

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111522\
 Data File : VN075284.D
 Acq On : 15 Nov 2022 15:21
 Operator : JC\MD
 Sample : PB149039TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149039TB

Quant Time: Nov 16 01:03:09 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

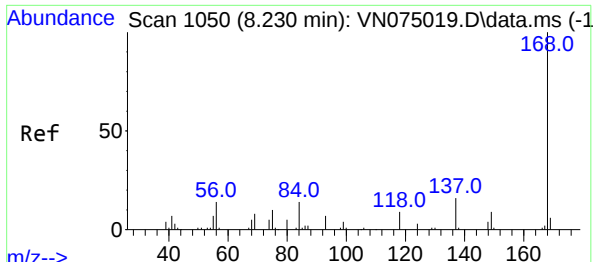
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	156373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	104925	49.800	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.600%
35) Dibromofluoromethane	8.171	113	87495	52.254	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.500%
50) Toluene-d8	10.565	98	340693	52.444	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.880%
62) 4-Bromofluorobenzene	12.847	95	113189	49.600	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.200%
Target Compounds						
					Qvalue	
5) Bromomethane	2.942	94	70	Below Cal	#	5
6) Chloroethane	2.854	64	18340	8.297	ug/l #	56
11) Tert butyl alcohol	5.518	59	1572	3.199	ug/l #	72
16) Acetone	4.442	43	13095	14.678	ug/l #	83
18) Methyl Acetate	5.053	43	2344	0.804	ug/l #	47
20) Methylene Chloride	5.277	84	8507	4.277	ug/l	92
25) 2-Butanone	7.506	43	1416	1.009	ug/l #	43
31) Cyclohexane	8.230	56	3164	1.010	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12664	4.885	ug/l #	50
37) Ethyl Acetate	7.565	43	19399	6.824	ug/l	100
38) Carbon Tetrachloride	8.224	117	16654	5.840	ug/l #	16
43) Isopropyl Acetate	8.688	43	86751	19.672	ug/l #	92
45) 1,2-Dichloropropane	9.741	63	1202	0.636	ug/l #	42
48) Methyl methacrylate	9.741	41	76775	37.954	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	66744	23.455	ug/l #	44
53) t-1,3-Dichloropropene	10.724	75	707	0.235	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	38149	11.957	ug/l #	63
56) Ethyl methacrylate	10.977	69	723	0.225	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5109	1.458	ug/l #	42
59) 2-Hexanone	11.171	43	80469	37.258	ug/l #	21
71) Bromoform	12.841	173	971	0.614	ug/l #	1
74) N-amyl acetate	12.476	43	834	0.252	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	58641	24.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58641	63.504	ug/l #	10

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

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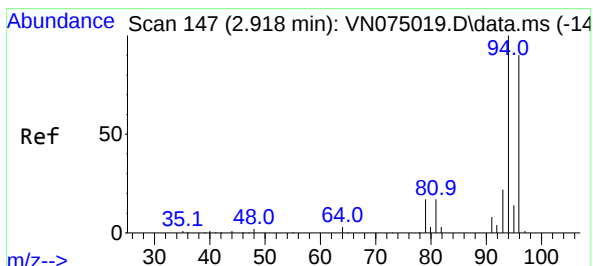
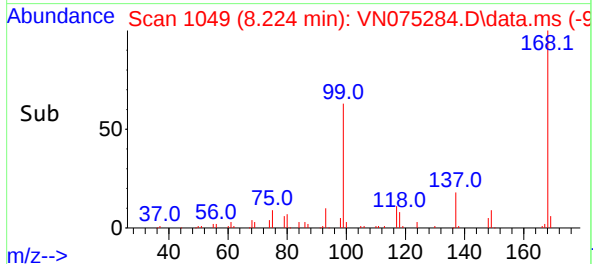
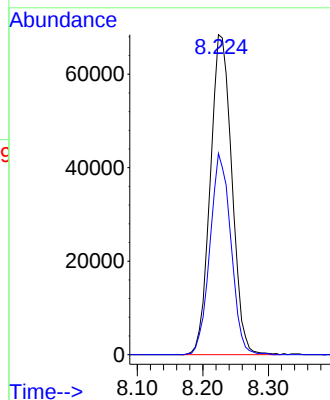
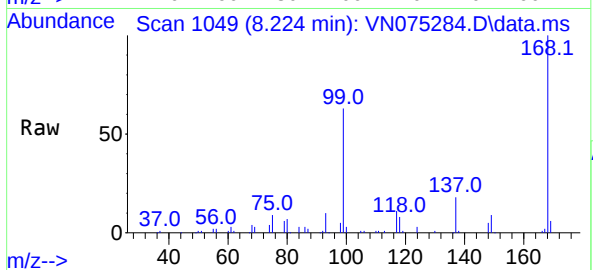




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

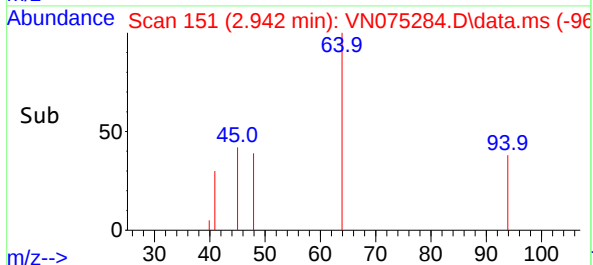
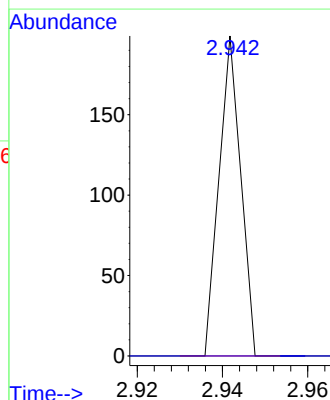
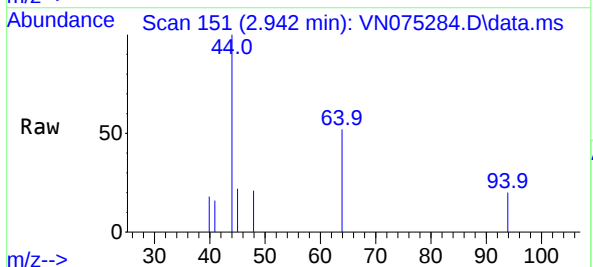
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

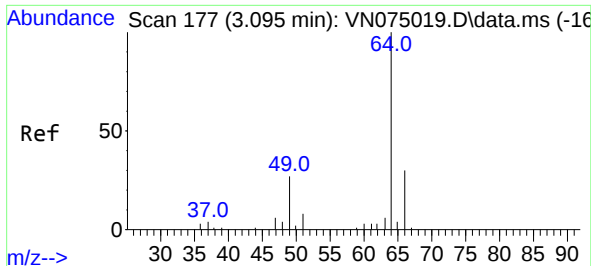
Tgt Ion:168 Resp: 156373
Ion Ratio Lower Upper
168 100
99 62.9 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 151
Delta R.T. 0.024 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 94 Resp: 70
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

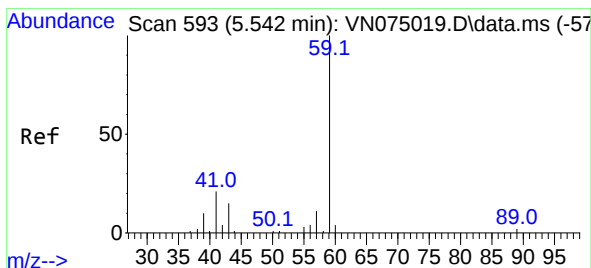
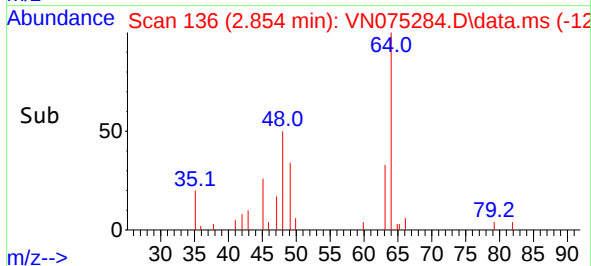
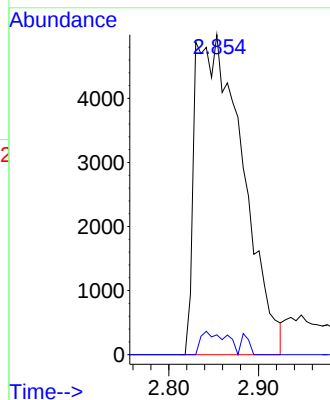
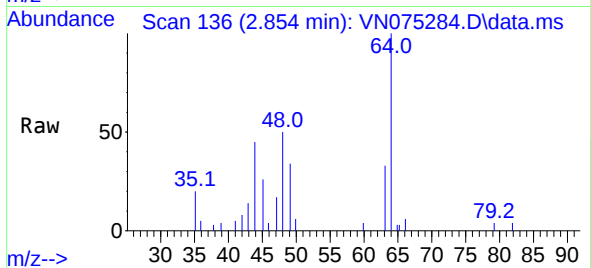




