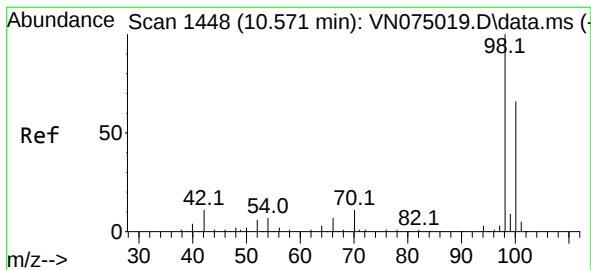
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 50.7 56.2 84.2#





#50

Toluene-d8

Concen: 52.984 ug/l

RT: 10.570 min Scan# 1448

Delta R.T. -0.001 min

Lab File: VN075171.D

Acq: 04 Nov 2022 13:45

Instrument :

MSVOA_N

ClientSampleId :

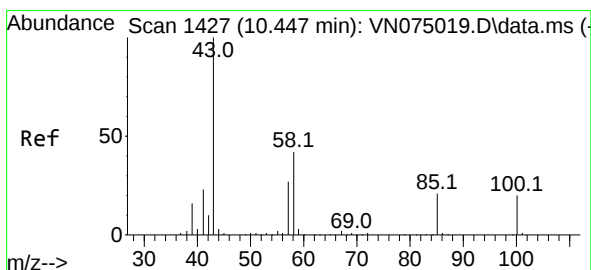
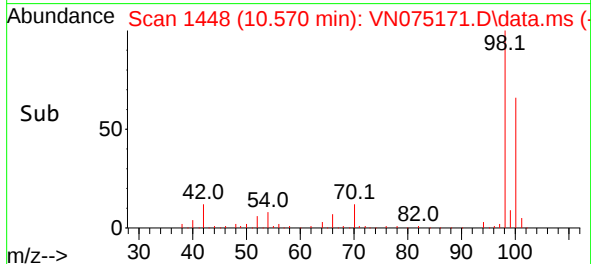
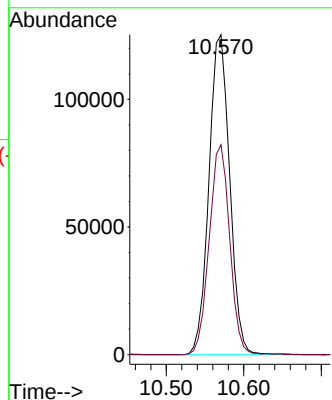
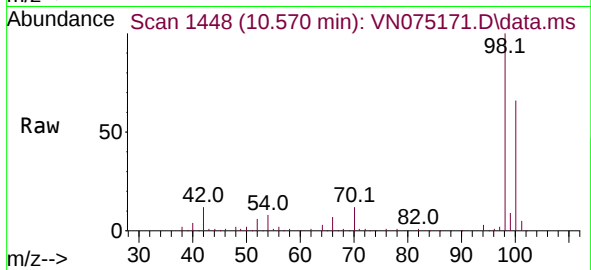
PB148795TB

Tgt Ion: 98 Resp: 233267

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 30.182 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. -0.088 min

