

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073802.D
 Acq On : 10 Aug 2022 17:00
 Operator : JC\MD
 Sample : PB146860ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#01

Quant Time: Aug 10 22:55:12 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)

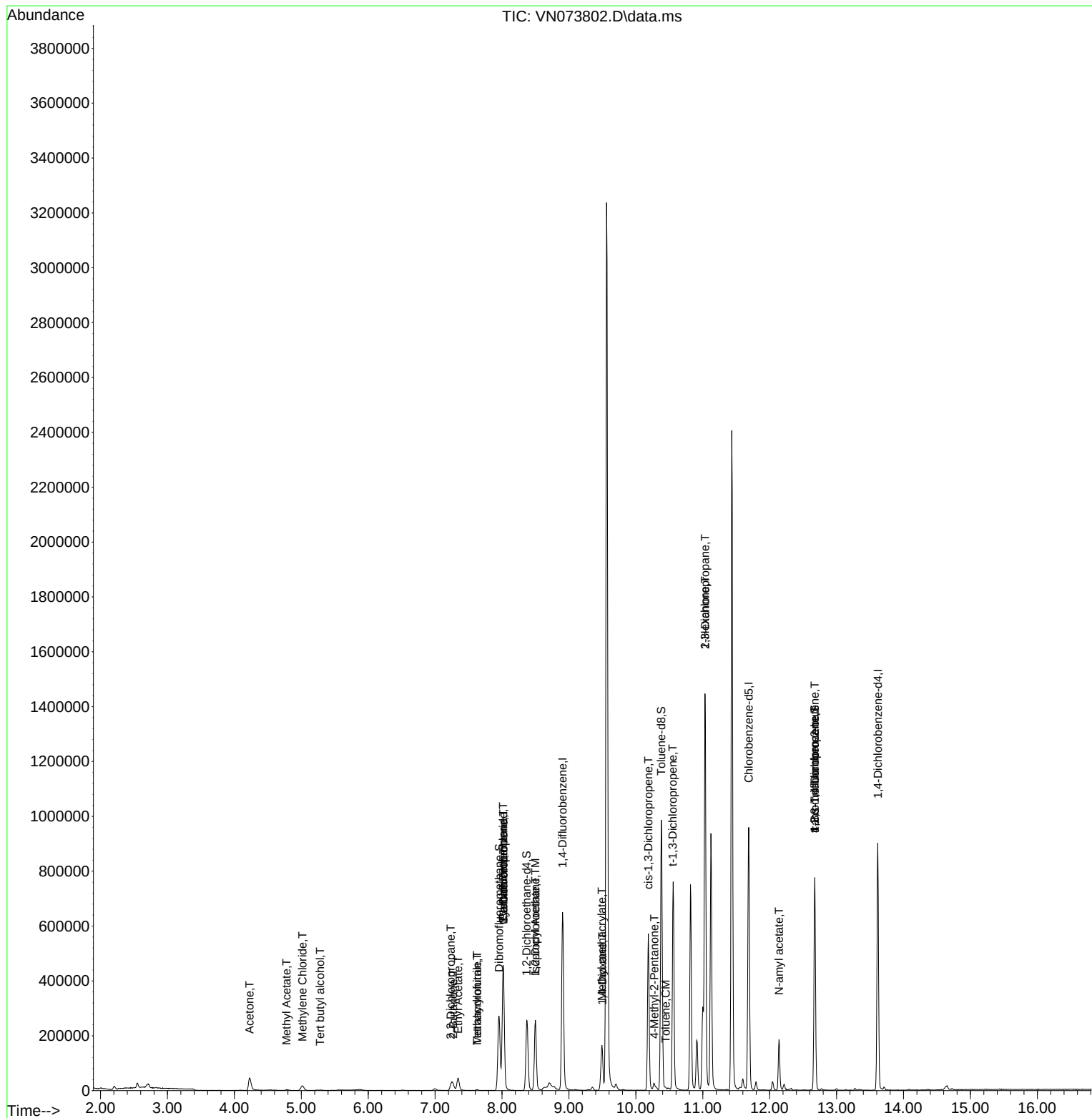
Internal Standards						
1) Pentafluorobenzene	8.016	168	370093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	604646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	583621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	251743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	214008	47.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.900%		
35) Dibromofluoromethane	7.957	113	209403	55.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.300%		
50) Toluene-d8	10.381	98	695414	46.544	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.080%		
62) 4-Bromofluorobenzene	12.674	95	248637	47.548	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	649	Below Cal	#	29
6) Chloroethane	2.928	64	1425	Below Cal	#	75
11) Tert butyl alcohol	5.281	59	2824	2.903	ug/l #	78
16) Acetone	4.228	43	84940	35.064	ug/l	99
18) Methyl Acetate	4.781	43	5637	0.935	ug/l #	65
20) Methylene Chloride	5.016	84	14904	1.673	ug/l	96
25) 2-Butanone	7.269	43	28604	7.603	ug/l	95
26) 2,2-Dichloropropane	7.234	77	1744	0.304	ug/l #	53
29) Tetrahydrofuran	7.628	42	2214	0.931	ug/l #	76
31) Cyclohexane	8.022	56	7057	1.051	ug/l #	15
36) 1,1-Dichloropropene	8.022	75	26713	4.936	ug/l #	49
37) Ethyl Acetate	7.345	43	68790	9.653	ug/l	100
38) Carbon Tetrachloride	8.016	117	35180	6.401	ug/l #	17
41) Methacrylonitrile	7.628	41	1459	0.452	ug/l #	33
42) 1,2-Dichloroethane	8.498	62	1784	0.301	ug/l #	74
43) Isopropyl Acetate	8.498	43	279872	29.075	ug/l #	91
48) Methyl methacrylate	9.492	41	10525	2.498	ug/l #	41
49) 1,4-Dioxane	9.498	88	59	0.497	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	23478	3.401	ug/l #	78
52) Toluene	10.445	92	2510	0.234	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	2322	0.402	ug/l #	77
54) cis-1,3-Dichloropropene	10.186	75	105213	16.153	ug/l #	66
57) 1,3-Dichloropropane	11.033	76	15552	2.048	ug/l #	42
59) 2-Hexanone	11.033	43	204073	39.014	ug/l #	50
74) N-amyl acetate	12.139	43	52877	7.594	ug/l #	50
76) 1,2,3-Trichloropropane	12.674	75	126537	25.883	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	126537	65.139	ug/l #	10