#6
Chloroethane
Concen: 8.297 ug/l
RT: 2.854 min Scan# 11
Delta R.T. -0.241 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

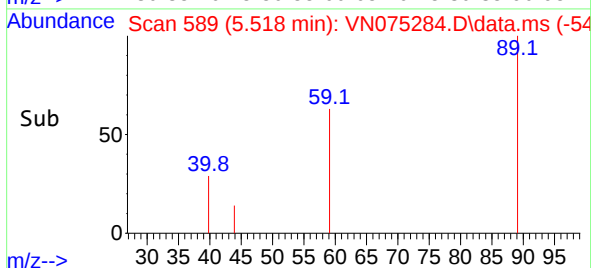
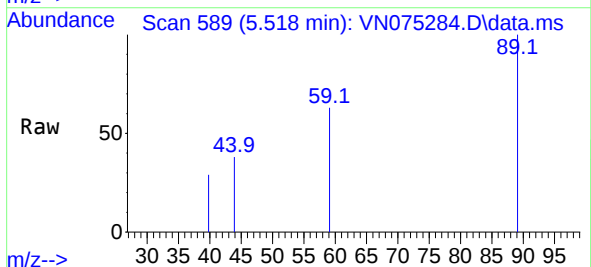
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

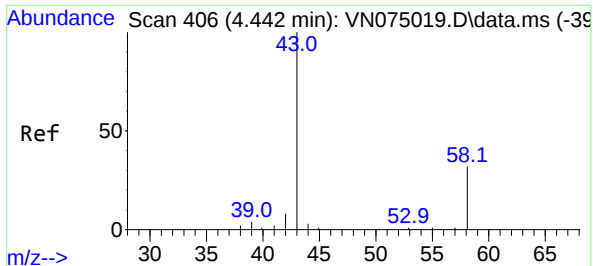
Tgt Ion: 64 Resp: 18340
Ion Ratio Lower Upper
64 100
66 6.2 23.8 35.8#



#11
Tert butyl alcohol
Concen: 3.199 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 59 Resp: 1572
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

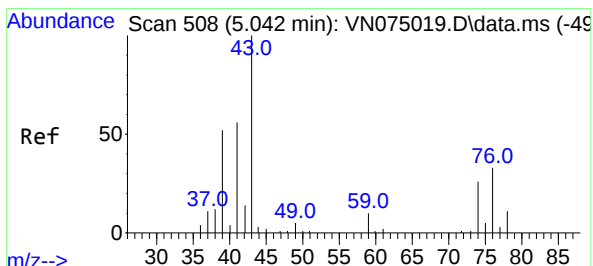
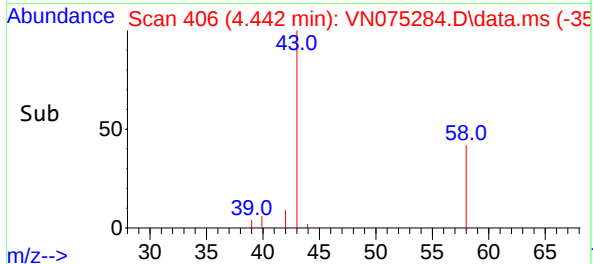
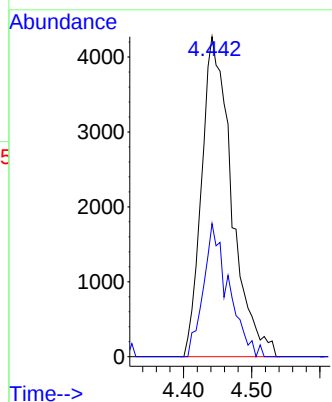
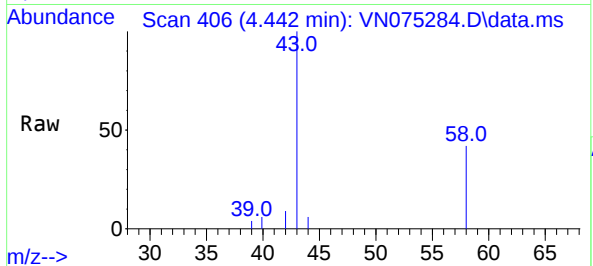




#16
Acetone
Concen: 14.678 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

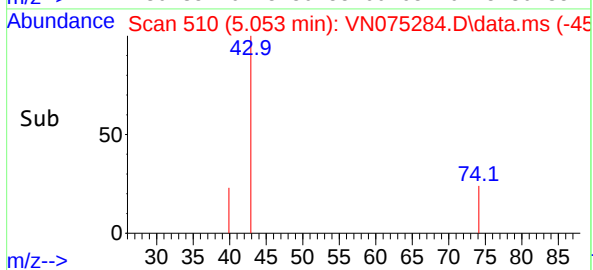
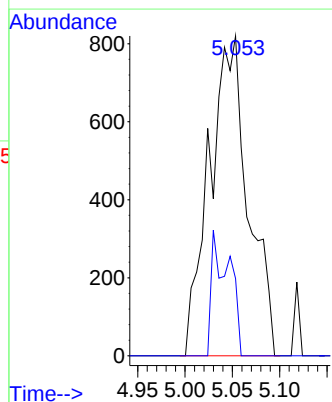
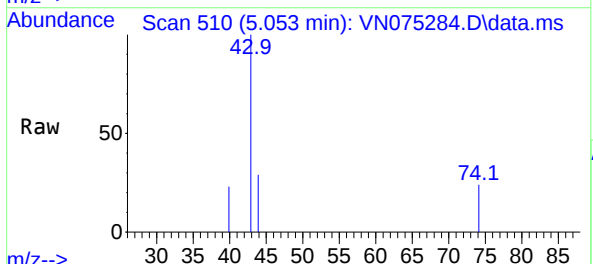
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

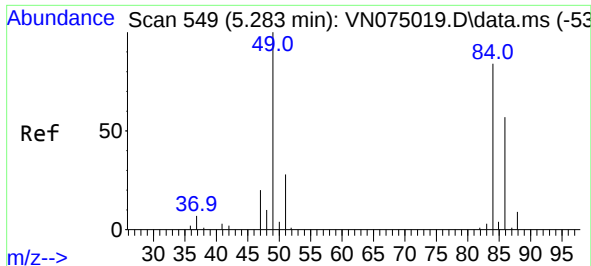
Tgt Ion: 43 Resp: 13095
Ion Ratio Lower Upper
43 100
58 41.6 25.5 38.3#



#18
Methyl Acetate
Concen: 0.804 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

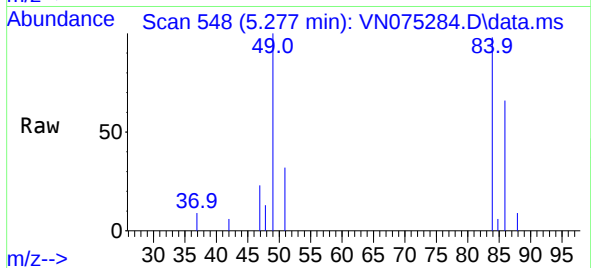
Tgt Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#





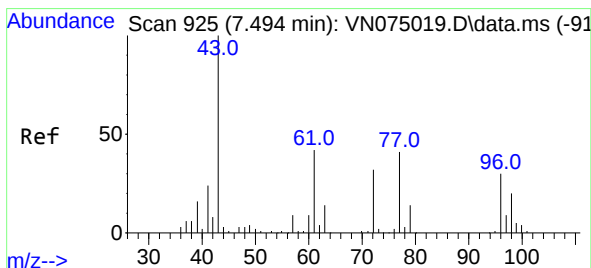
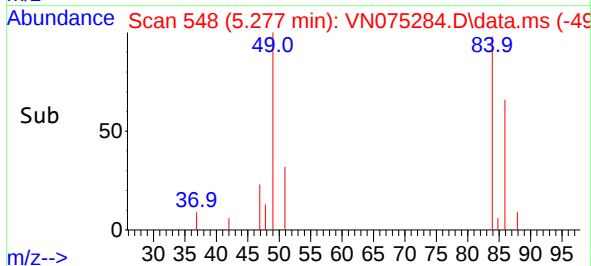
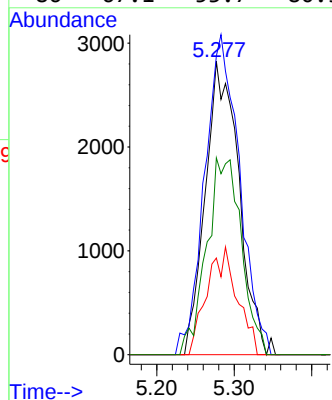
#20
Methylene Chloride
Concen: 4.277 ug/l
RT: 5.277 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Instrument :
MSVOA_N
ClientSampleId :
PB149039TB