Lab File: VN075171.D

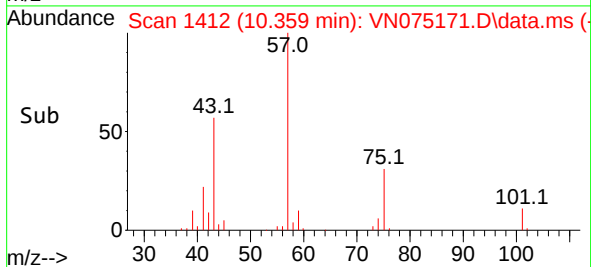
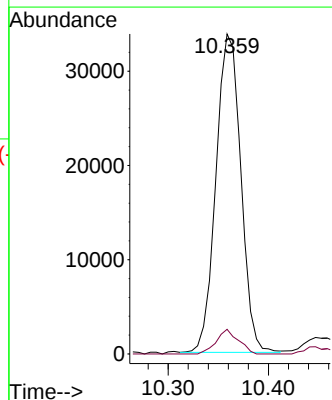
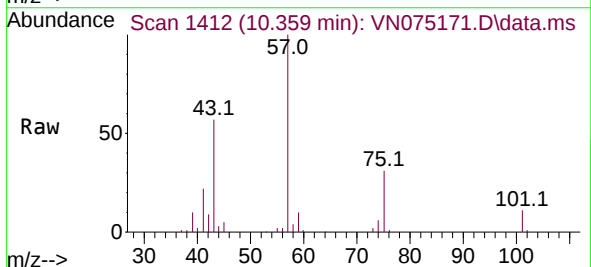
Acq: 04 Nov 2022 13:45

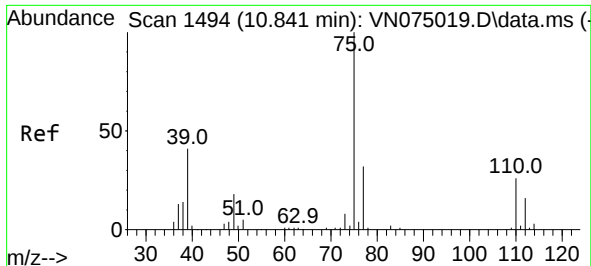
Tgt Ion: 43 Resp: 58206

Ion Ratio Lower Upper

43 100

58 6.8 33.6 50.4#

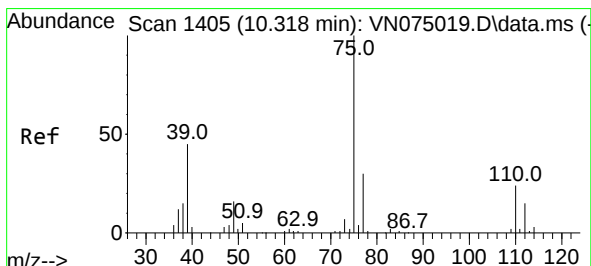
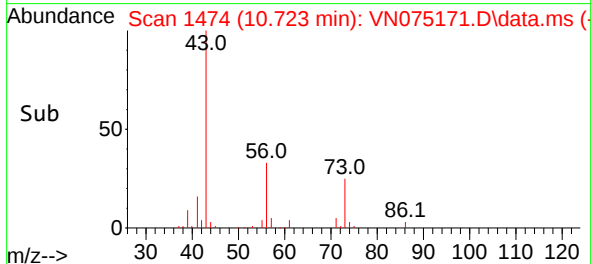
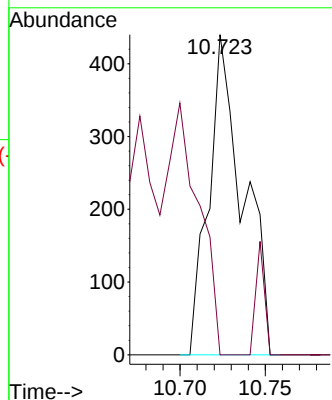
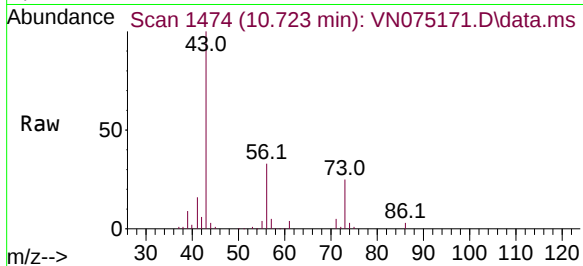




#53
 t-1,3-Dichloropropene
 Concen: 0.304 ug/l
 RT: 10.723 min Scan# 1411
 Delta R.T. -0.118 min
 Lab File: VN075171.D
 Acq: 04 Nov 2022 13:45

