

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111822\
 Data File : VN075319.D
 Acq On : 18 Nov 2022 17:53
 Operator : JC\MD
 Sample : PB149142ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:09:44 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

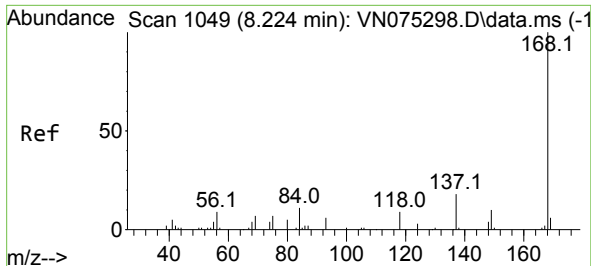
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	158142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	288607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	103846	48.736	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.480%
35) Dibromofluoromethane	8.171	113	88118	52.009	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.020%
50) Toluene-d8	10.565	98	344973	52.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.960%
62) 4-Bromofluorobenzene	12.847	95	112479	48.712	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.420%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.965	74	2243	1.931	ug/l	100
11) Tert butyl alcohol	5.495	59	951	1.914	ug/l #	72
16) Acetone	4.448	43	50542	56.019	ug/l	97
18) Methyl Acetate	5.036	43	2800	0.950	ug/l #	64
20) Methylene Chloride	5.289	84	15711	7.810	ug/l #	87
25) 2-Butanone	7.494	43	1007	0.710	ug/l #	43
31) Cyclohexane	8.230	56	3243	1.023	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11950	4.556	ug/l #	50
37) Ethyl Acetate	7.571	43	21640	7.523	ug/l	98
38) Carbon Tetrachloride	8.230	117	16968	5.881	ug/l #	16
43) Isopropyl Acetate	8.694	43	99502	22.300	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1165	0.610	ug/l #	42
48) Methyl methacrylate	9.741	41	85866	41.951	ug/l #	34
49) 1,4-Dioxane	9.747	88	72	1.343	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	3457	1.201	ug/l	100
53) t-1,3-Dichloropropene	10.724	75	728	0.239	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	39061	12.100	ug/l #	63
56) Ethyl methacrylate	10.982	69	924	0.285	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5802	1.637	ug/l #	42
59) 2-Hexanone	11.200	43	58780	26.897	ug/l #	51
71) Bromoform	12.853	173	949	0.595	ug/l #	1
74) N-amyl acetate	12.494	43	968	0.284	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	12.853	83	67	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.847	75	57842	23.742	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57842	60.945	ug/l #	10

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

Quant Time: Nov 19 05:09:44 2022
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QLast Update : Thu Oct 27 09:48:49 2022
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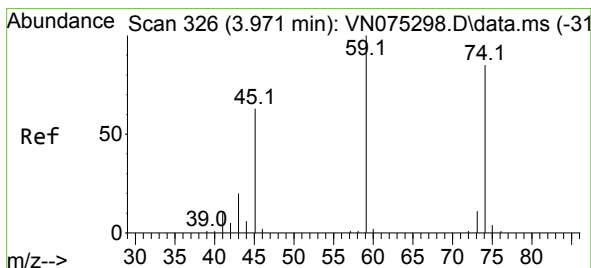
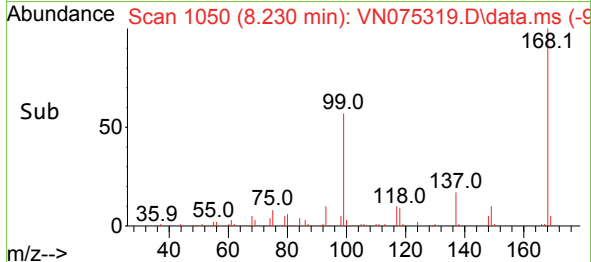
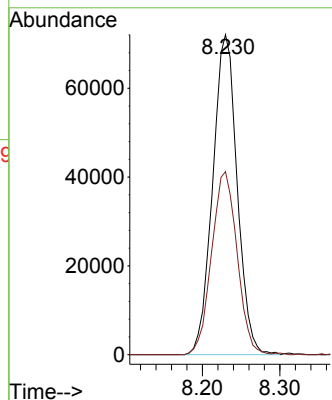
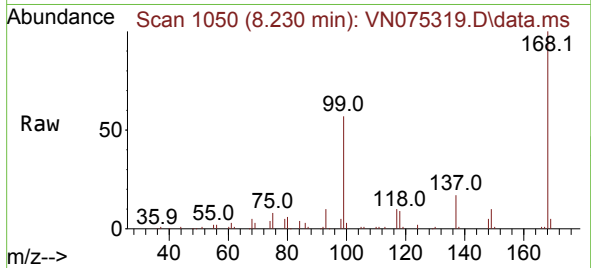




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

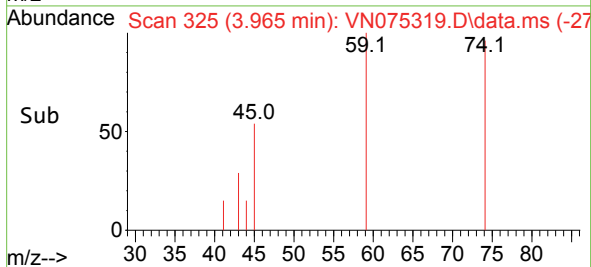
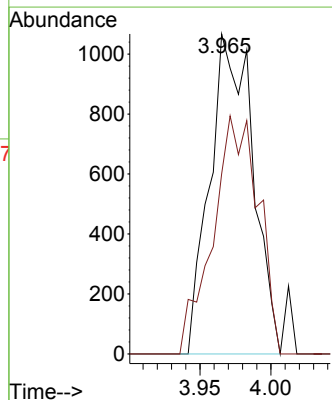
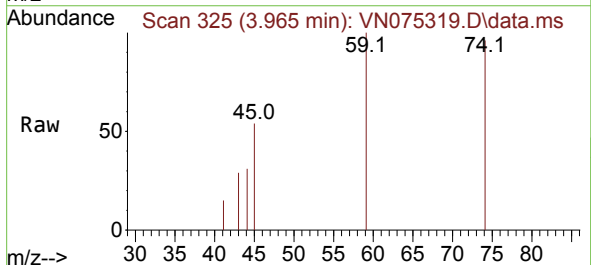
Instrument :
MSVOA_N
ClientSampleId :

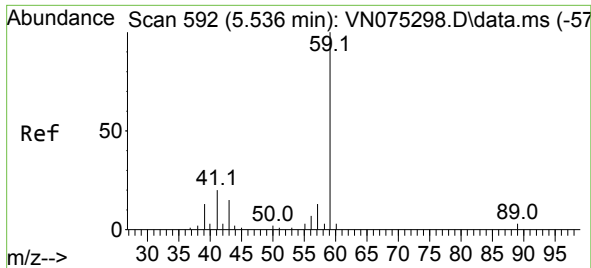
Tgt Ion:168 Resp: 158142
Ion Ratio Lower Upper
168 100
99 57.2 51.6 77.4



#8
Diethyl Ether
Concen: 1.931 ug/l
RT: 3.965 min Scan# 325
Delta R.T. -0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

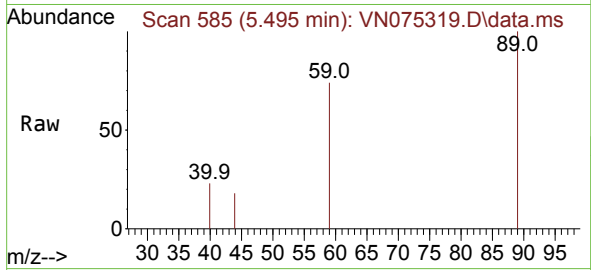
Tgt Ion: 74 Resp: 2243
Ion Ratio Lower Upper
74 100
45 79.0 39.3 117.9



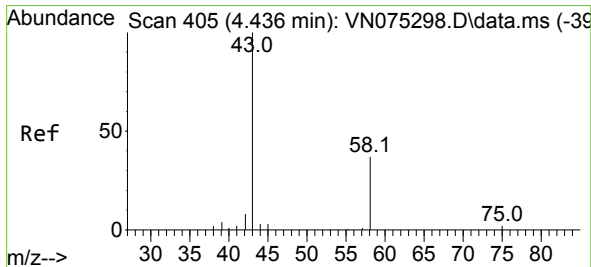
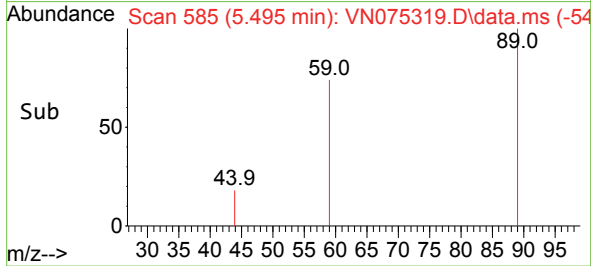
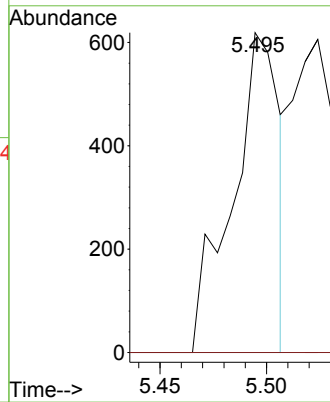


#11
Tert butyl alcohol
Concen: 1.914 ug/l
RT: 5.495 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Instrument :
MSVOA_N
ClientSampleId :

