

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073805.D
 Acq On : 10 Aug 2022 18:14
 Operator : JC\MD
 Sample : PB146860ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#04

Quant Time: Aug 10 22:55:44 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)

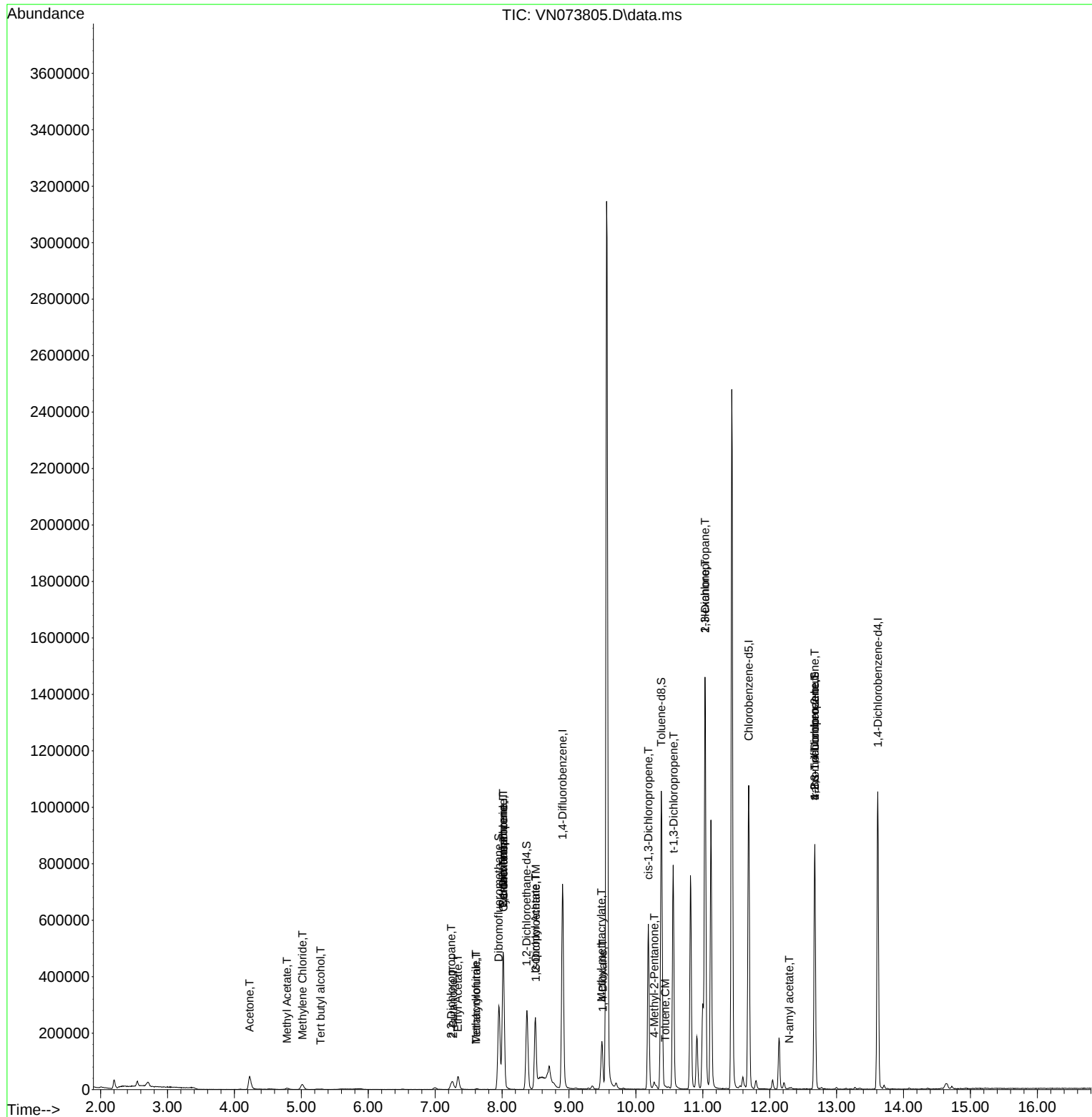
Internal Standards						
1) Pentafluorobenzene	8.016	168	394174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	659592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	649020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	303430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	230703	48.027	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.060%		
35) Dibromofluoromethane	7.951	113	217611	52.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.080%		
50) Toluene-d8	10.380	98	745913	45.766	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.540%		
62) 4-Bromofluorobenzene	12.674	95	277233	48.539	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.080%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	975	Below Cal	#	43
6) Chloroethane	2.993	64	192	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	569	0.549	ug/l #	72
16) Acetone	4.228	43	80766	31.304	ug/l	99
18) Methyl Acetate	4.787	43	10079	1.570	ug/l	96
20) Methylene Chloride	5.016	84	15146	1.490	ug/l	97
25) 2-Butanone	7.269	43	28502	7.113	ug/l	90
26) 2,2-Dichloropropane	7.239	77	1480	0.242	ug/l #	53
29) Tetrahydrofuran	7.616	42	2105	0.831	ug/l #	85
31) Cyclohexane	8.022	56	7159	1.001	ug/l #	11
36) 1,1-Dichloropropene	8.016	75	28178	4.773	ug/l #	50
37) Ethyl Acetate	7.339	43	69203	8.902	ug/l	99
38) Carbon Tetrachloride	8.016	117	35690	5.953	ug/l #	17
41) Methacrylonitrile	7.610	41	709	0.202	ug/l #	30
42) 1,2-Dichloroethane	8.504	62	1778	0.275	ug/l #	74
43) Isopropyl Acetate	8.498	43	287281	27.359	ug/l #	91
48) Methyl methacrylate	9.486	41	10487	2.282	ug/l #	41
49) 1,4-Dioxane	9.504	88	129	0.996	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	23708	3.148	ug/l #	78
52) Toluene	10.439	92	2472	0.211	ug/l	89
53) t-1,3-Dichloropropene	10.563	75	2174	0.345	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	106429	14.979	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	14922	1.801	ug/l #	42
59) 2-Hexanone	11.033	43	202829	35.546	ug/l #	50
74) N-amyl acetate	12.292	43	1731	0.206	ug/l #	48
76) 1,2,3-Trichloropropane	12.674	75	140884	23.646	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	140884	60.171	ug/l #	10

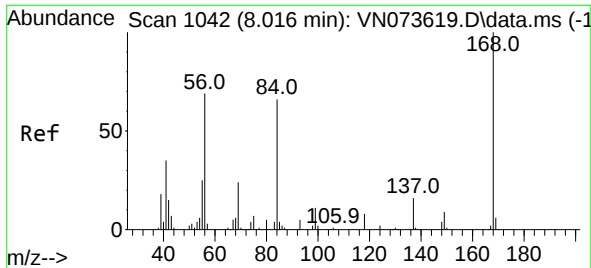
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
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Response via : Initial Calibration

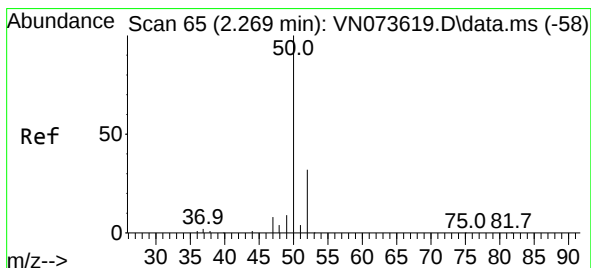
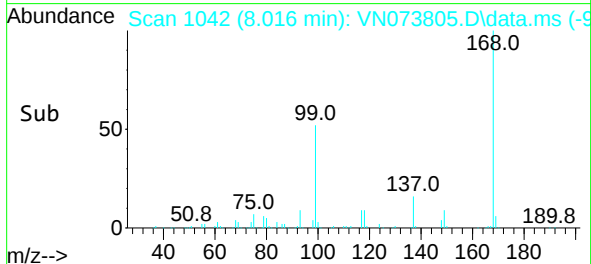
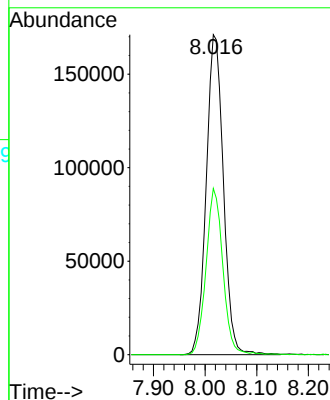
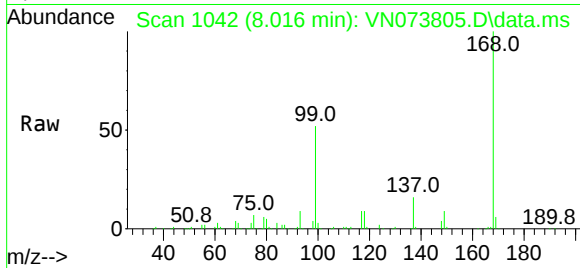




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

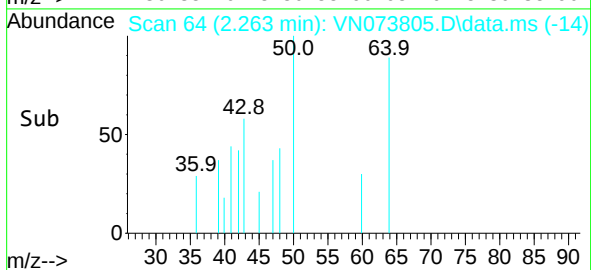
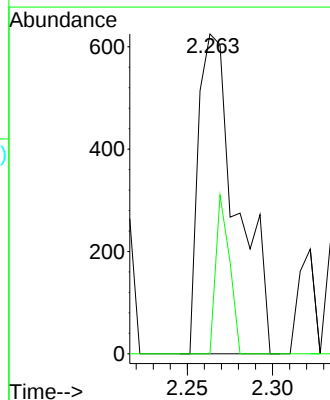
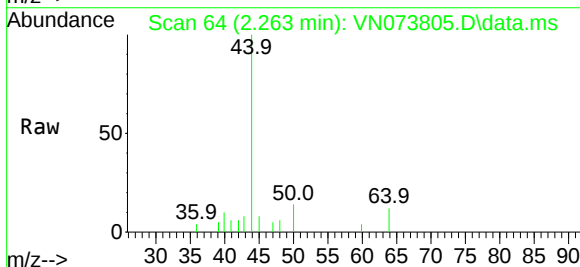
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