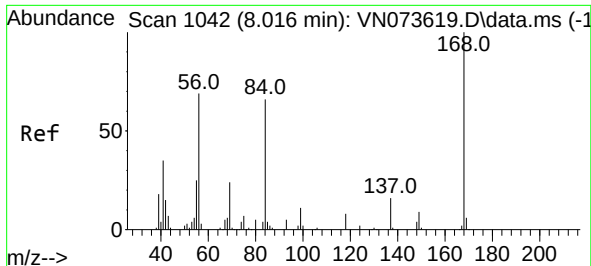
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
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Sample : PB146860ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

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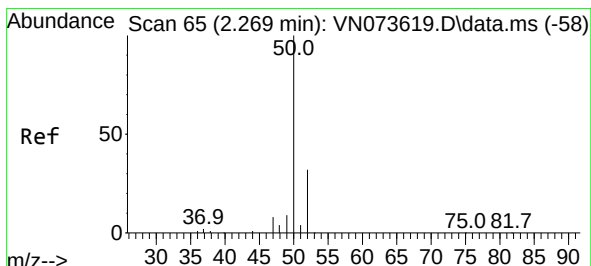
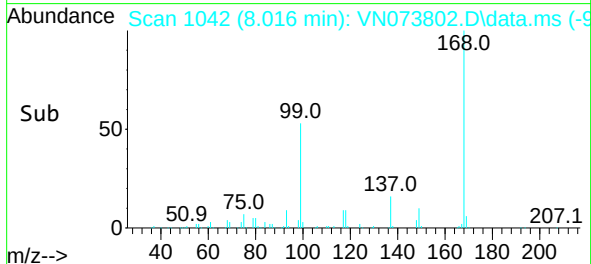
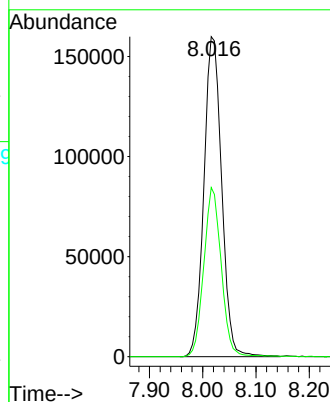
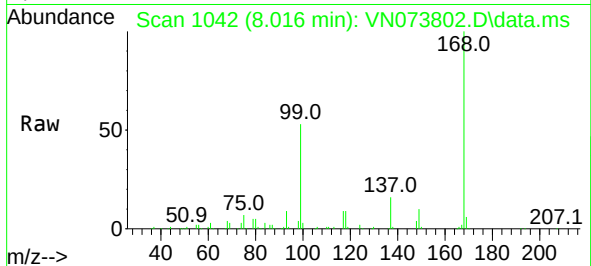




