

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074837.D
 Acq On : 10 Oct 2022 17:25
 Operator : JC\MD
 Sample : PB148097ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:27:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

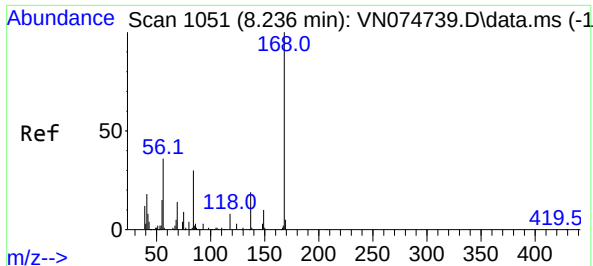
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	370234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	632647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	695116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	339290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	424063	48.341	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.680%
35) Dibromofluoromethane	8.177	113	320622	50.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.320%
50) Toluene-d8	10.571	98	1422987	51.882	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.760%
62) 4-Bromofluorobenzene	12.853	95	372468	44.674	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.340%
Target Compounds						
					Qvalue	
6) Chloroethane	3.006	64	11180	1.081	ug/l #	56
11) Tert butyl alcohol	5.530	59	6816	2.320	ug/l #	81
13) Acrolein	4.195	56	125	Below Cal	#	15
16) Acetone	4.459	43	94296	18.968	ug/l #	87
18) Methyl Acetate	5.083	43	10533	0.572	ug/l #	71
20) Methylene Chloride	5.300	84	35433	2.365	ug/l	98
25) 2-Butanone	7.506	43	10951	1.214	ug/l	90
29) Tetrahydrofuran	7.865	42	5768	0.917	ug/l #	69
31) Cyclohexane	8.241	56	12793	0.844	ug/l #	47
36) 1,1-Dichloropropene	8.236	75	34784	3.362	ug/l #	51
37) Ethyl Acetate	7.506	43	10951	0.264	ug/l #	86
38) Carbon Tetrachloride	8.230	117	38260	3.921	ug/l #	22
43) Isopropyl Acetate	8.694	43	475338	18.535	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	7482	0.825	ug/l #	44
48) Methyl methacrylate	9.665	41	13730	1.304	ug/l #	90
49) 1,4-Dioxane	9.682	88	58	0.254	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	19055	1.154	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	140240	10.027	ug/l #	72
57) 1,3-Dichloropropane	11.206	76	19279	1.322	ug/l #	44
59) 2-Hexanone	11.171	43	399826	32.008	ug/l #	24
71) Bromoform	12.847	173	3411	0.575	ug/l #	1
74) N-amyl acetate	12.306	43	96974	4.912	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.859	83	581	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.853	75	218020	21.529	ug/l #	1
77) Bromobenzene	12.941	156	157	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	218020	41.946	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.835	180	173	Below Cal	#	37

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

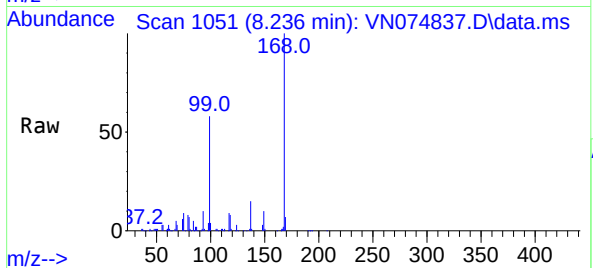
Quant Time: Oct 11 06:27:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration



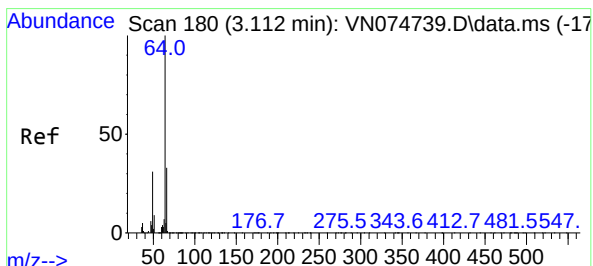
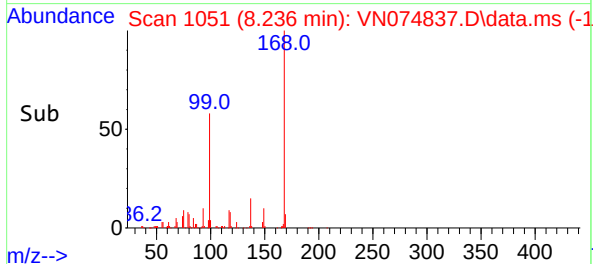
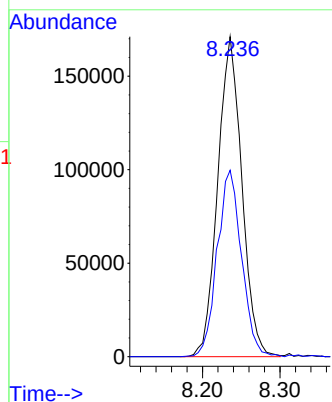


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

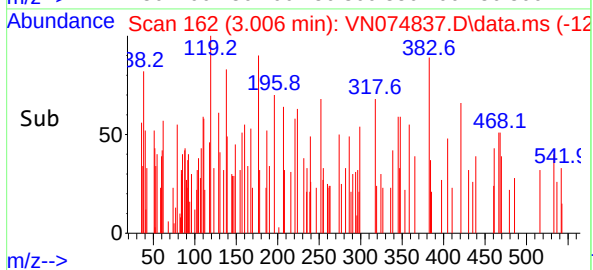
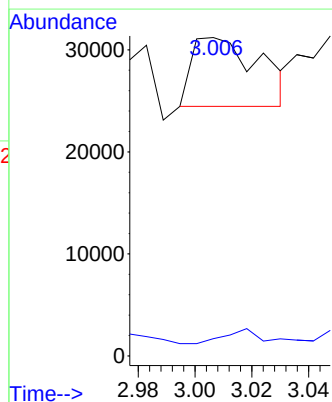
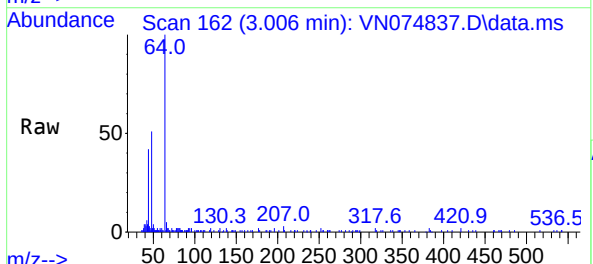


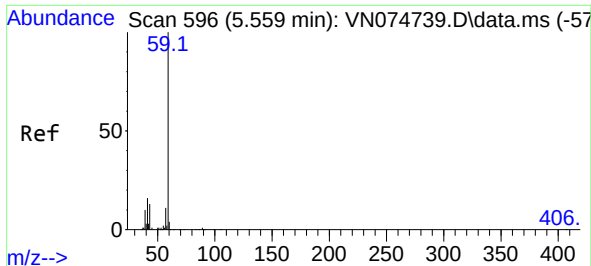
Tgt Ion:168 Resp: 370234
Ion Ratio Lower Upper
168 100
99 58.3 42.8 64.2



#6
Chloroethane
Concen: 1.081 ug/l
RT: 3.006 min Scan# 162
Delta R.T. -0.106 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 64 Resp: 11180
Ion Ratio Lower Upper
64 100
66 7.3 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.320 ug/l

RT: 5.530 min Scan# 59

Delta R.T. -0.029 min

Lab File: VN074837.D

Acq: 10 Oct 2022 17:25

Instrument :

MSVOA_N

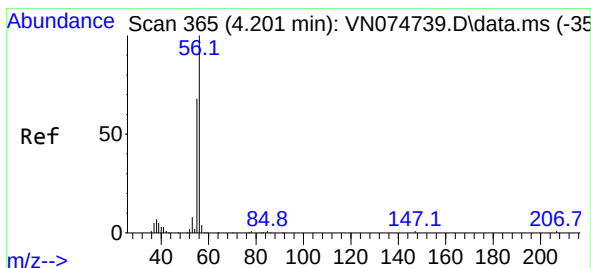
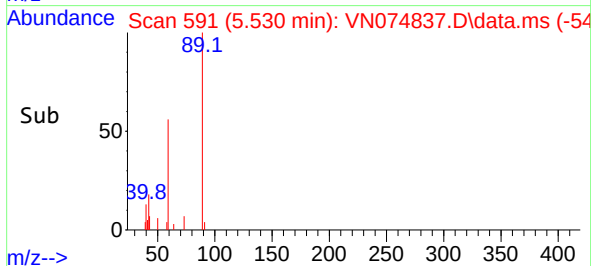
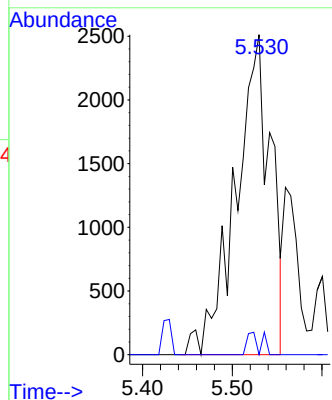
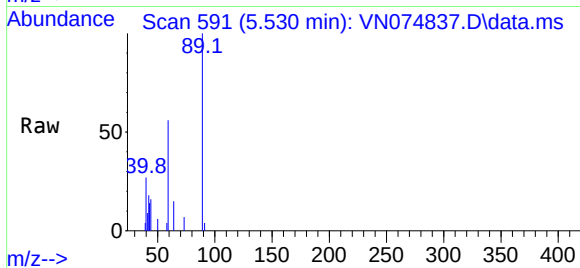
ClientSampleId :