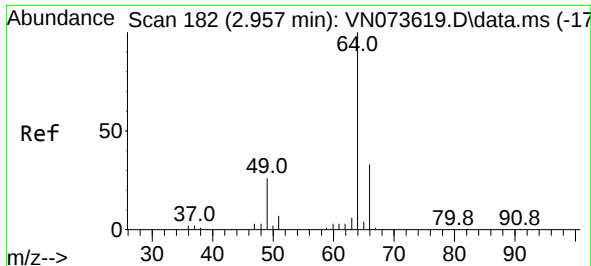
Tgt Ion:168 Resp: 394174
Ion Ratio Lower Upper
168 100
99 52.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 50 Resp: 975
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

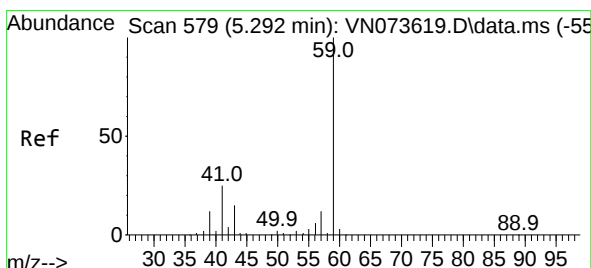
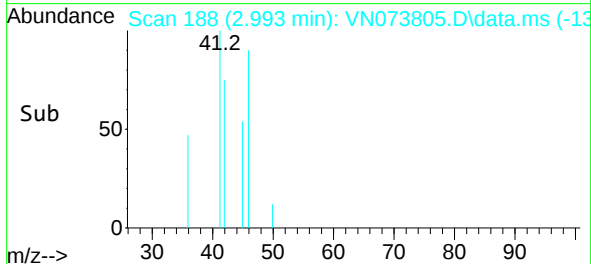
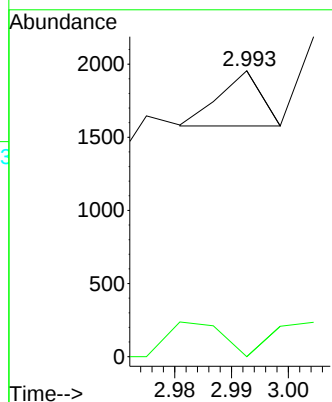
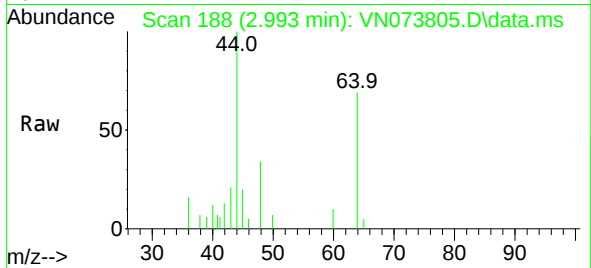




#6
Chloroethane
Concen: Below Cal
RT: 2.993 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

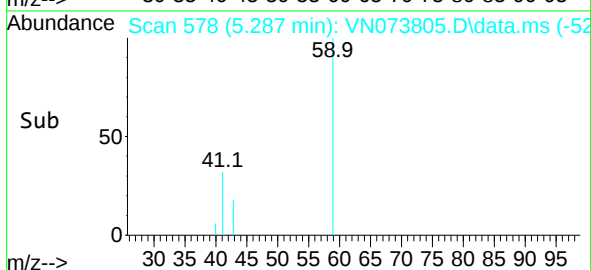
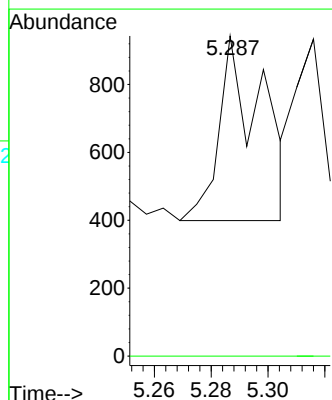
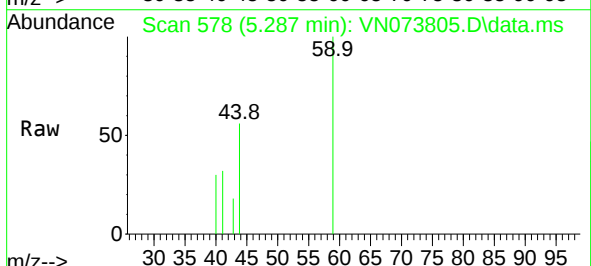
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

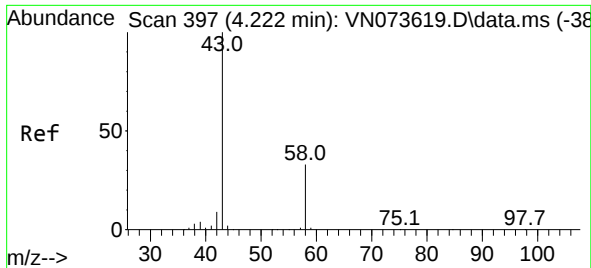
Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.549 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 59 Resp: 569
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 31.304 ug/l

RT: 4.228 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN073805.D

Acq: 10 Aug 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

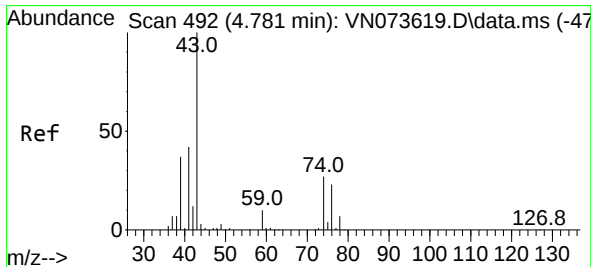
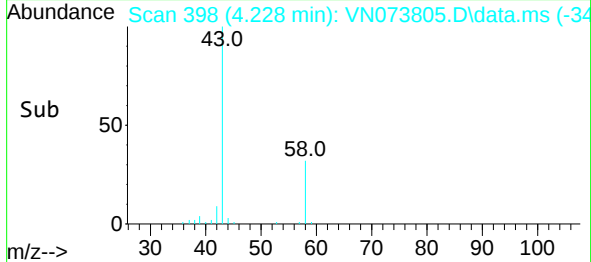
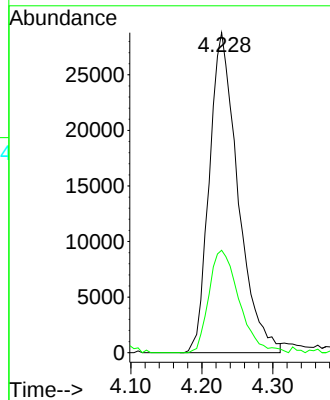
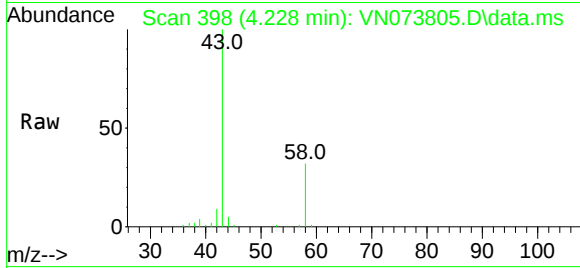
PB146860ZHE#04

Tgt Ion: 43 Resp: 80766

Ion Ratio Lower Upper

43 100

58 32.0 26.0 39.0



#18

Methyl Acetate

Concen: 1.570 ug/l

RT: 4.787 min Scan# 493

Delta R.T. 0.006 min

Lab File: VN073805.D

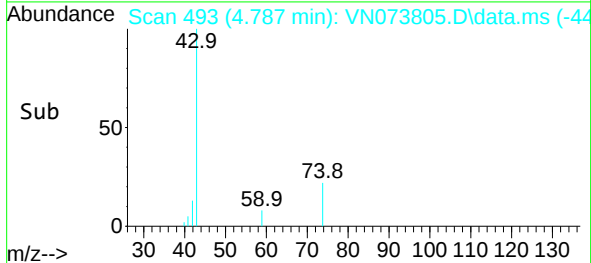
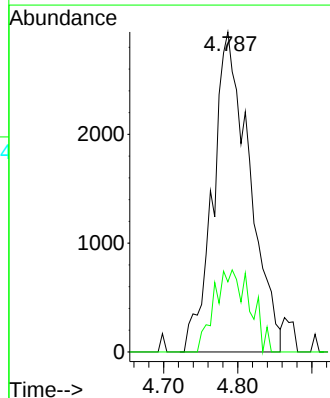
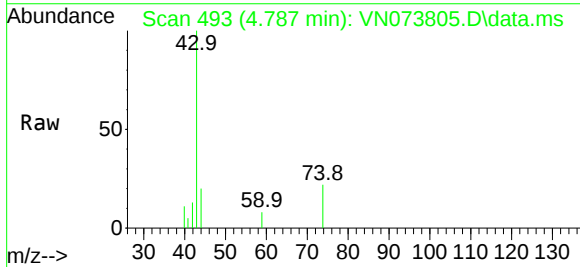
Acq: 10 Aug 2022 18:14

Tgt Ion: 43 Resp: 10079

Ion Ratio Lower Upper

43 100

74 25.1 21.6 32.4

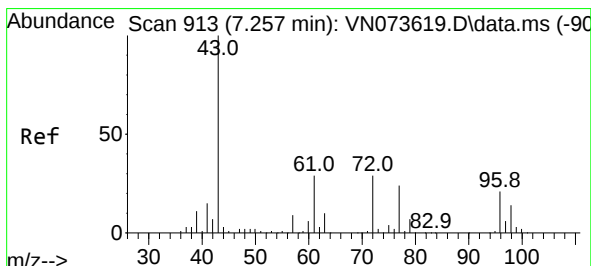
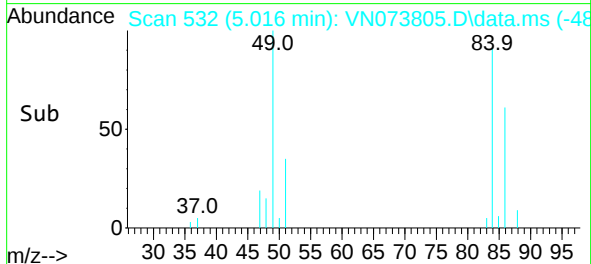
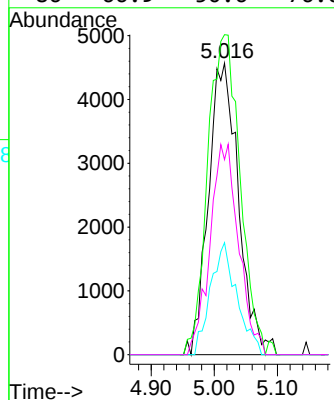
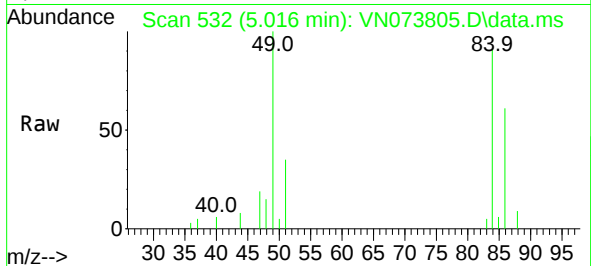