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

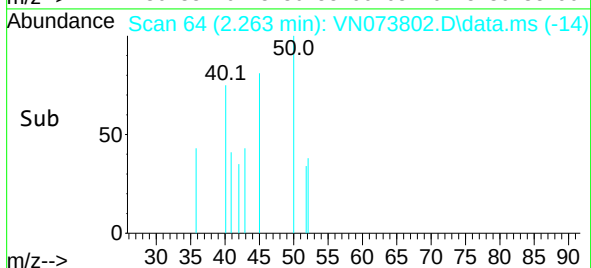
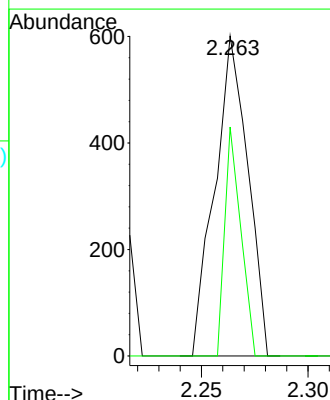
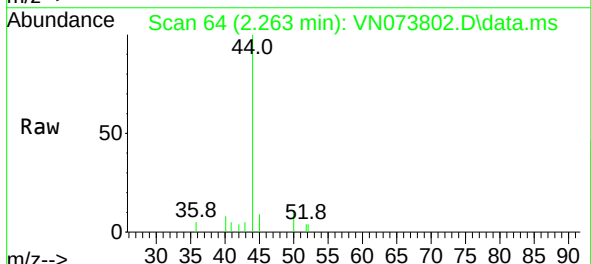
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

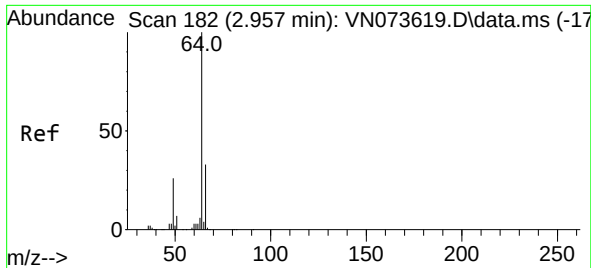
Tgt Ion:168 Resp: 370093
Ion Ratio Lower Upper
168 100
99 52.8 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 50 Resp: 649
Ion Ratio Lower Upper
50 100
52 71.5 25.7 38.5#