Tgt Ion: 59 Resp: 6816

Ion Ratio Lower Upper

59 100

57 2.7 7.7 11.5#



#13

Acrolein

Concen: Below Cal

RT: 4.195 min Scan# 364

Delta R.T. -0.006 min

Lab File: VN074837.D

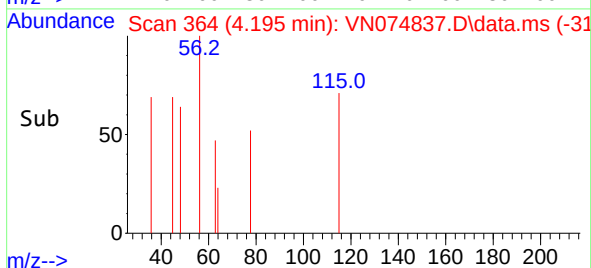
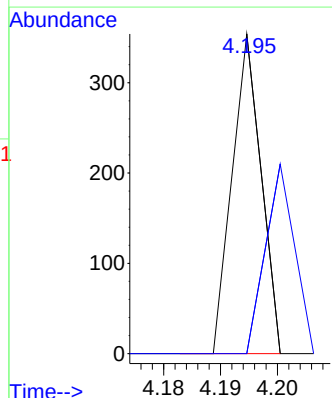
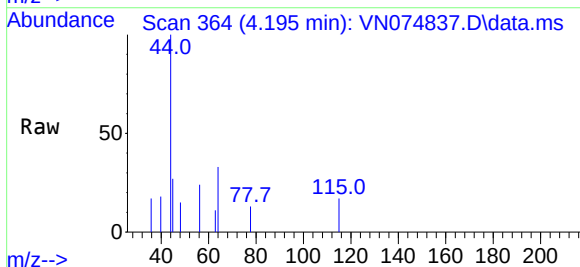
Acq: 10 Oct 2022 17:25

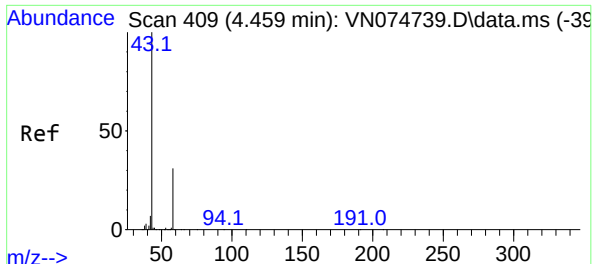
Tgt Ion: 56 Resp: 125

Ion Ratio Lower Upper

56 100

55 0.0 54.9 82.3#

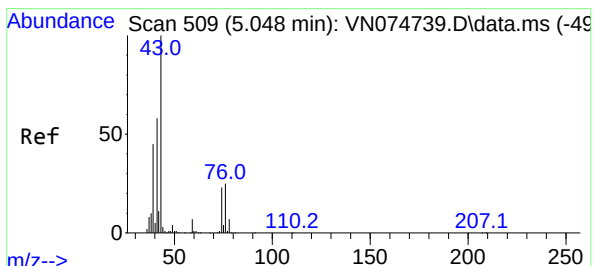
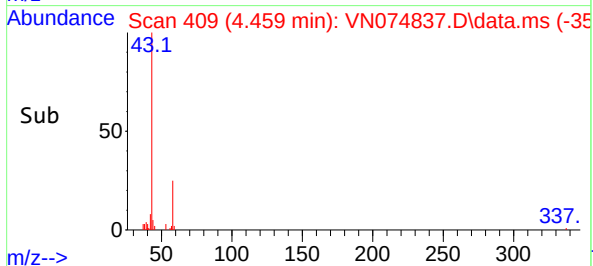
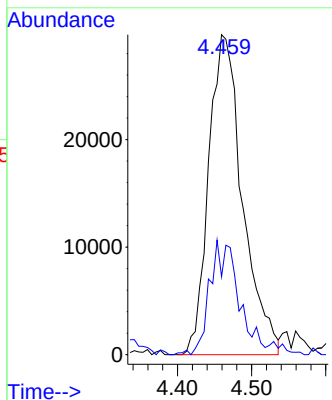
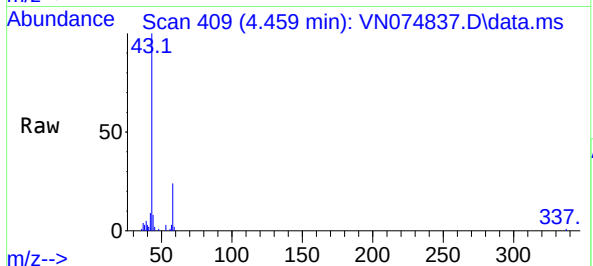




#16
Acetone
Concen: 18.968 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

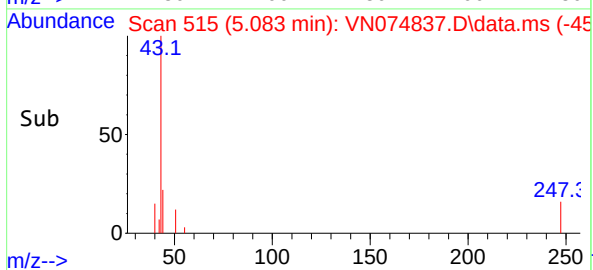
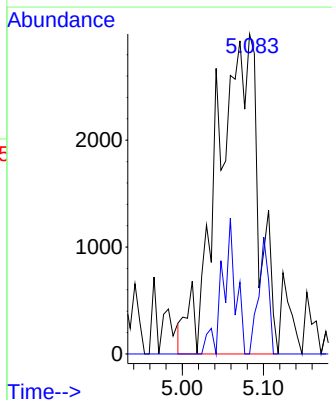
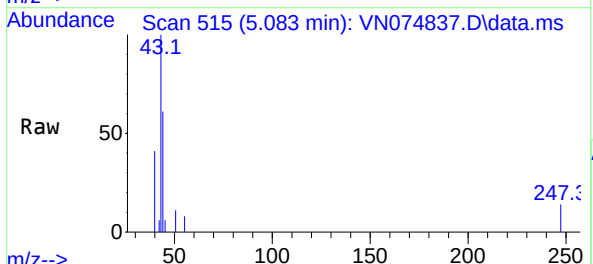
Instrument :
MSVOA_N
ClientSampleId :

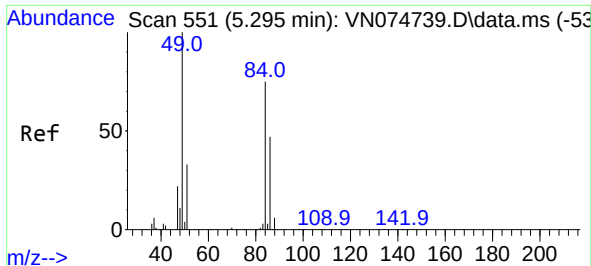
Tgt Ion: 43 Resp: 94296
Ion Ratio Lower Upper
43 100
58 23.8 24.9 37.3#



#18
Methyl Acetate
Concen: 0.572 ug/l
RT: 5.083 min Scan# 515
Delta R.T. 0.035 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

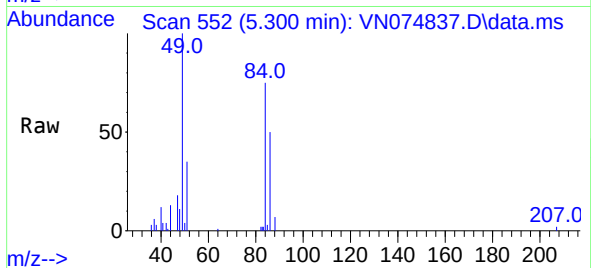
Tgt Ion: 43 Resp: 10533
Ion Ratio Lower Upper
43 100
74 9.0 18.5 27.7#





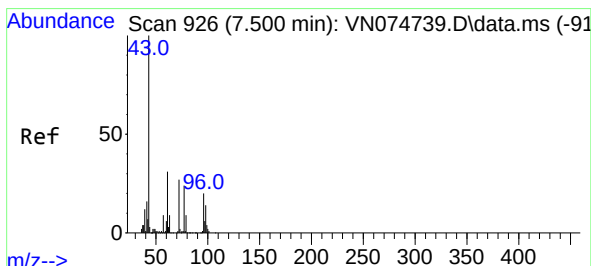
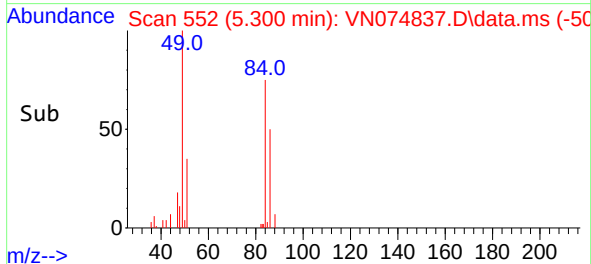
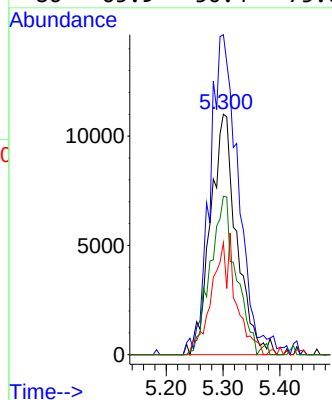
#20
Methylene Chloride
Concen: 2.365 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 35433

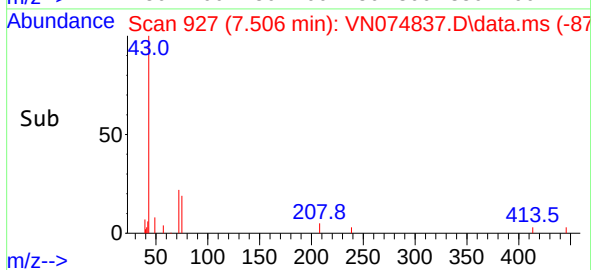
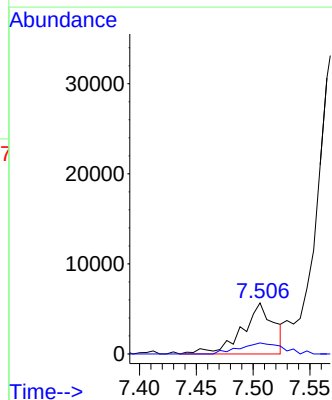
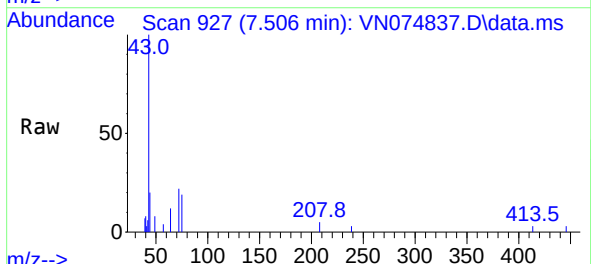
Ion	Ratio	Lower	Upper
84	100		
49	133.0	107.4	161.0
51	46.5	35.1	52.7
86	65.9	50.4	75.6