#20
Methylene Chloride
Concen: 1.490 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

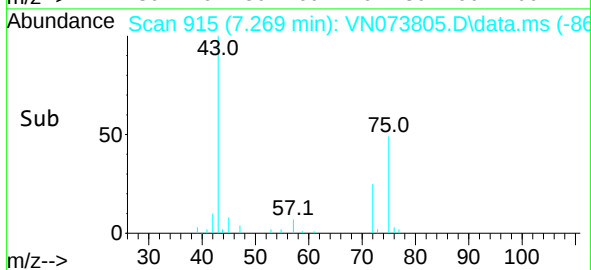
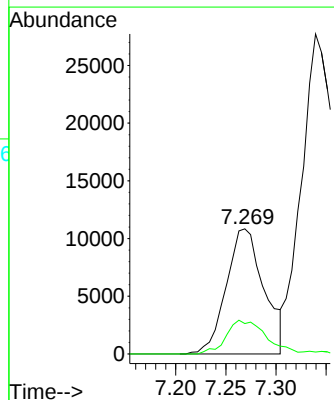
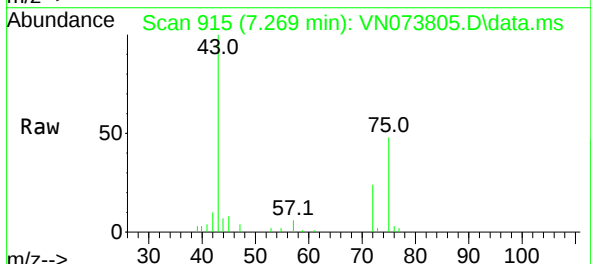
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

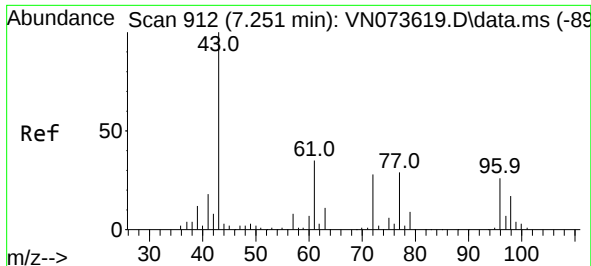
Tgt Ion:	84	Resp:	15146
Ion	Ratio	Lower	Upper
84	100		
49	109.7	88.3	132.5
51	38.4	28.2	42.2
86	66.9	50.6	76.0



#25
2-Butanone
Concen: 7.113 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion:	43	Resp:	28502
Ion	Ratio	Lower	Upper
43	100		
72	24.3	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.242 ug/l

RT: 7.239 min Scan# 912

Delta R.T. -0.012 min

Lab File: VN073805.D

Acq: 10 Aug 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

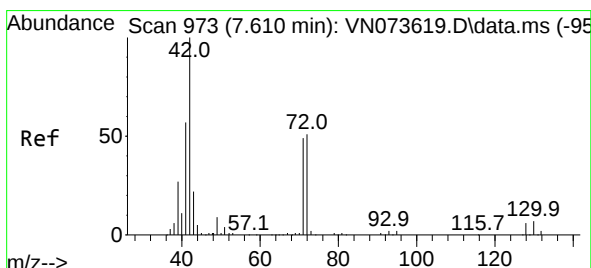
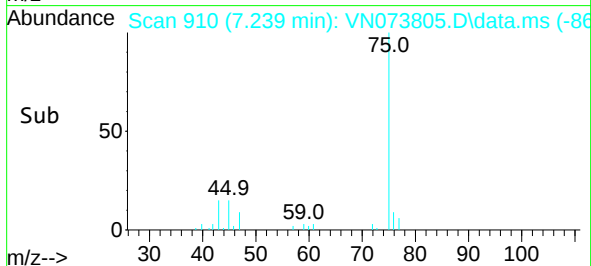
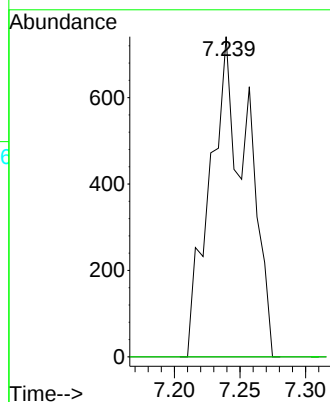
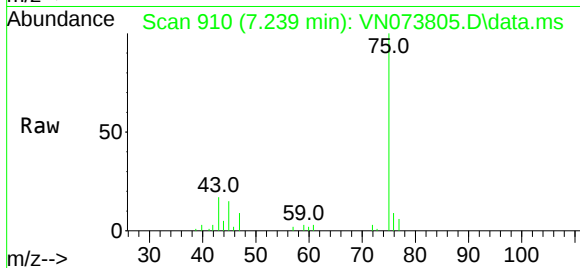
PB146860ZHE#04

Tgt Ion: 77 Resp: 1480

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.831 ug/l

RT: 7.616 min Scan# 974

Delta R.T. 0.006 min

Lab File: VN073805.D

Acq: 10 Aug 2022 18:14

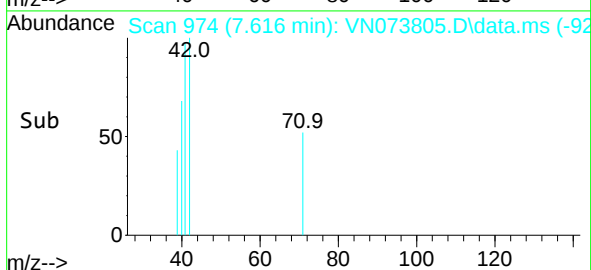
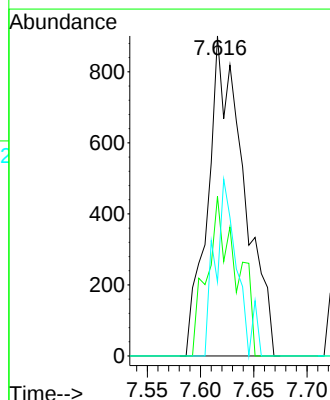
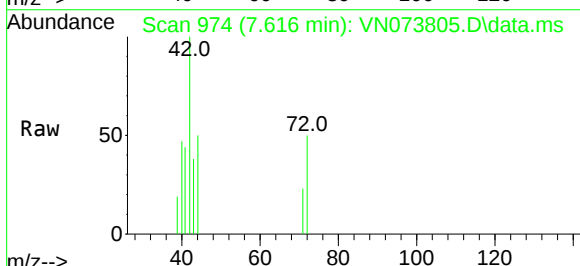
Tgt Ion: 42 Resp: 2105

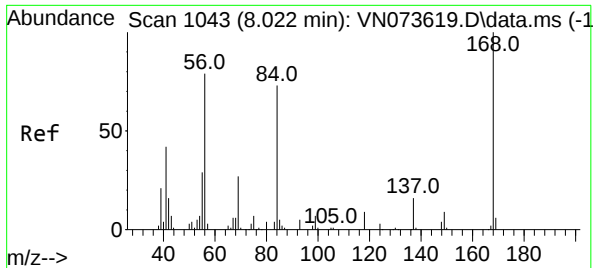
Ion Ratio Lower Upper

42 100

72 41.2 39.7 59.5

71 33.8 36.6 55.0#

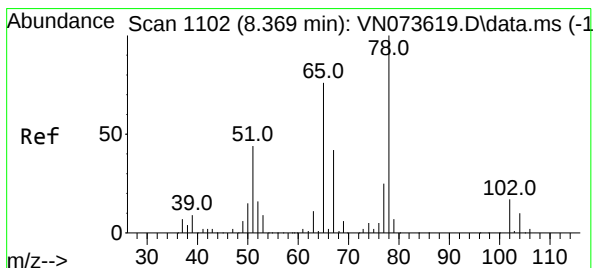
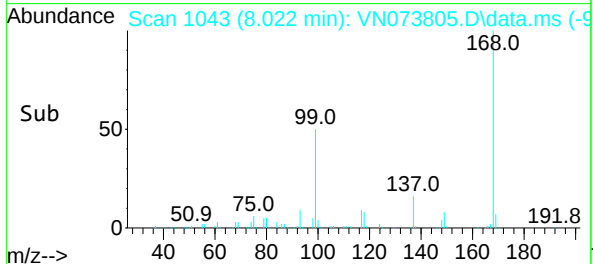
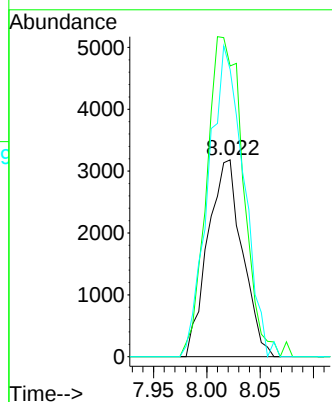
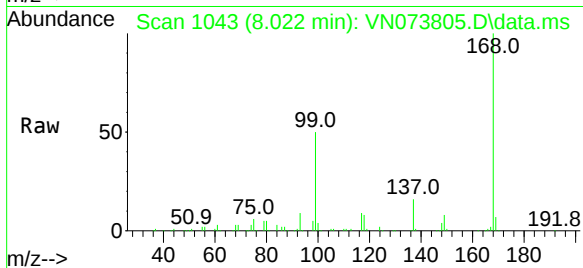




#31
Cyclohexane
Concen: 1.001 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