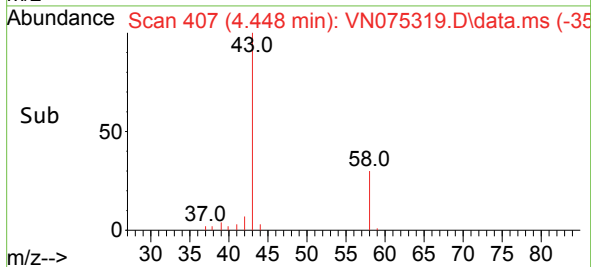
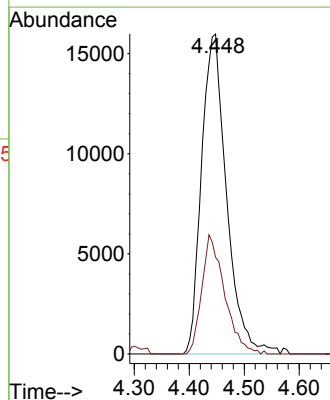
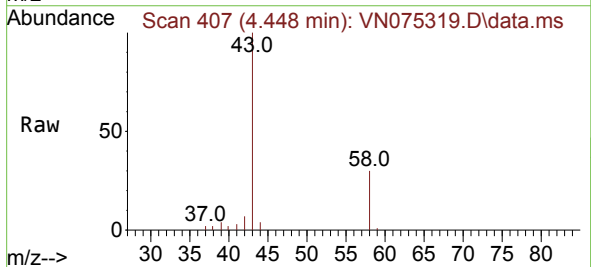


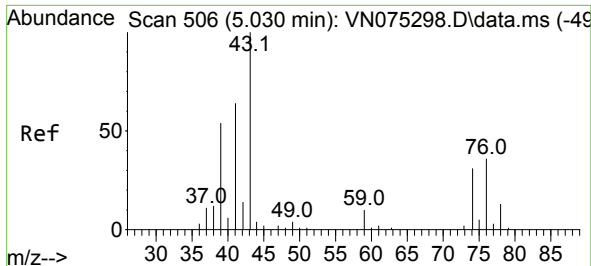
Tgt Ion: 59 Resp: 951
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 56.019 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 43 Resp: 50542
Ion Ratio Lower Upper
43 100
58 30.2 25.5 38.3

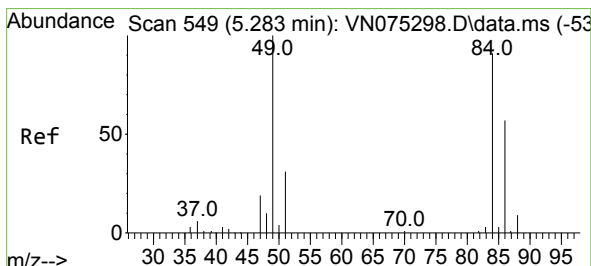
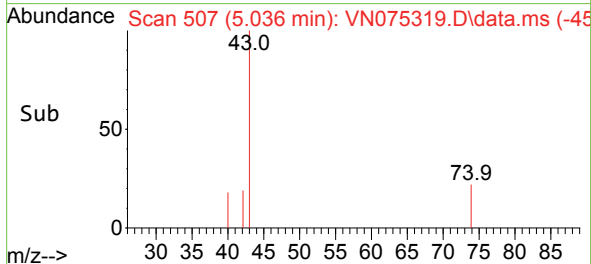
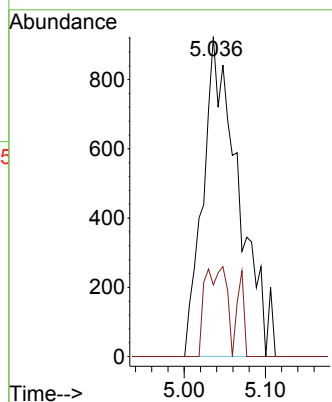
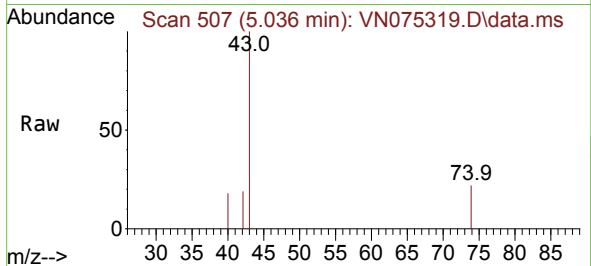




#18
Methyl Acetate
Concen: 0.950 ug/l
RT: 5.036 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

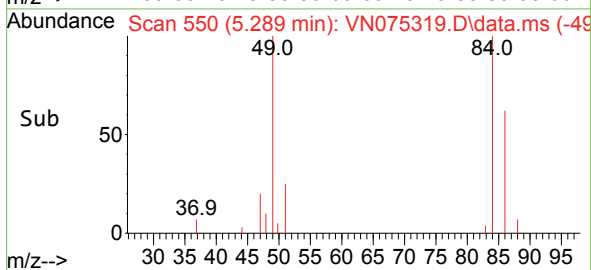
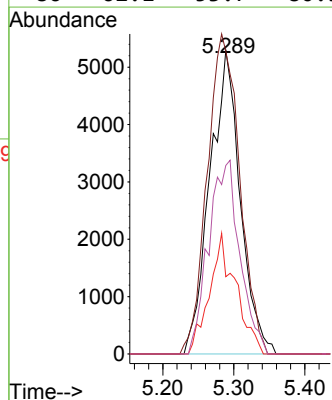
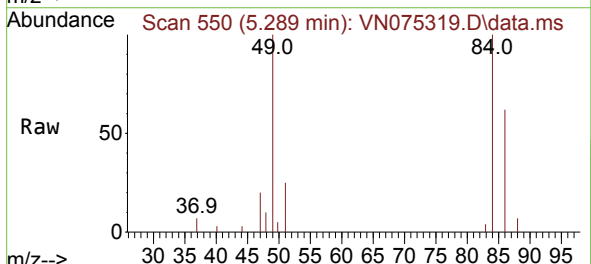
Instrument :
MSVOA_N
ClientSampleId :

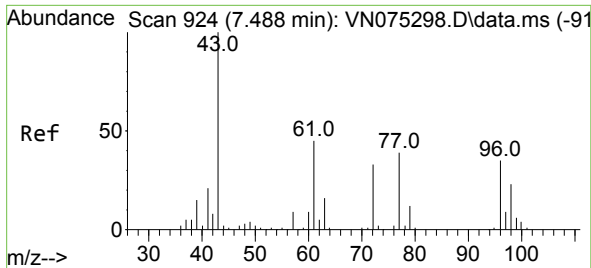
Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
74 8.5 22.0 33.0#



#20
Methylene Chloride
Concen: 7.810 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 84 Resp: 15711
Ion Ratio Lower Upper
84 100
49 99.7 94.9 142.3
51 25.5 26.8 40.2#
86 62.1 53.7 80.5

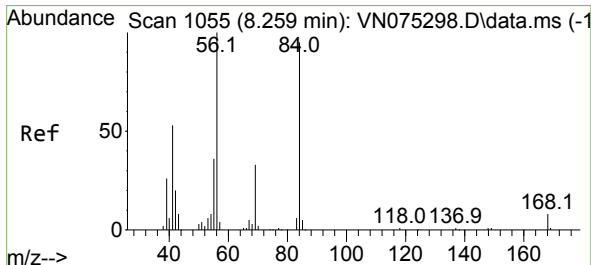
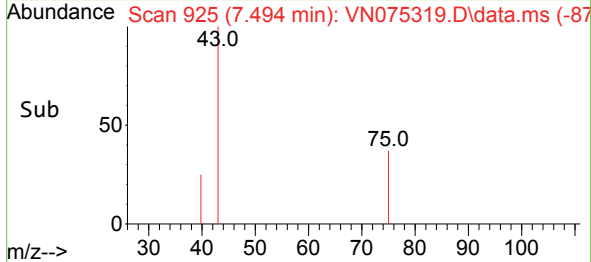
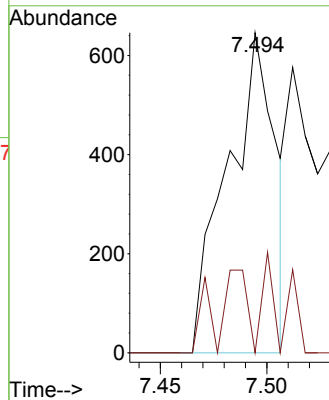
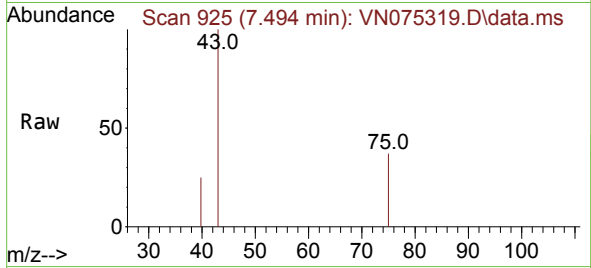




#25
2-Butanone
Concen: 0.710 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