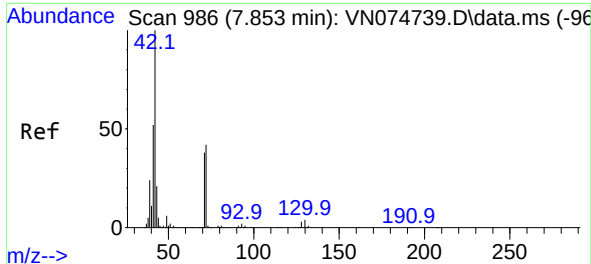


#25
2-Butanone
Concen: 1.214 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 43 Resp: 10951

Ion	Ratio	Lower	Upper
43	100		
72	21.5	21.4	32.0





#29

Tetrahydrofuran

Concen: 0.917 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074837.D

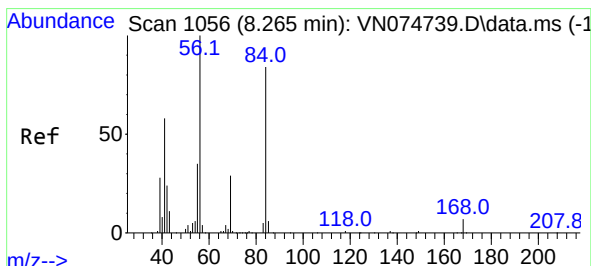
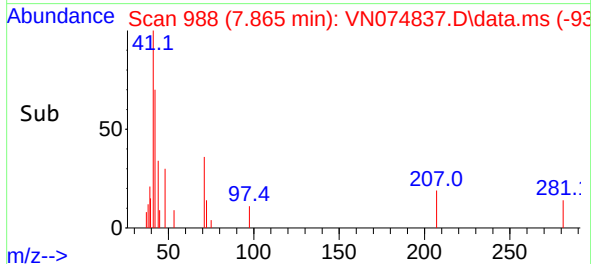
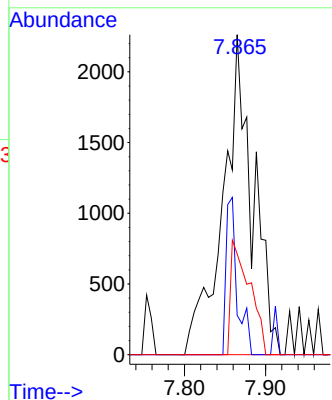
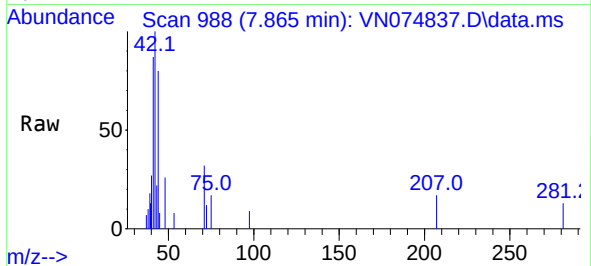
Acq: 10 Oct 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	5768
Ion	Ratio	Lower	Upper
42	100		
72	18.4	33.0	49.6#
71	22.7	30.4	45.6#



#31

Cyclohexane

Concen: 0.844 ug/l

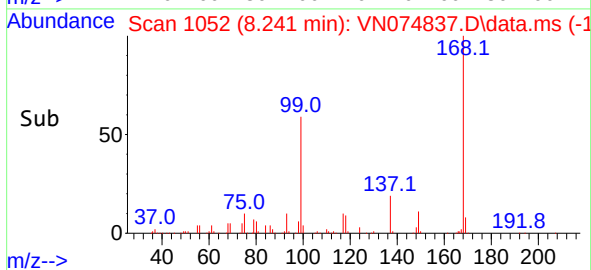
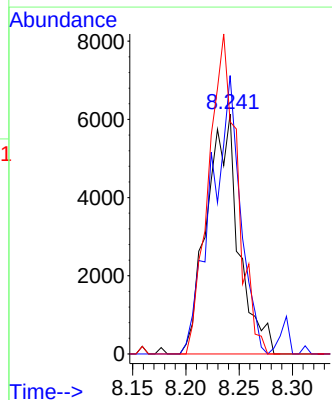
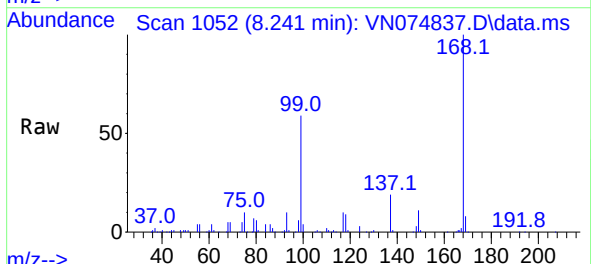
RT: 8.241 min Scan# 1052

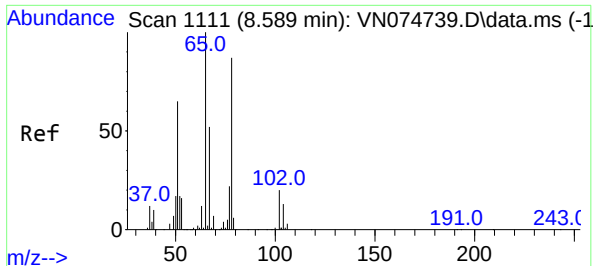
Delta R.T. -0.024 min

Lab File: VN074837.D

Acq: 10 Oct 2022 17:25

Tgt Ion:	56	Resp:	12793
Ion	Ratio	Lower	Upper
56	100		
69	116.1	23.1	34.7#
84	96.8	67.1	100.7





#33

1,2-Dichloroethane-d4

Concen: 48.341 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074837.D

Acq: 10 Oct 2022 17:25

Instrument :

MSVOA_N

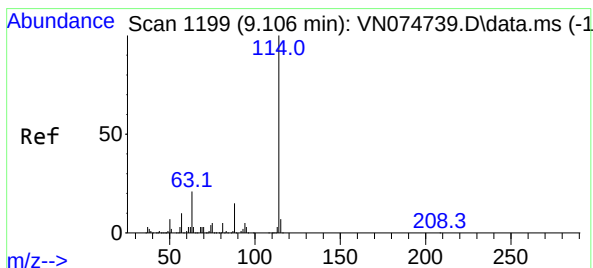
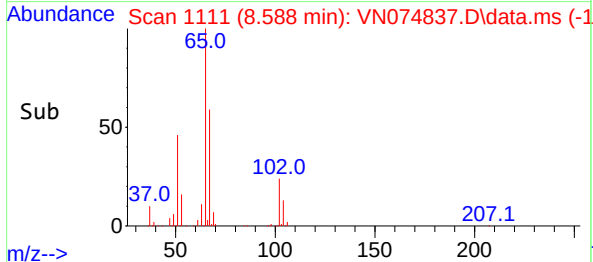
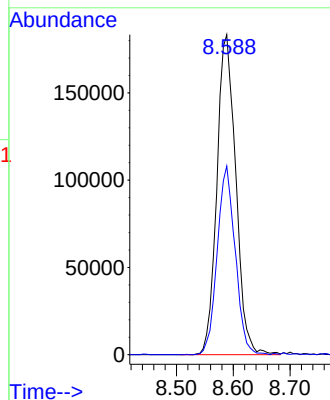
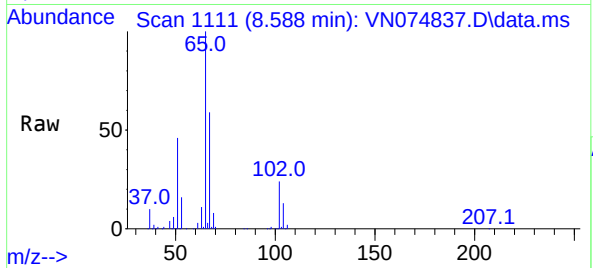
ClientSampleId :

Tgt Ion: 65 Resp: 424063

Ion Ratio Lower Upper

65 100

67 56.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1200

Delta R.T. 0.006 min

Lab File: VN074837.D

Acq: 10 Oct 2022 17:25

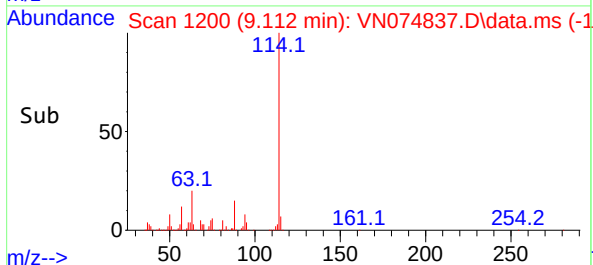
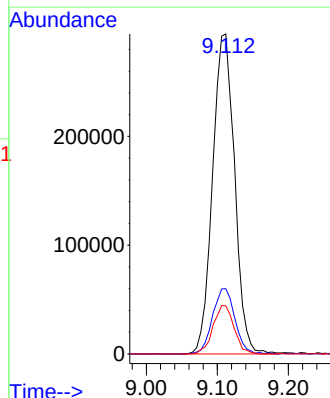
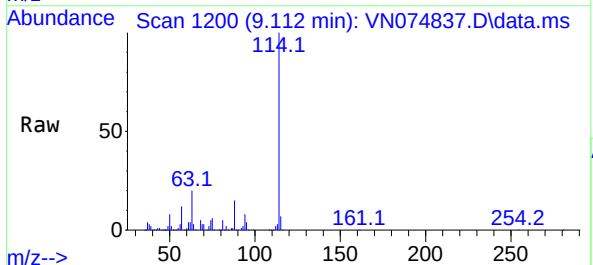
Tgt Ion: 114 Resp: 632647

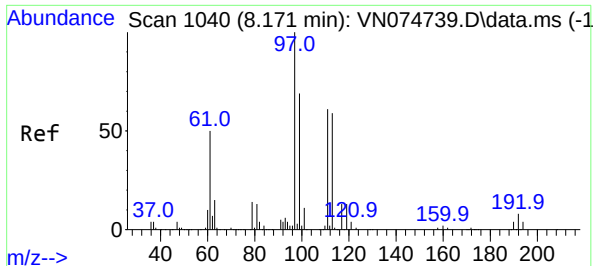
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