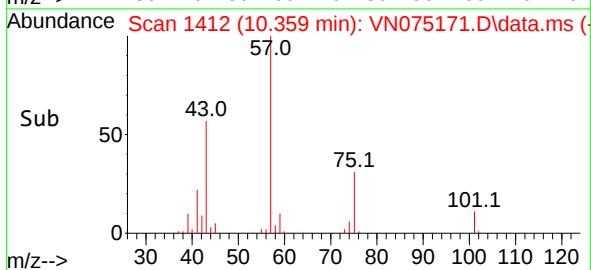
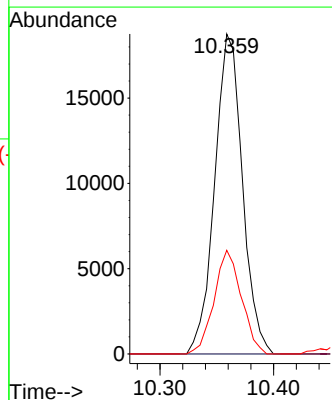
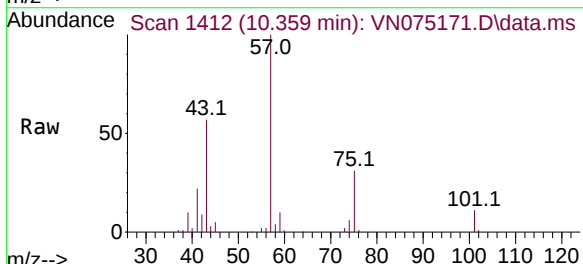
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148795TB

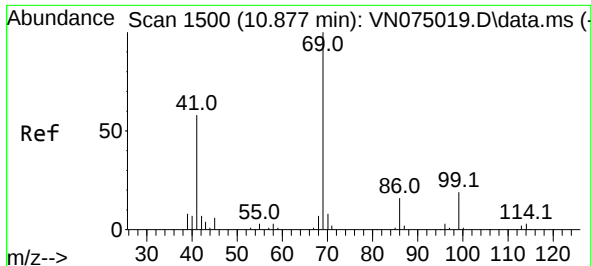
Tgt Ion: 75 Resp: 619
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 14.730 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075171.D
 Acq: 04 Nov 2022 13:45

Tgt Ion: 75 Resp: 31848
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 32.4 35.8 53.6#

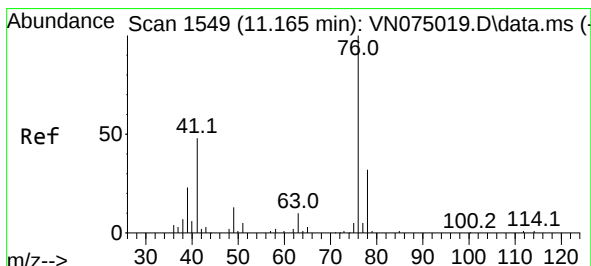
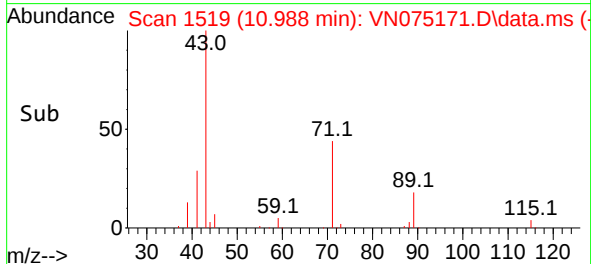
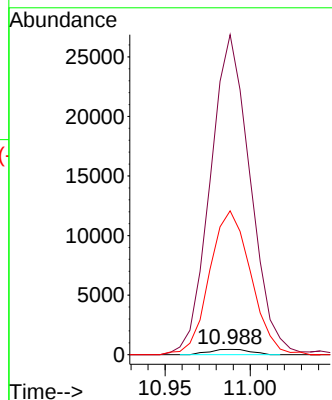
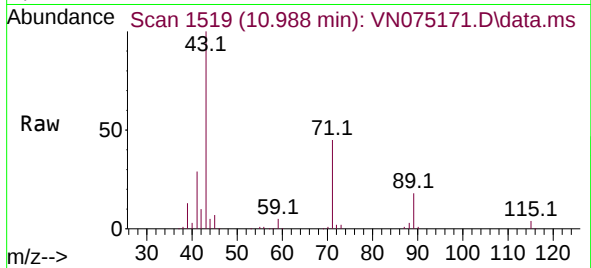