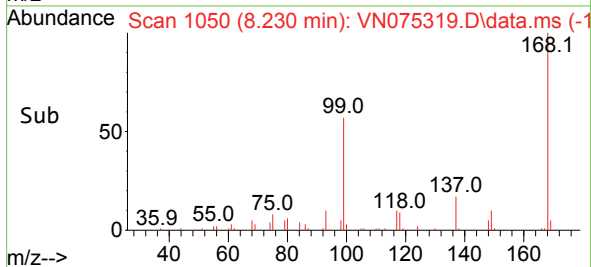
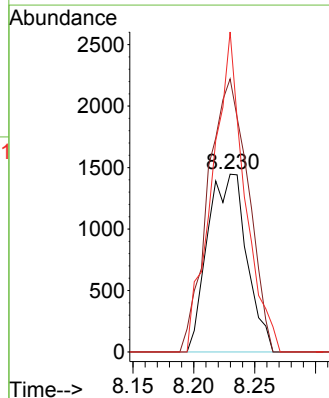
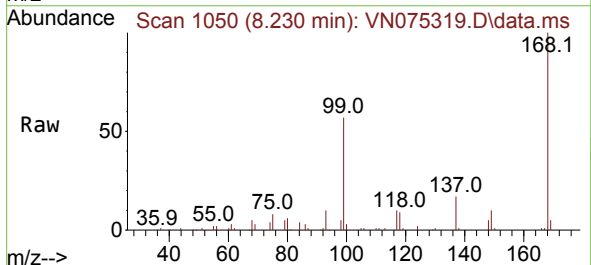
Instrument :
MSVOA_N
ClientSampleId :

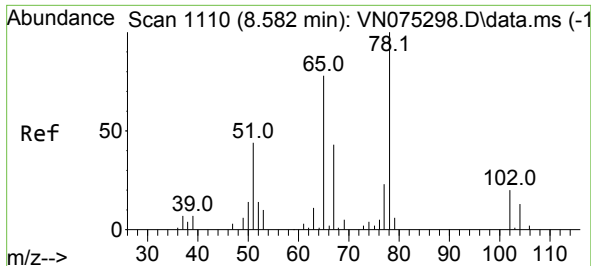
Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 56 Resp: 3243
Ion Ratio Lower Upper
56 100
69 153.7 25.2 37.8#
84 180.0 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 48.736 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075319.D

Acq: 18 Nov 2022 17:53

Instrument :

MSVOA_N

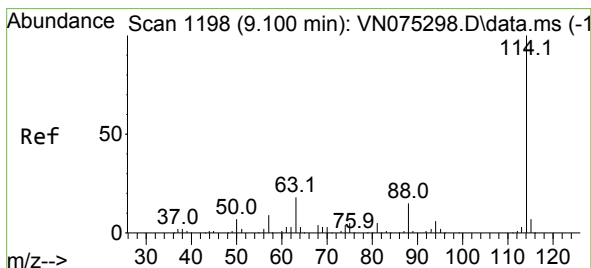
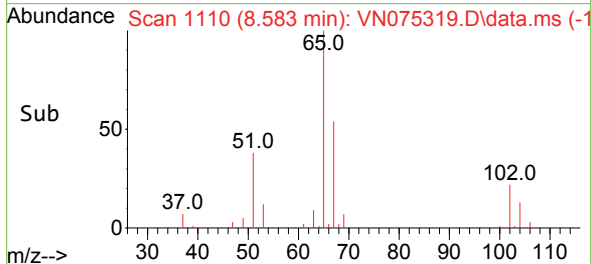
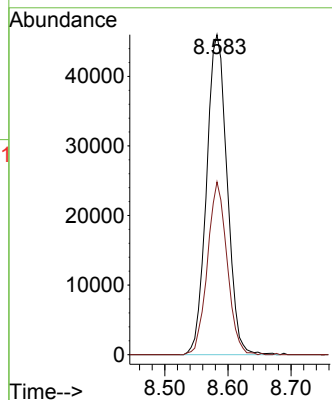
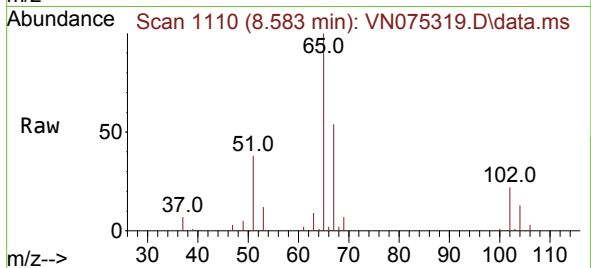
ClientSampleId :

Tgt Ion: 65 Resp: 103846

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075319.D

Acq: 18 Nov 2022 17:53

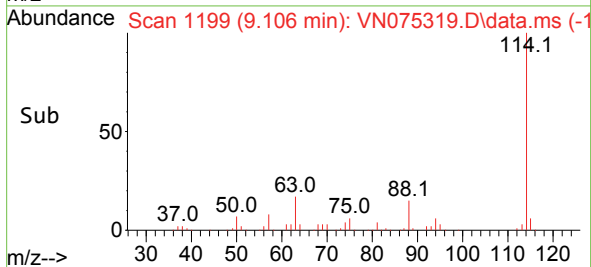
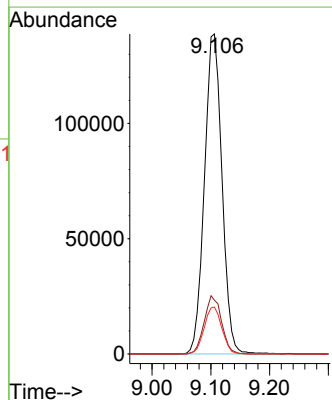
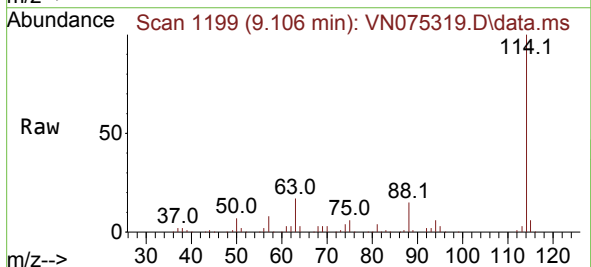
Tgt Ion:114 Resp: 288607

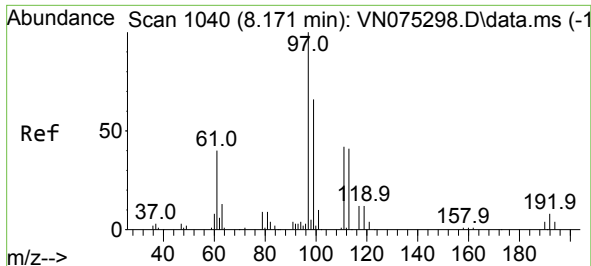
Ion Ratio Lower Upper

114 100

63 16.8 0.0 39.6

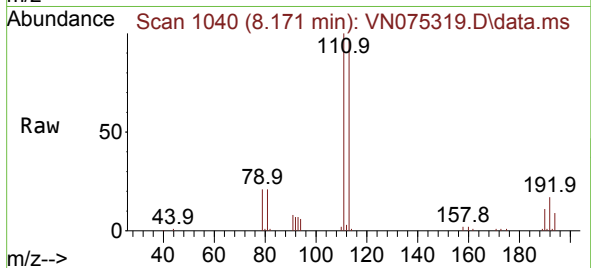
88 14.7 0.0 29.0



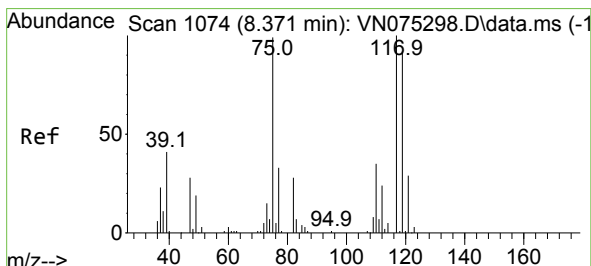
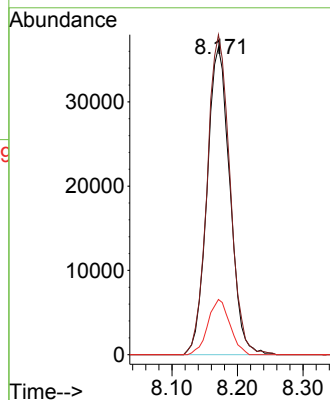
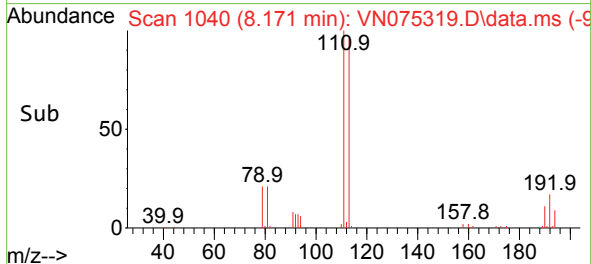


#35
Dibromofluoromethane
Concen: 52.009 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Instrument :
MSVOA_N
ClientSampleId :

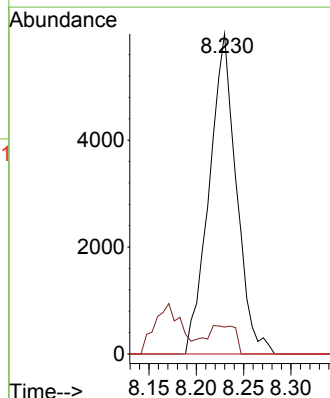
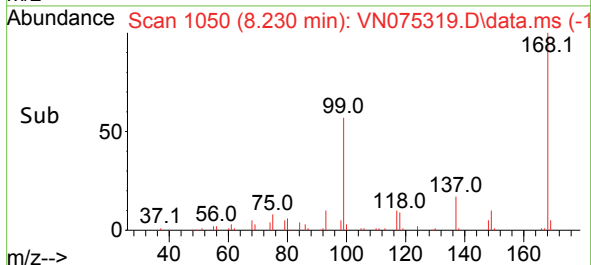
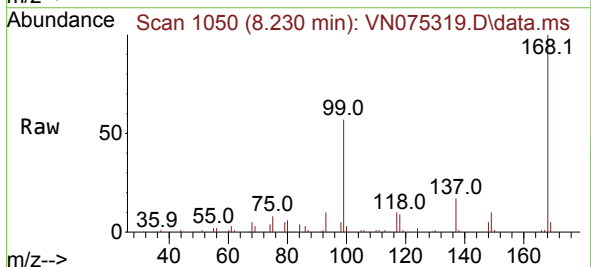