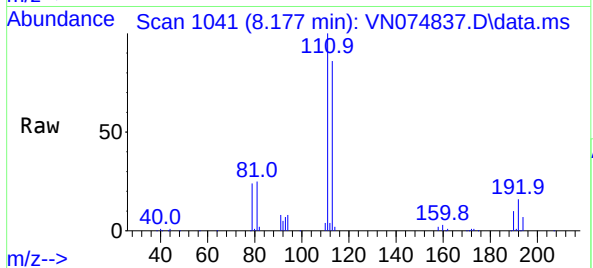
88 15.0 0.0 30.2



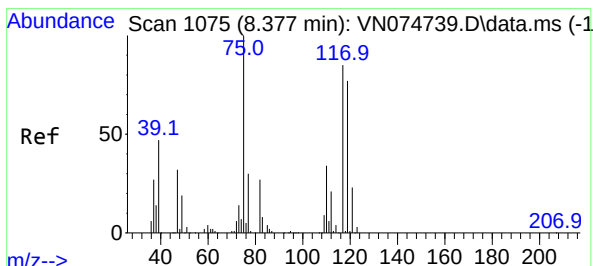
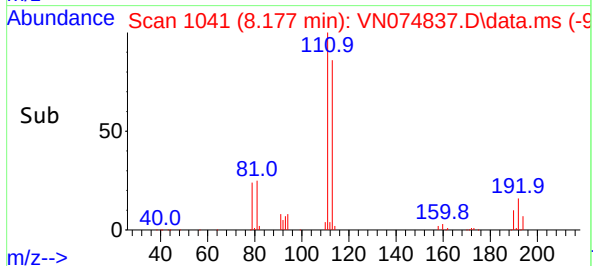
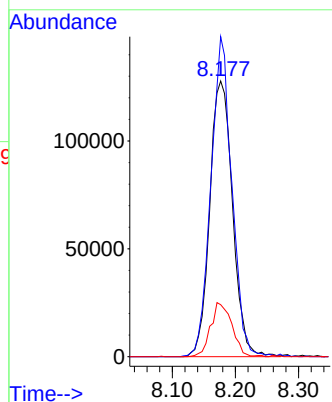


#35
Dibromofluoromethane
Concen: 50.160 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

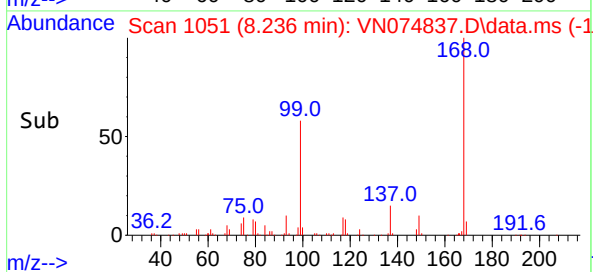
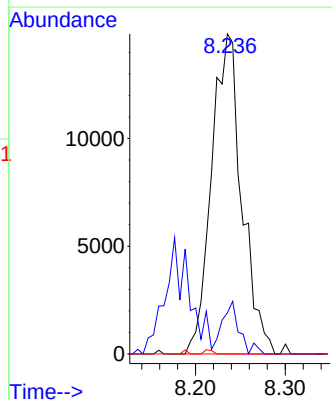
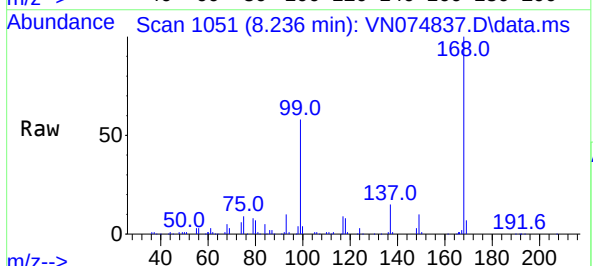


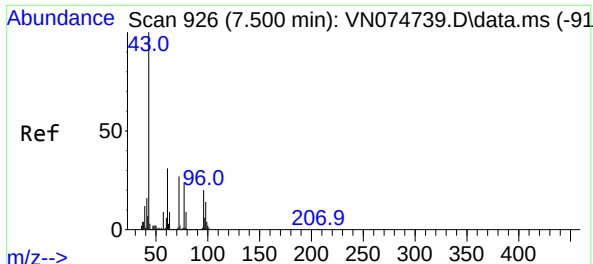
Tgt Ion:113 Resp: 320622
Ion Ratio Lower Upper
113 100
111 106.6 83.0 124.6
192 18.2 12.6 18.8



#36
1,1-Dichloropropene
Concen: 3.362 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 75 Resp: 34784
Ion Ratio Lower Upper
75 100
110 9.4 17.2 51.5#
77 0.0 24.3 36.5#

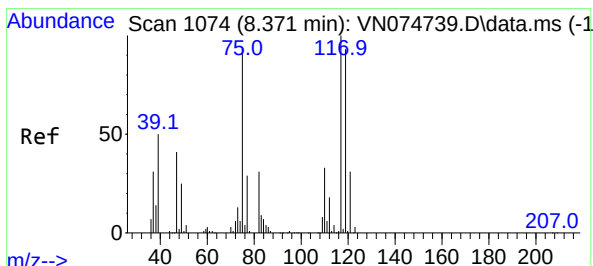
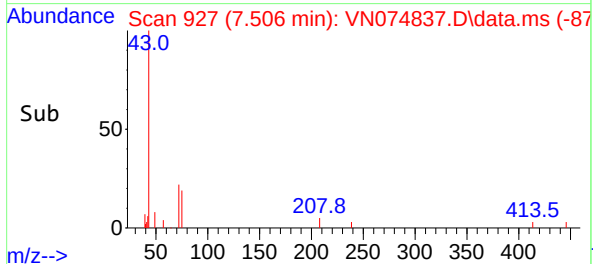
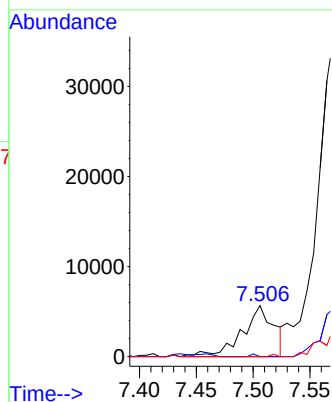
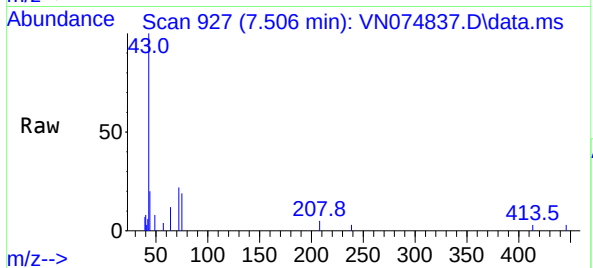




#37
Ethyl Acetate
Concen: 0.264 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

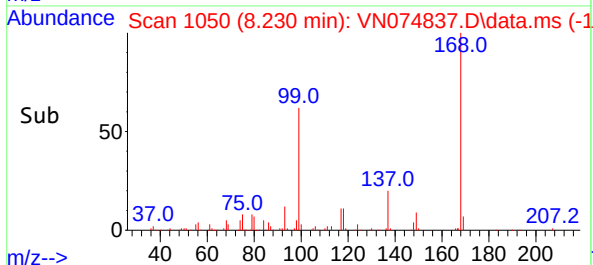
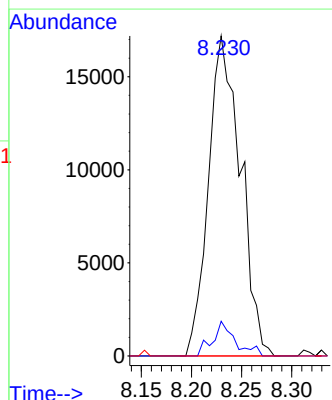
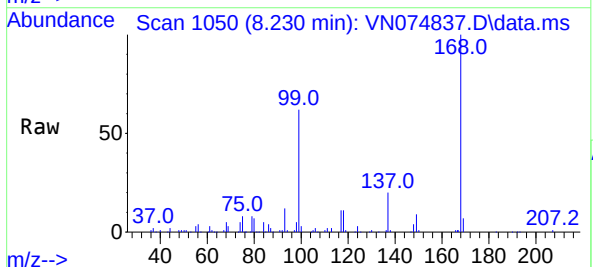
Instrument :
MSVOA_N
ClientSampleId :

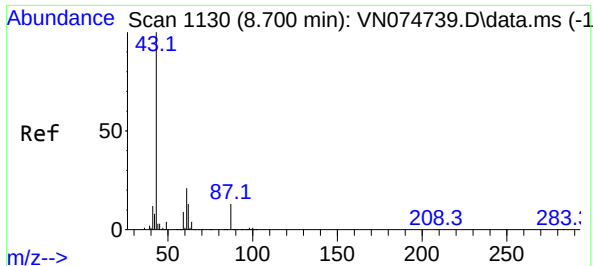
Tgt Ion: 43 Resp: 10951
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.921 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

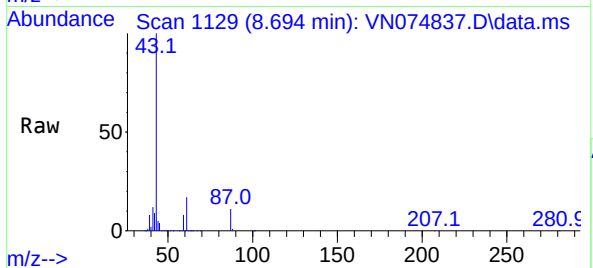
Tgt Ion: 117 Resp: 38260
Ion Ratio Lower Upper
117 100
119 10.8 74.3 111.5#
121 0.0 25.0 37.4#



