

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073807.D
 Acq On : 10 Aug 2022 19:04
 Operator : JC\MD
 Sample : N4119-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP1-2-4FT

Quant Time: Aug 10 22:56:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

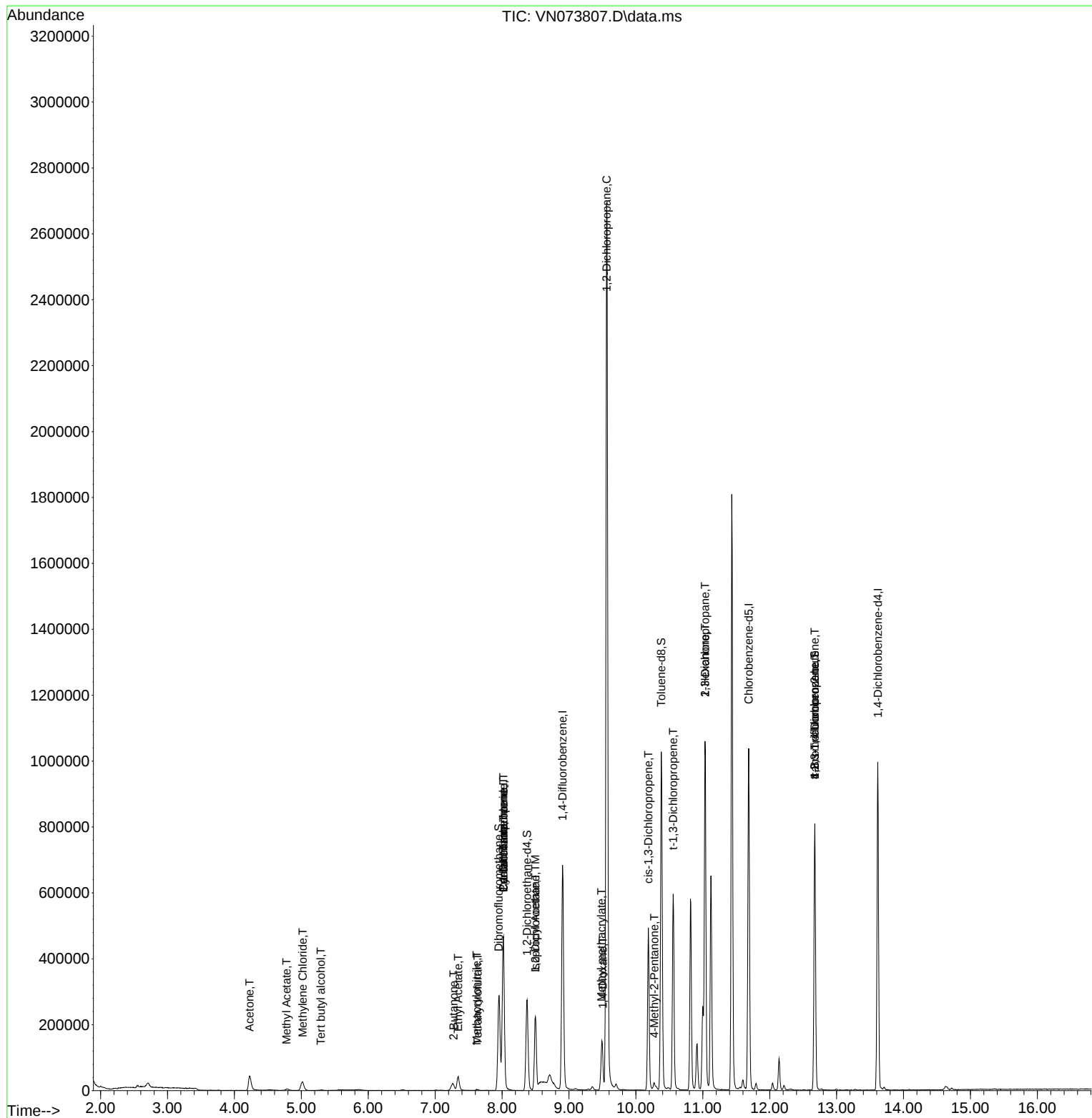
Internal Standards						
1) Pentafluorobenzene	8.022	168	378209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	625295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	612885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	278830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	227303	49.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.640%		
35) Dibromofluoromethane	7.951	113	215959	55.001	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.000%		
50) Toluene-d8	10.380	98	726740	47.035	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.060%		
62) 4-Bromofluorobenzene	12.674	95	263629	48.680	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.360%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	714	Below Cal	#	87
6) Chloroethane	2.904	64	478	Below Cal	#	42
11) Tert butyl alcohol	5.292	59	3295	3.315	ug/l #	77
16) Acetone	4.228	43	81577	32.953	ug/l	97
18) Methyl Acetate	4.781	43	9808	1.592	ug/l	90
20) Methylene Chloride	5.022	84	22741	3.635	ug/l	88
25) 2-Butanone	7.275	43	26222	6.821	ug/l	92
29) Tetrahydrofuran	7.633	42	2103	0.865	ug/l	93
31) Cyclohexane	8.022	56	7283	1.061	ug/l #	23
36) 1,1-Dichloropropene	8.022	75	28306	5.058	ug/l #	49
37) Ethyl Acetate	7.345	43	63847	8.663	ug/l	99
38) Carbon Tetrachloride	8.022	117	34727	6.110	ug/l #	17
41) Methacrylonitrile	7.622	41	1388	0.416	ug/l #	34
42) 1,2-Dichloroethane	8.498	62	1733	0.283	ug/l #	74
43) Isopropyl Acetate	8.498	43	254170	25.533	ug/l #	92
45) 1,2-Dichloropropane	9.563	63	3531	0.777	ug/l #	44
48) Methyl methacrylate	9.486	41	9108	2.090	ug/l #	39
49) 1,4-Dioxane	9.504	88	144	1.172	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	22116	3.098	ug/l #	75
53) t-1,3-Dichloropropene	10.557	75	1788	0.299	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	89079	13.225	ug/l #	64
57) 1,3-Dichloropropane	11.033	76	11799	1.502	ug/l #	42
59) 2-Hexanone	11.033	43	153316	28.343	ug/l #	51
76) 1,2,3-Trichloropropane	12.674	75	135727	24.957	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	135727	63.082	ug/l #	11

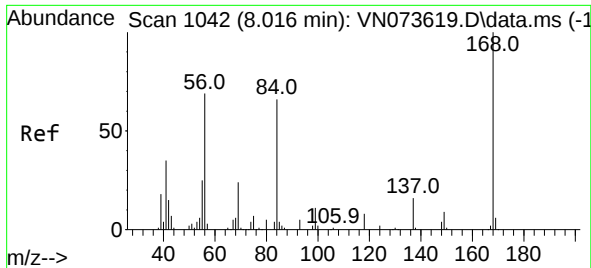
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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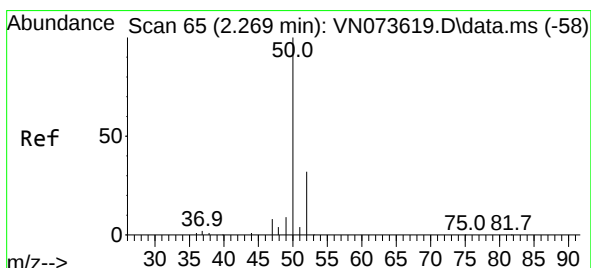
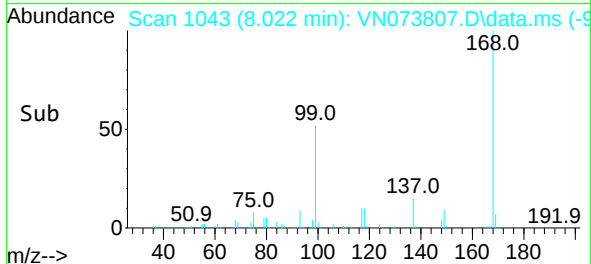
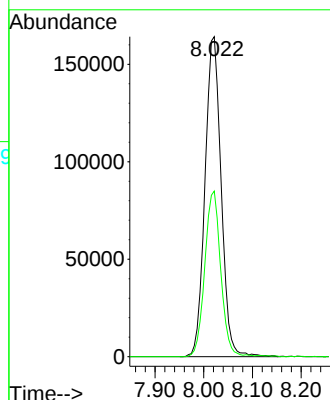
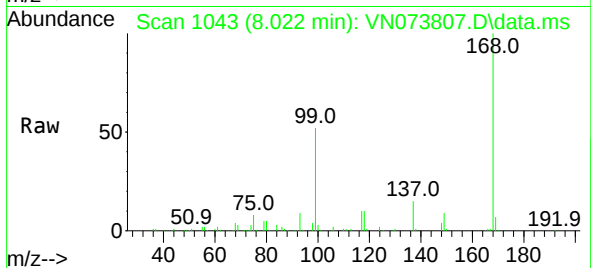




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

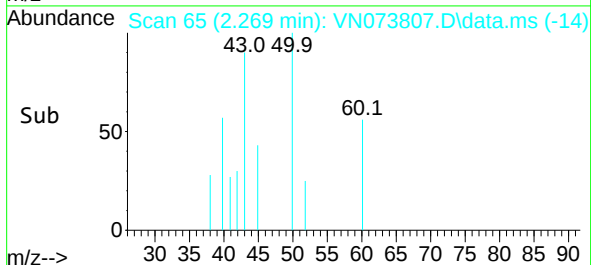
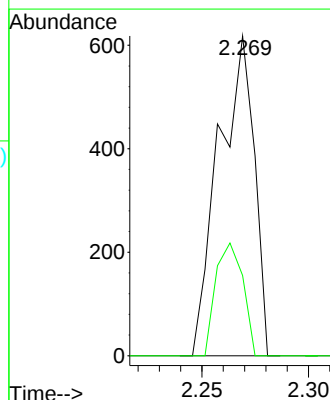
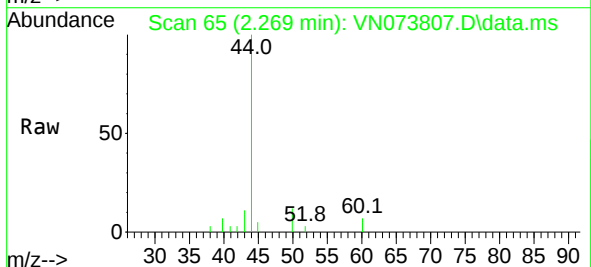
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