Tgt Ion: 84 Resp: 8507

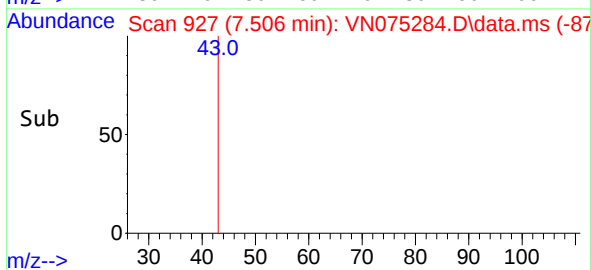
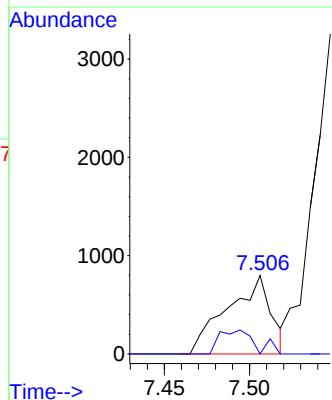
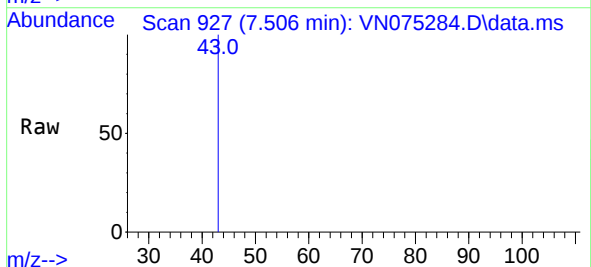
Ion	Ratio	Lower	Upper
84	100		
49	101.9	94.9	142.3
51	33.0	26.8	40.2
86	67.1	53.7	80.5

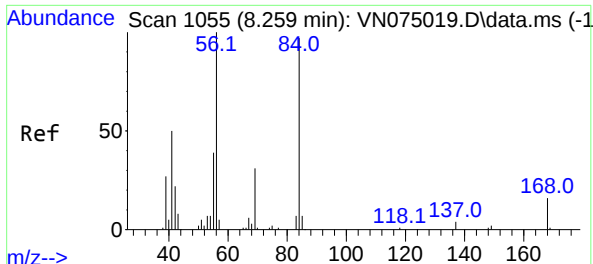


#25
2-Butanone
Concen: 1.009 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 43 Resp: 1416

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

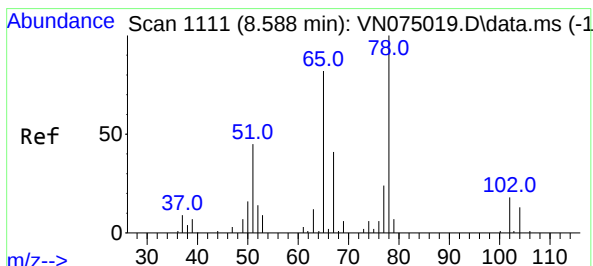
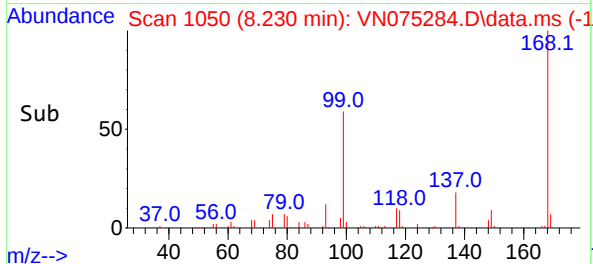
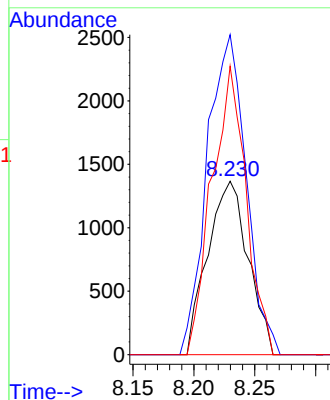
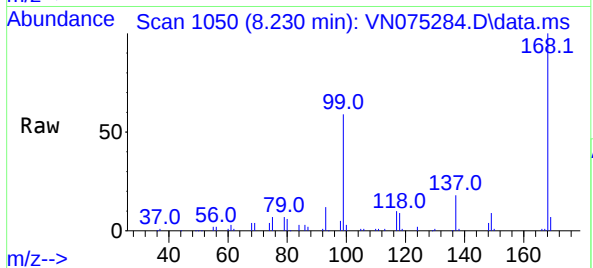




#31
Cyclohexane
Concen: 1.010 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

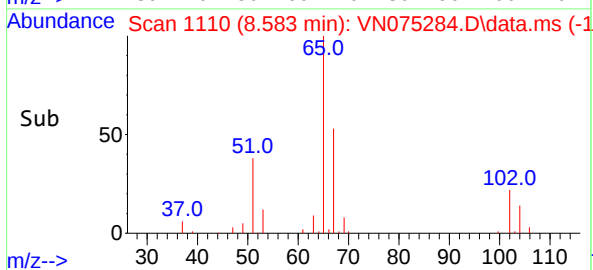
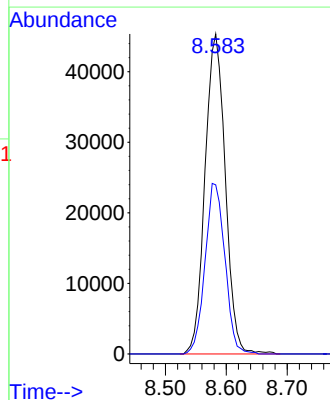
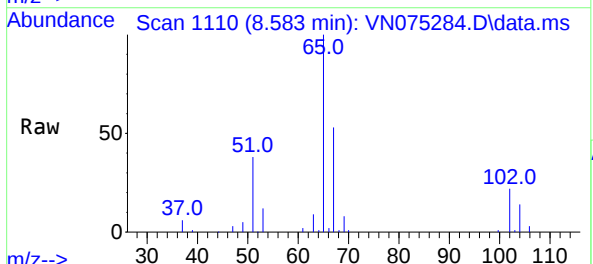
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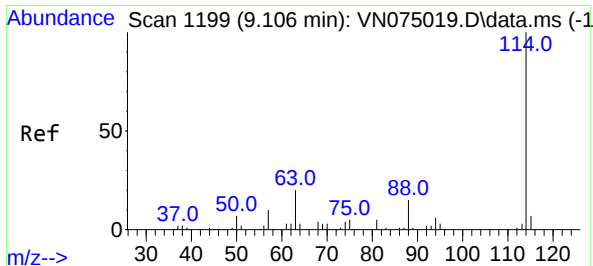
Tgt Ion: 56 Resp: 3164
Ion Ratio Lower Upper
56 100
69 184.5 25.2 37.8#
84 166.3 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 49.800 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 65 Resp: 104925
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0

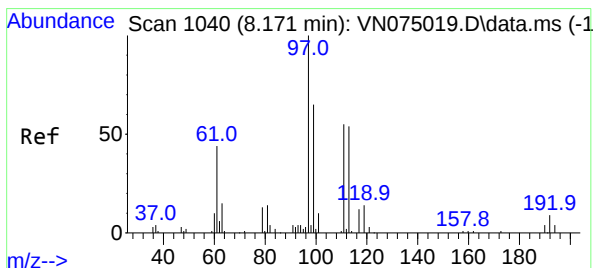
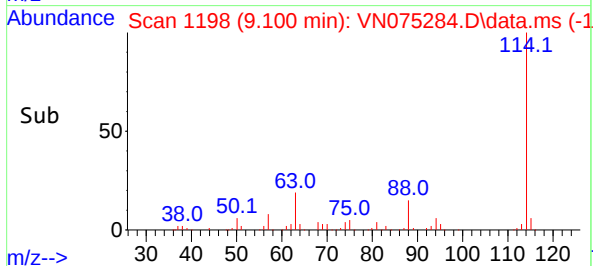
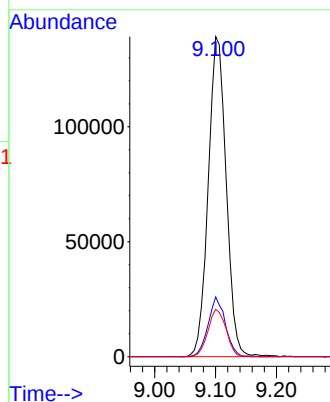
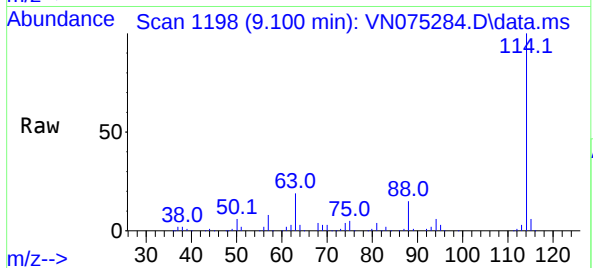