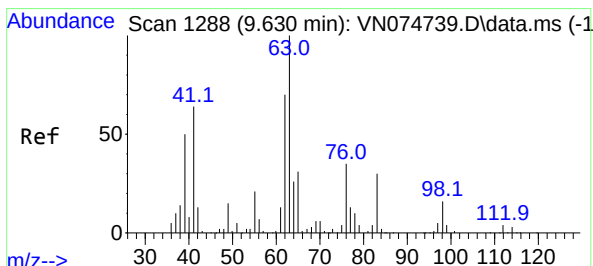
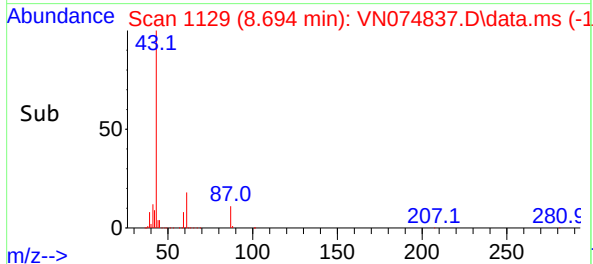
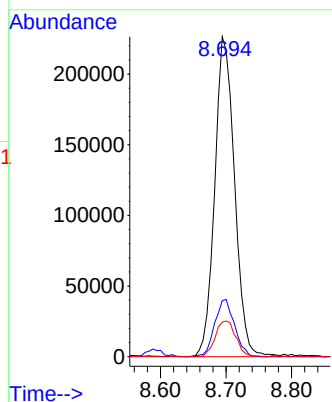


#43
Isopropyl Acetate
Concen: 18.535 ug/l
RT: 8.694 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

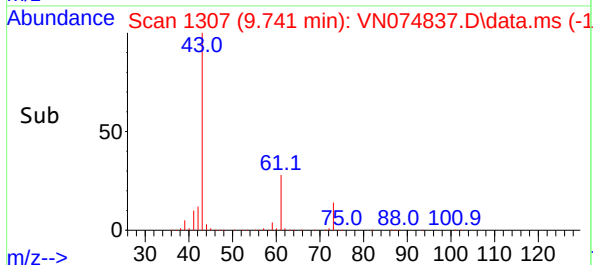
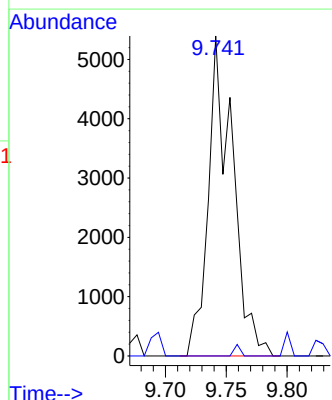
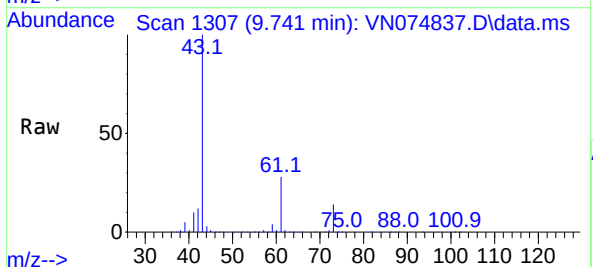


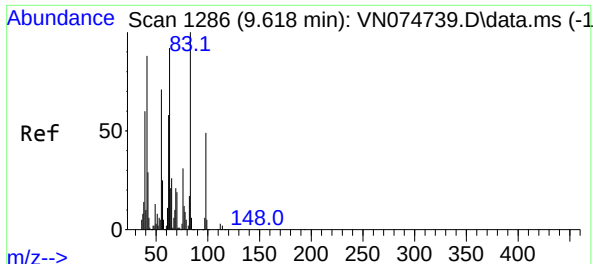
Tgt Ion: 43 Resp: 475338
Ion Ratio Lower Upper
43 100
61 17.9 19.4 29.0#
87 11.5 10.1 15.1



#45
1,2-Dichloropropane
Concen: 0.825 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.112 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 63 Resp: 7482
Ion Ratio Lower Upper
63 100
65 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 1.304 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. 0.047 min

Lab File: VN074837.D

Acq: 10 Oct 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

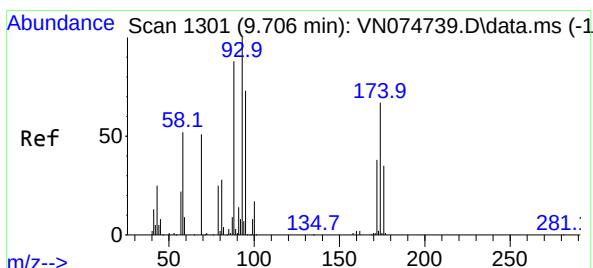
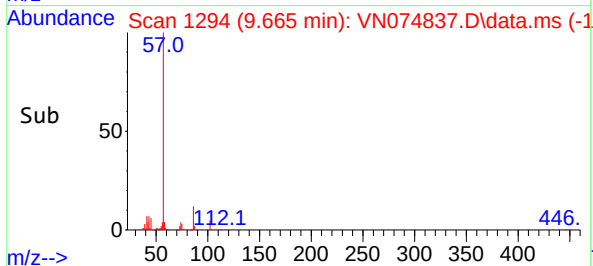
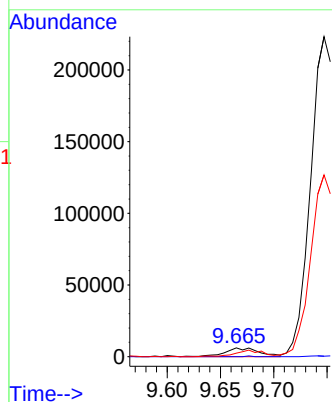
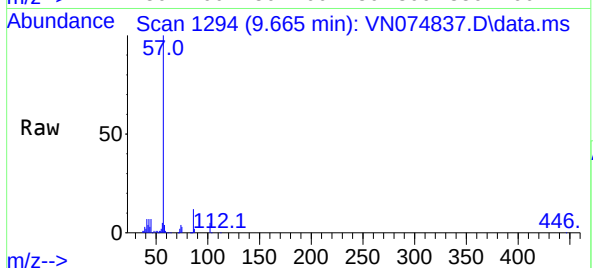
Tgt Ion: 41 Resp: 13730

Ion Ratio Lower Upper

41 100

69 1.4 0.0 0.0#

39 60.1 54.4 81.6



#49

1,4-Dioxane

Concen: 0.254 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. -0.024 min

Lab File: VN074837.D

Acq: 10 Oct 2022 17:25

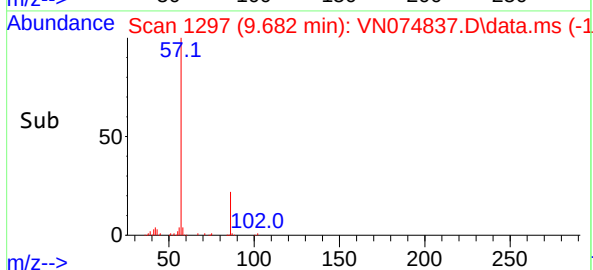
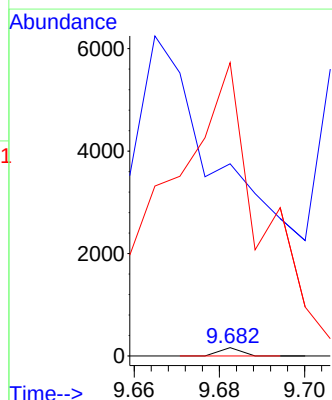
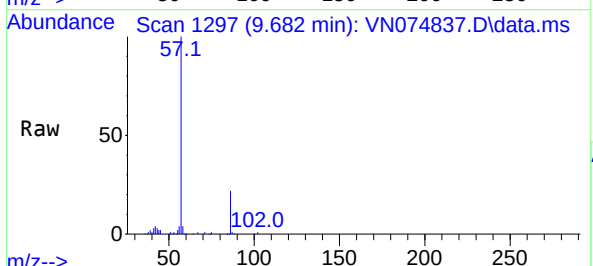
Tgt Ion: 88 Resp: 58

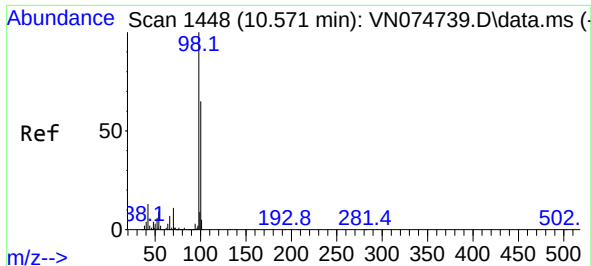
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 17862.1 54.9 82.3#

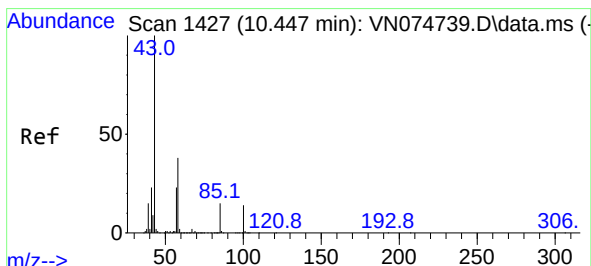
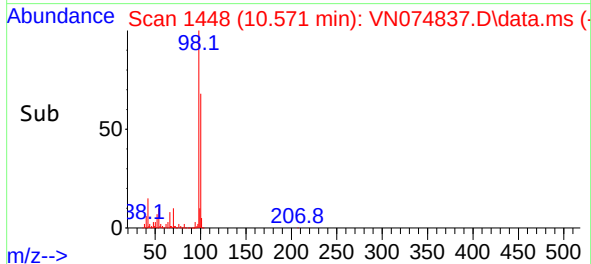
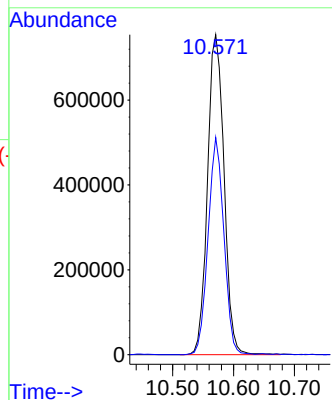
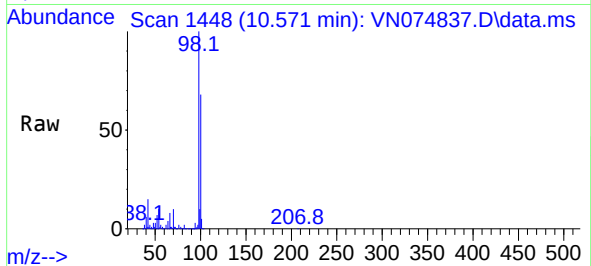