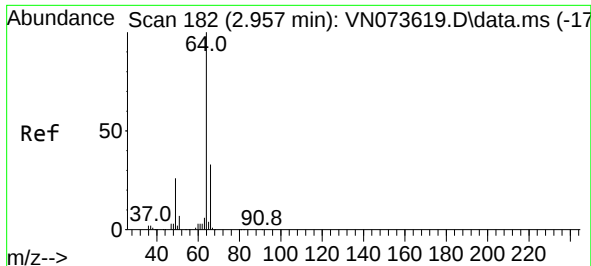
Tgt Ion:168 Resp: 378209
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 50 Resp: 714
Ion Ratio Lower Upper
50 100
52 25.1 25.7 38.5#

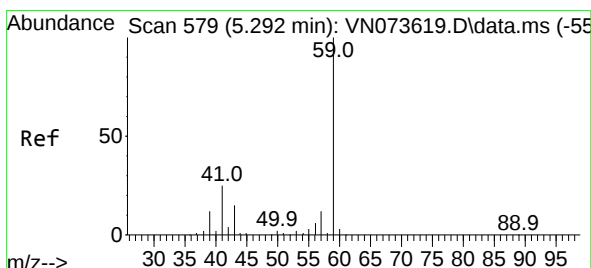
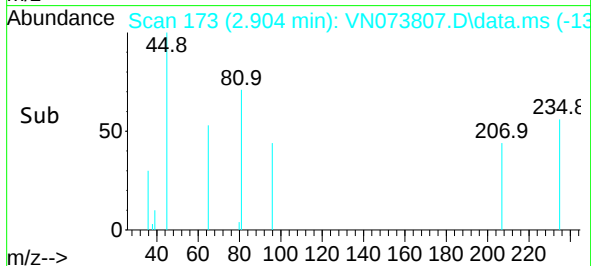
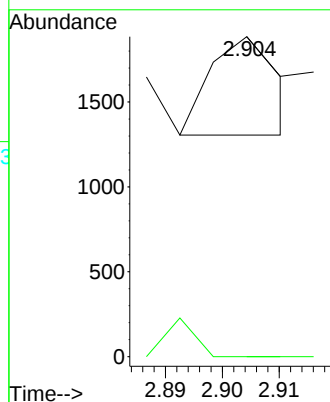
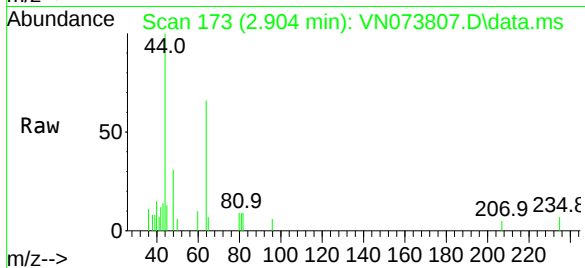




#6
Chloroethane
Concen: Below Cal
RT: 2.904 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

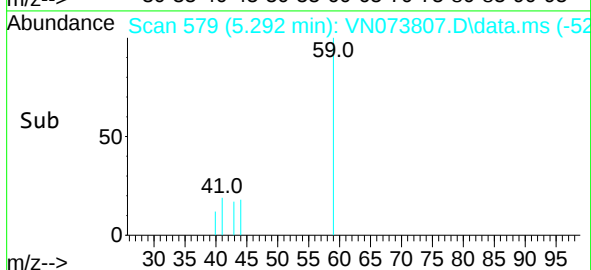
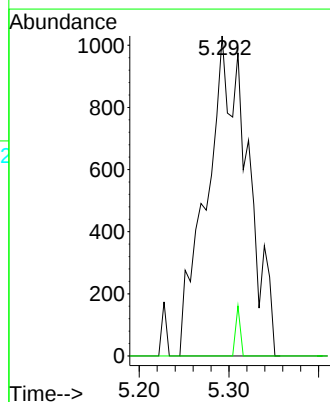
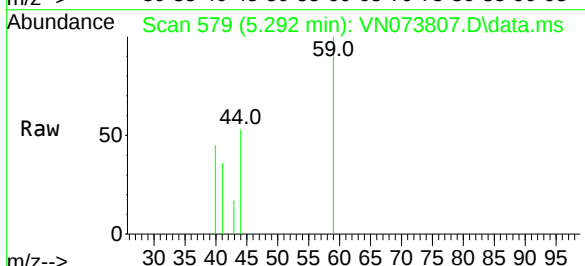
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

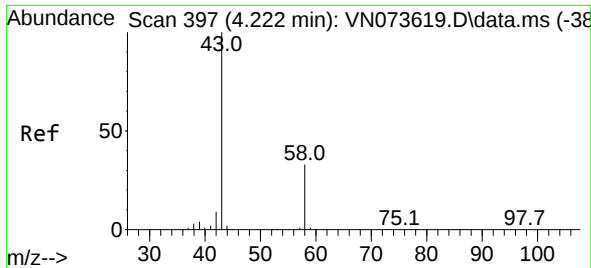
Tgt Ion: 64 Resp: 478
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.315 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 59 Resp: 3295
Ion Ratio Lower Upper
59 100
57 1.7 8.3 12.5#





#16

Acetone

Concen: 32.953 ug/l

RT: 4.228 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

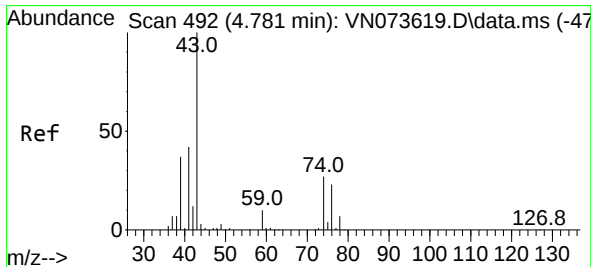
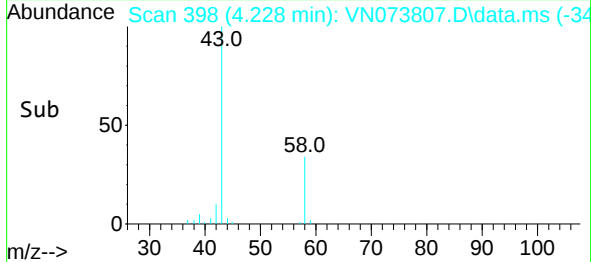
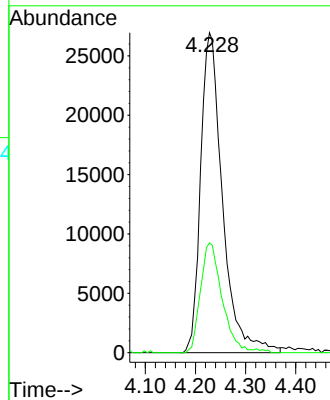
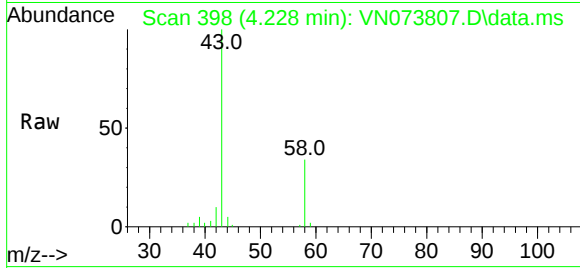
TP1-2-4FT

Tgt Ion: 43 Resp: 81577

Ion Ratio Lower Upper

43 100

58 34.3 26.0 39.0



#18

Methyl Acetate

Concen: 1.592 ug/l

RT: 4.781 min Scan# 492

Delta R.T. -0.000 min

Lab File: VN073807.D

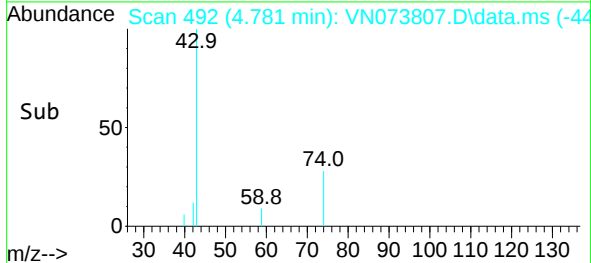
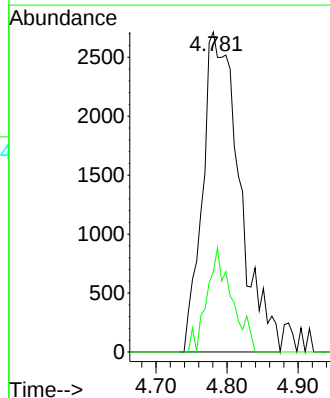
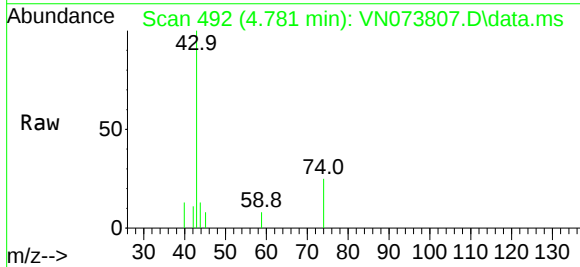
Acq: 10 Aug 2022 19:04