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

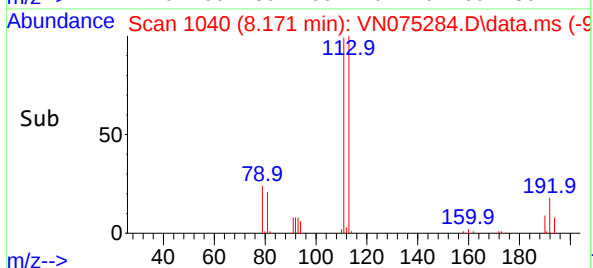
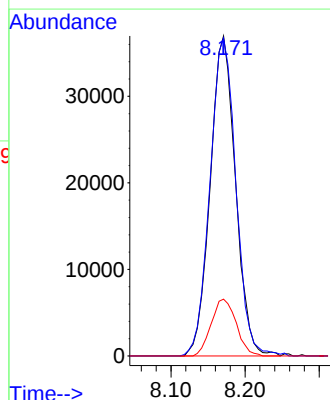
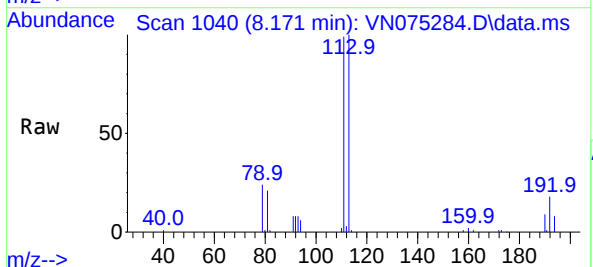
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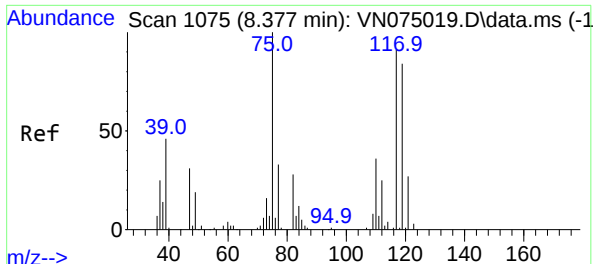
Tgt Ion:114 Resp: 285228
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.6
88 14.8 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.254 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion:113 Resp: 87495
Ion Ratio Lower Upper
113 100
111 102.1 80.5 120.7
192 17.6 13.2 19.8

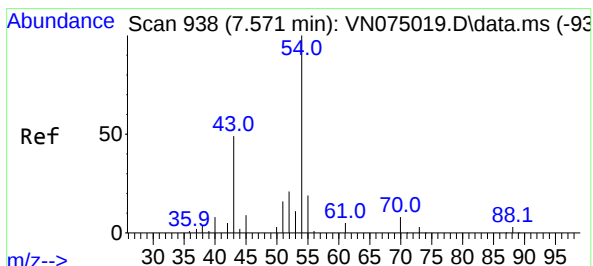
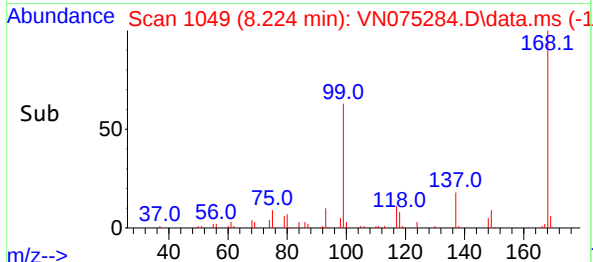
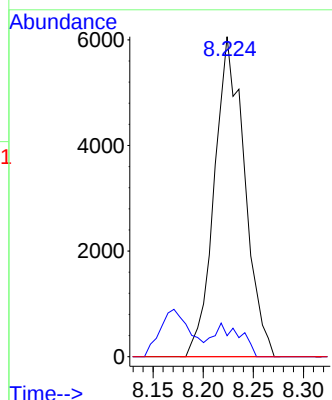
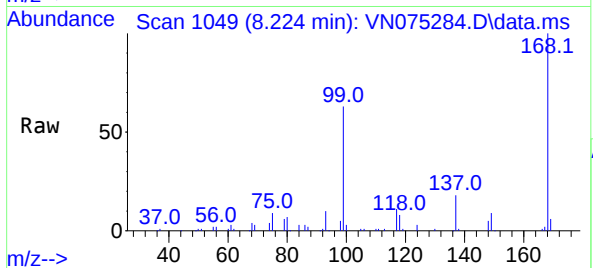




#36
1,1-Dichloropropene
Concen: 4.885 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

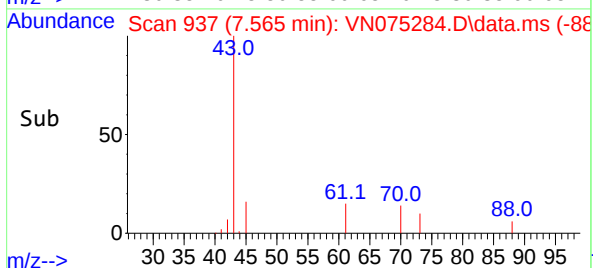
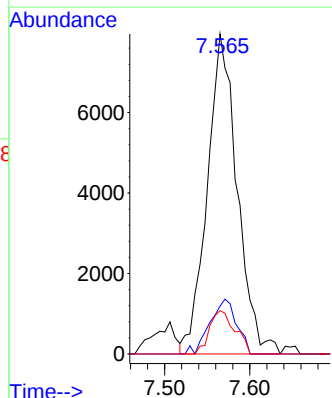
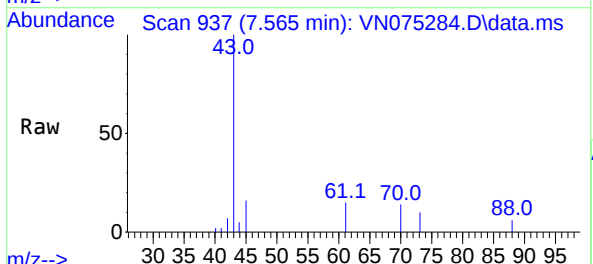
Instrument :
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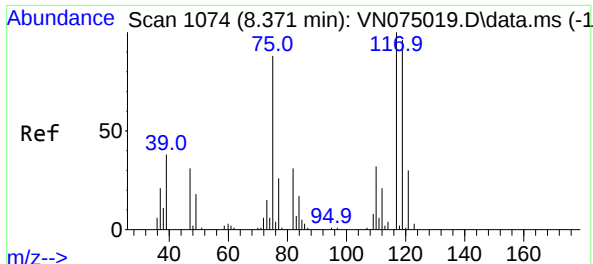
Tgt Ion: 75 Resp: 12664
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 6.824 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 43 Resp: 19399
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.4
70 11.5 9.4 14.2

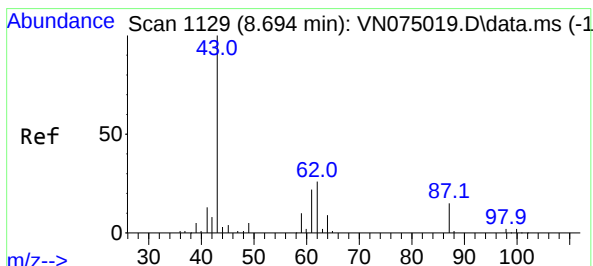
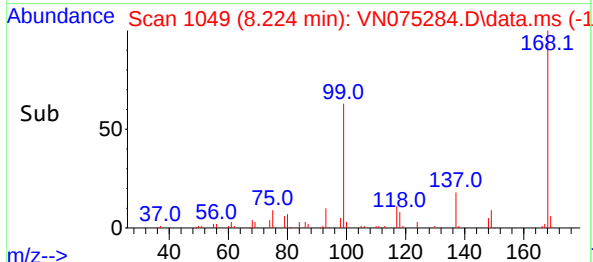
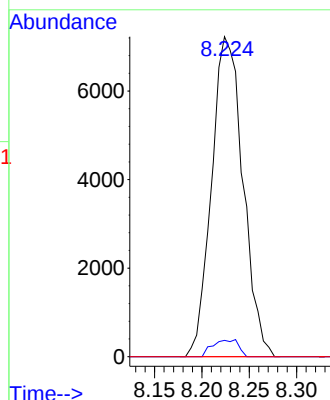
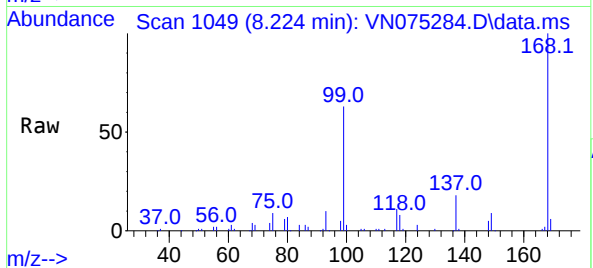




#38
Carbon Tetrachloride
Concen: 5.840 ug/l
RT: 8.224 min Scan# 1074
Delta R.T. -0.147 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