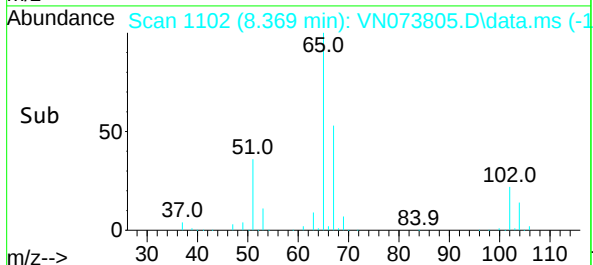
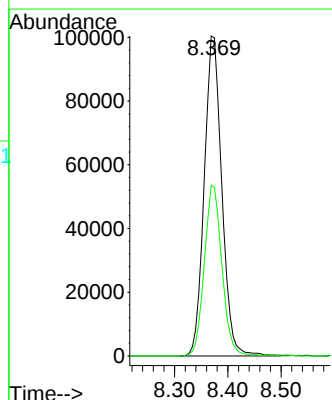
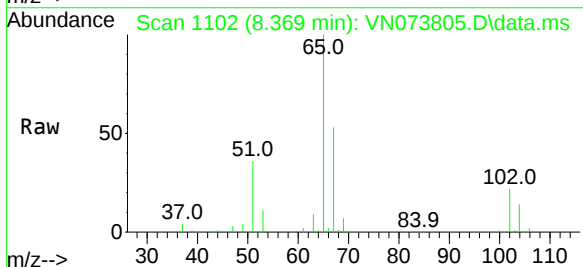
Instrument :
MSVOA_N
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PB146860ZHE#04

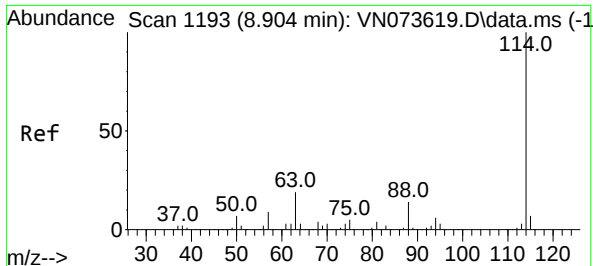
Tgt Ion: 56 Resp: 7159
Ion Ratio Lower Upper
56 100
69 147.7 27.8 41.8#
84 146.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.027 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 65 Resp: 230703
Ion Ratio Lower Upper
65 100
67 53.4 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: VN073805.D

Acq: 10 Aug 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB146860ZHE#04

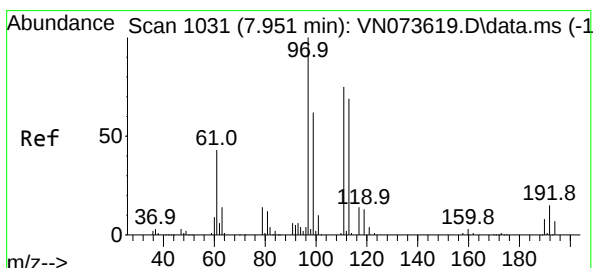
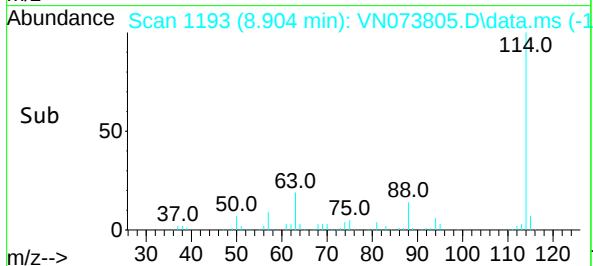
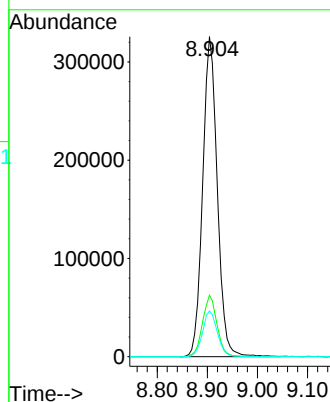
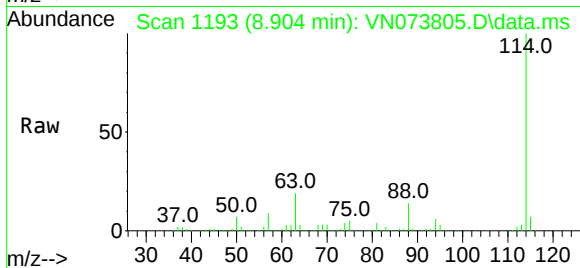
Tgt Ion:114 Resp: 659592

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.540 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073805.D

Acq: 10 Aug 2022 18:14

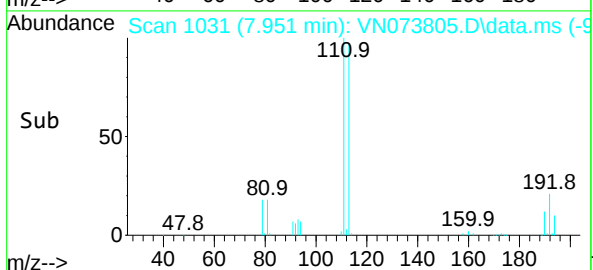
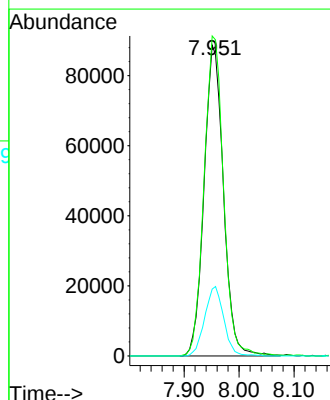
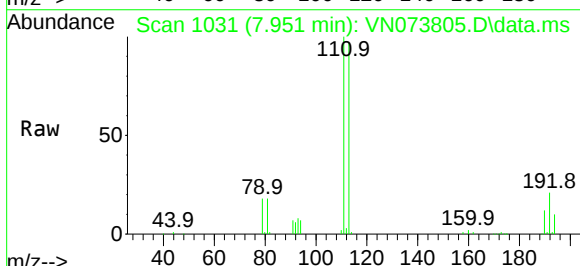
Tgt Ion:113 Resp: 217611

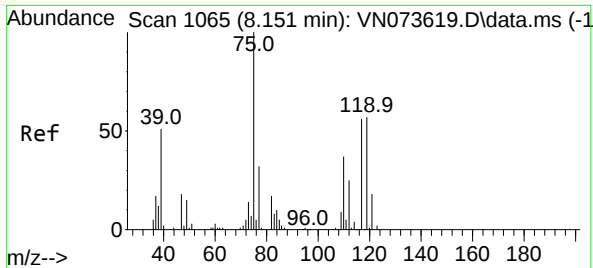
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 21.9 17.0 25.6

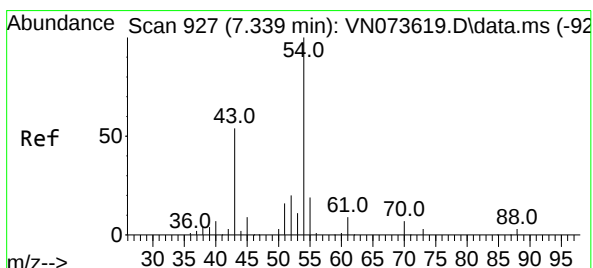
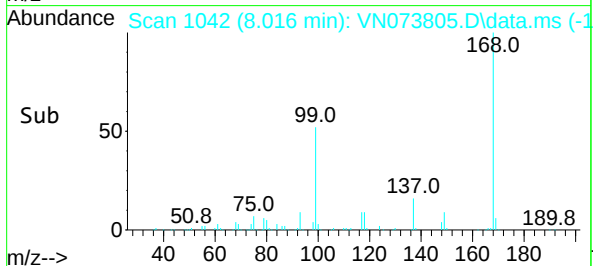
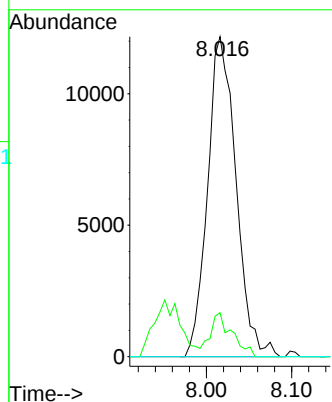
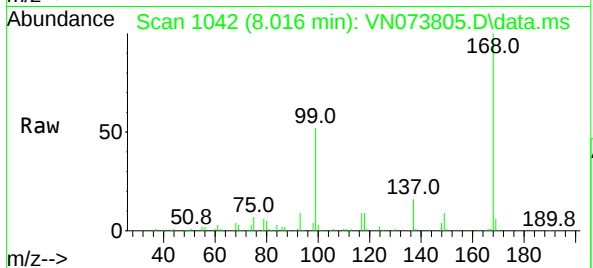




#36
1,1-Dichloropropene
Concen: 4.773 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

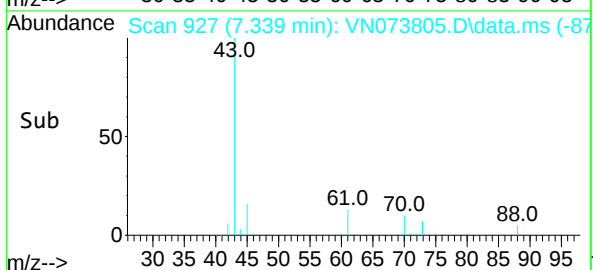
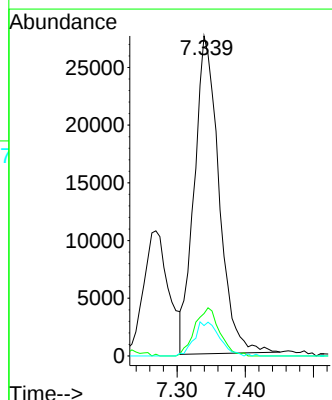
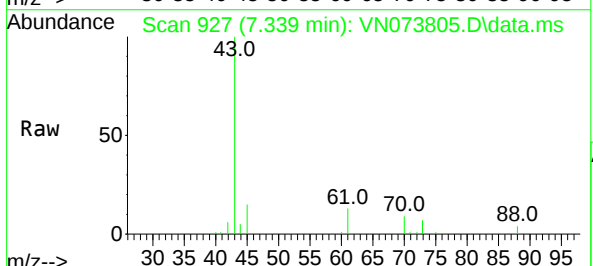
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