Tgt Ion: 43 Resp: 9808

Ion Ratio Lower Upper

43 100

74 22.0 21.6 32.4

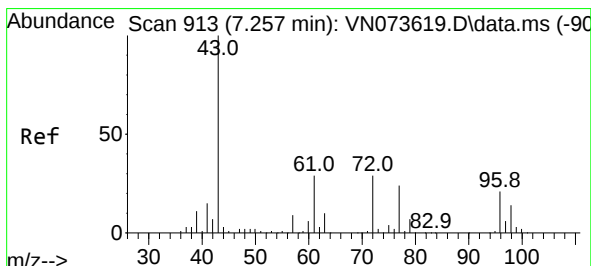
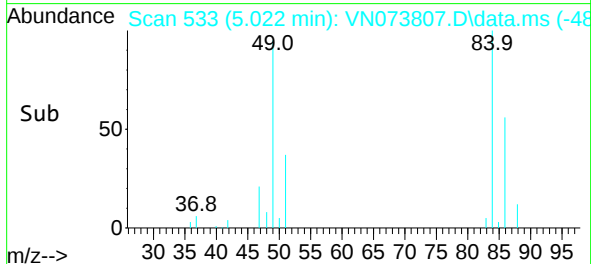
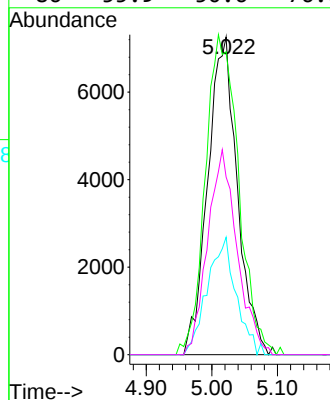
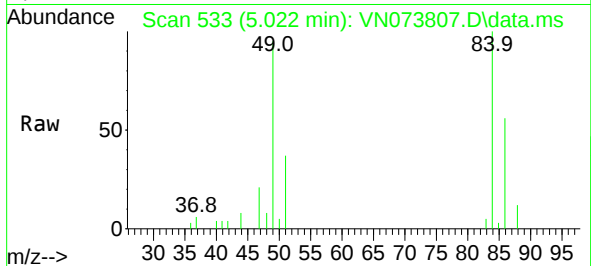




#20
Methylene Chloride
Concen: 3.635 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

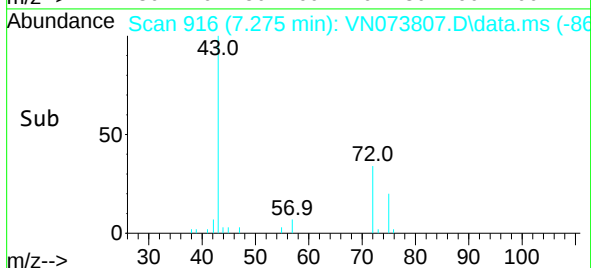
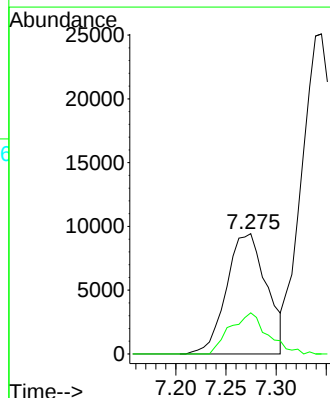
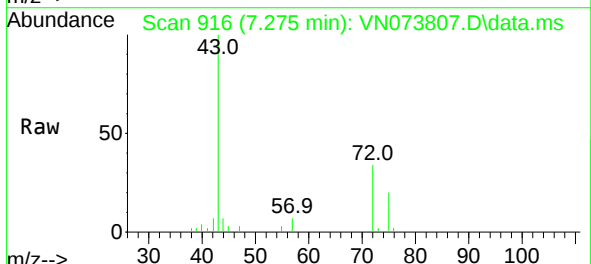
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

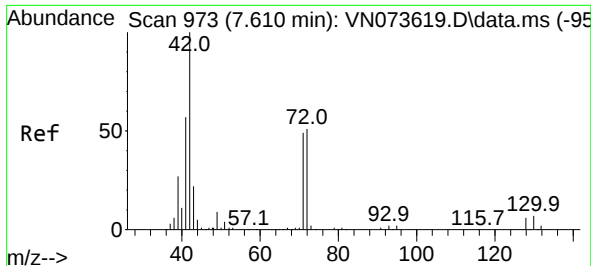
Tgt Ion: 84	Resp: 22741
Ion Ratio	Lower Upper
84 100	
49 93.0	88.3 132.5
51 37.0	28.2 42.2
86 55.9	50.6 76.0



#25
2-Butanone
Concen: 6.821 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 43	Resp: 26222		
Ion Ratio	Lower	Upper	
43 100			
72 34.2	23.7	35.5	





#29

Tetrahydrofuran

Concen: 0.865 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

TP1-2-4FT

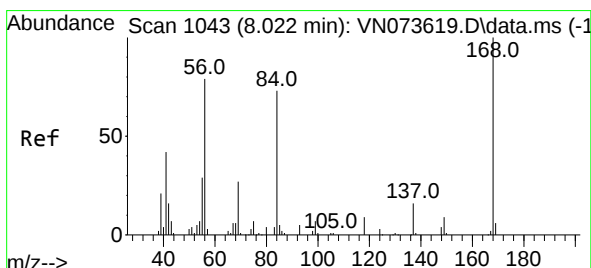
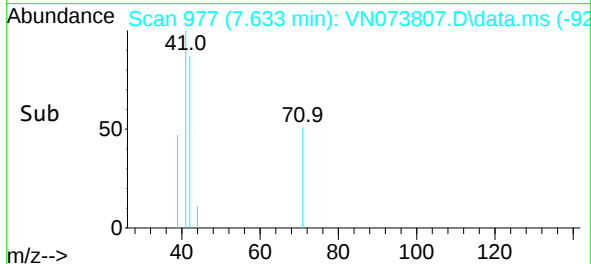
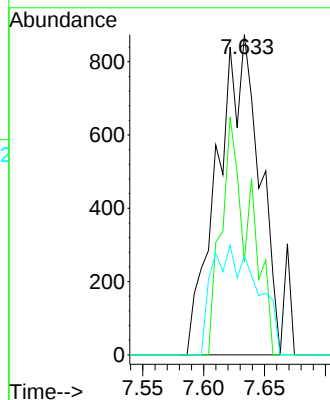
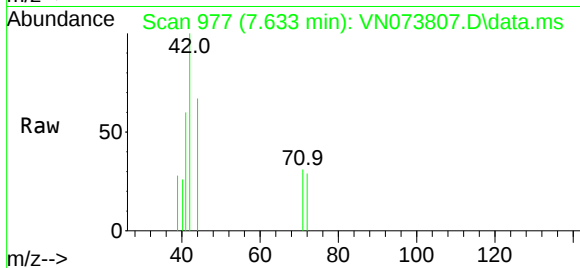
Tgt Ion: 42 Resp: 2103

Ion Ratio Lower Upper

42 100

72 50.2 39.7 59.5

71 36.7 36.6 55.0



#31

Cyclohexane

Concen: 1.061 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

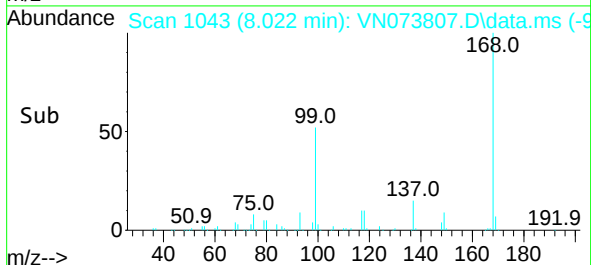
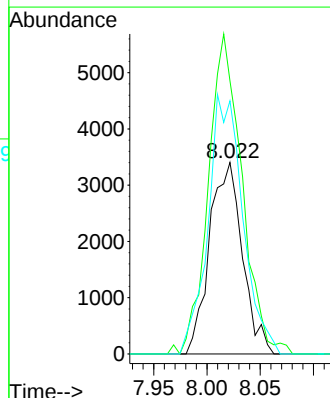
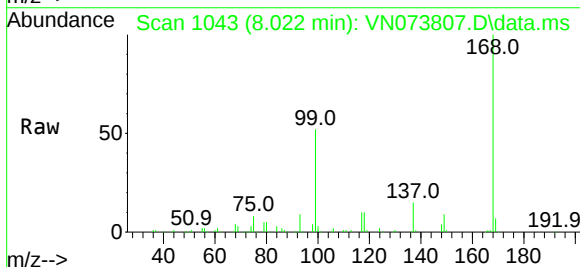
Tgt Ion: 56 Resp: 7283

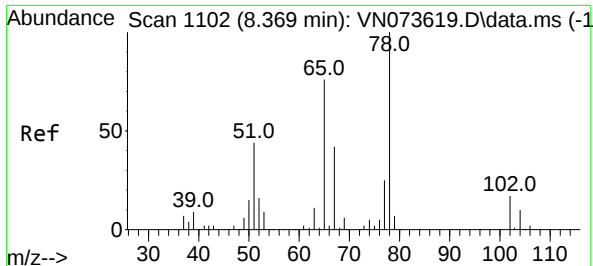
Ion Ratio Lower Upper

56 100

69 142.7 27.8 41.8#

84 132.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.316 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