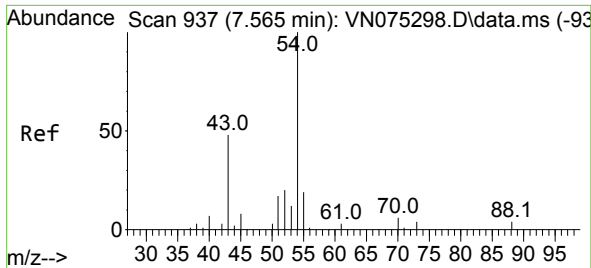
Tgt Ion:113 Resp: 88118
Ion Ratio Lower Upper
113 100
111 104.3 80.5 120.7
192 17.3 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 75 Resp: 11950
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.3#
77 0.0 24.6 37.0#

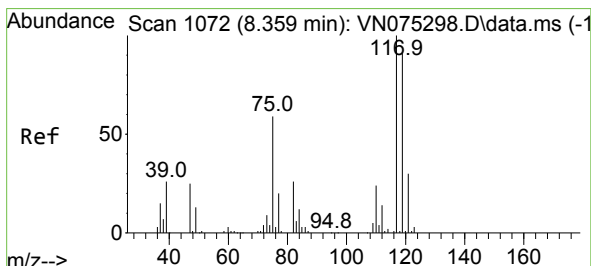
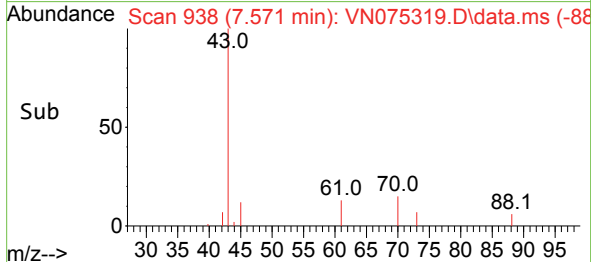
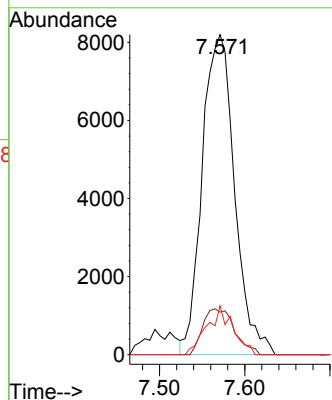
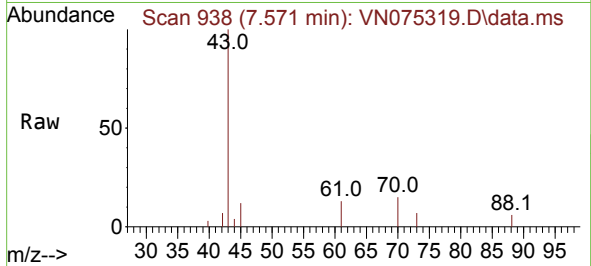




#37
Ethyl Acetate
Concen: 7.523 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

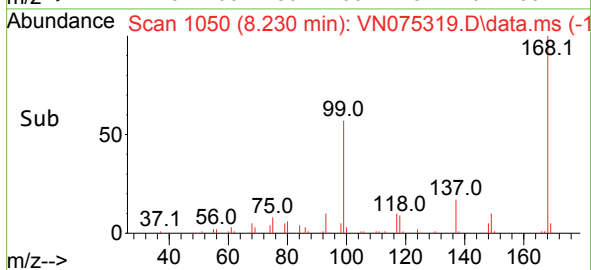
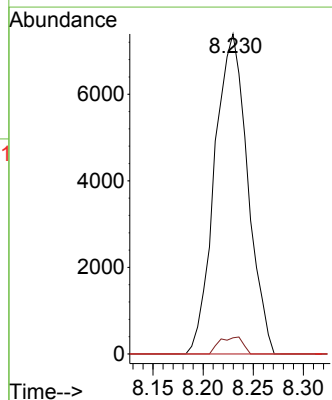
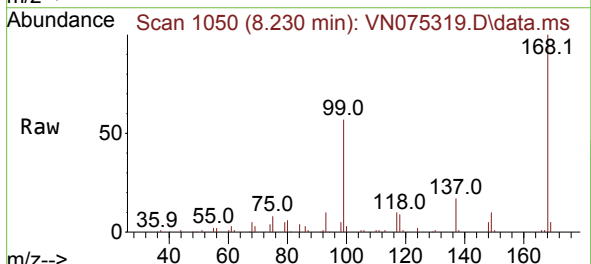
Instrument :
MSVOA_N
ClientSampleId :

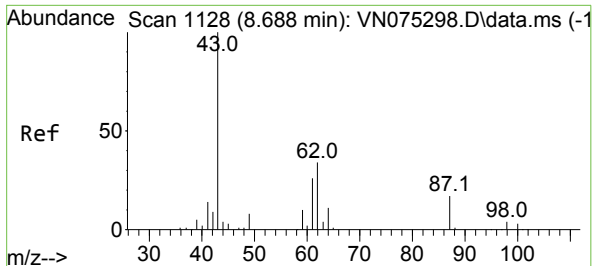
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.2	18.4
70	12.3	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.881 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.7	115.1#
121	0.0	23.9	35.9#

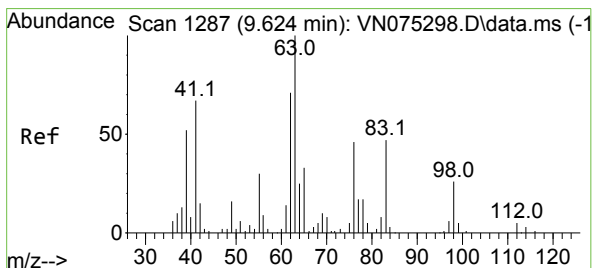
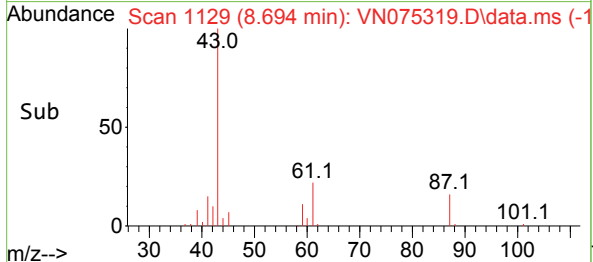
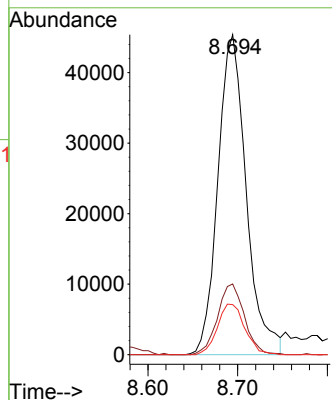
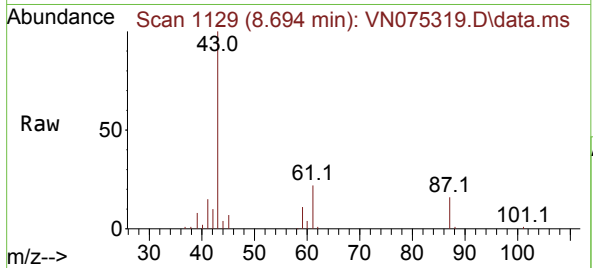




#43
Isopropyl Acetate
Concen: 22.300 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

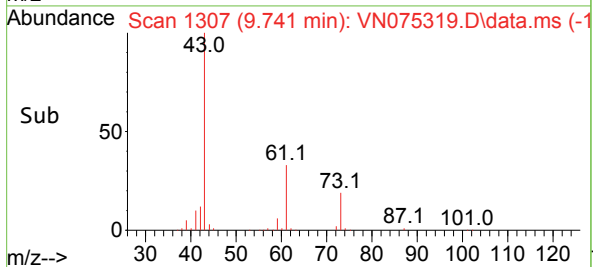
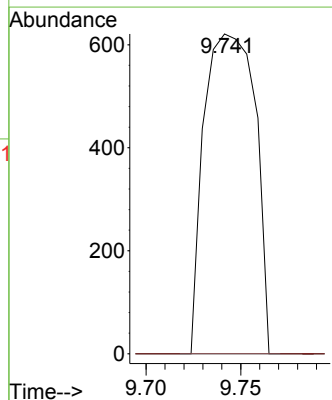
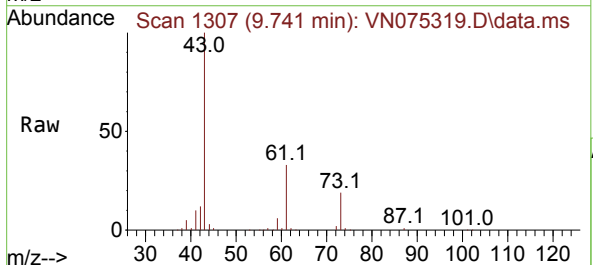
Instrument :
MSVOA_N
ClientSampleId :