#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

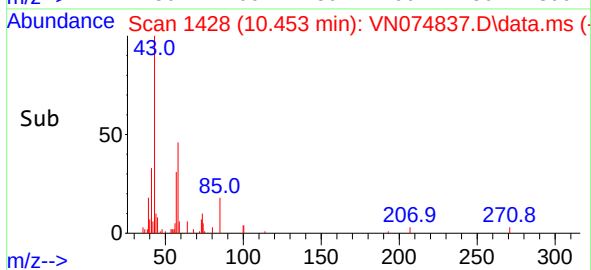
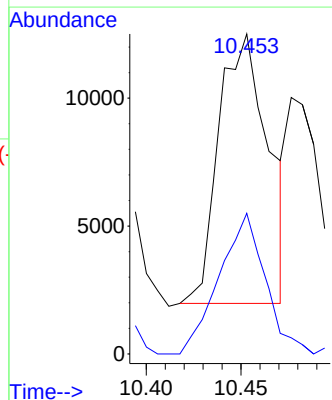
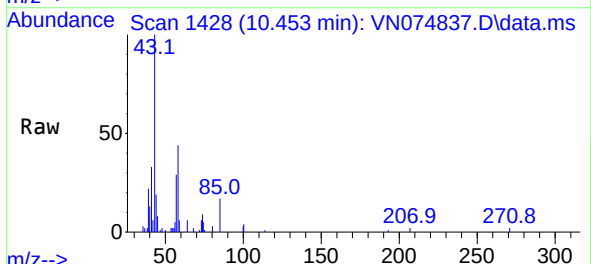
Instrument :
MSVOA_N
ClientSampleId :

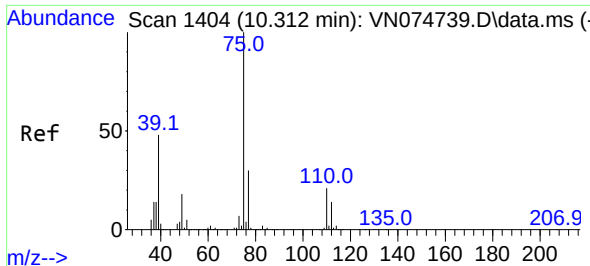
Tgt Ion: 98 Resp: 1422987
Ion Ratio Lower Upper
98 100
100 64.9 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.154 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

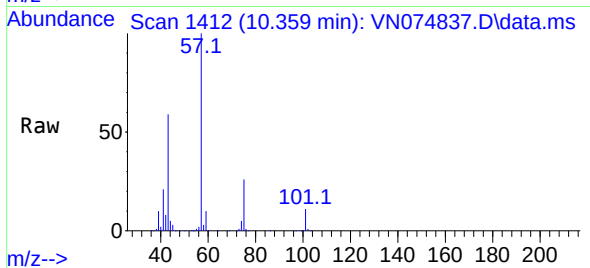
Tgt Ion: 43 Resp: 19055
Ion Ratio Lower Upper
43 100
58 48.8 30.6 45.8#



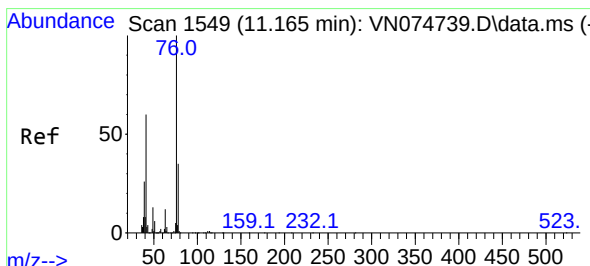
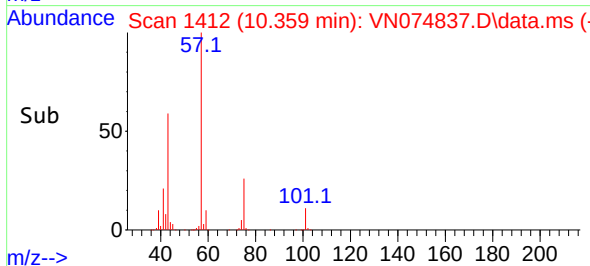
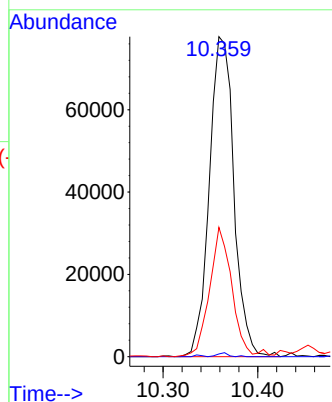


#54
cis-1,3-Dichloropropene
Concen: 10.027 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

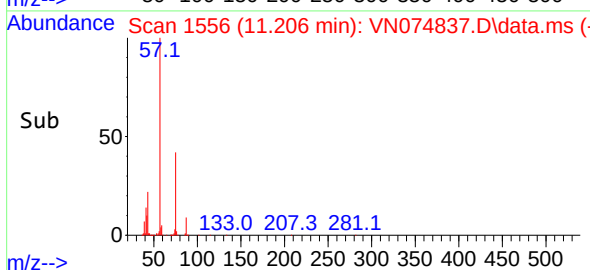
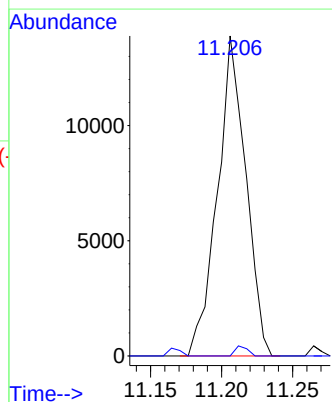
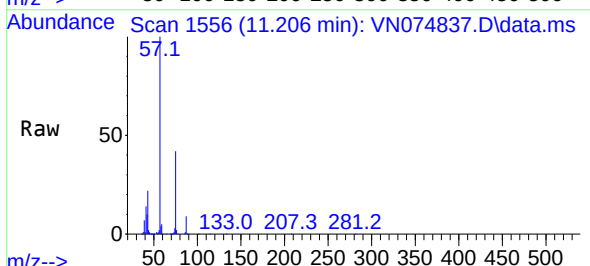


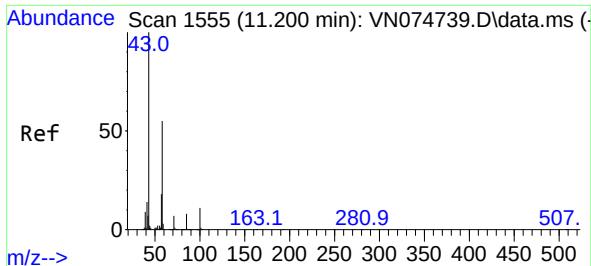
Tgt Ion: 75 Resp: 140240
Ion Ratio Lower Upper
75 100
77 0.9 24.4 36.6#
39 40.2 38.6 57.8



#57
1,3-Dichloropropane
Concen: 1.322 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 76 Resp: 19279
Ion Ratio Lower Upper
76 100
78 1.4 26.2 39.2#

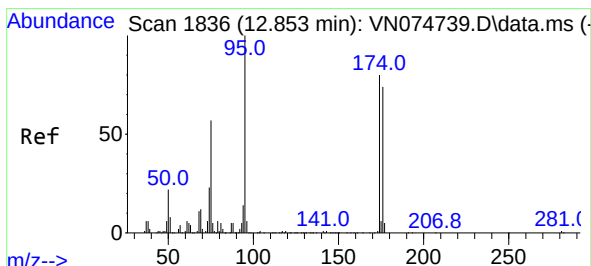
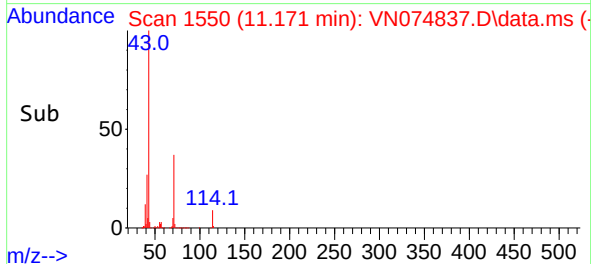
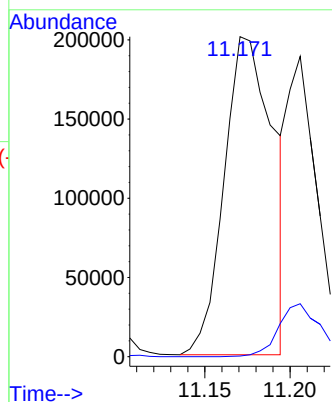
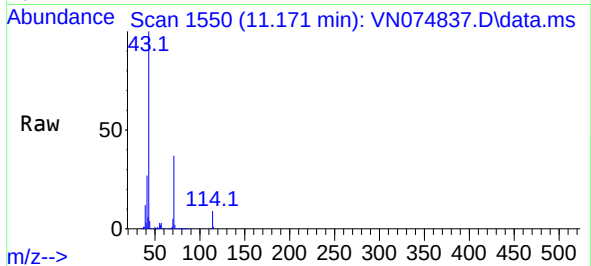




#59
2-Hexanone
Concen: 32.008 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

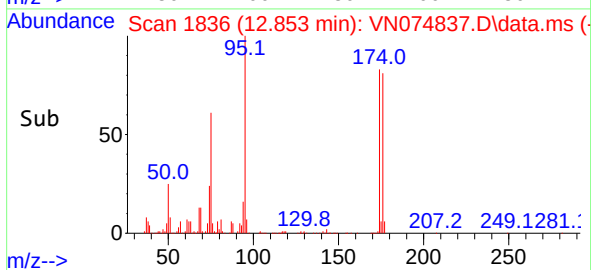
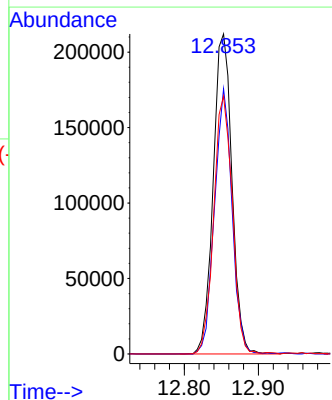
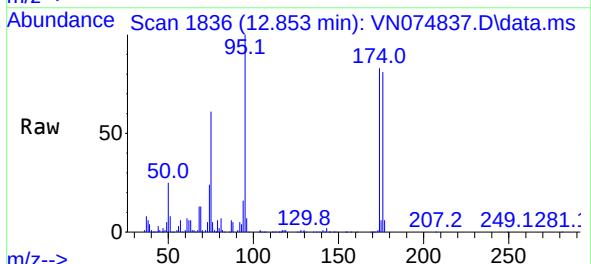
Instrument :
MSVOA_N
ClientSampleId :