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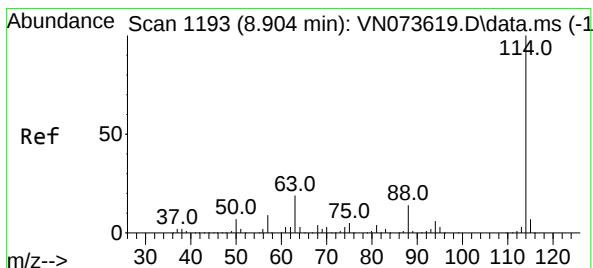
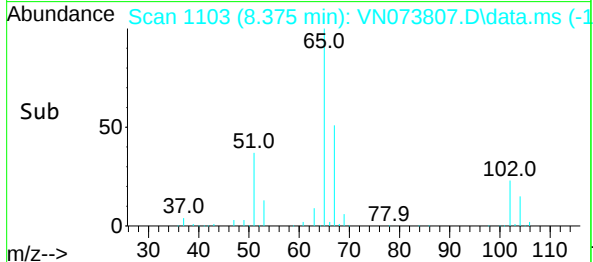
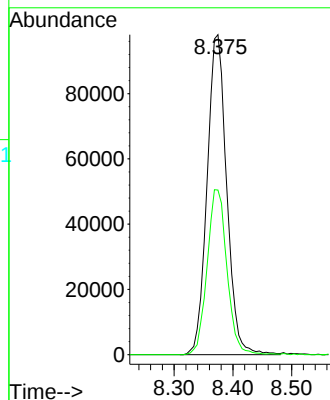
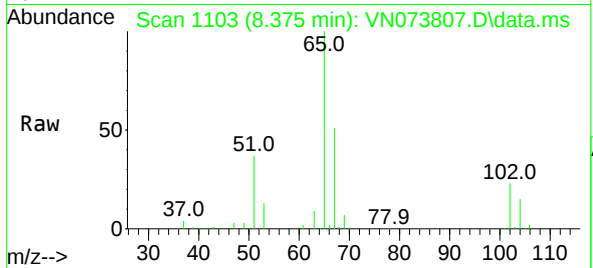
TP1-2-4FT

Tgt Ion: 65 Resp: 227303

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

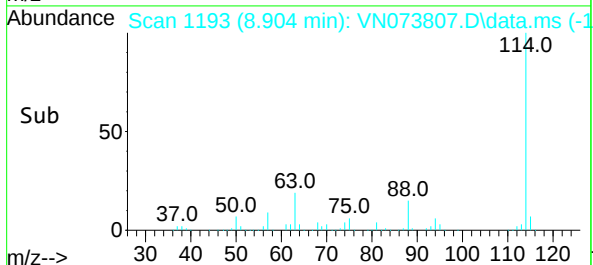
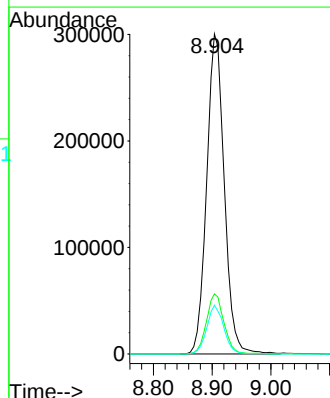
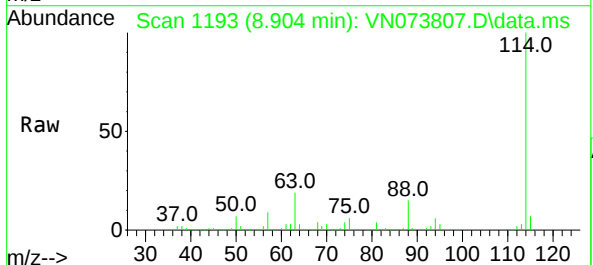
Tgt Ion: 114 Resp: 625295

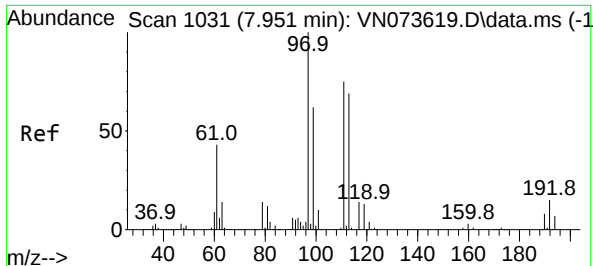
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.001 ug/l

RT: 7.951 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

TP1-2-4FT

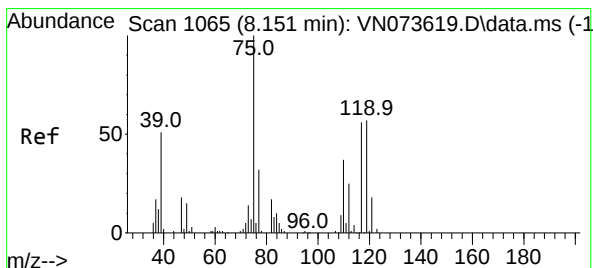
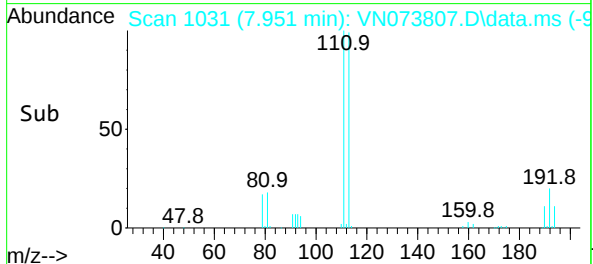
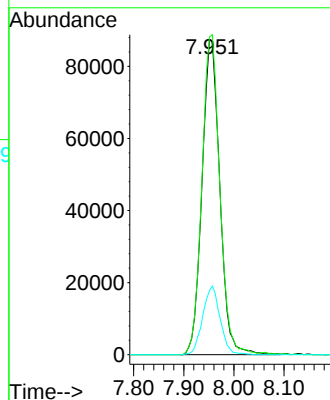
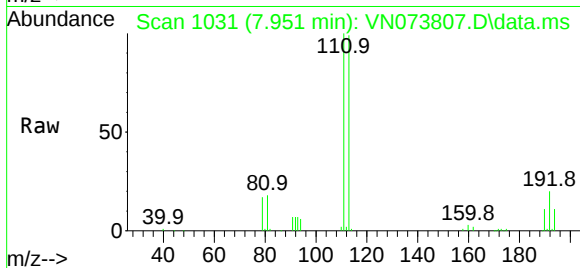
Tgt Ion:113 Resp: 215959

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 21.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.058 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.130 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

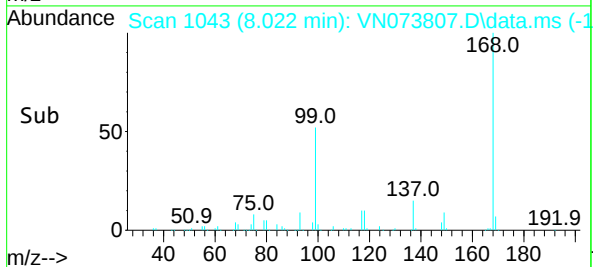
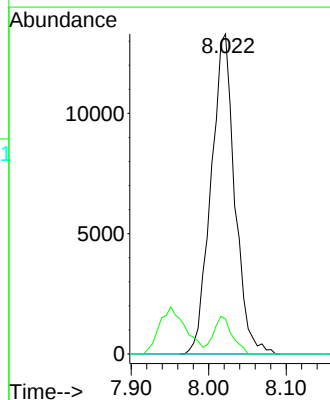
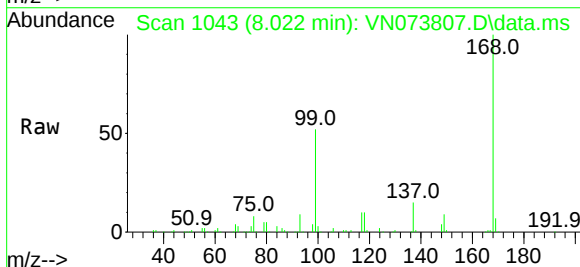
Tgt Ion: 75 Resp: 28306

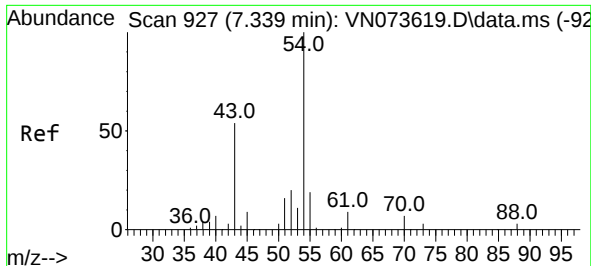
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#

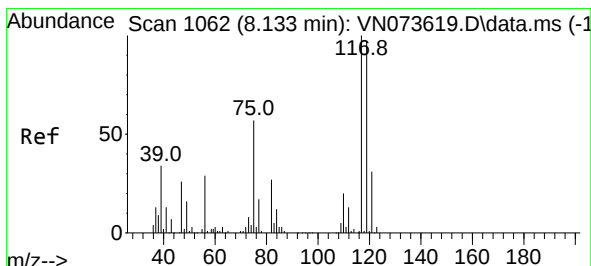
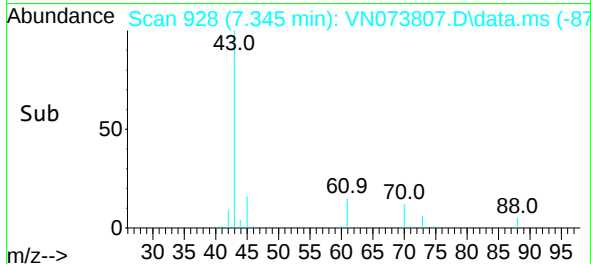
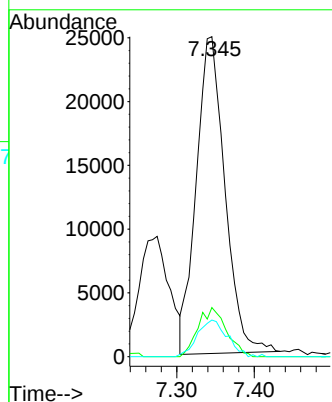
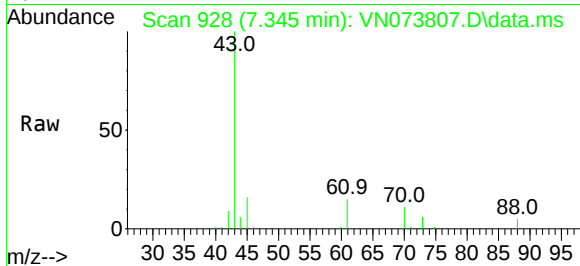