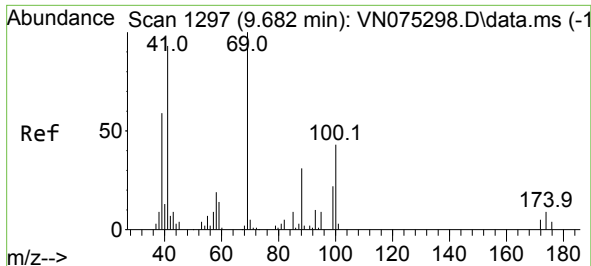
Tgt Ion: 43 Resp: 99502
Ion Ratio Lower Upper
43 100
61 21.0 22.4 33.6#
87 15.2 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.610 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 63 Resp: 1165
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 41.951 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN075319.D

Acq: 18 Nov 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

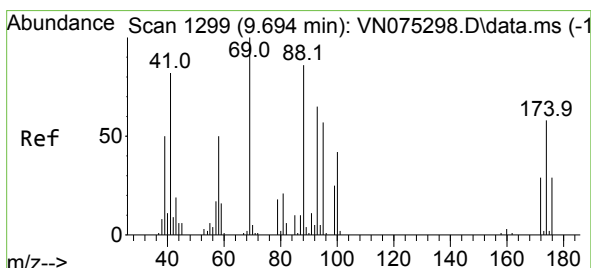
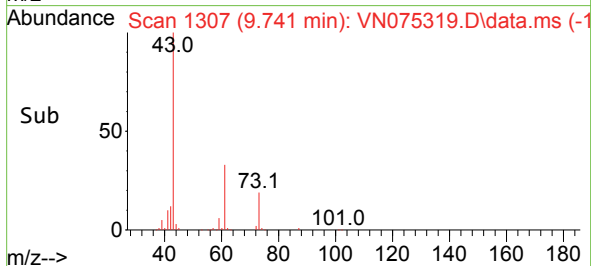
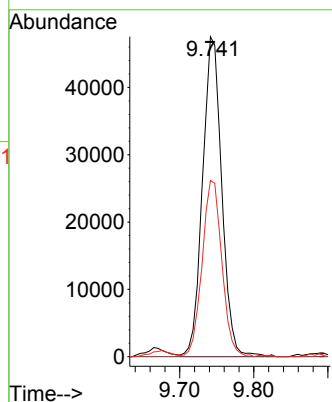
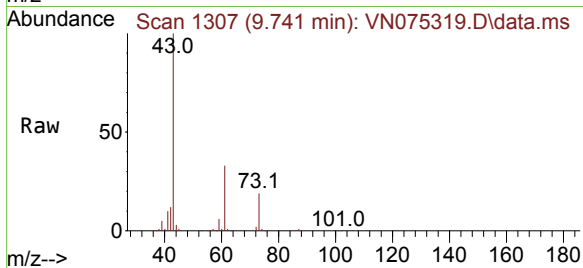
Tgt Ion: 41 Resp: 85866

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.5 56.2 84.2



#49

1,4-Dioxane

Concen: 1.343 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN075319.D

Acq: 18 Nov 2022 17:53

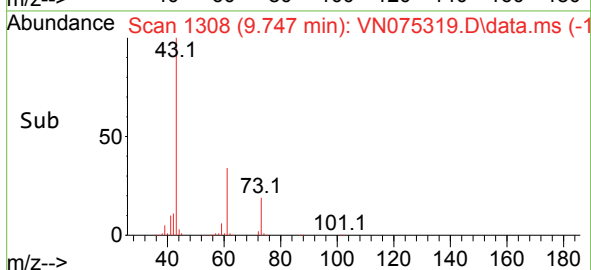
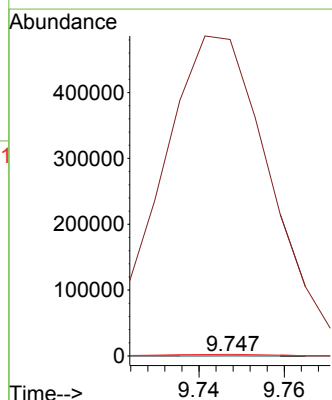
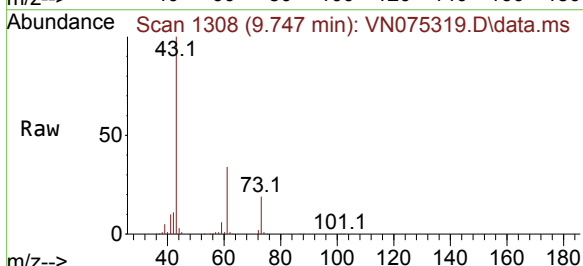
Tgt Ion: 88 Resp: 72

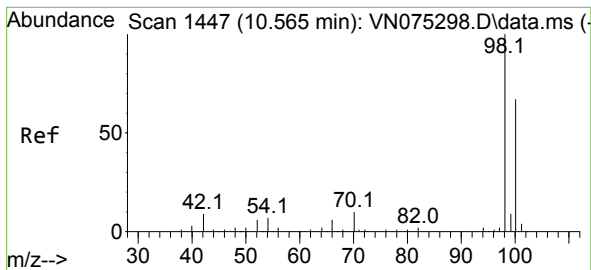
Ion Ratio Lower Upper

88 100

43 1237733.3 17.5 26.3#

58 6419.4 49.8 74.8#

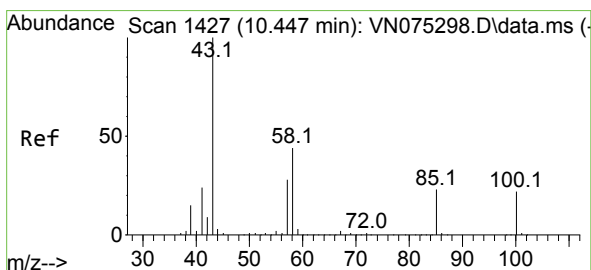
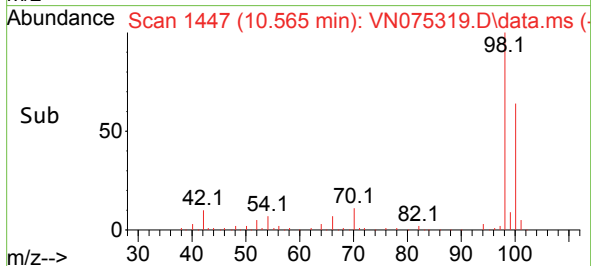
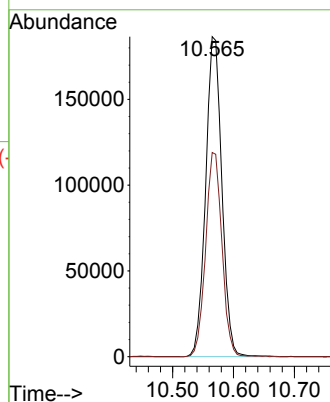
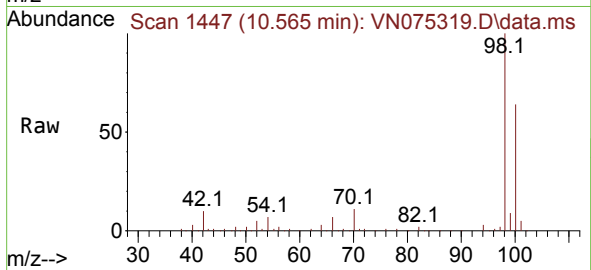




#50
Toluene-d8
Concen: 52.481 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

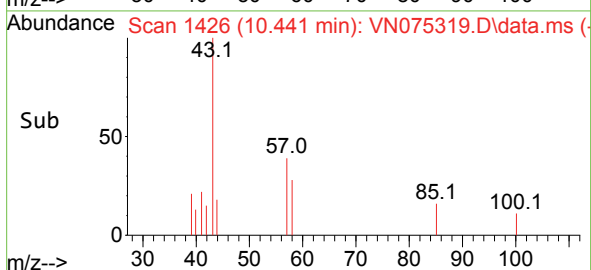
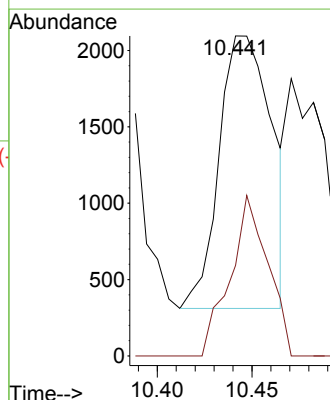
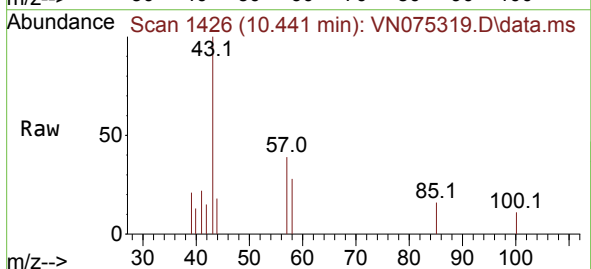
Instrument :
MSVOA_N
ClientSampleId :