#56
Ethyl methacrylate
Concen: 0.343 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

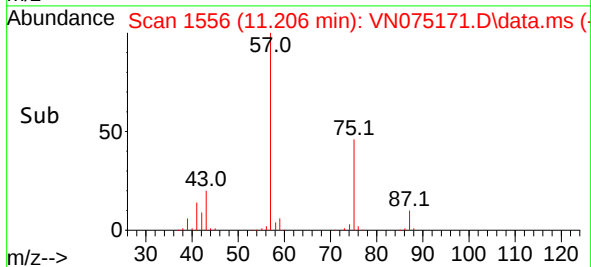
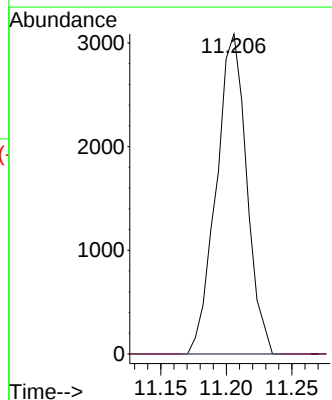
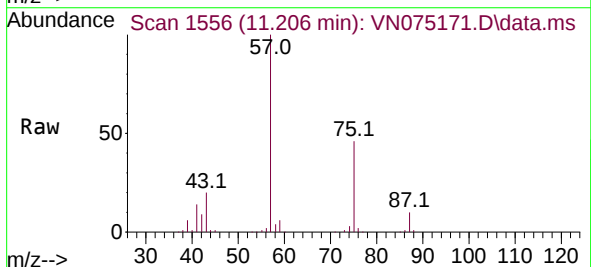
Instrument :
MSVOA_N
ClientSampleId :
PB148795TB

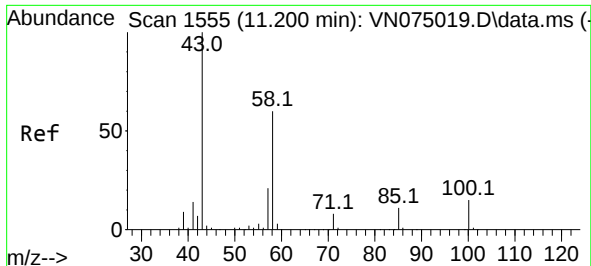
Tgt Ion: 69 Resp: 745
Ion Ratio Lower Upper
69 100
41 5893.8 45.6 68.4#
39 2733.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.091 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 76 Resp: 4964
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