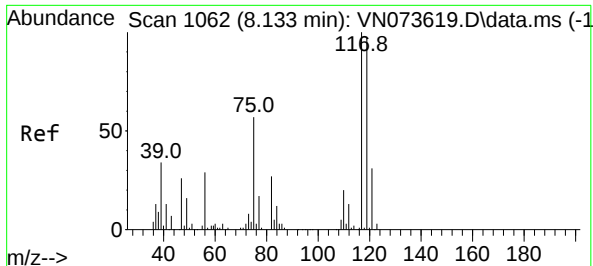
Tgt Ion: 75 Resp: 28178
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.902 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 43 Resp: 69203
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 10.9 9.3 13.9

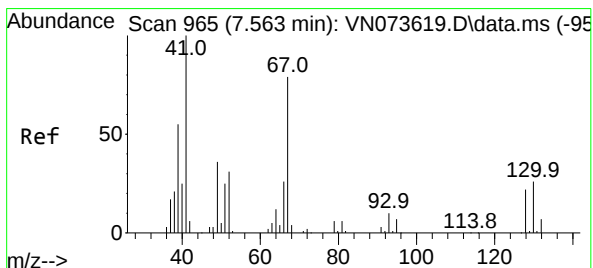
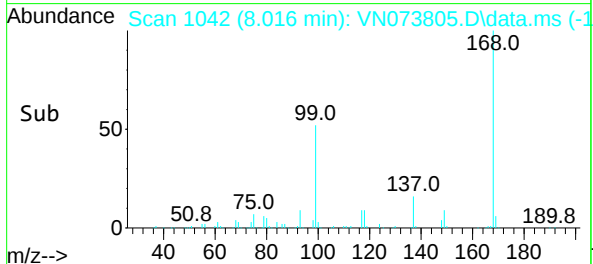
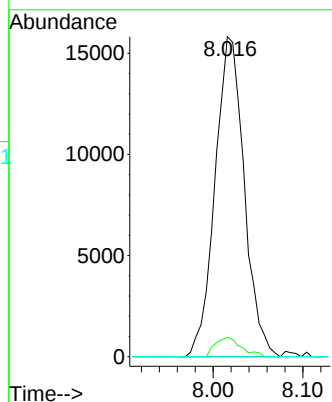
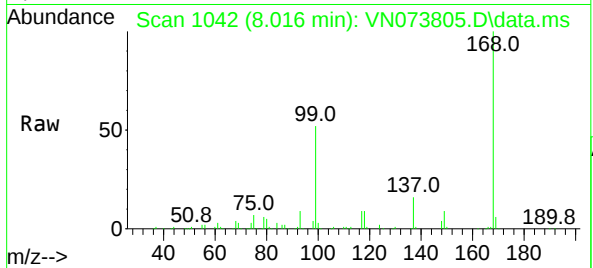




#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

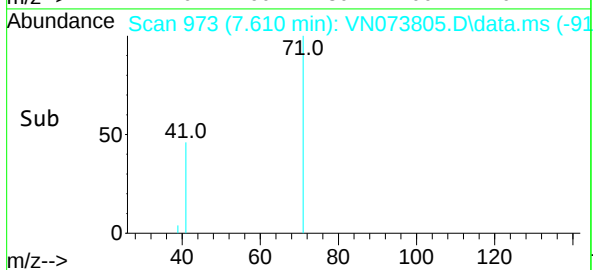
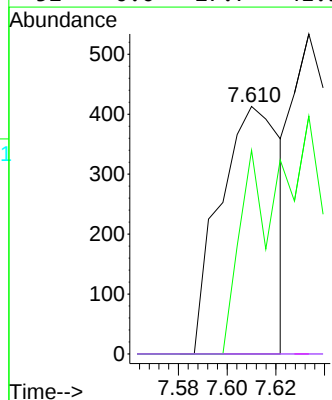
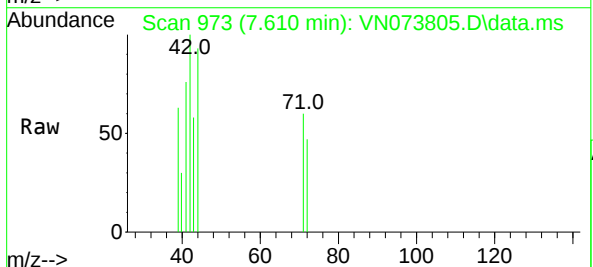
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

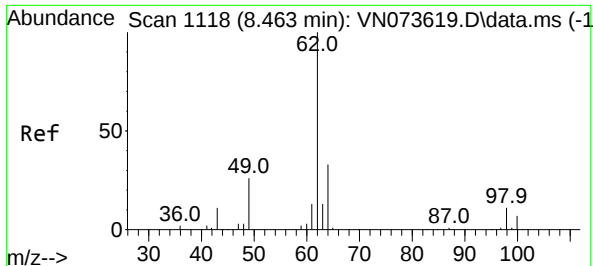
Tgt Ion:117 Resp: 35690
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.202 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.047 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 41 Resp: 709
Ion Ratio Lower Upper
41 100
39 34.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.275 ug/l

RT: 8.504 min Scan# 1118

Delta R.T. 0.041 min

Lab File: VN073805.D

Acq: 10 Aug 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

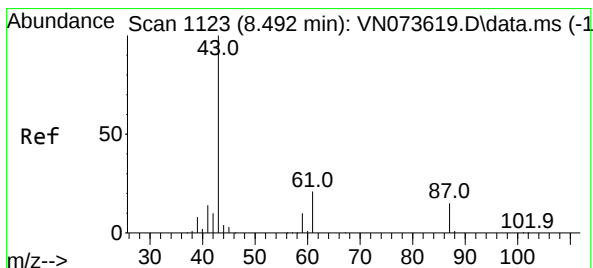
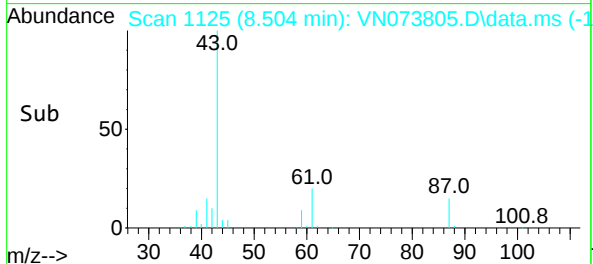
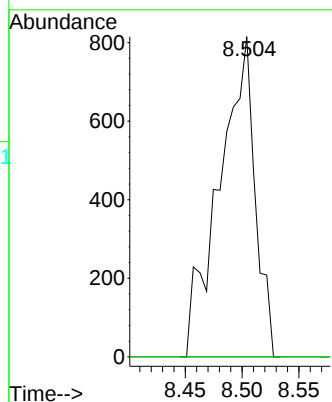
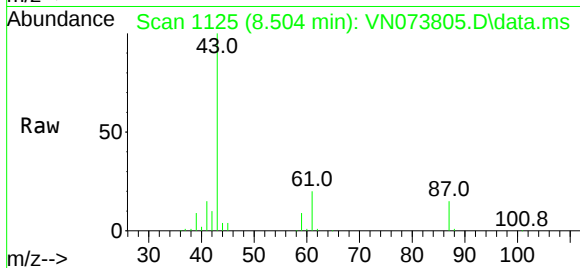
PB146860ZHE#04

Tgt Ion: 62 Resp: 1778

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 27.359 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073805.D

Acq: 10 Aug 2022 18:14

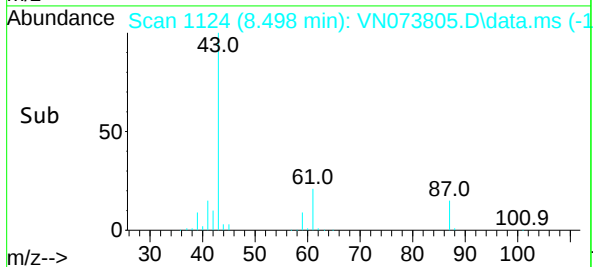
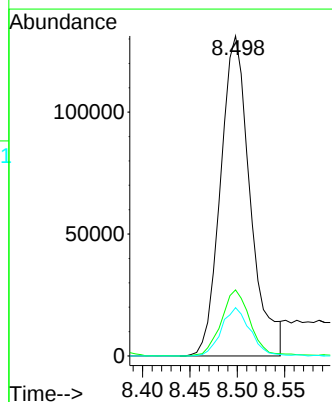
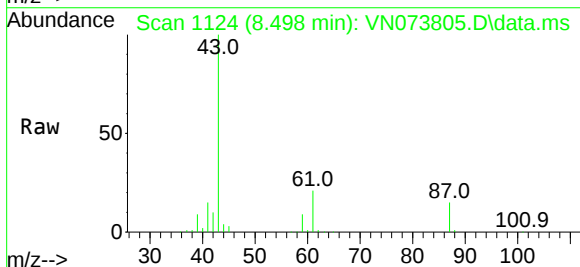
Tgt Ion: 43 Resp: 287281

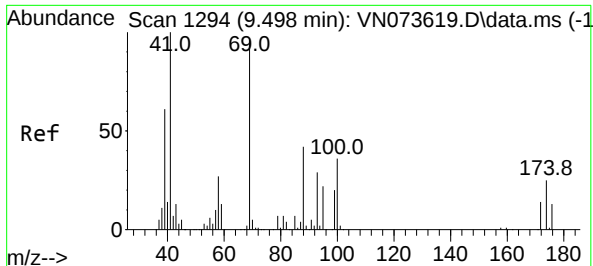
Ion Ratio Lower Upper

43 100

61 20.2 21.9 32.9

87 14.5 12.0 18.0

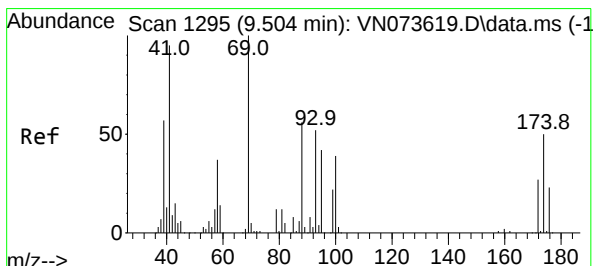
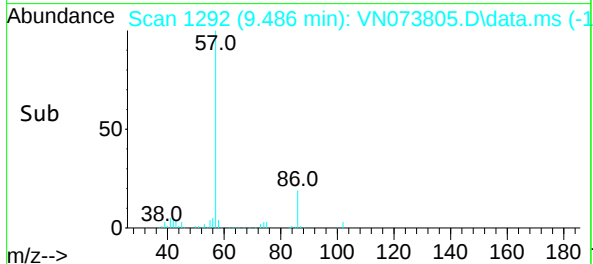
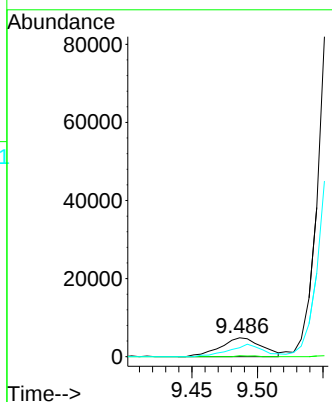
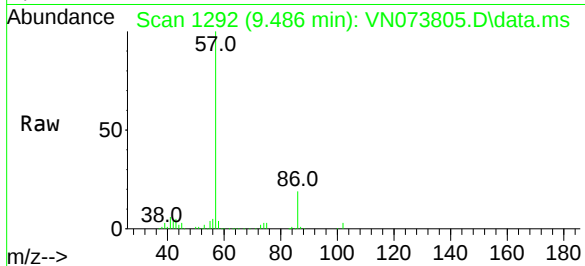