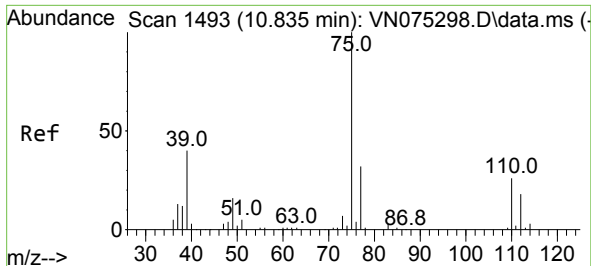
Tgt Ion: 98 Resp: 344973
Ion Ratio Lower Upper
98 100
100 64.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.201 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 43 Resp: 3457
Ion Ratio Lower Upper
43 100
58 42.0 33.6 50.4

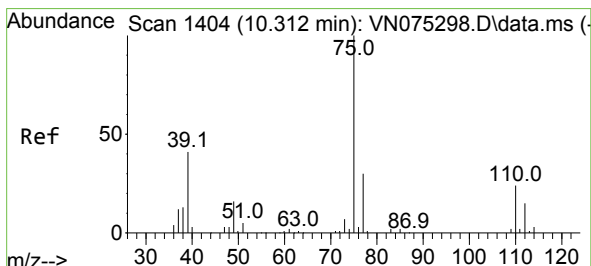
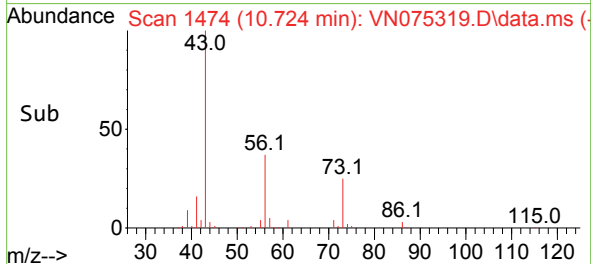
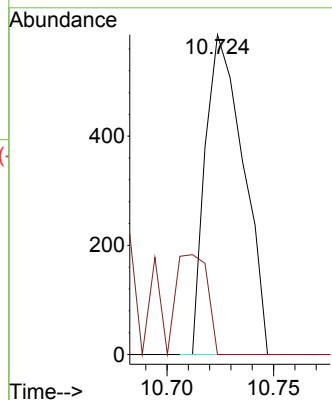
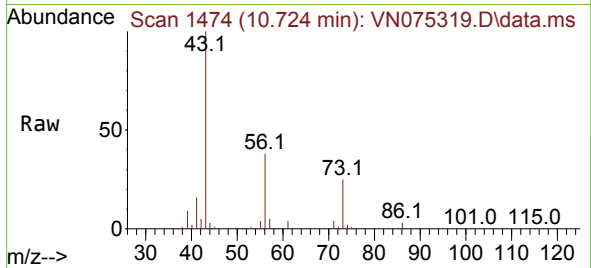




#53
 t-1,3-Dichloropropene
 Concen: 0.239 ug/l
 RT: 10.724 min Scan# 1412
 Delta R.T. -0.117 min
 Lab File: VN075319.D
 Acq: 18 Nov 2022 17:53

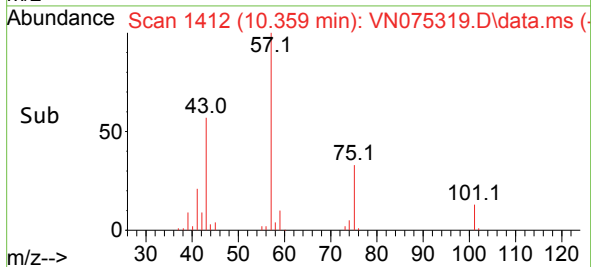
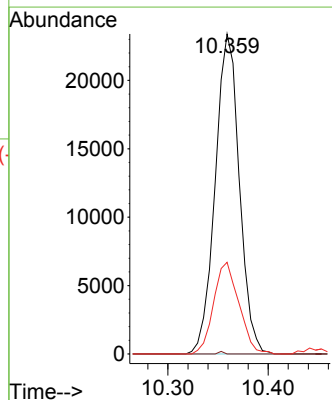
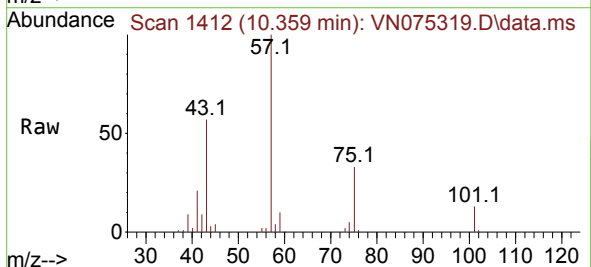
Instrument :
 MSVOA_N
 ClientSampleId :

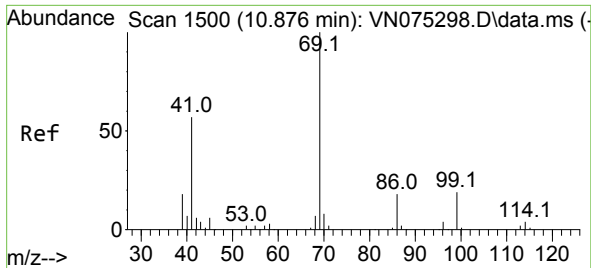
Tgt Ion: 75 Resp: 728
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 12.100 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075319.D
 Acq: 18 Nov 2022 17:53

Tgt Ion: 75 Resp: 39061
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.7 35.8 53.6#

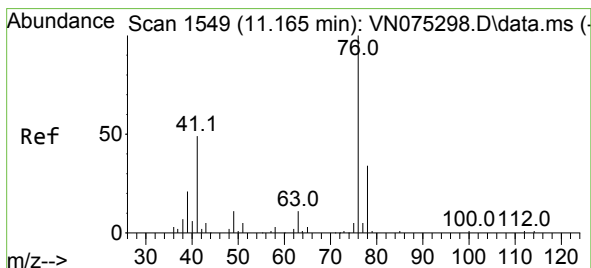
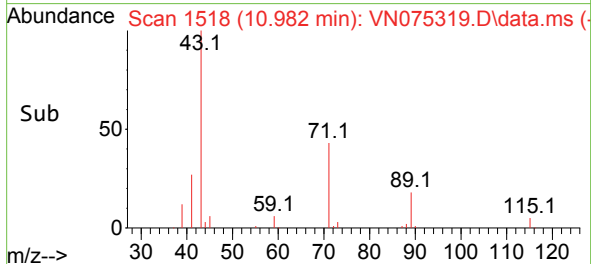
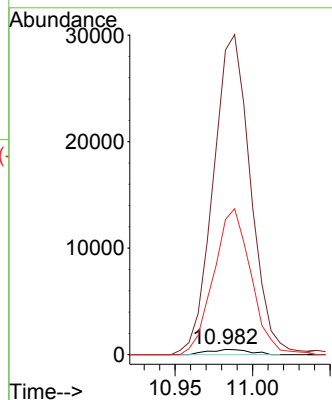
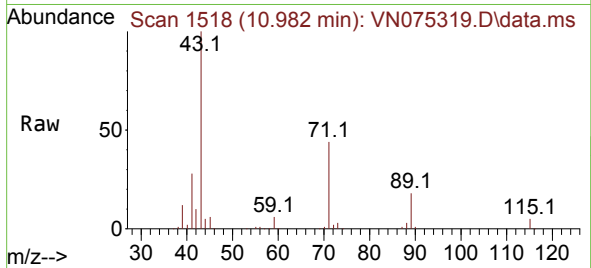




#56
Ethyl methacrylate
Concen: 0.285 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

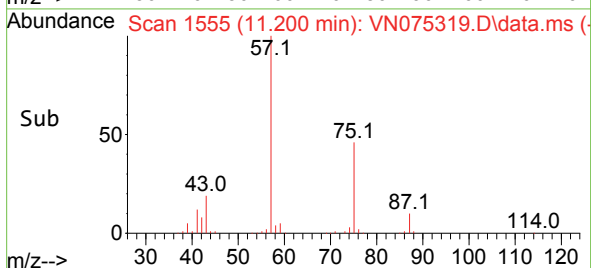
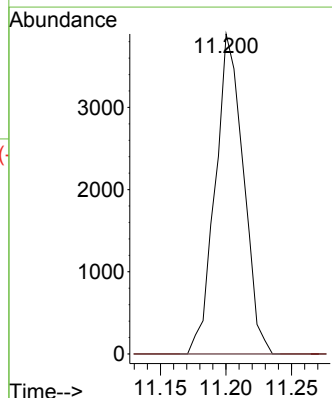
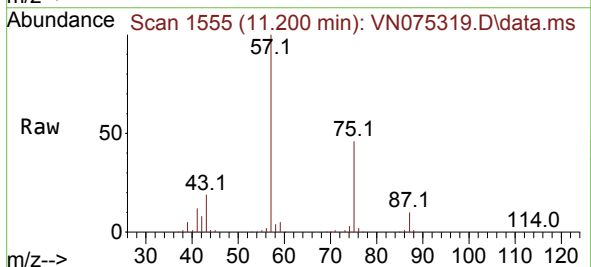
Instrument :
MSVOA_N
ClientSampleId :

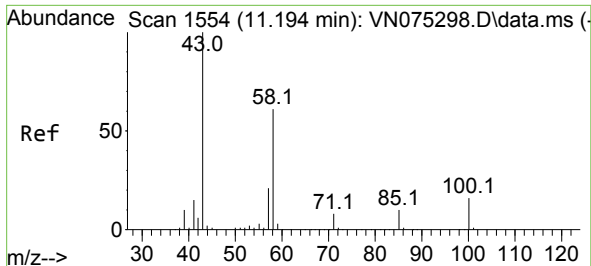
Tgt Ion: 69 Resp: 924
Ion Ratio Lower Upper
69 100
41 5478.6 45.6 68.4#
39 2496.6 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.637 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 76 Resp: 5802
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