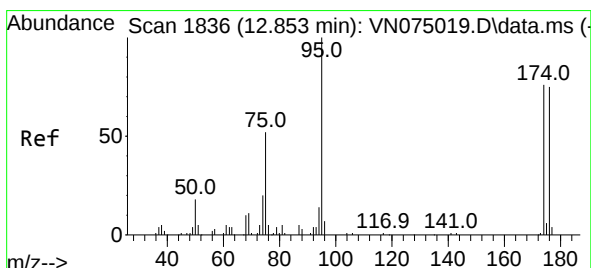
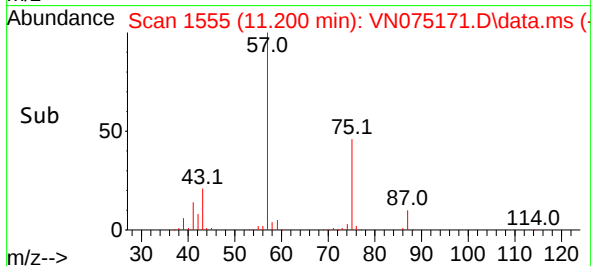
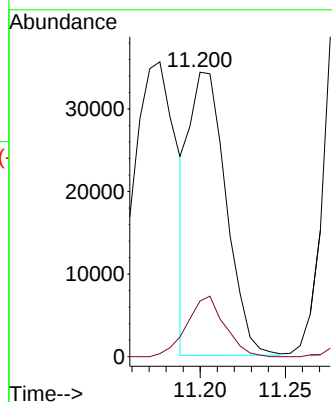
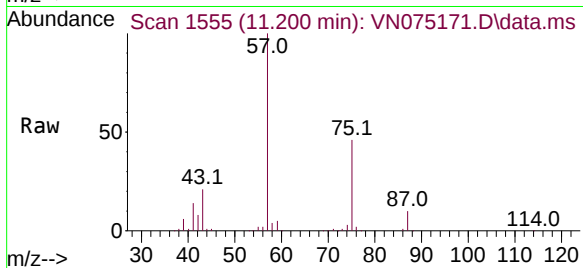




#59
2-Hexanone
Concen: 35.518 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

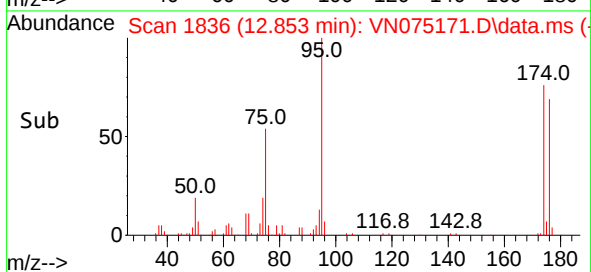
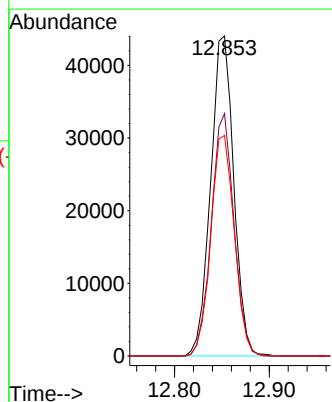
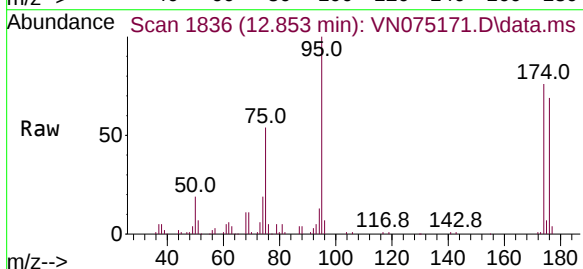
Instrument :
MSVOA_N
ClientSampleId :
PB148795TB

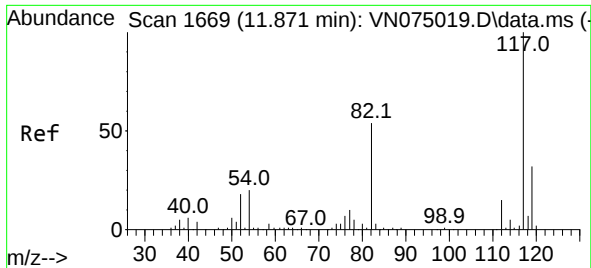
Tgt Ion: 43 Resp: 51986
Ion Ratio Lower Upper
43 100
58 21.7 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.289 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 95 Resp: 74681
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.4
176 70.0 0.0 142.2