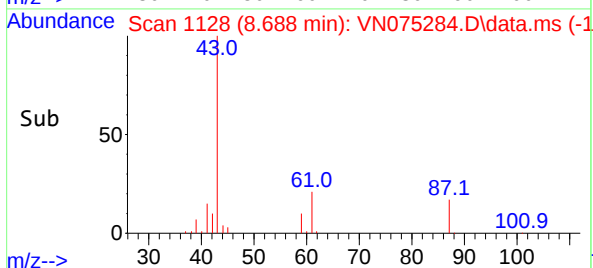
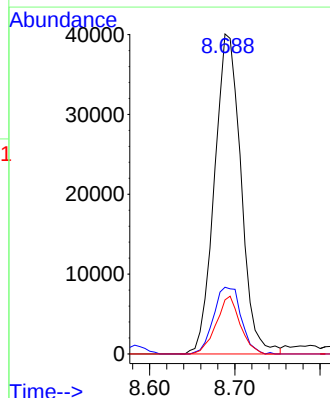
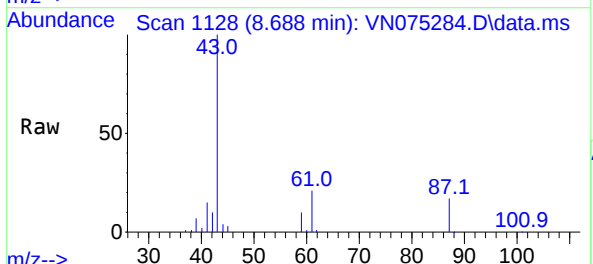
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

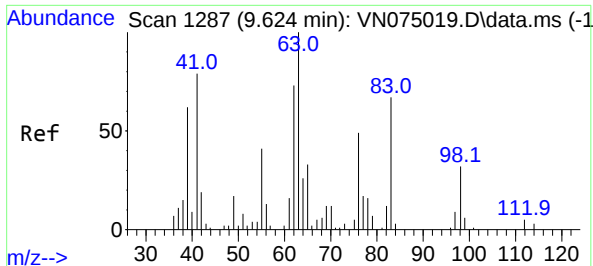
Tgt Ion:117 Resp: 16654
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 19.672 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 43 Resp: 86751
Ion Ratio Lower Upper
43 100
61 21.7 22.4 33.6#
87 16.3 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.636 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.117 min

Lab File: VN075284.D

Acq: 15 Nov 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

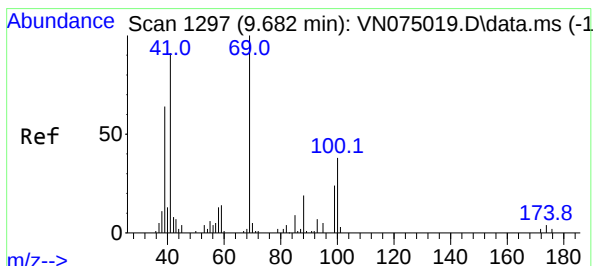
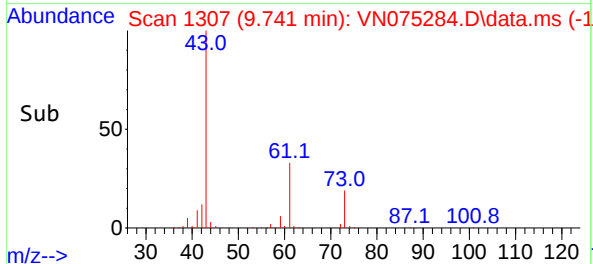
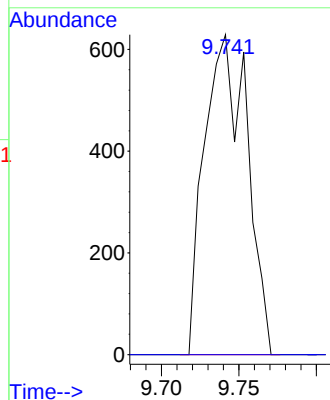
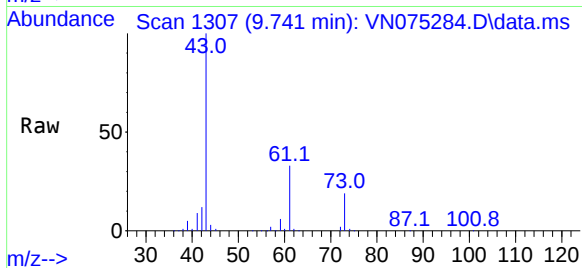
PB149039TB

Tgt Ion: 63 Resp: 1202

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 37.954 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.059 min

Lab File: VN075284.D

Acq: 15 Nov 2022 15:21

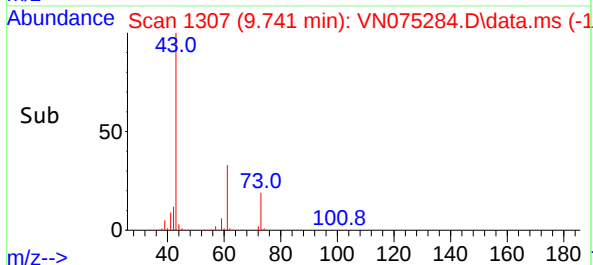
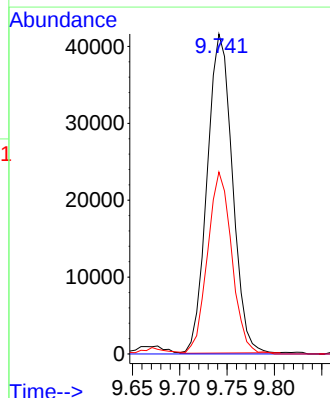
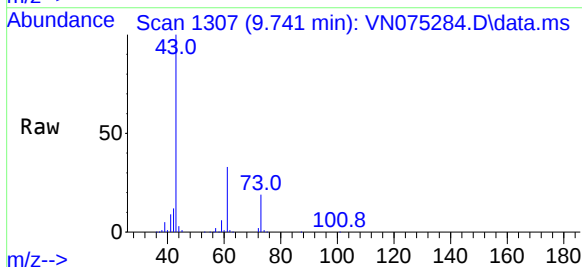
Tgt Ion: 41 Resp: 76775

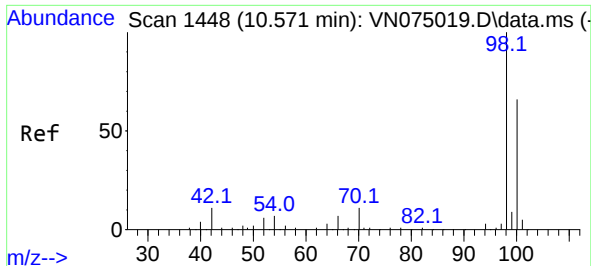
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.0 56.2 84.2#

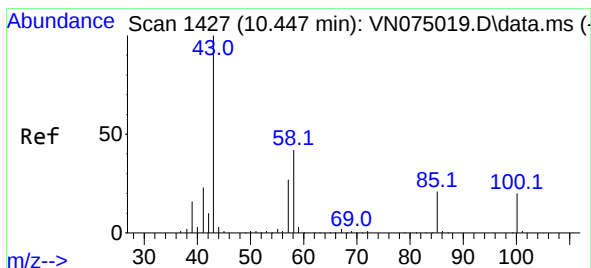
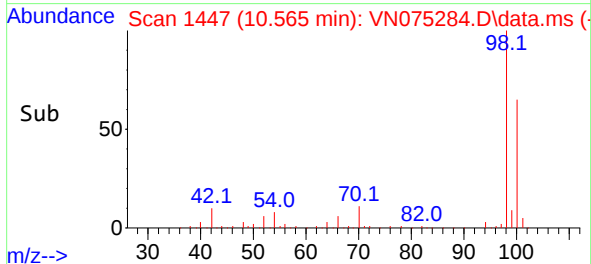
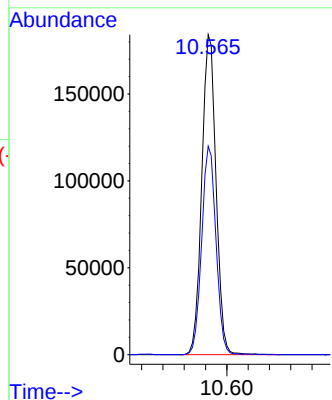
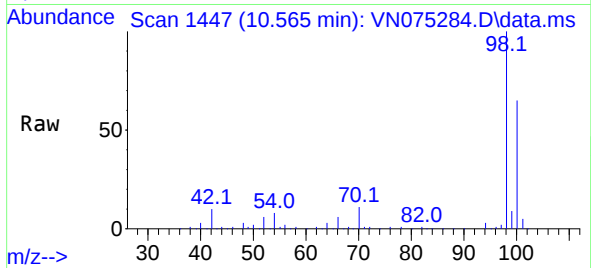




#50
Toluene-d8
Concen: 52.444 ug/l
RT: 10.565 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