#37
Ethyl Acetate
Concen: 8.663 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

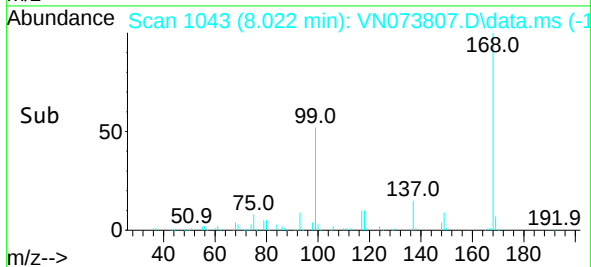
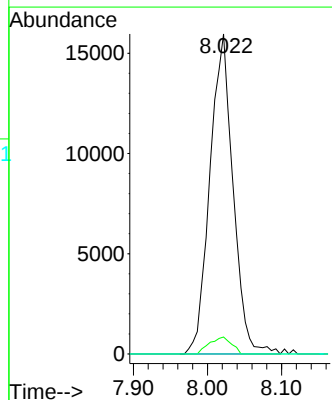
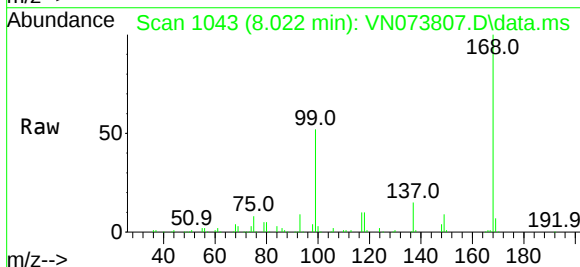
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

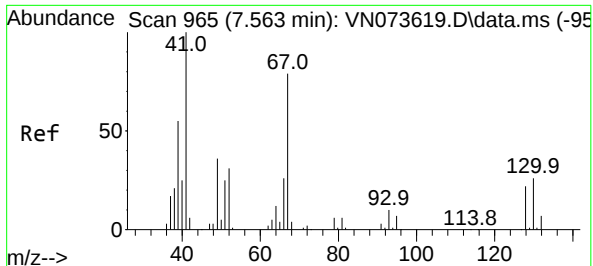
Tgt Ion: 43 Resp: 63847
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 12.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.110 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 117 Resp: 34727
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#

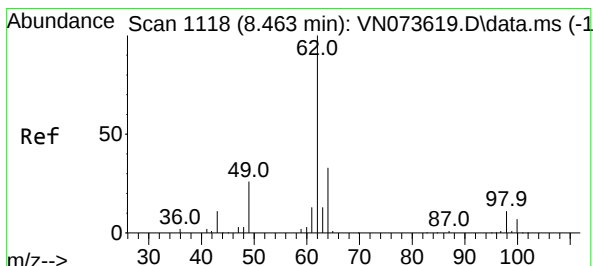
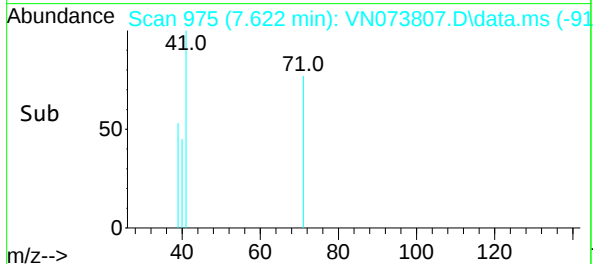
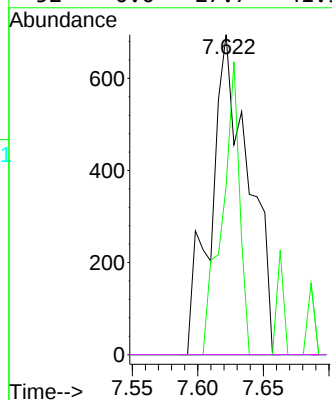
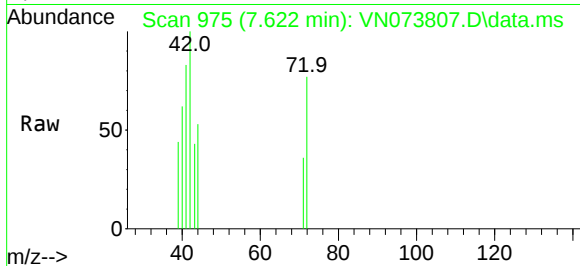




#41
Methacrylonitrile
Concen: 0.416 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

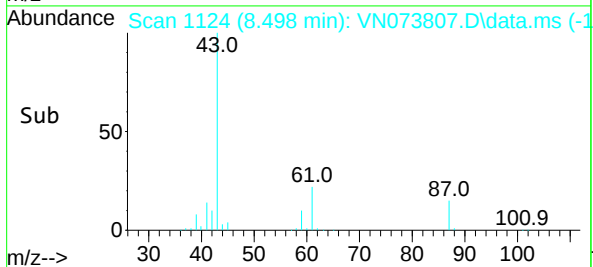
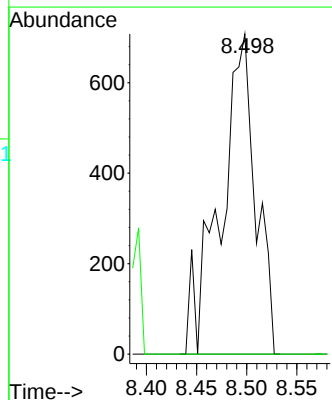
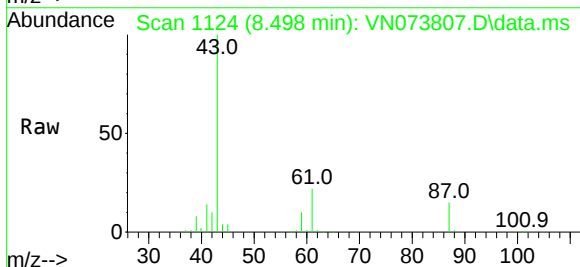
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

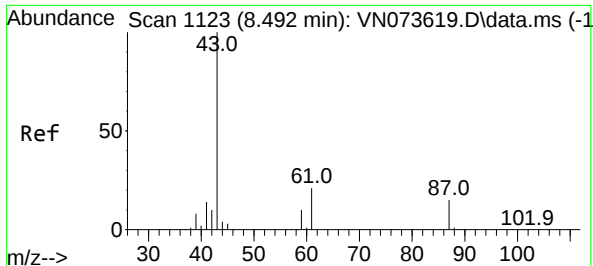
Tgt Ion: 41 Resp: 1388
Ion Ratio Lower Upper
41 100
39 42.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.283 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.035 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 62 Resp: 1733
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 25.533 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

TP1-2-4FT

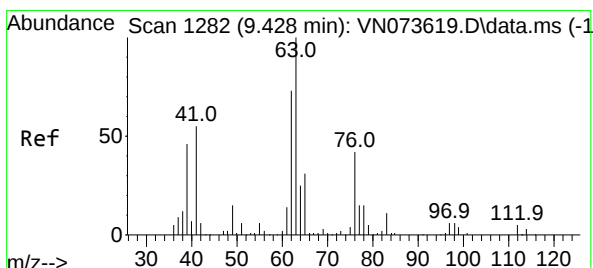
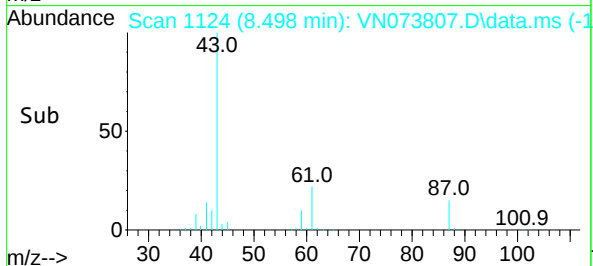
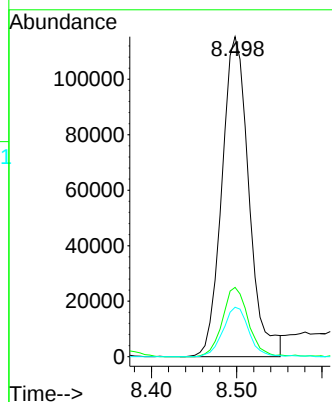
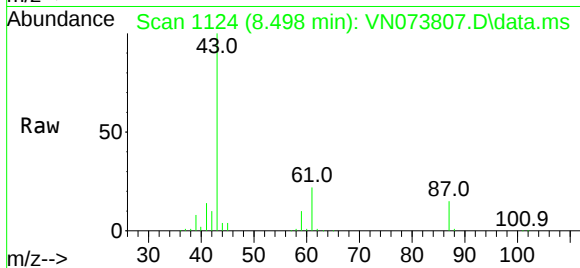
Tgt Ion: 43 Resp: 254170