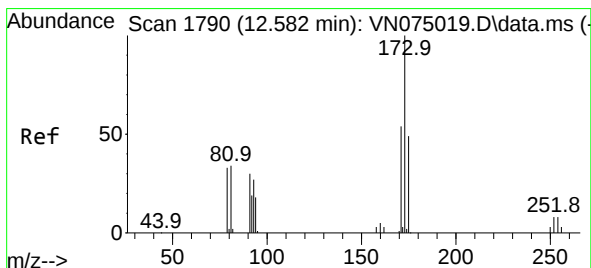
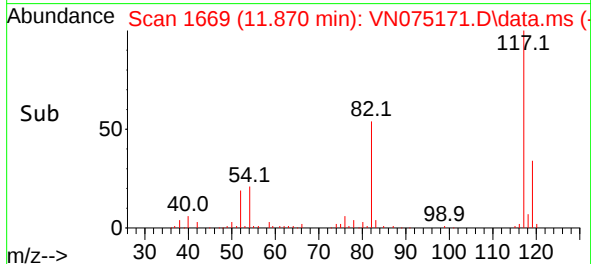
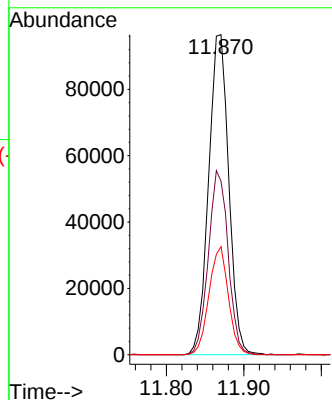
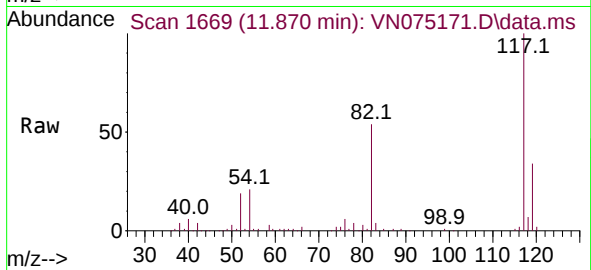




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

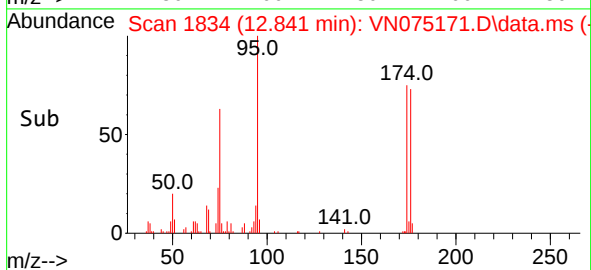
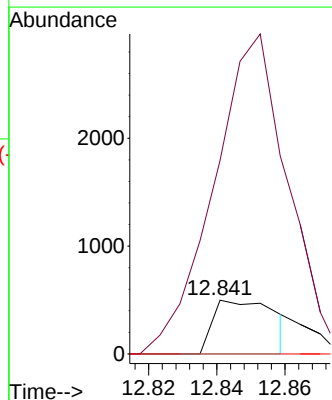
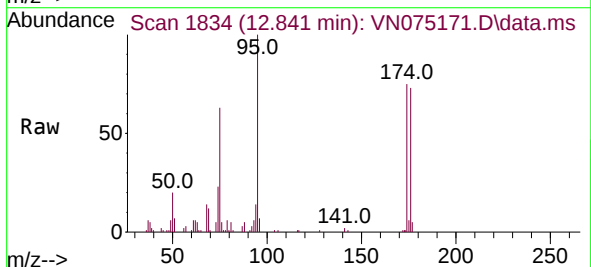
Instrument :
MSVOA_N
ClientSampleId :
PB148795TB