#48
Methyl methacrylate
Concen: 2.282 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

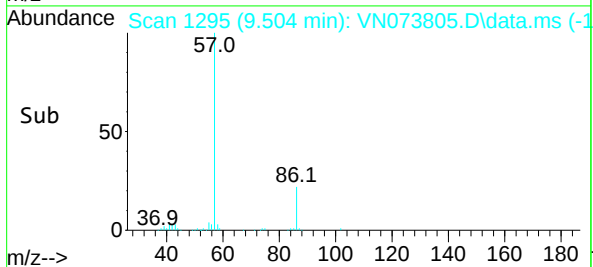
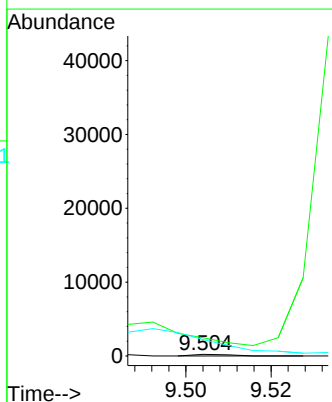
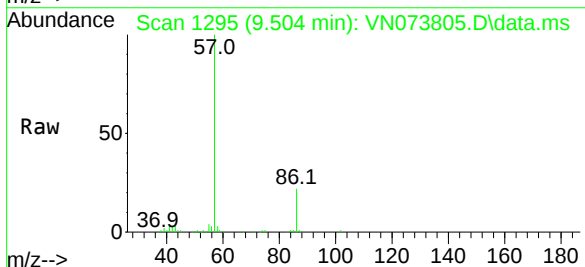
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

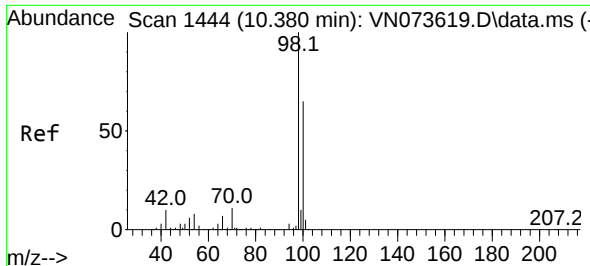
Tgt Ion: 41 Resp: 10487
Ion Ratio Lower Upper
41 100
69 2.1 74.7 112.1#
39 56.2 45.6 68.4



#49
1,4-Dioxane
Concen: 0.996 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

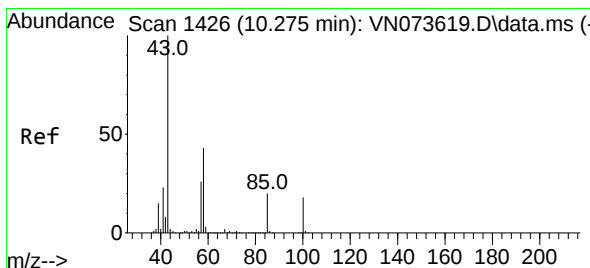
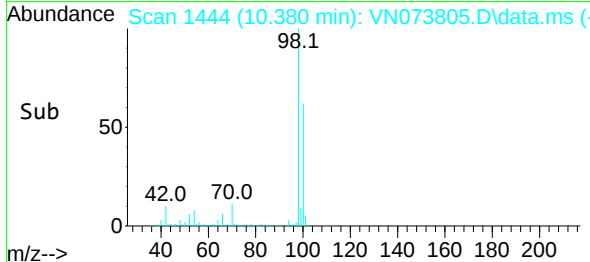
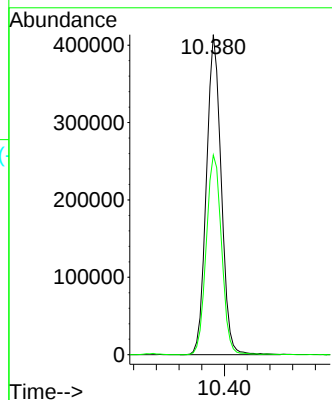
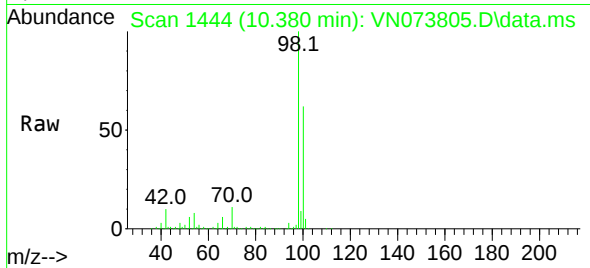




#50
Toluene-d8
Concen: 45.766 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

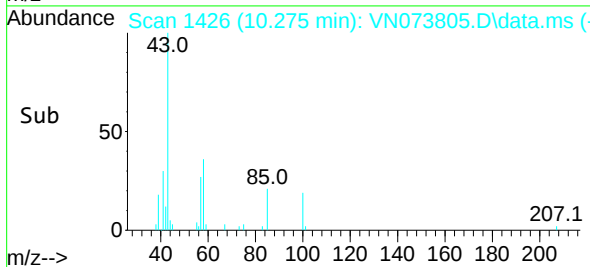
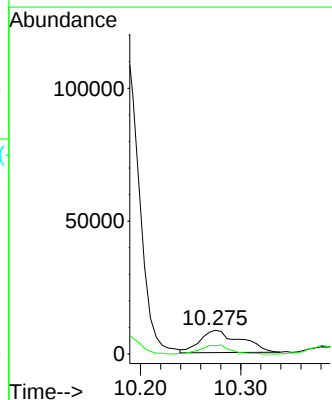
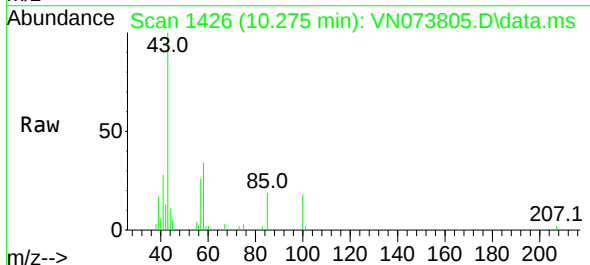
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

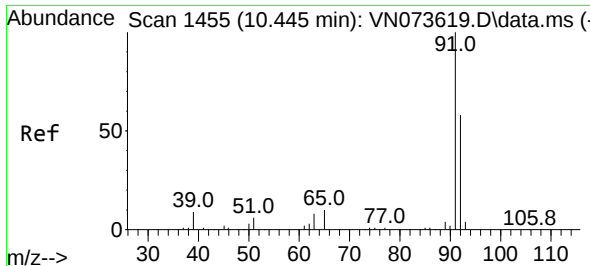
Tgt Ion: 98 Resp: 745913
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.148 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 43 Resp: 23708
Ion Ratio Lower Upper
43 100
58 28.7 34.1 51.1#

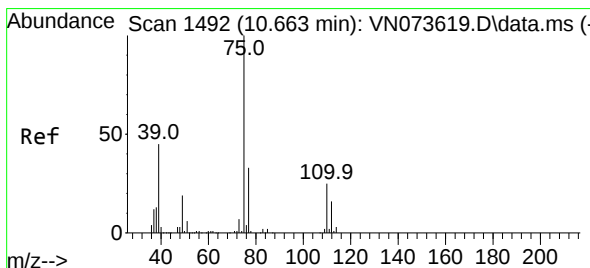
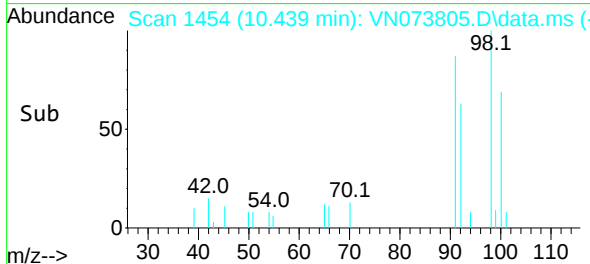
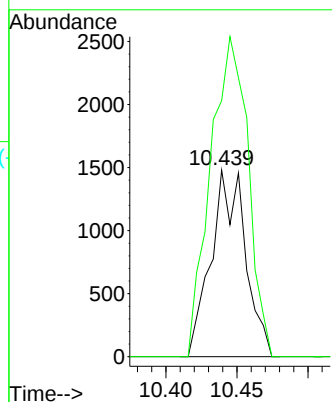
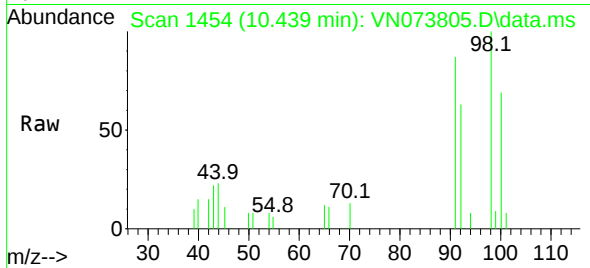




#52
Toluene
Concen: 0.211 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.006 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