Ion Ratio Lower Upper

43 100

61 20.8 21.9 32.9#

87 14.7 12.0 18.0



#45

1,2-Dichloropropane

Concen: 0.777 ug/l

RT: 9.563 min Scan# 1305

Delta R.T. 0.135 min

Lab File: VN073807.D

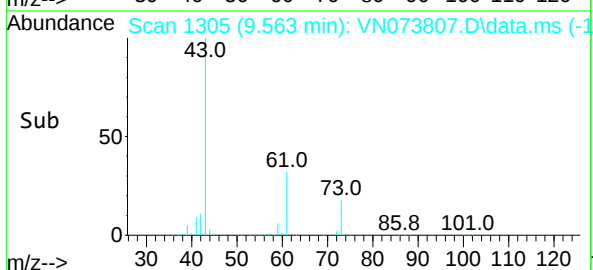
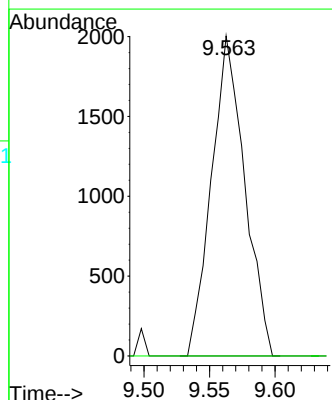
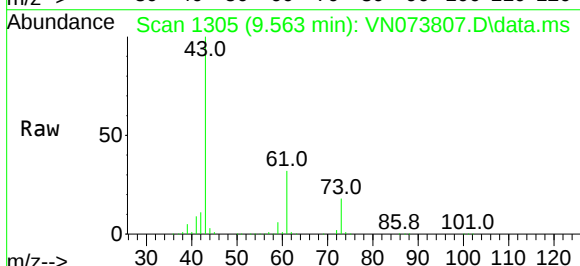
Acq: 10 Aug 2022 19:04

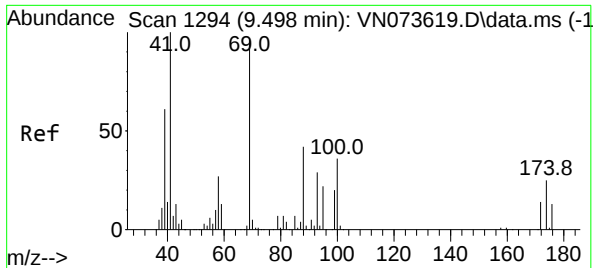
Tgt Ion: 63 Resp: 3531

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

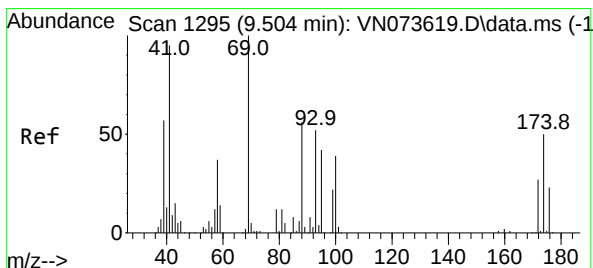
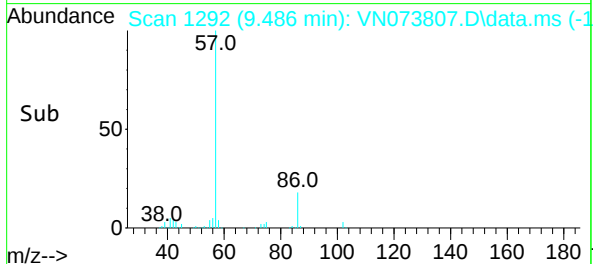
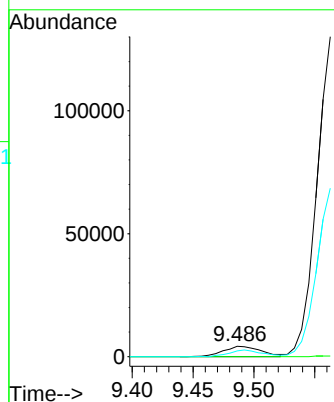
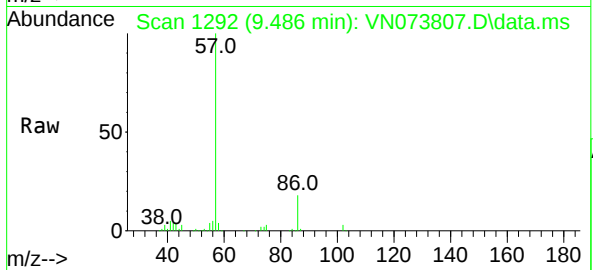




#48
Methyl methacrylate
Concen: 2.090 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

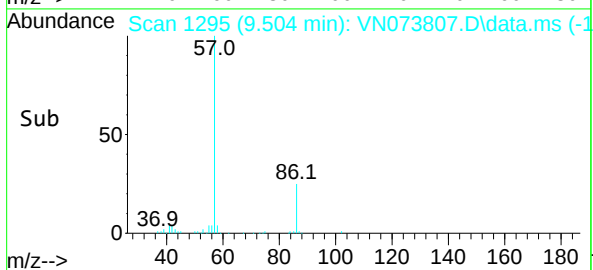
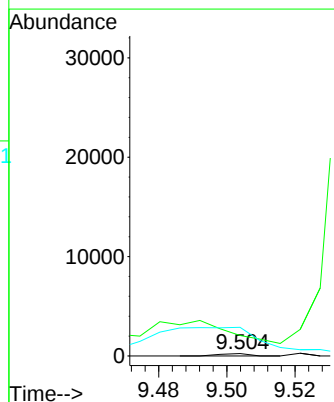
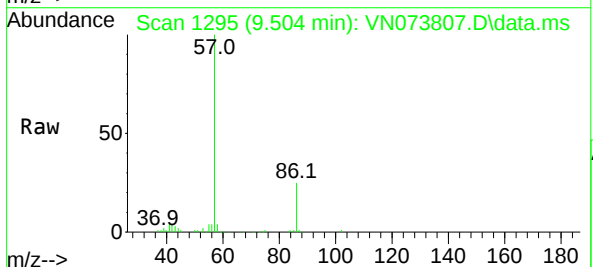
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

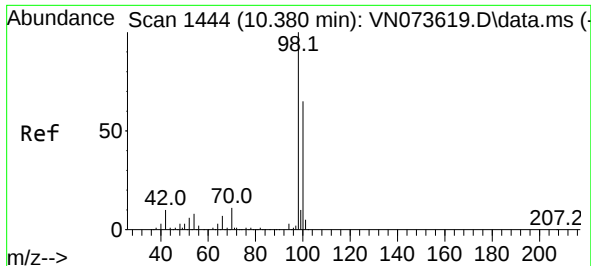
Tgt Ion: 41 Resp: 9108
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 56.4 45.6 68.4



#49
1,4-Dioxane
Concen: 1.172 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 5111.1 54.2 81.4#

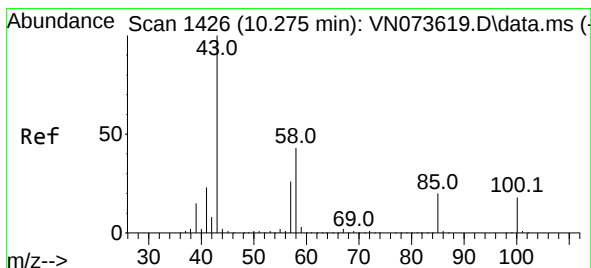
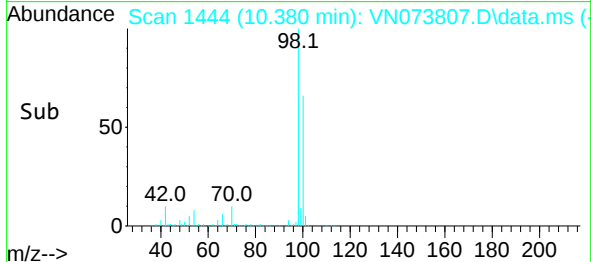
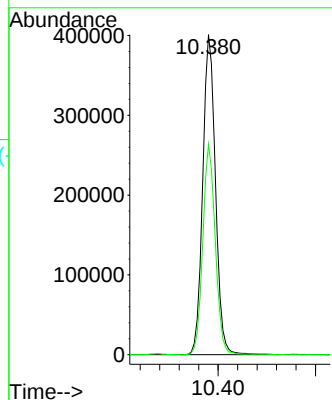
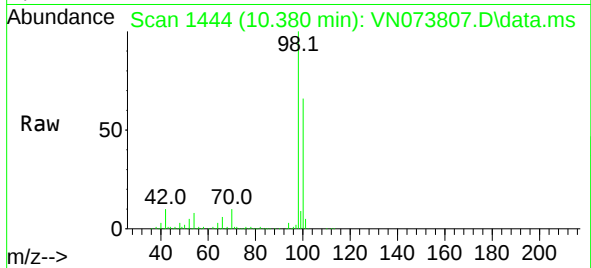




#50
Toluene-d8
Concen: 47.035 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

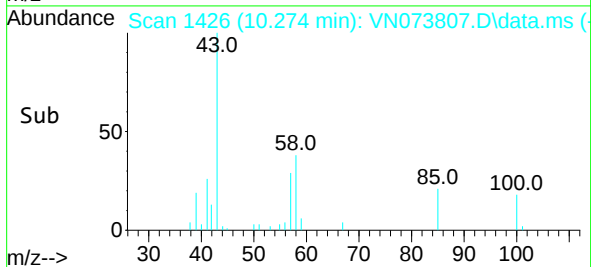
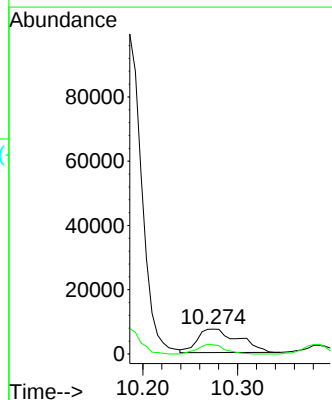
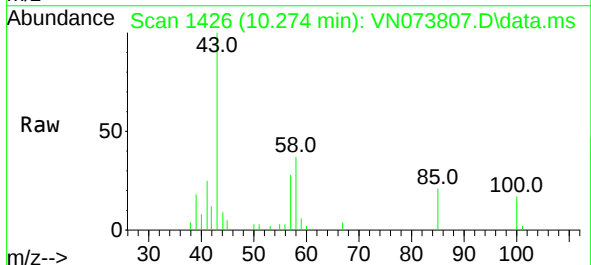
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