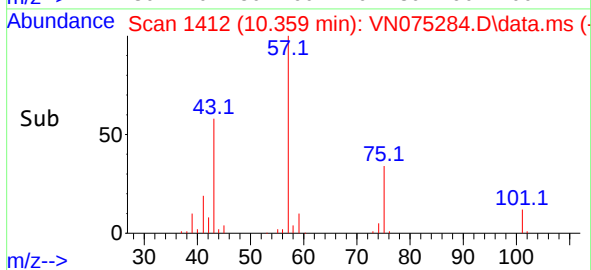
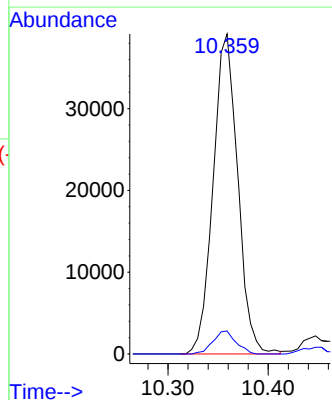
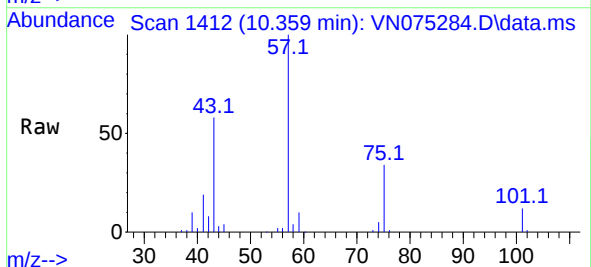
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

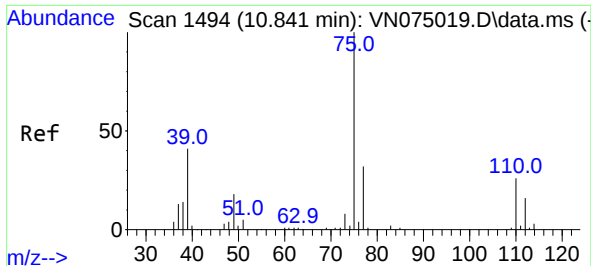
Tgt Ion: 98 Resp: 340693
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 23.455 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 43 Resp: 66744
Ion Ratio Lower Upper
43 100
58 6.7 33.6 50.4#

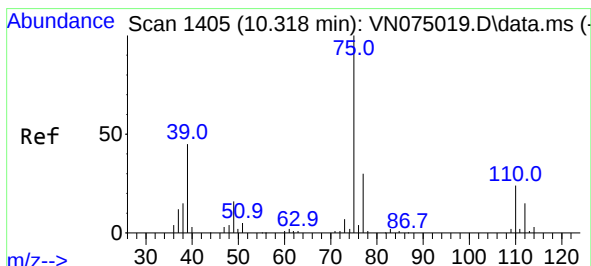
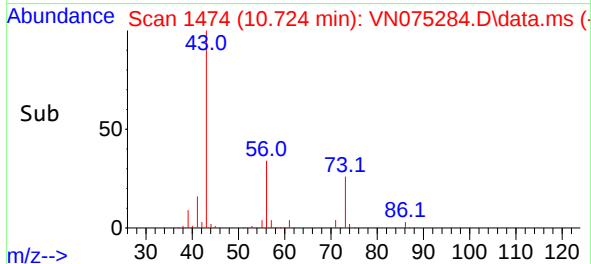
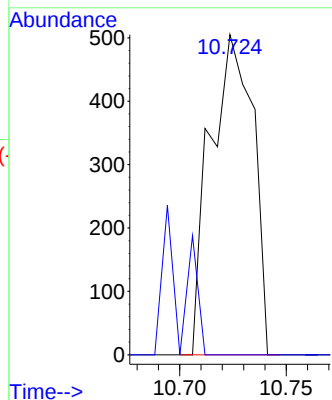
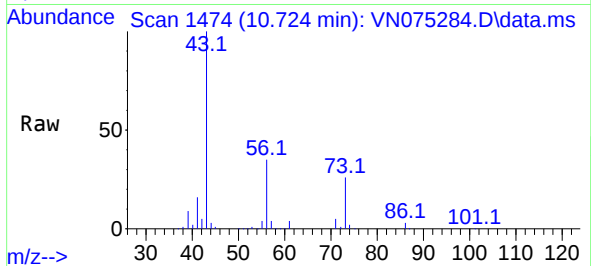




#53
 t-1,3-Dichloropropene
 Concen: 0.235 ug/l
 RT: 10.724 min Scan# 1412
 Delta R.T. -0.117 min
 Lab File: VN075284.D
 Acq: 15 Nov 2022 15:21

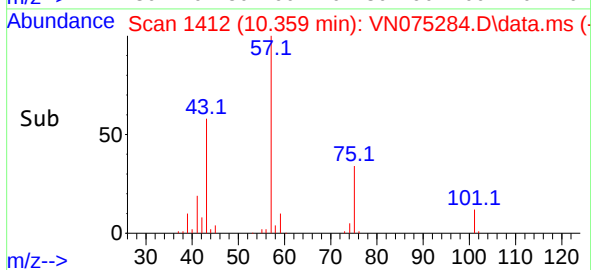
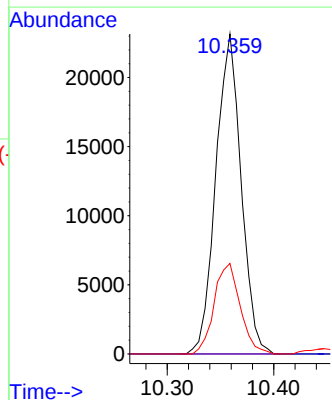
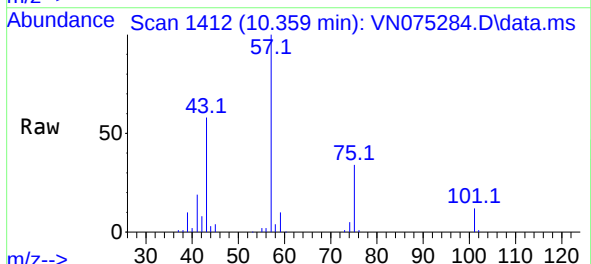
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149039TB

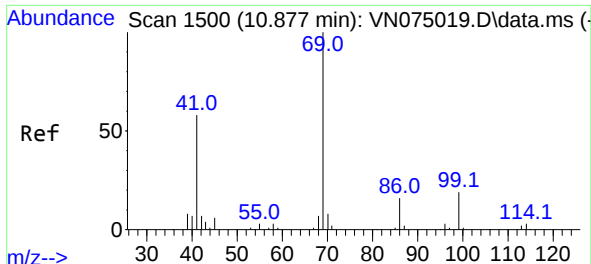
Tgt Ion: 75 Resp: 707
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 11.957 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075284.D
 Acq: 15 Nov 2022 15:21

Tgt Ion: 75 Resp: 38149
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.3 35.8 53.6#

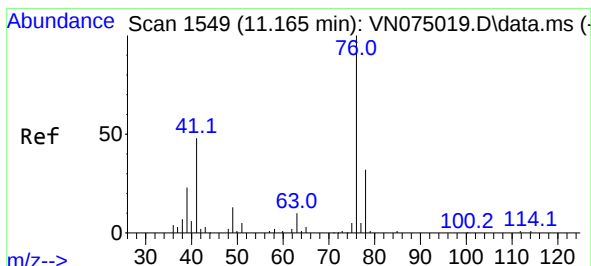
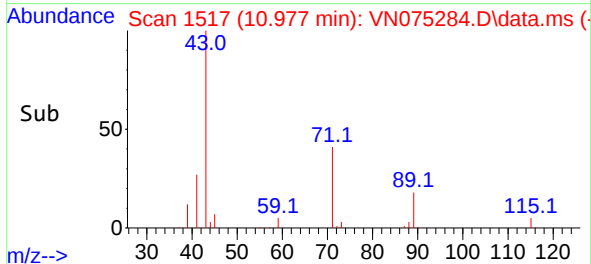
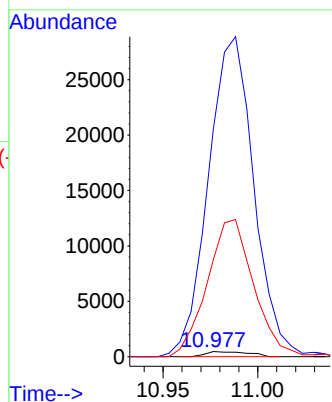
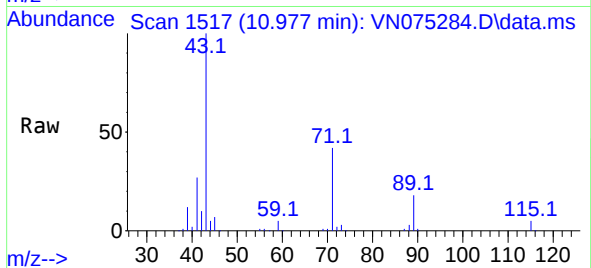




#56
Ethyl methacrylate
Concen: 0.225 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