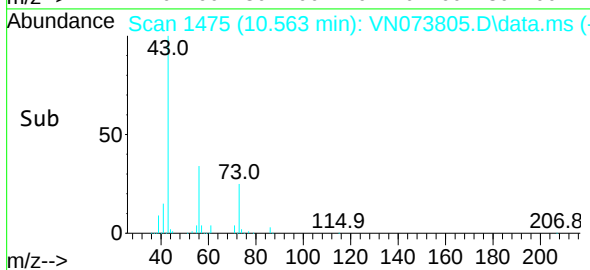
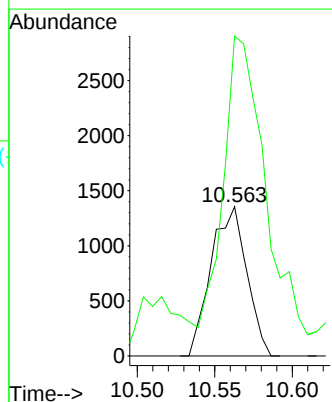
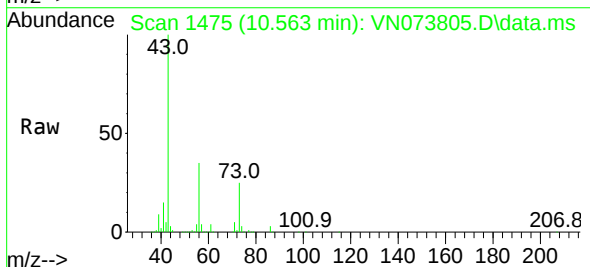
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

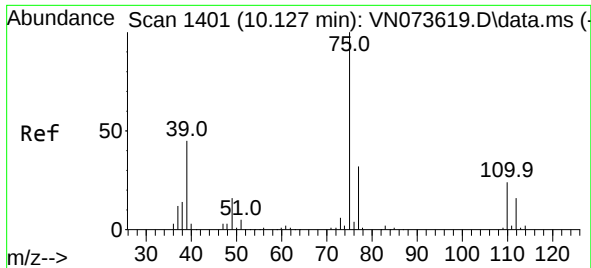
Tgt Ion: 92 Resp: 2472
Ion Ratio Lower Upper
92 100
91 189.1 138.6 207.8



#53
t-1,3-Dichloropropene
Concen: 0.345 ug/l
RT: 10.563 min Scan# 1475
Delta R.T. -0.100 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 75 Resp: 2174
Ion Ratio Lower Upper
75 100
77 187.1 25.6 38.4#

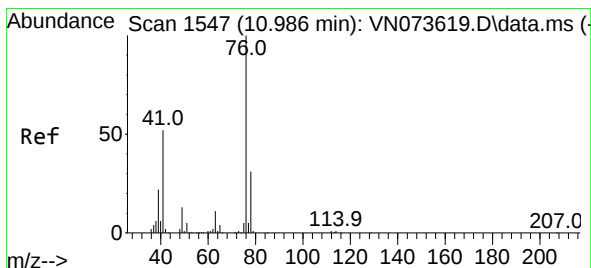
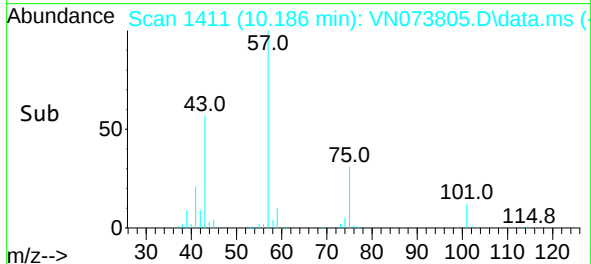
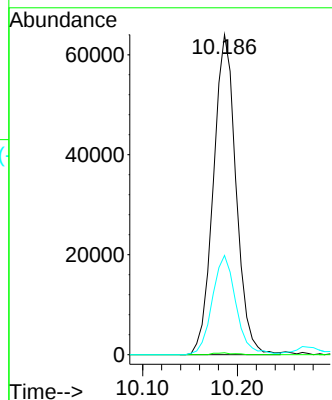
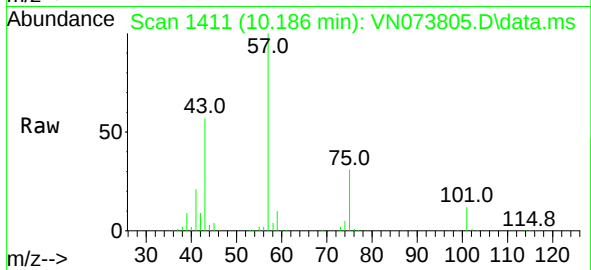




#54
 cis-1,3-Dichloropropene
 Concen: 14.979 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073805.D
 Acq: 10 Aug 2022 18:14

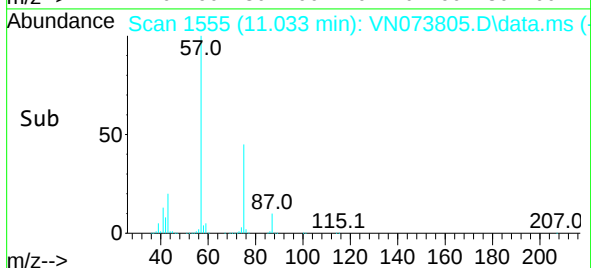
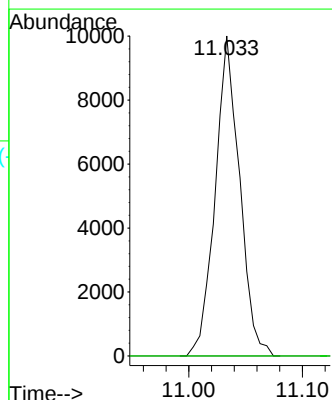
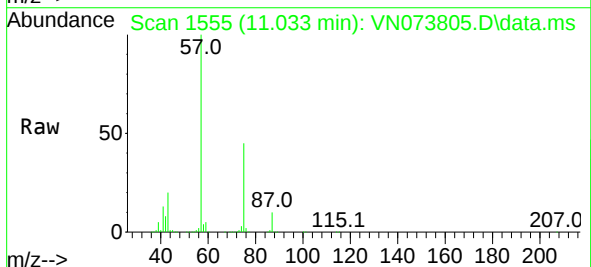
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#04

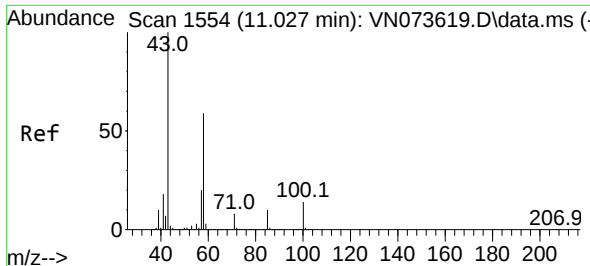
Tgt Ion: 75 Resp: 106429
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 31.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.801 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073805.D
 Acq: 10 Aug 2022 18:14

Tgt Ion: 76 Resp: 14922
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

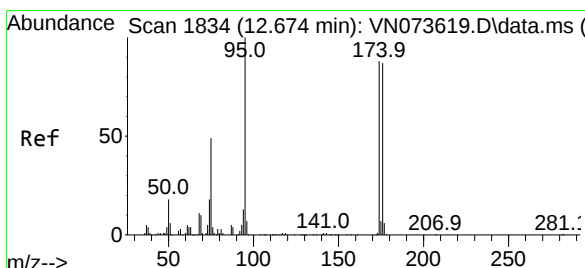
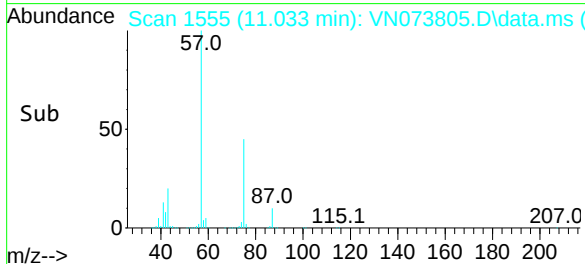
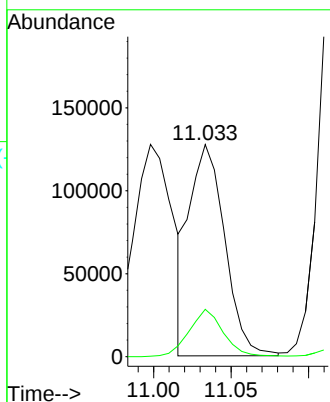
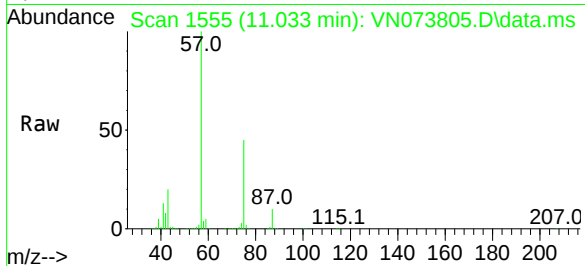




#59
2-Hexanone
Concen: 35.546 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

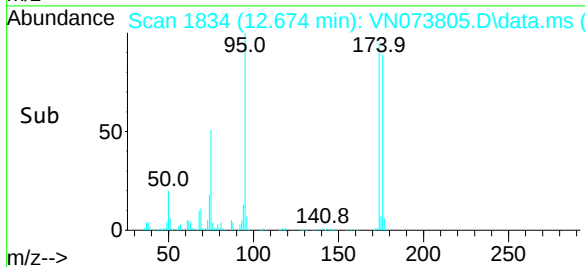
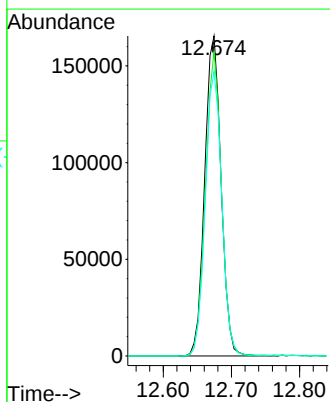
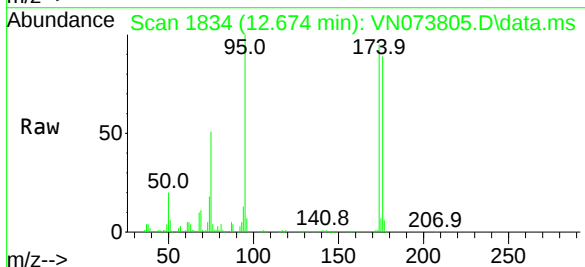
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