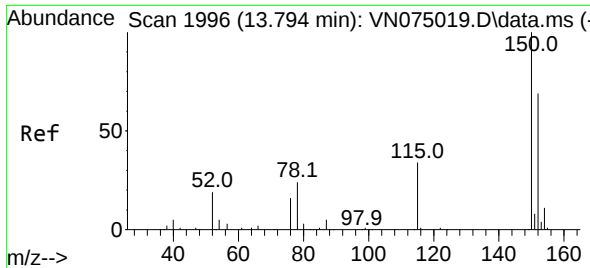
Tgt Ion:117 Resp: 174509
Ion Ratio Lower Upper
117 100
82 54.3 43.1 64.7
119 33.8 25.5 38.3



#71
Bromoform
Concen: 0.613 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion:173 Resp: 634
Ion Ratio Lower Upper
173 100
175 612.1 24.6 74.0#
254 0.0 0.0 0.0

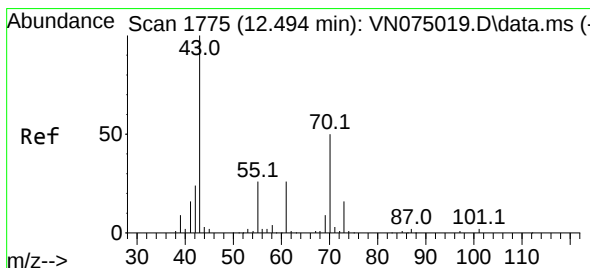
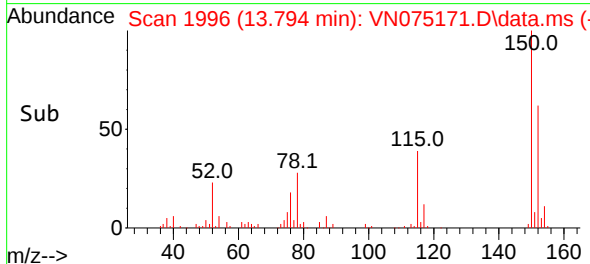
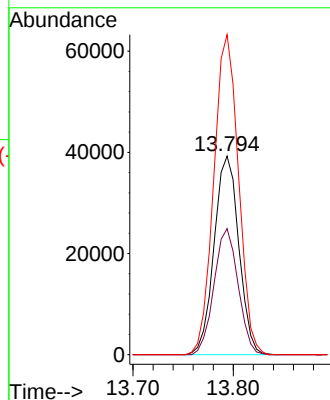
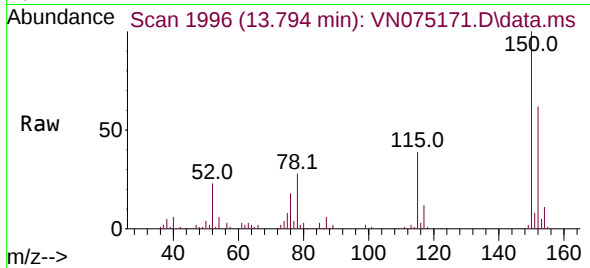




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

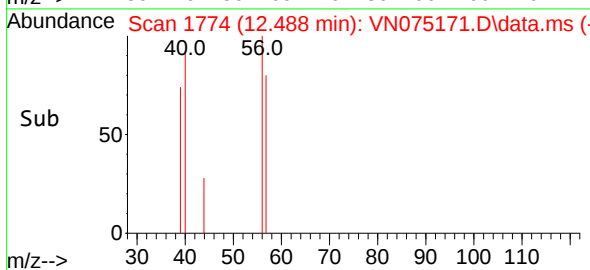
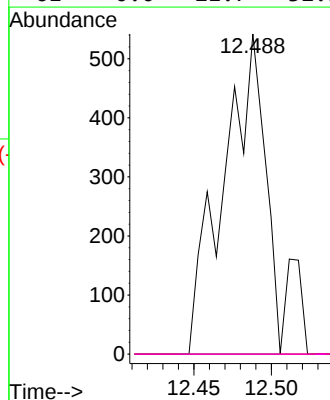
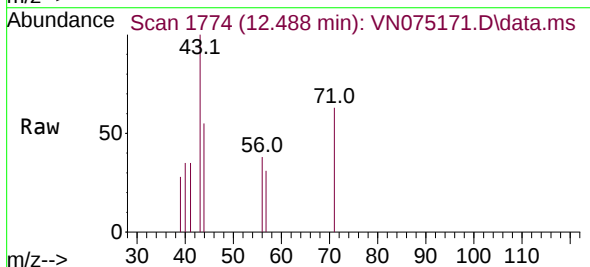
Instrument :
MSVOA_N
ClientSampleId :
PB148795TB