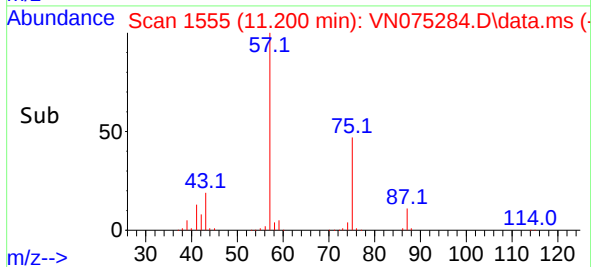
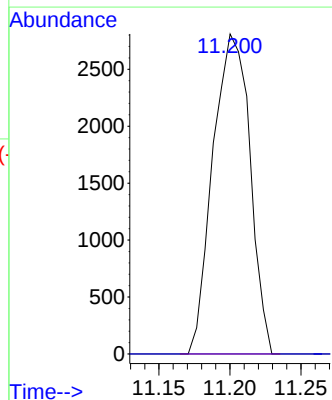
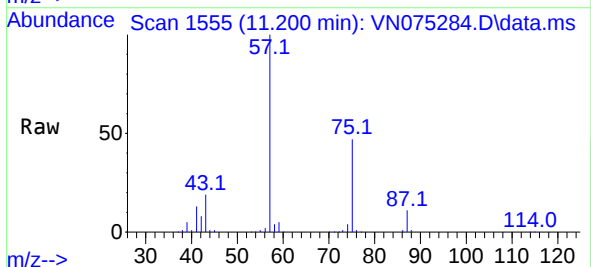
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

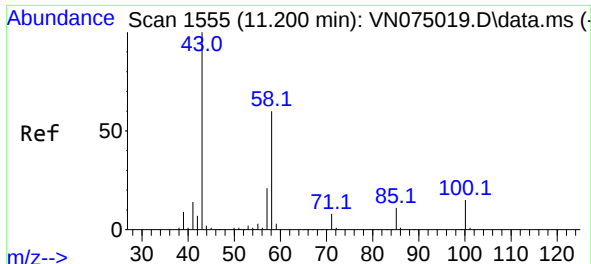
Tgt Ion: 69 Resp: 723
Ion Ratio Lower Upper
69 100
41 6707.1 45.6 68.4#
39 2929.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.458 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 76 Resp: 5109
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

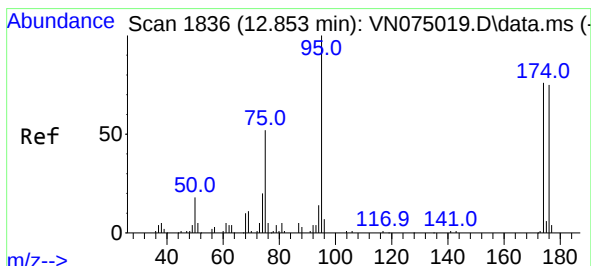
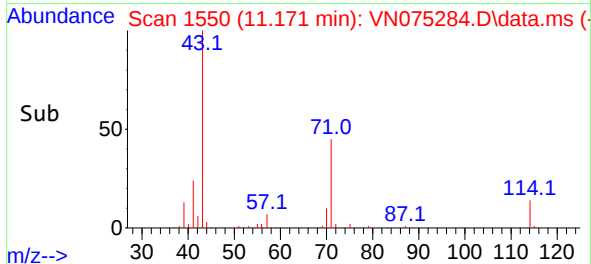
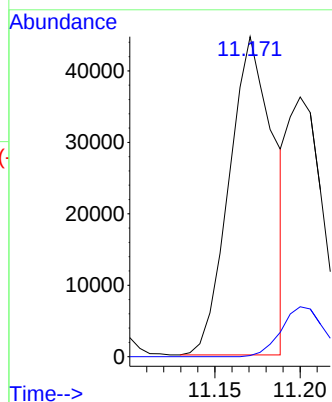
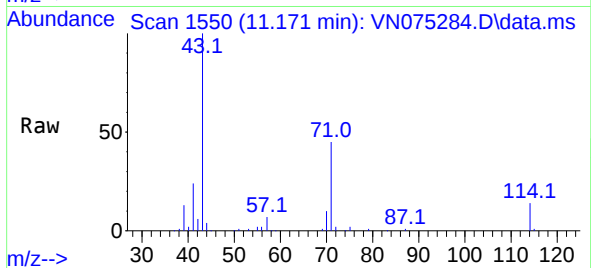




#59
2-Hexanone
Concen: 37.258 ug/l
RT: 11.171 min Scan# 1115
Delta R.T. -0.029 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

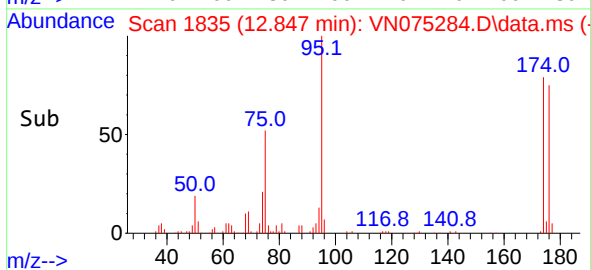
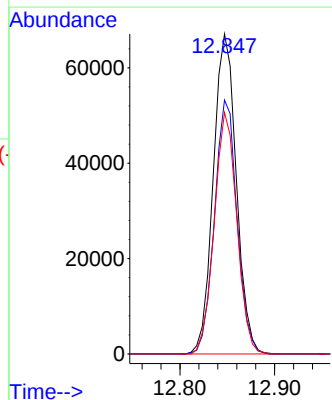
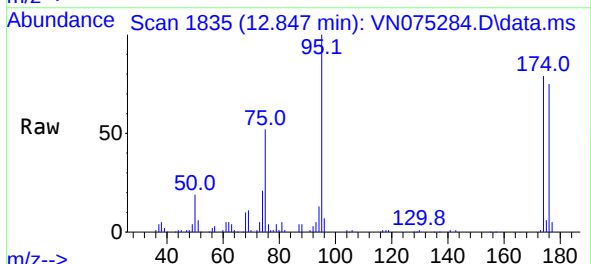
Instrument :
MSVOA_N
ClientSampleId :
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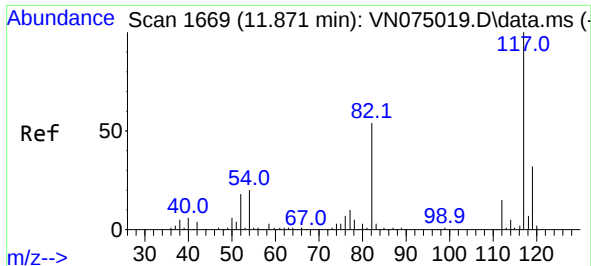
Tgt Ion: 43 Resp: 80469
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.600 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 95 Resp: 113189
Ion Ratio Lower Upper
95 100
174 77.9 0.0 147.4
176 73.9 0.0 142.2

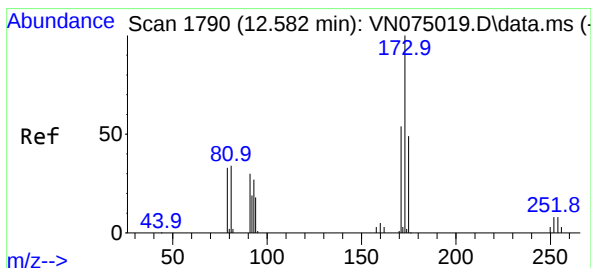
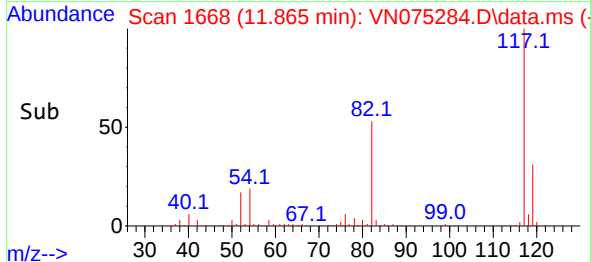
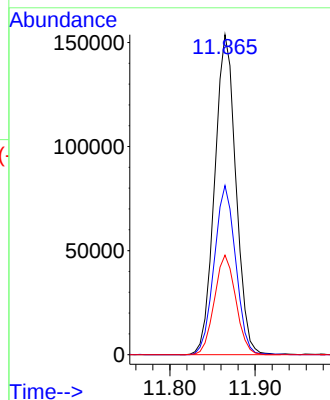
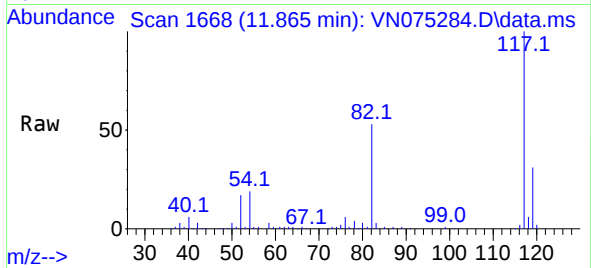