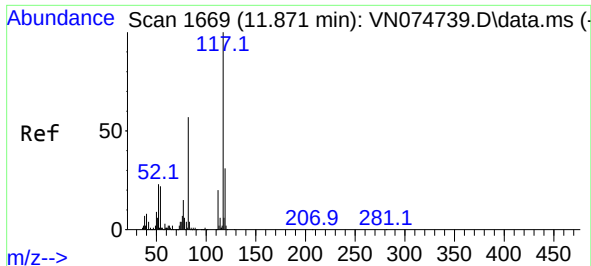
Tgt Ion: 43 Resp: 399826
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 44.674 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 95 Resp: 372468
Ion Ratio Lower Upper
95 100
174 77.6 0.0 149.4
176 79.7 0.0 142.0

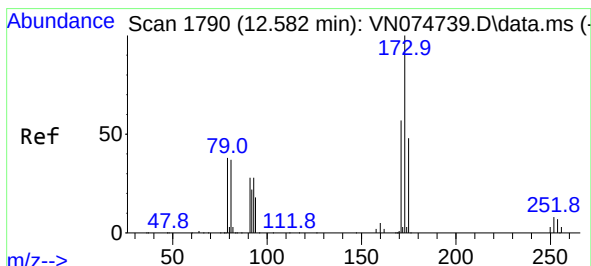
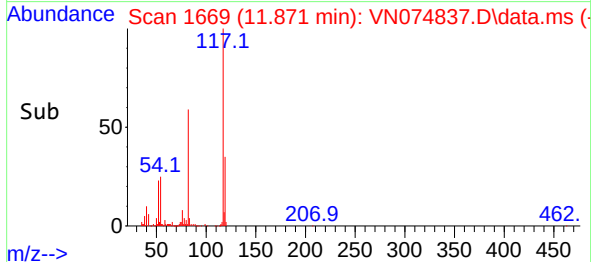
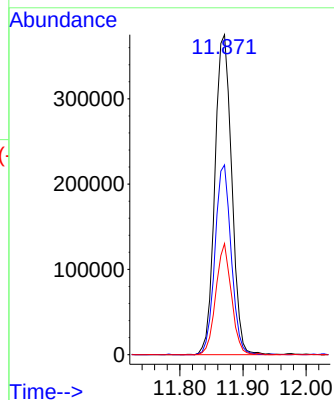
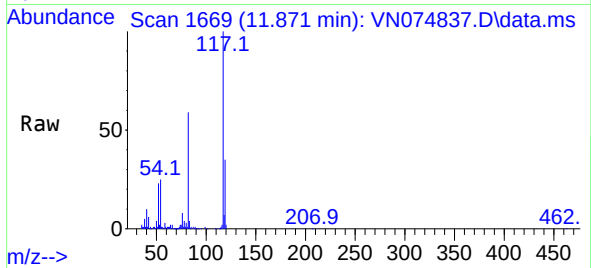




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

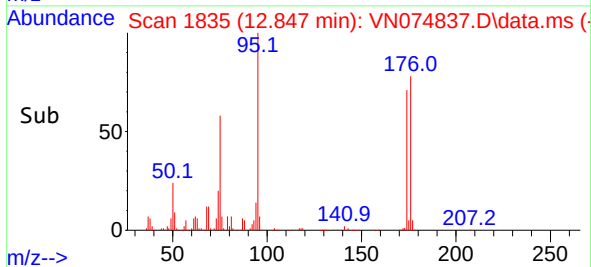
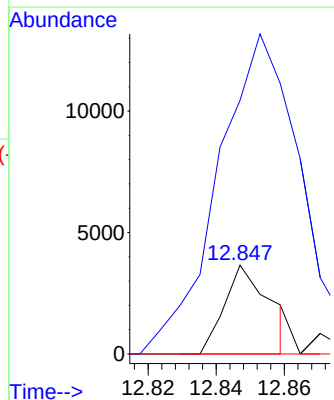
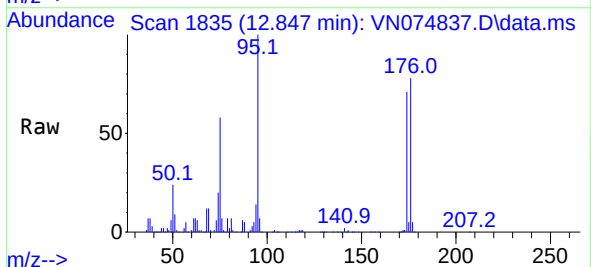
Instrument :
MSVOA_N
ClientSampleId :

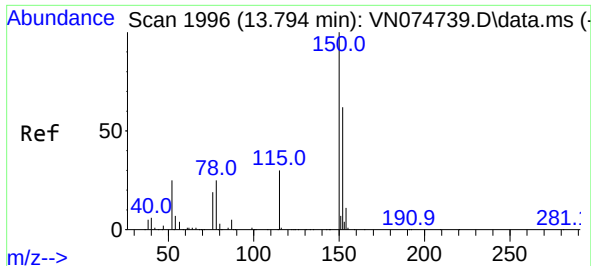
Tgt Ion:117 Resp: 695116
Ion Ratio Lower Upper
117 100
82 59.3 45.4 68.2
119 34.7 25.1 37.7



#71
Bromoform
Concen: 0.575 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion:173 Resp: 3411
Ion Ratio Lower Upper
173 100
175 512.1 23.9 71.7#
254 0.0 0.1 0.1#

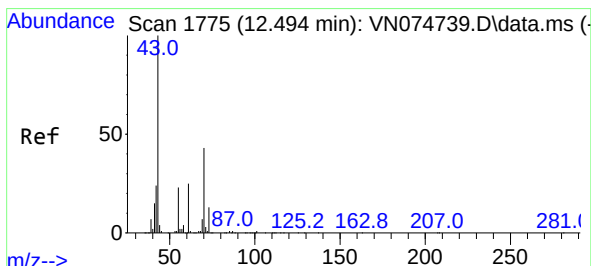
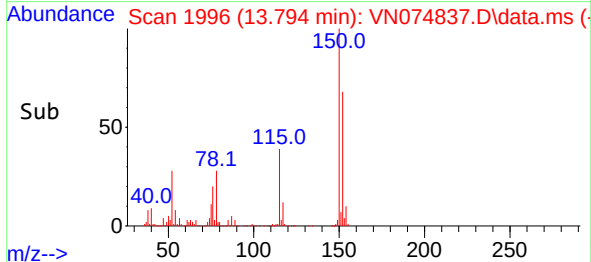
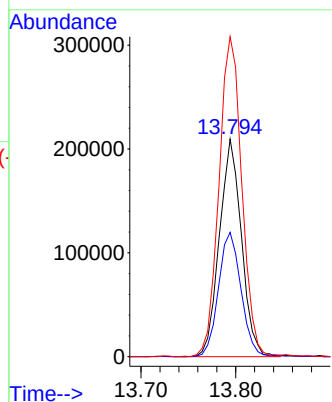
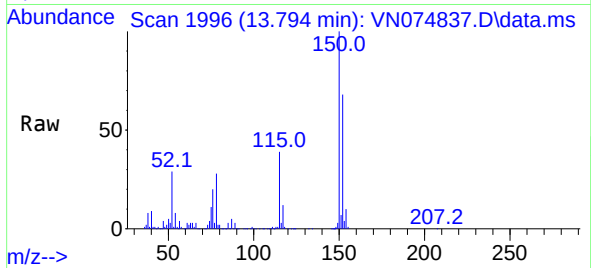




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

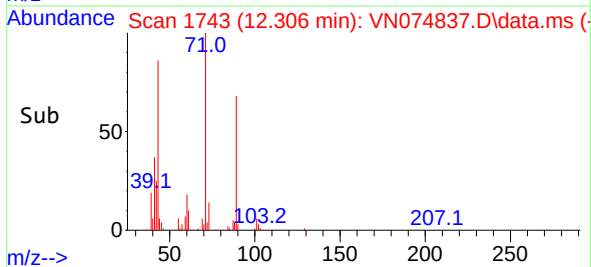
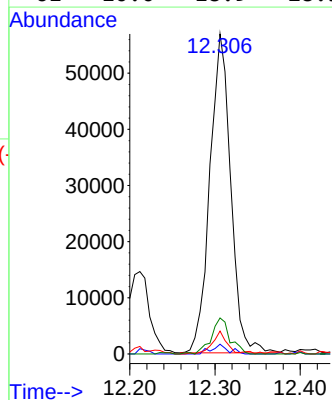
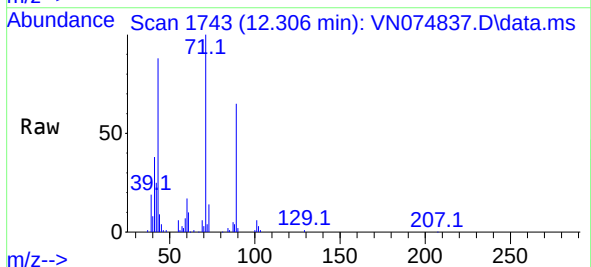
Instrument :
MSVOA_N
ClientSampleId :

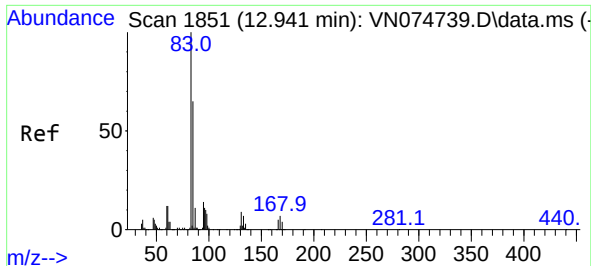
Tgt Ion:152 Resp: 339290
Ion Ratio Lower Upper
152 100
115 58.7 30.0 90.0
150 152.0 0.0 356.4