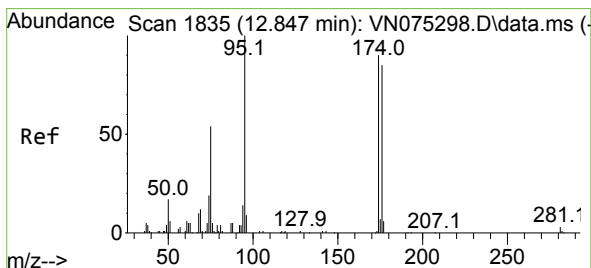
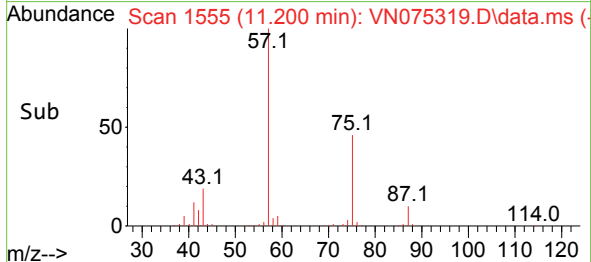
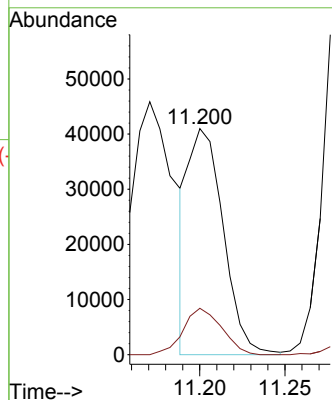
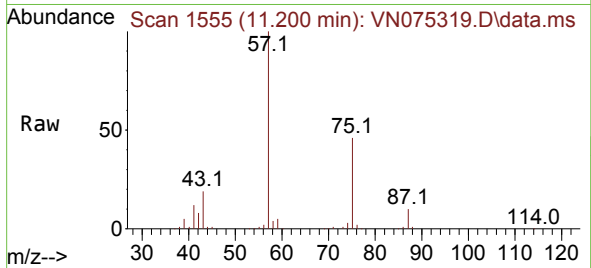




#59
2-Hexanone
Concen: 26.897 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

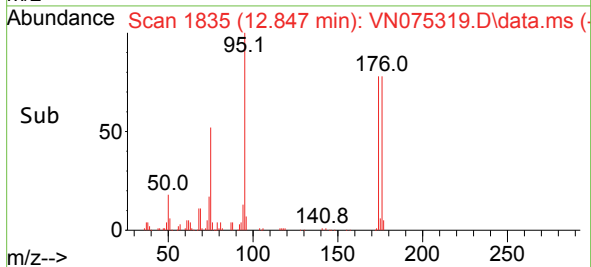
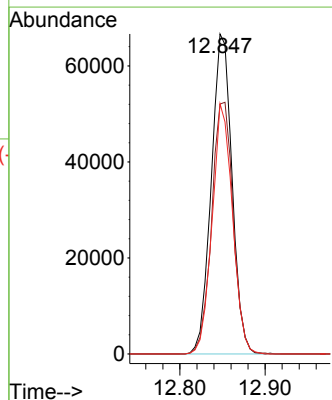
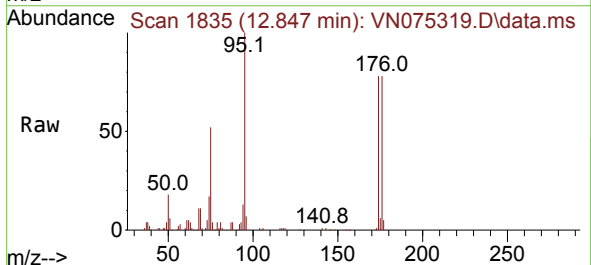
Instrument :
MSVOA_N
ClientSampleId :

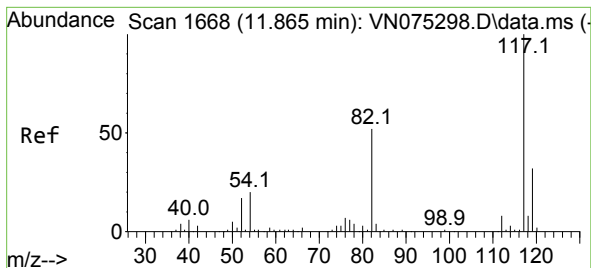
Tgt Ion: 43 Resp: 58780
Ion Ratio Lower Upper
43 100
58 22.5 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.712 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

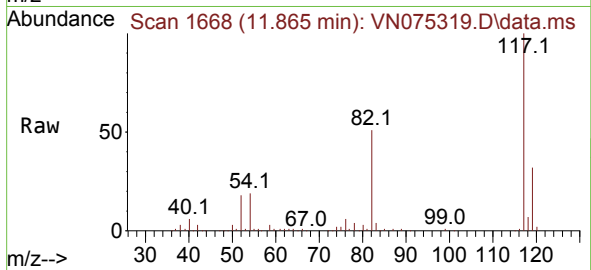
Tgt Ion: 95 Resp: 112479
Ion Ratio Lower Upper
95 100
174 81.4 0.0 147.4
176 76.8 0.0 142.2



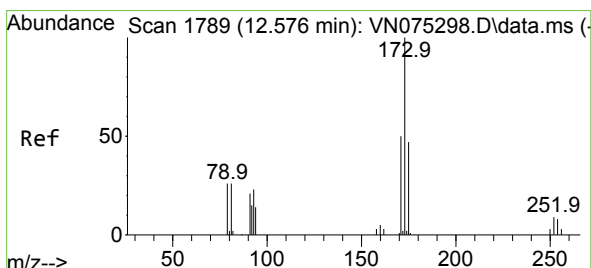
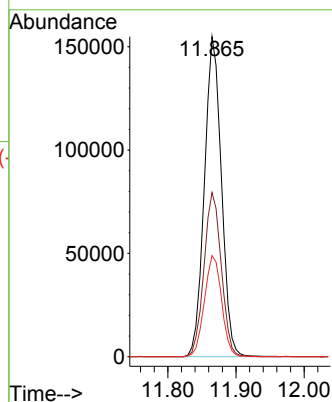
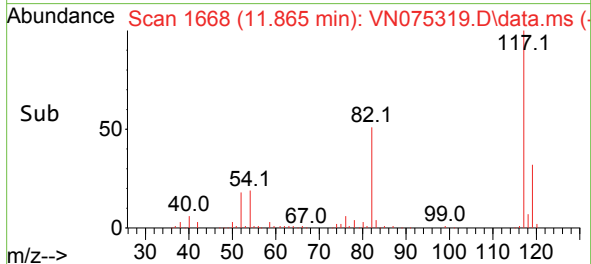


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Instrument :
MSVOA_N
ClientSampleId :

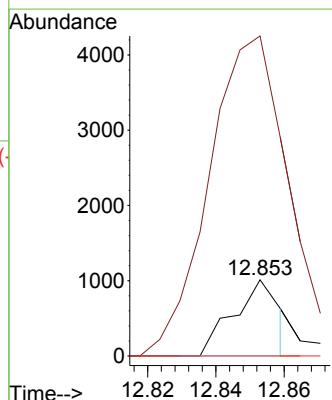
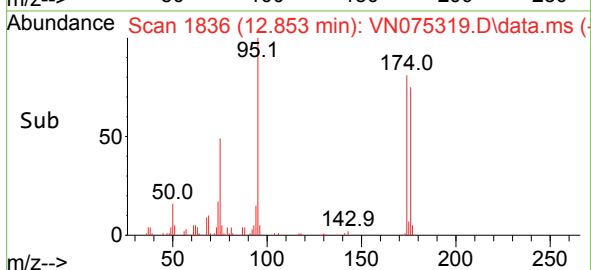
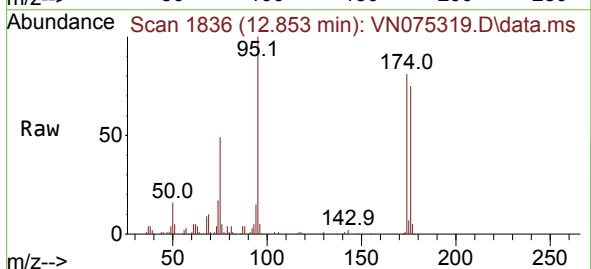


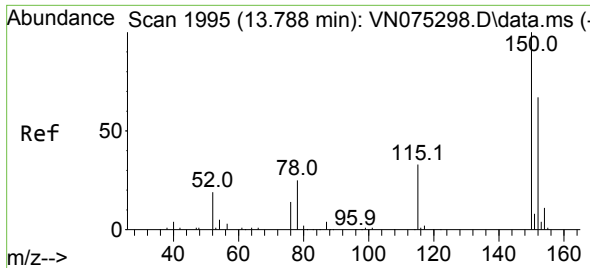
Tgt Ion:117 Resp: 268938
Ion Ratio Lower Upper
117 100
82 51.3 43.1 64.7
119 31.6 25.5 38.3



#71
Bromoform
Concen: 0.595 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion:173 Resp: 949
Ion Ratio Lower Upper
173 100
175 636.5 24.6 74.0#
254 0.0 0.0 0.0