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

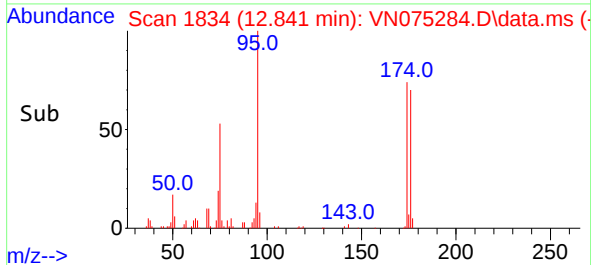
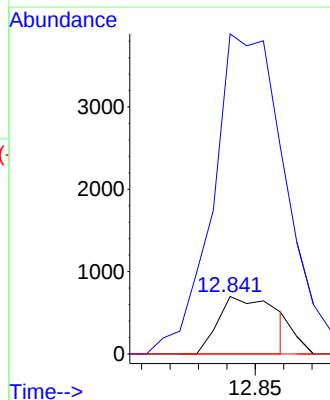
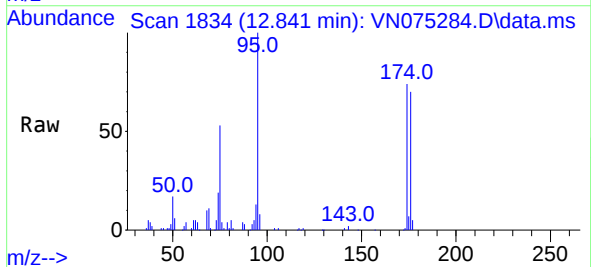
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

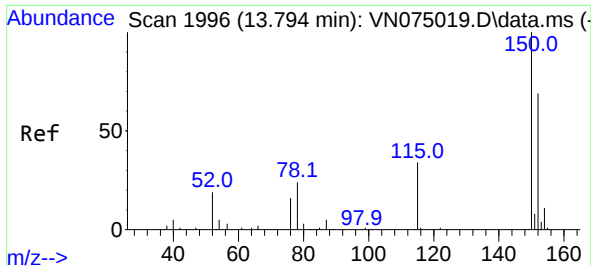
Tgt Ion:117 Resp: 266677
Ion Ratio Lower Upper
117 100
82 52.9 43.1 64.7
119 31.1 25.5 38.3



#71
Bromoform
Concen: 0.614 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion:173 Resp: 971
Ion Ratio Lower Upper
173 100
175 623.9 24.6 74.0#
254 0.0 0.0 0.0

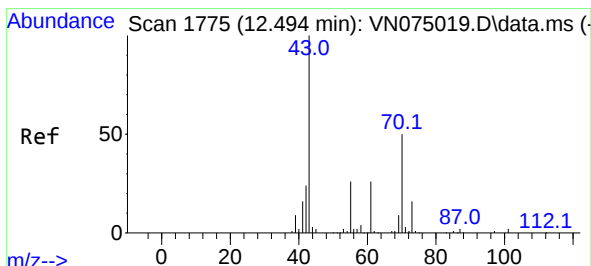
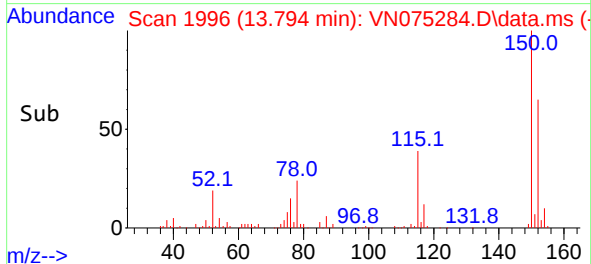
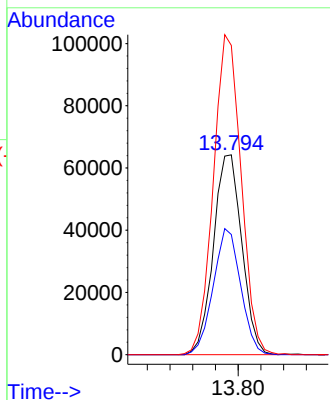
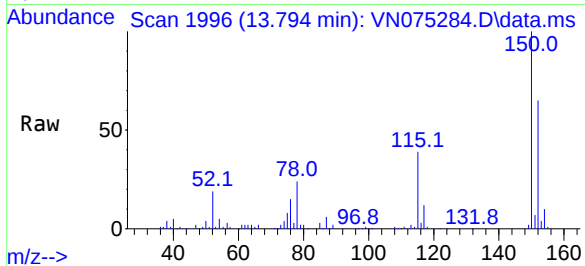




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

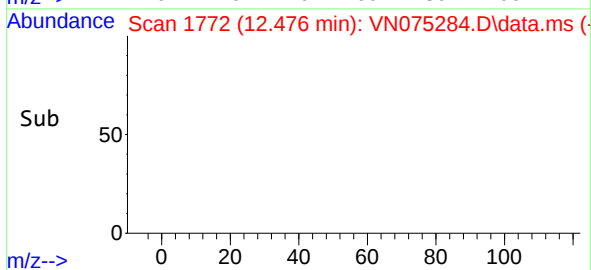
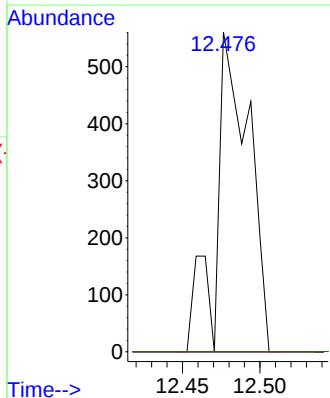
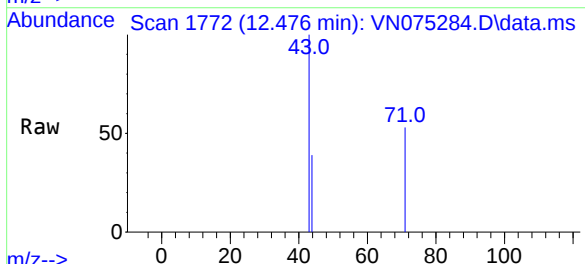
Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

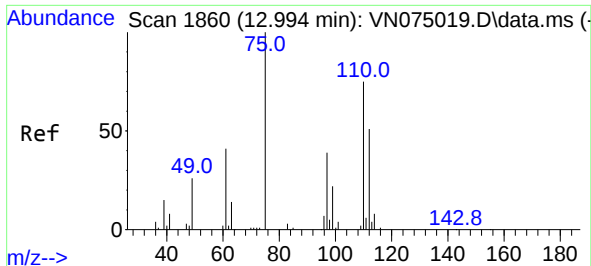
Tgt Ion:152 Resp: 111640
Ion Ratio Lower Upper
152 100
115 60.9 30.2 90.6
150 156.9 0.0 348.4



#74
N-ethyl acetate
Concen: 0.252 ug/l
RT: 12.476 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 43 Resp: 834
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#

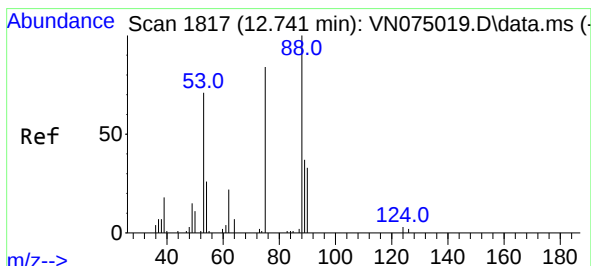
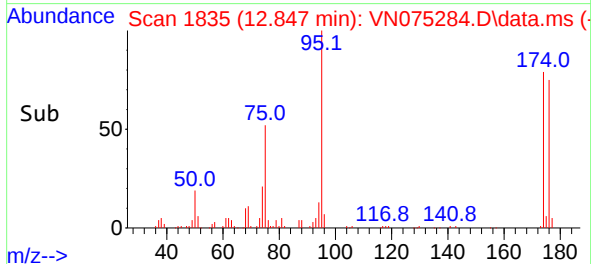
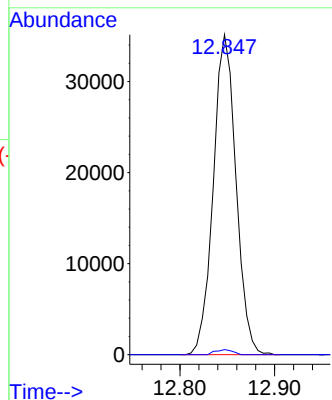
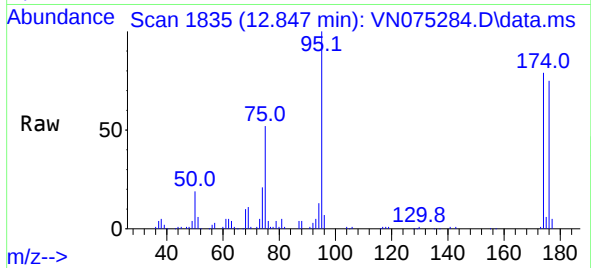




#76
1,2,3-Trichloropropane
Concen: 24.739 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Instrument :
MSVOA_N
ClientSampleId :
PB149039TB

Tgt Ion: 75 Resp: 58641
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.504 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075284.D
Acq: 15 Nov 2022 15:21

Tgt Ion: 75 Resp: 58641
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