#74
N-ethyl acetate
Concen: 4.912 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 43 Resp: 96974
Ion Ratio Lower Upper
43 100
70 2.4 32.9 49.3#
55 4.9 17.8 26.6#
61 10.0 18.9 28.3#

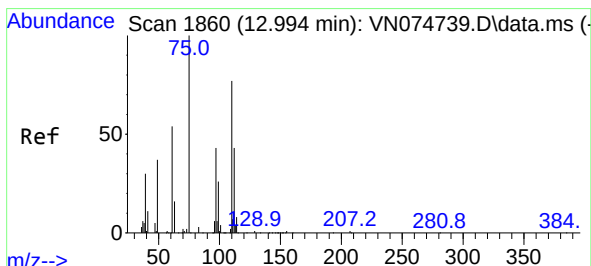
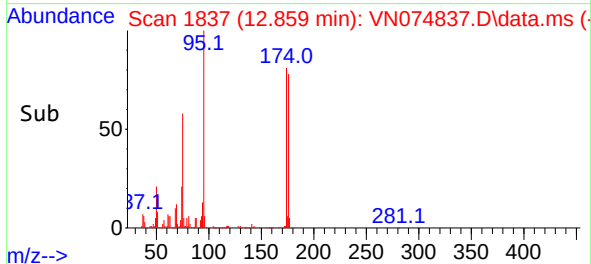
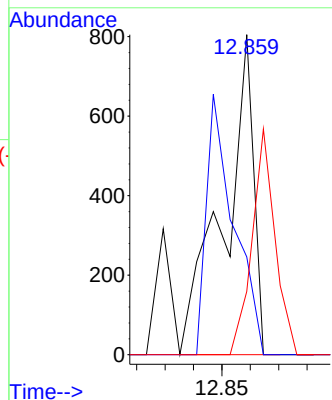
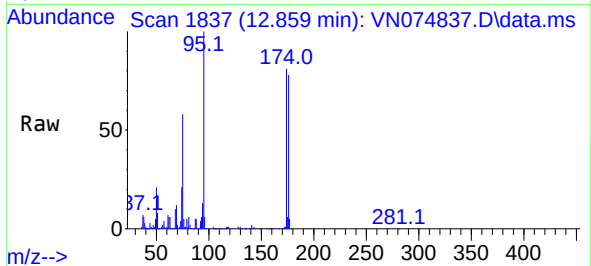




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.859 min Scan# 1837
Delta R.T. -0.082 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

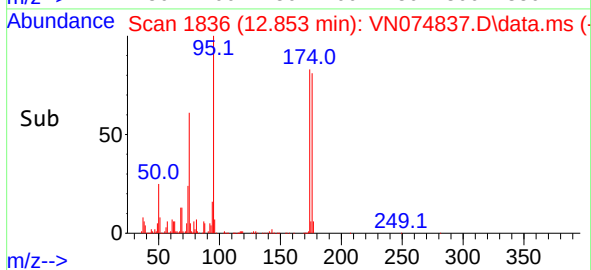
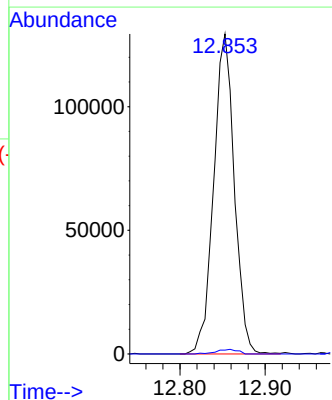
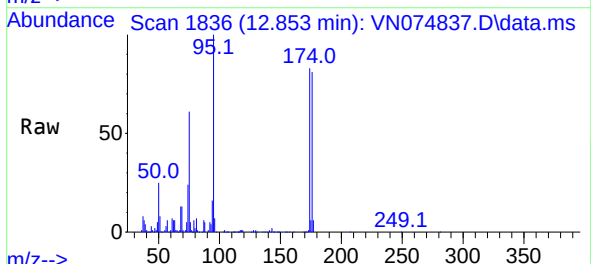
Instrument :
MSVOA_N
ClientSampleId :

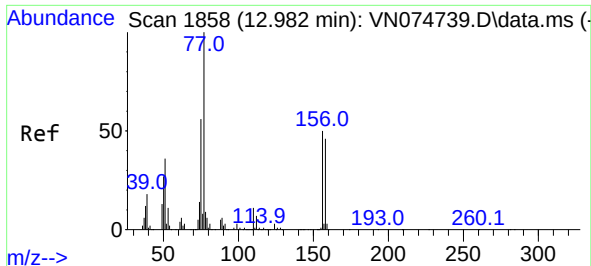
Tgt Ion: 83 Resp: 581
Ion Ratio Lower Upper
83 100
131 75.4 4.3 12.8#
85 54.7 32.9 98.6



#76
1,2,3-Trichloropropane
Concen: 21.529 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

Tgt Ion: 75 Resp: 218020
Ion Ratio Lower Upper
75 100
77 1.5 76.9 230.7#

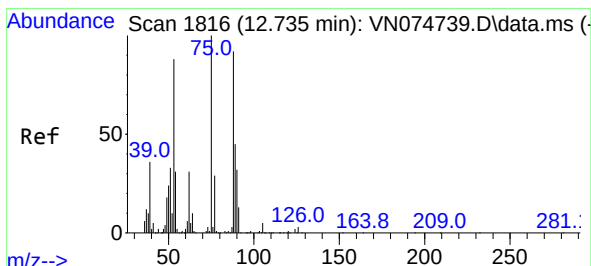
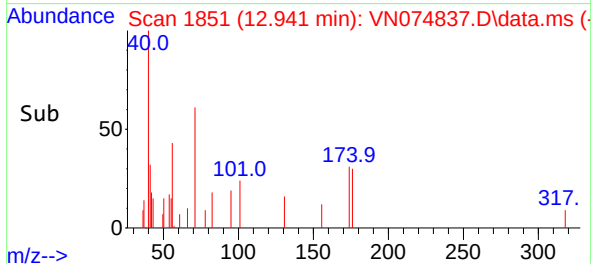
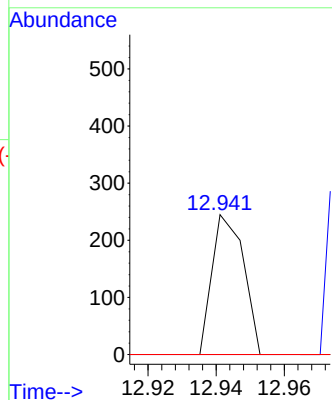
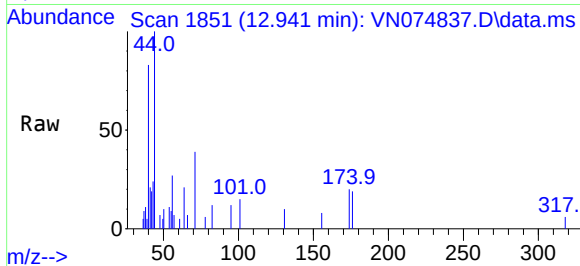




#77
Bromobenzene
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. -0.041 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

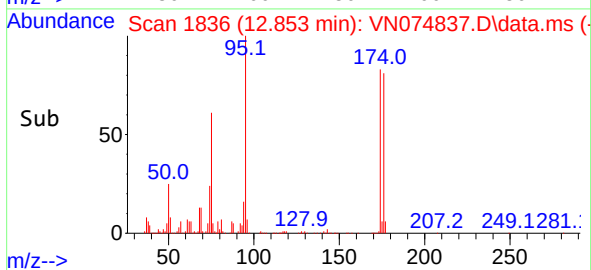
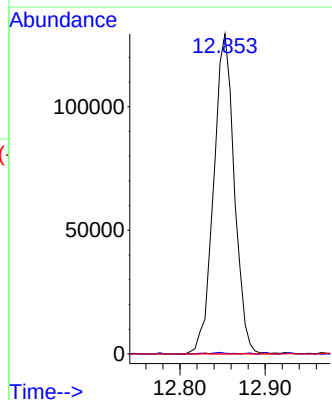
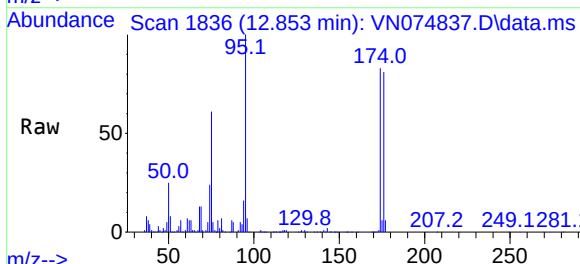
Instrument :
MSVOA_N
ClientSampleId :

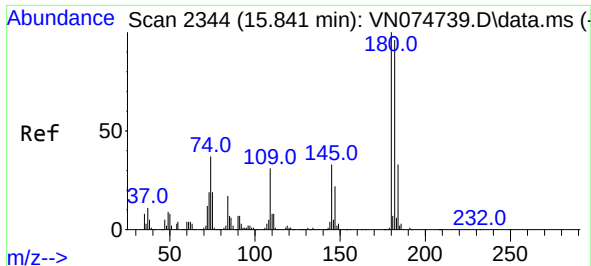
Tgt Ion:156 Resp: 157
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 41.946 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074837.D
Acq: 10 Oct 2022 17:25

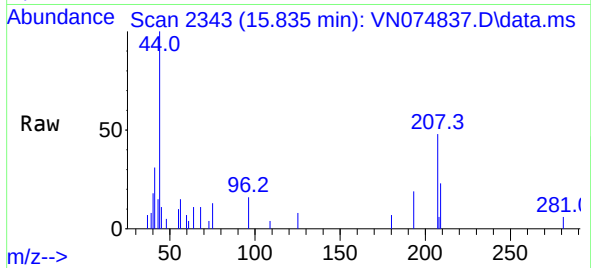
Tgt Ion: 75 Resp: 218020
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.0#
89 0.0 32.1 48.1#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074837.D
 Acq: 10 Oct 2022 17:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	32.9	47.3	142.0#
145	0.0	17.1	51.2#