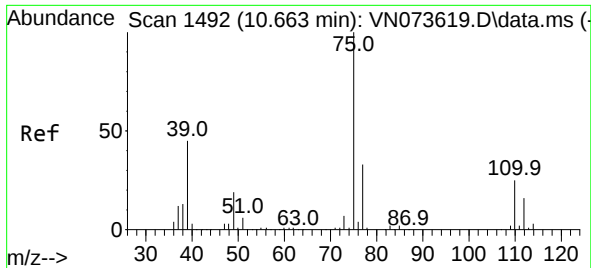
Tgt Ion: 98 Resp: 726740
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.098 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 43 Resp: 22116
Ion Ratio Lower Upper
43 100
58 26.7 34.1 51.1#

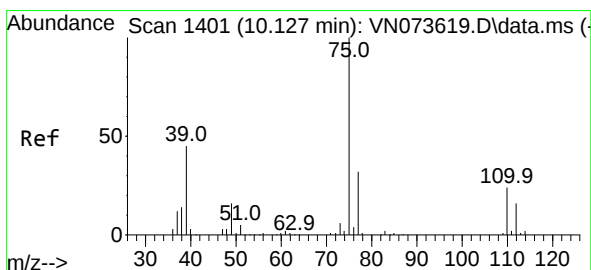
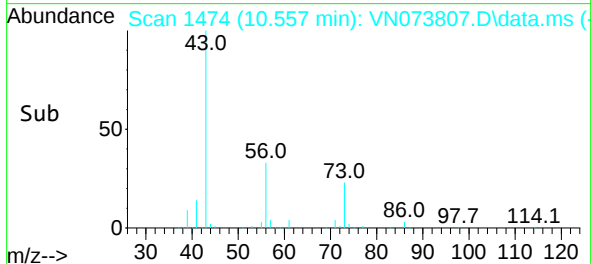
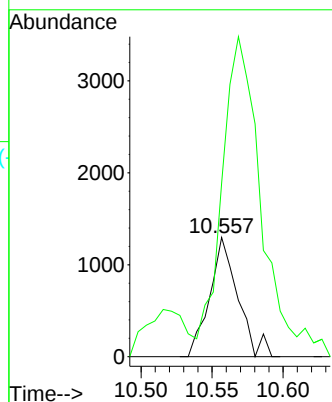
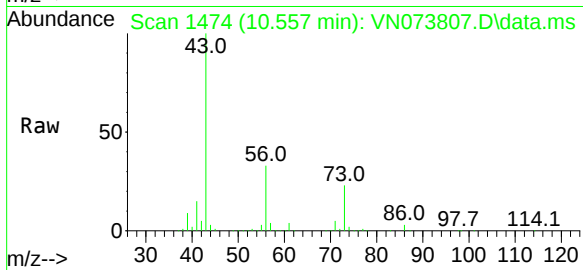




#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 10.557 min Scan# 1410
Delta R.T. -0.106 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

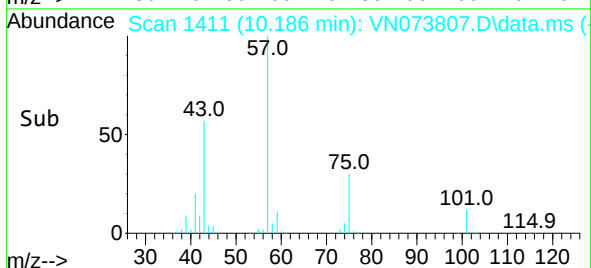
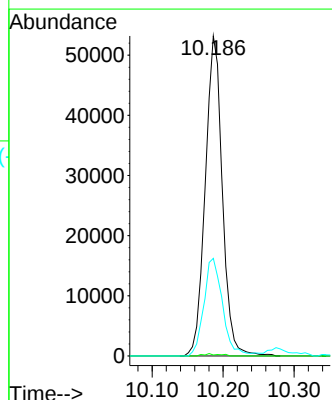
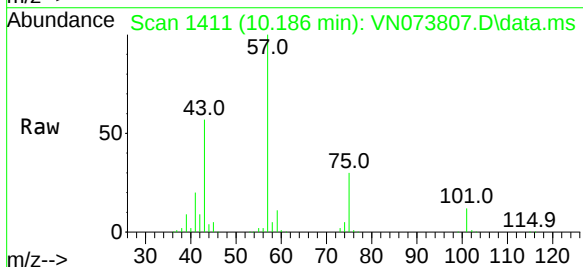
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

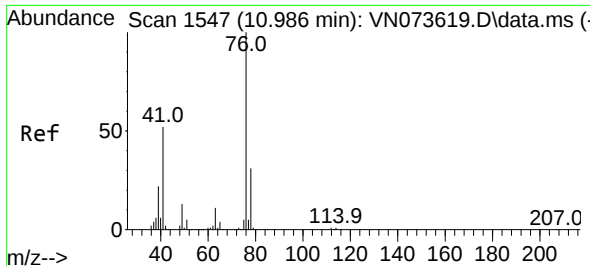
Tgt Ion: 75 Resp: 1788
Ion Ratio Lower Upper
75 100
77 110.9 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 13.225 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 75 Resp: 89079
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 30.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.502 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073807.D

Acq: 10 Aug 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

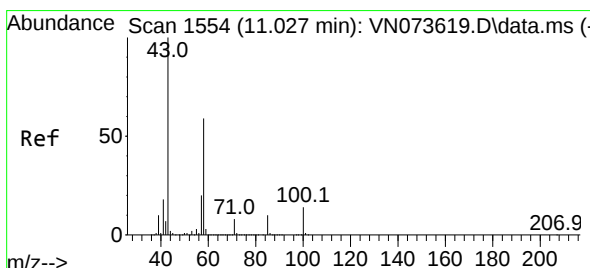
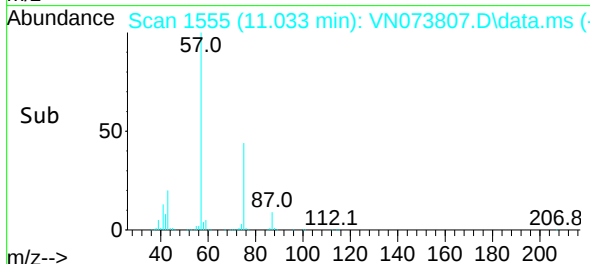
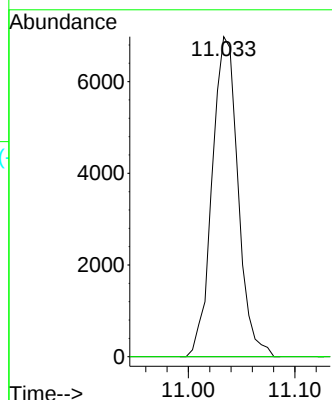
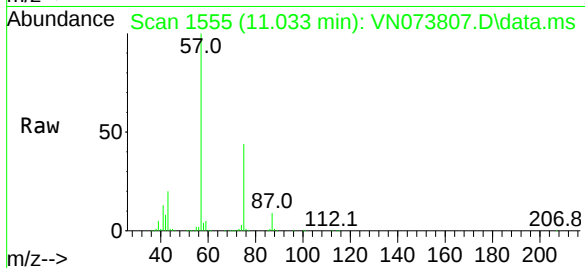
TP1-2-4FT

Tgt Ion: 76 Resp: 11799

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 28.343 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073807.D

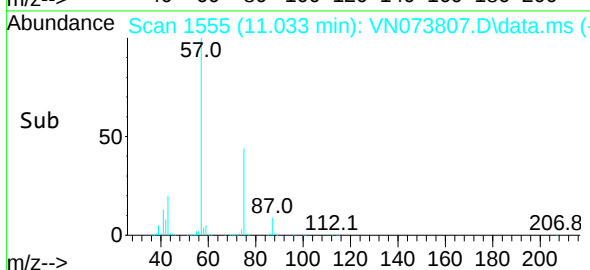
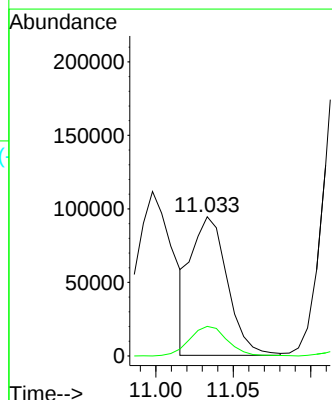
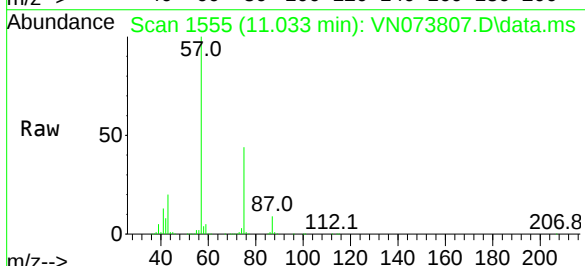
Acq: 10 Aug 2022 19:04