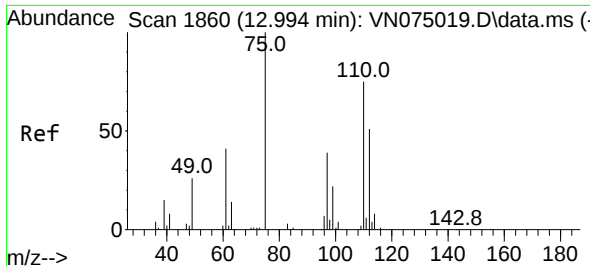
Tgt Ion:152 Resp: 66992
Ion Ratio Lower Upper
152 100
115 62.0 30.2 90.6
150 160.9 0.0 348.4



#74
N-ethyl acetate
Concen: 0.510 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 43 Resp: 1014
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#

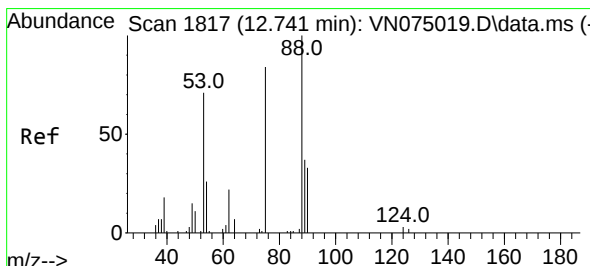
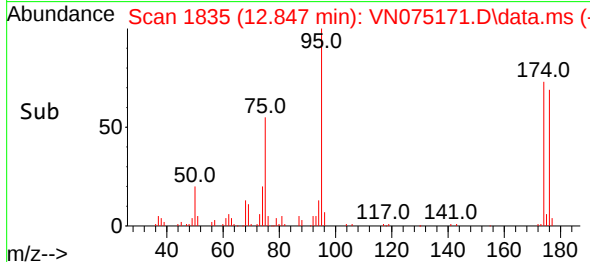
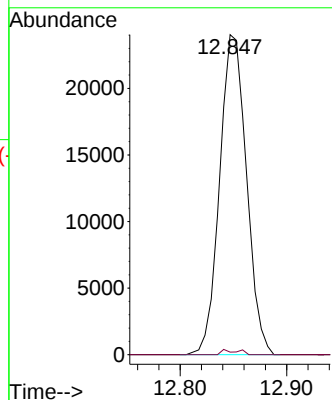
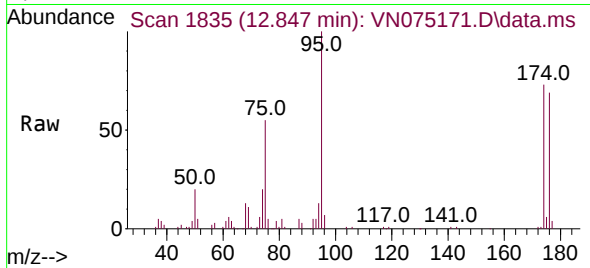




#76
1,2,3-Trichloropropane
Concen: 29.586 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Instrument :
MSVOA_N
ClientSampleId :
PB148795TB

Tgt Ion: 75 Resp: 42084
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.948 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075171.D
Acq: 04 Nov 2022 13:45

Tgt Ion: 75 Resp: 42084
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