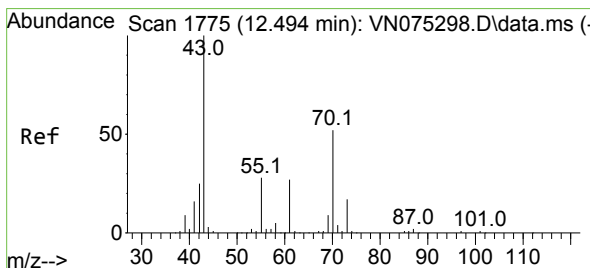
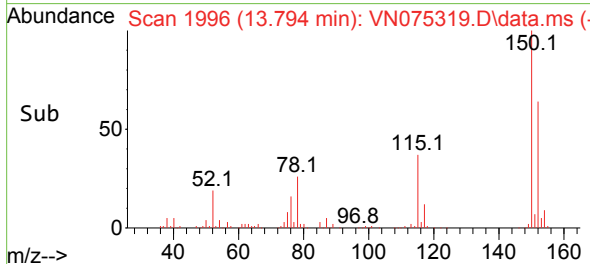
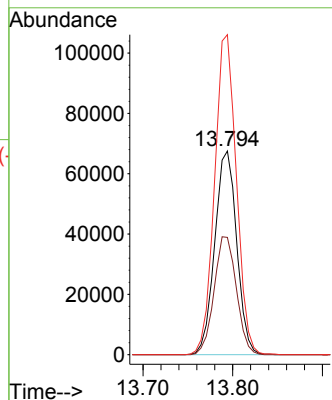
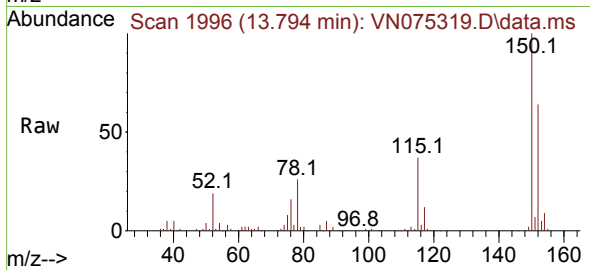




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

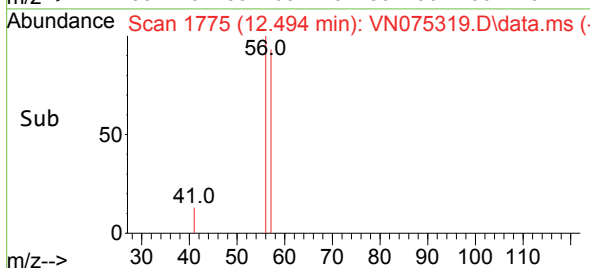
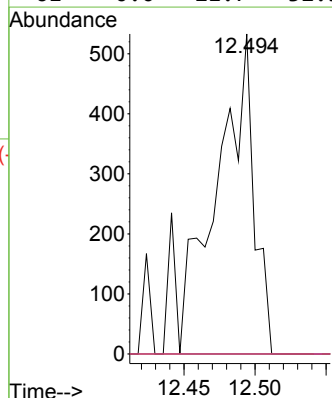
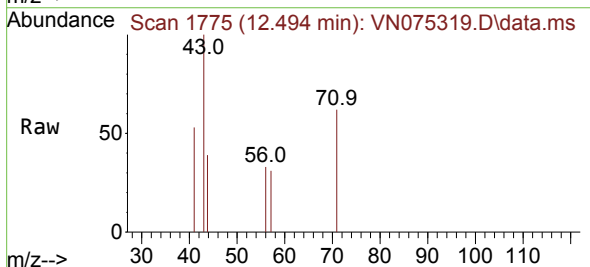
Instrument :
MSVOA_N
ClientSampleId :

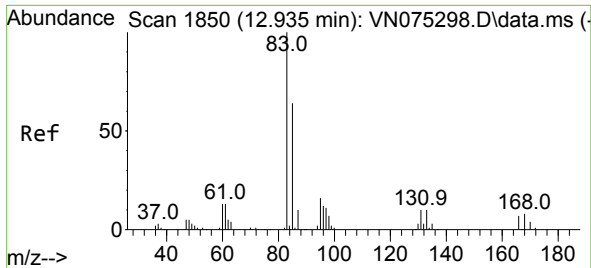
Tgt Ion:152 Resp: 114742
Ion Ratio Lower Upper
152 100
115 58.8 30.2 90.6
150 155.7 0.0 348.4



#74
N-ethyl acetate
Concen: 0.284 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

Tgt Ion: 43 Resp: 968
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#

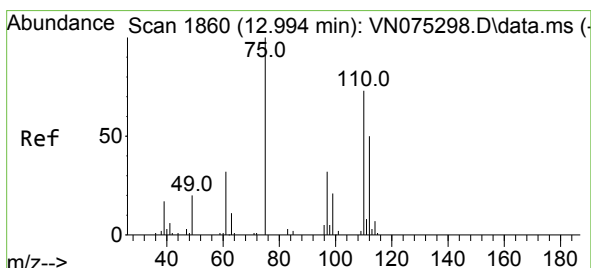
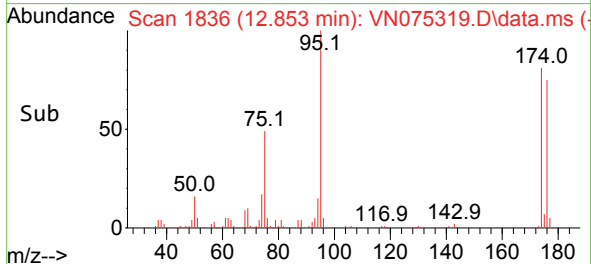
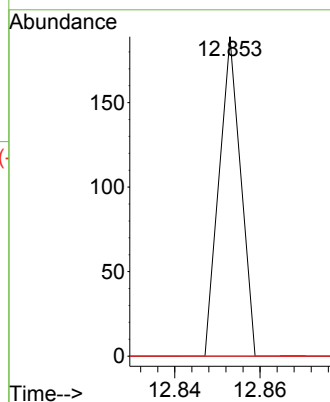
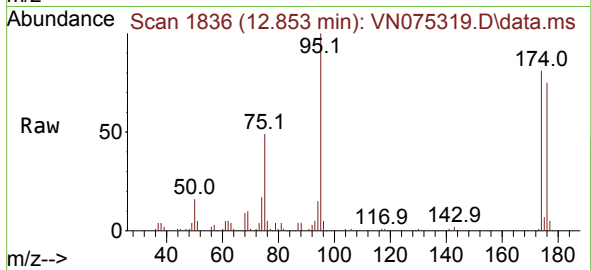




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.088 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

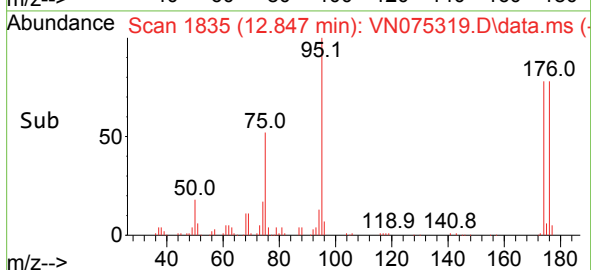
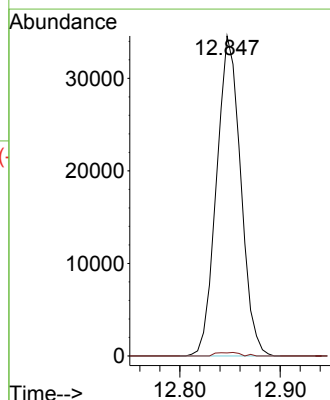
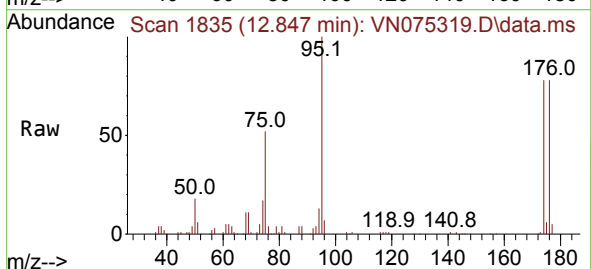
Instrument :
MSVOA_N
ClientSampleId :

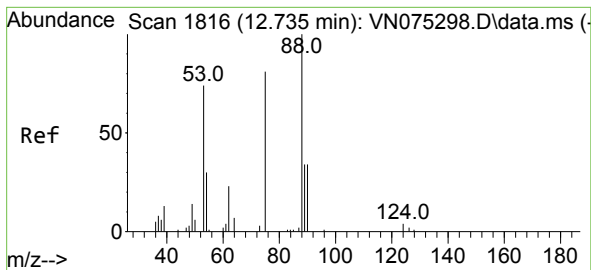
Tgt Ion: 83 Resp: 67
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 0.0 31.6 94.7#



#76
1,2,3-Trichloropropane
Concen: 23.742 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075319.D
Acq: 18 Nov 2022 17:53

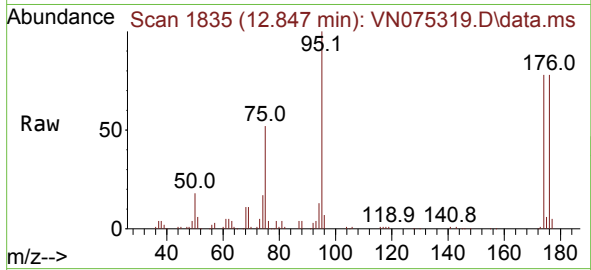
Tgt Ion: 75 Resp: 57842
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.945 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075319.D
 Acq: 18 Nov 2022 17:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 57842
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