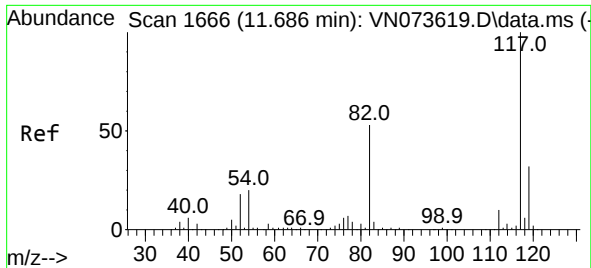
Tgt Ion: 43 Resp: 202829
Ion Ratio Lower Upper
43 100
58 21.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 48.539 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion: 95 Resp: 277233
Ion Ratio Lower Upper
95 100
174 93.0 0.0 167.6
176 89.1 0.0 163.4

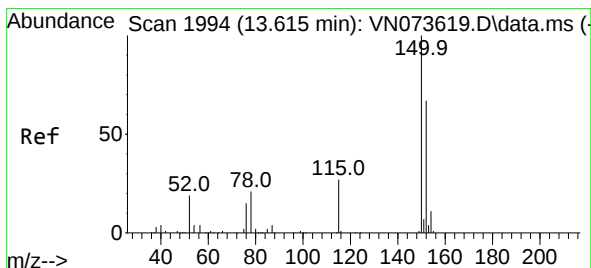
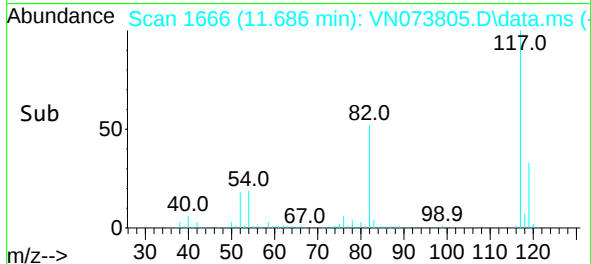
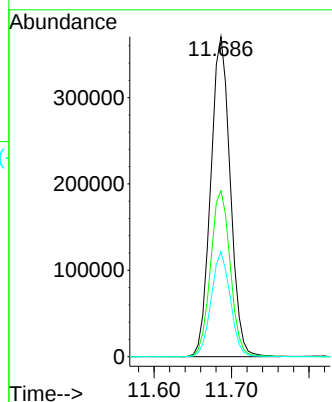
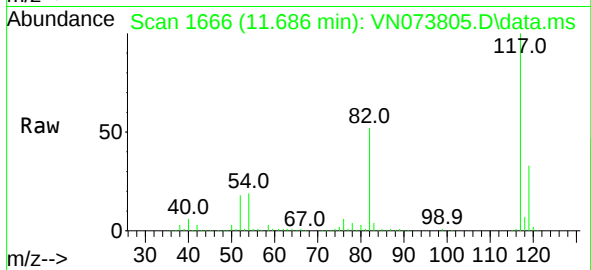




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

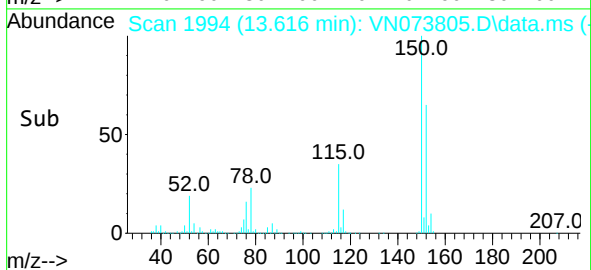
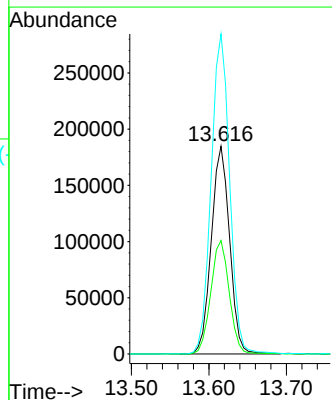
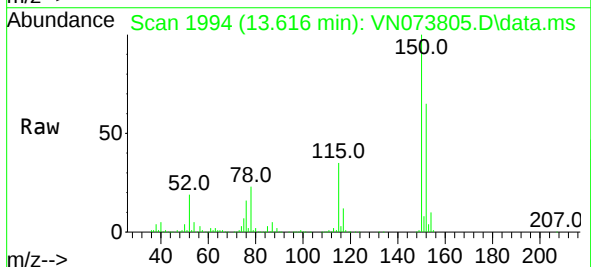
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

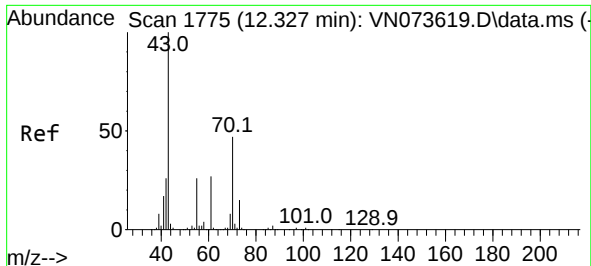
Tgt Ion:117 Resp: 649020
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

Tgt Ion:152 Resp: 303430
Ion Ratio Lower Upper
152 100
115 55.0 28.9 86.7
150 155.5 0.0 356.2

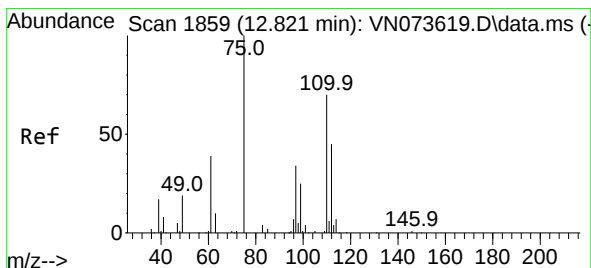
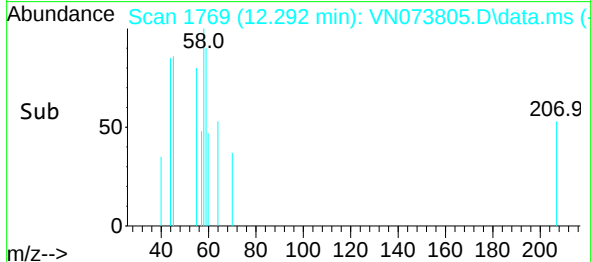
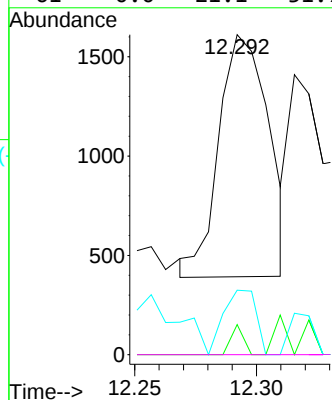
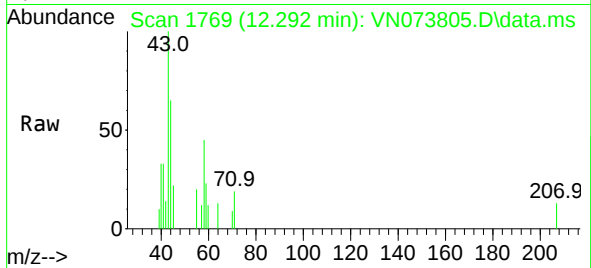




#74
N-amy1 acetate
Concen: 0.206 ug/l
RT: 12.292 min Scan# 1731
Delta R.T. -0.035 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

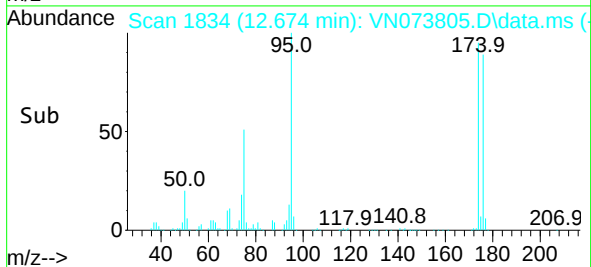
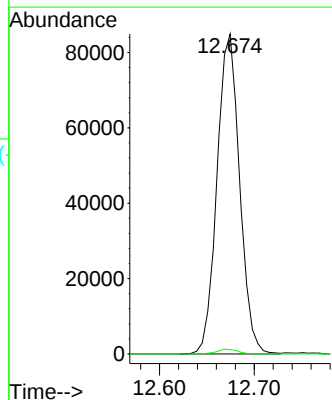
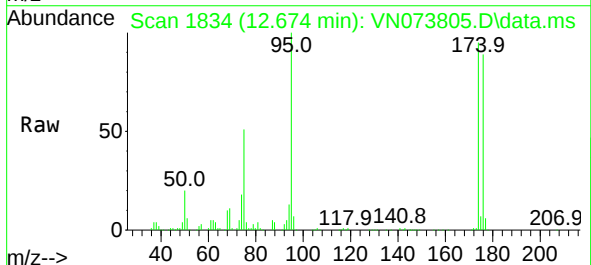
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#04

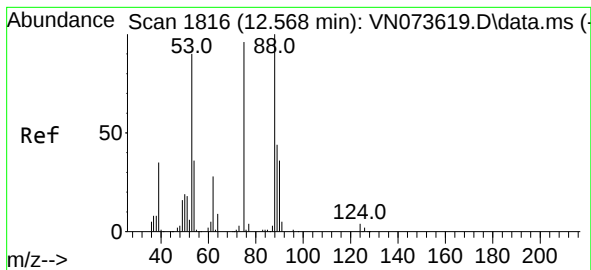
Tgt Ion: 43	Resp: 1731
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 17.4	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.646 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073805.D
Acq: 10 Aug 2022 18:14

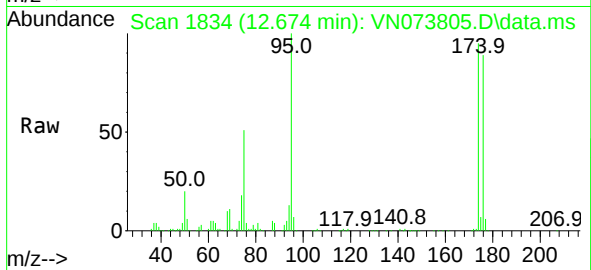
Tgt Ion: 75	Resp: 140884
Ion Ratio	Lower Upper
75 100	
77 1.4	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.171 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073805.D
 Acq: 10 Aug 2022 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#04



Tgt Ion: 75 Resp: 140884
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