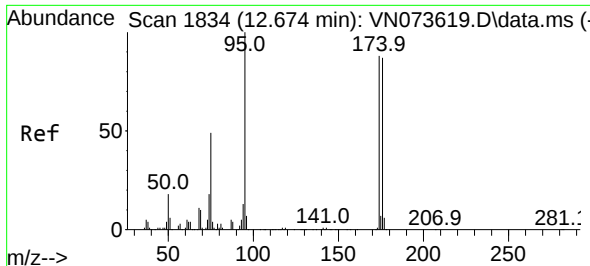
Tgt Ion: 43 Resp: 153316

Ion Ratio Lower Upper

43 100

58 22.5 29.7 89.1#

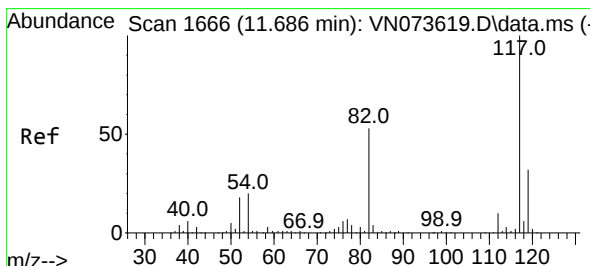
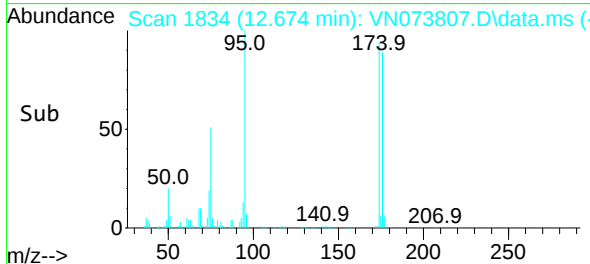
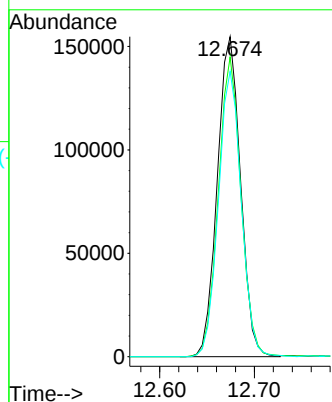
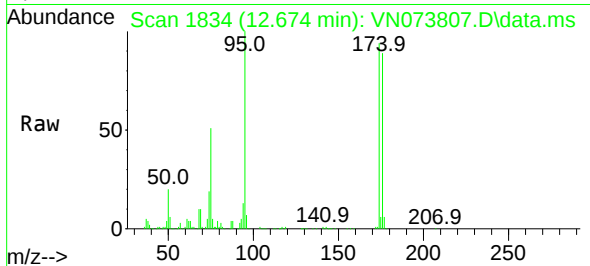




#62
4-Bromofluorobenzene
Concen: 48.680 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

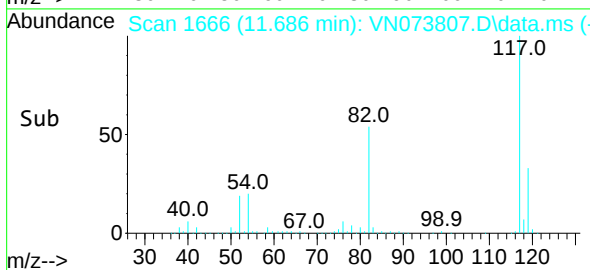
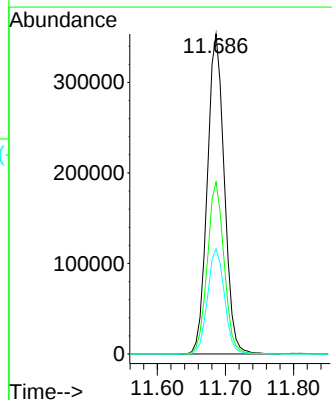
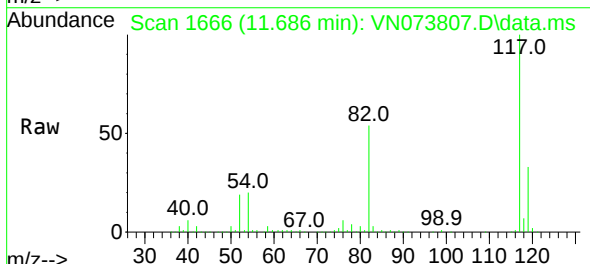
Instrument :
MSVOA_N
ClientSampleId :
TP1-2-4FT

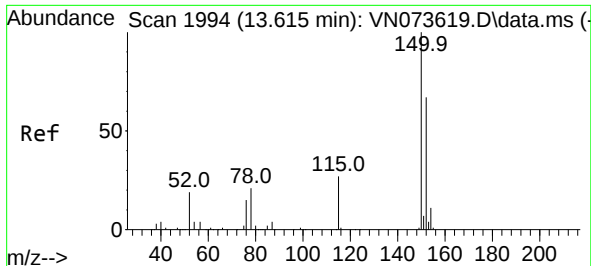
Tgt Ion: 95 Resp: 263629
Ion Ratio Lower Upper
95 100
174 91.2 0.0 167.6
176 87.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073807.D
Acq: 10 Aug 2022 19:04

Tgt Ion: 117 Resp: 612885
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.8 25.4 38.0

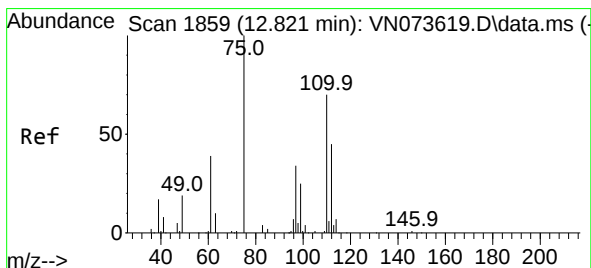
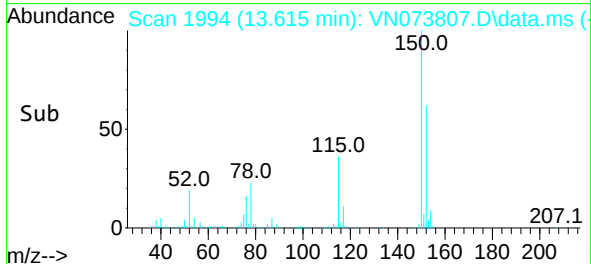
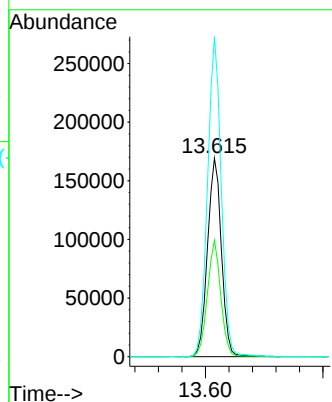
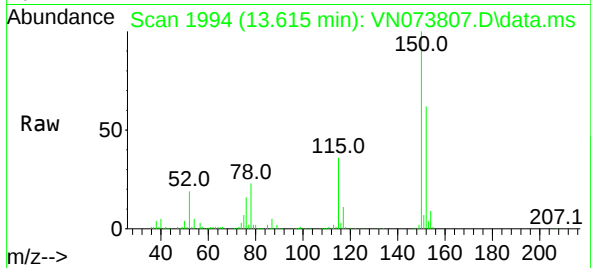




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: VN073807.D
 Acq: 10 Aug 2022 19:04

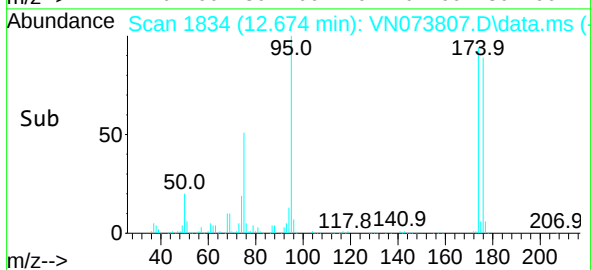
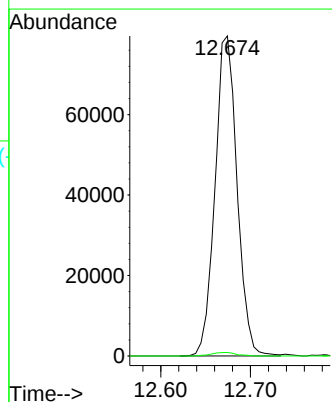
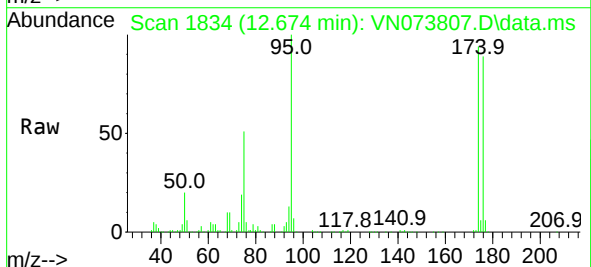
Instrument :
 MSVOA_N
 ClientSampleId :
 TP1-2-4FT

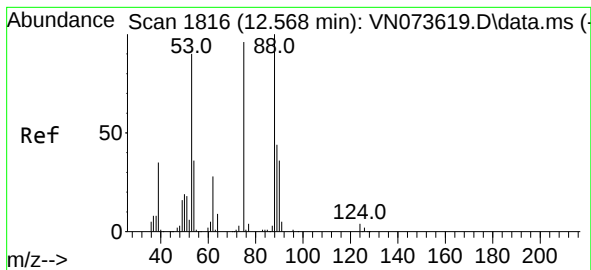
Tgt Ion:152 Resp: 278830
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.9 86.7
 150 158.6 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.957 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073807.D
 Acq: 10 Aug 2022 19:04

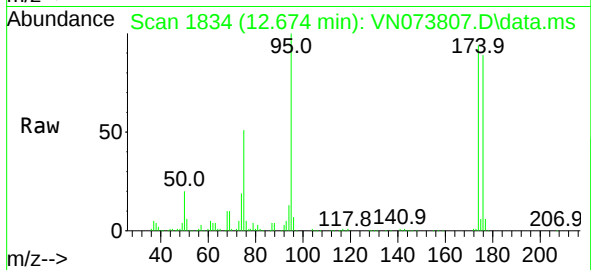
Tgt Ion: 75 Resp: 135727
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.082 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073807.D
 Acq: 10 Aug 2022 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 TP1-2-4FT



Tgt Ion: 75 Resp: 135727
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.0 117.0#
 89 0.1 37.2 55.8#