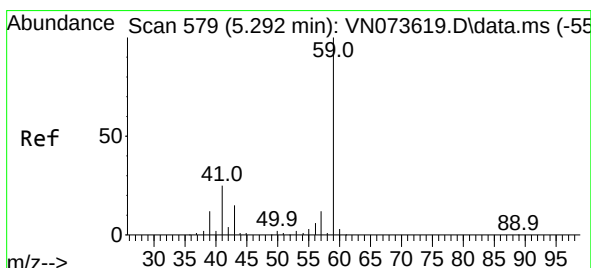
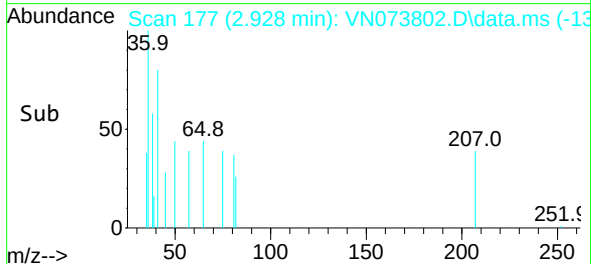
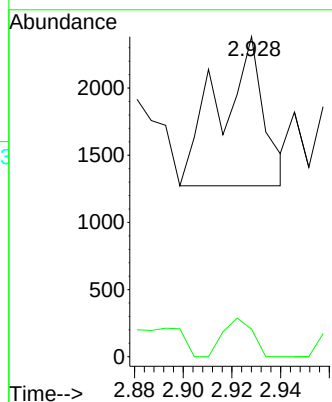
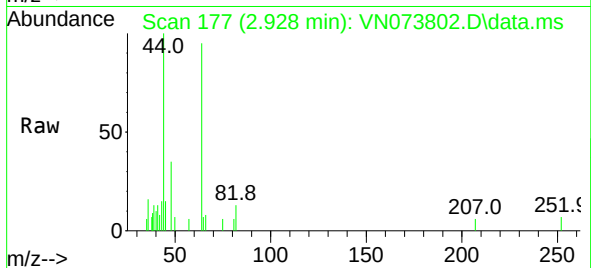




#6
Chloroethane
Concen: Below Cal
RT: 2.928 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

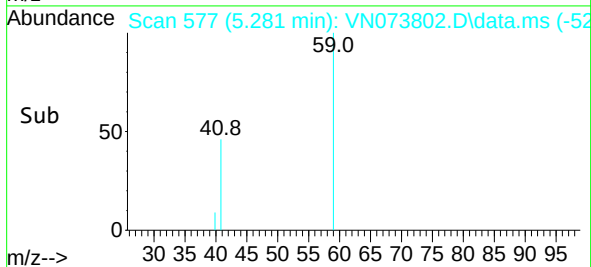
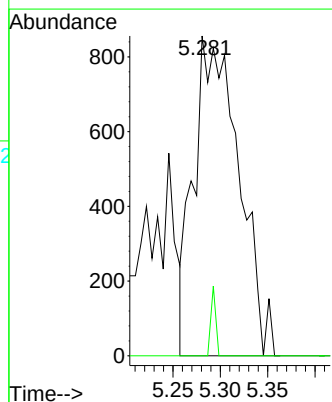
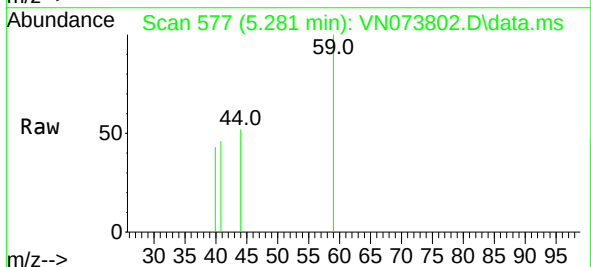
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

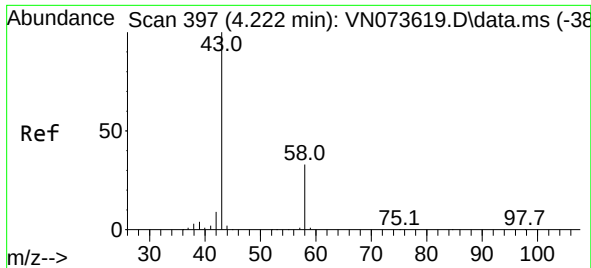
Tgt Ion: 64 Resp: 1425
Ion Ratio Lower Upper
64 100
66 18.5 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.903 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.011 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 59 Resp: 2824
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#

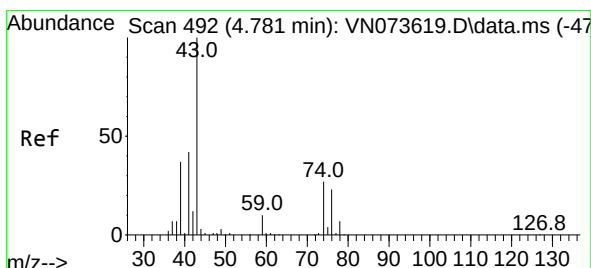
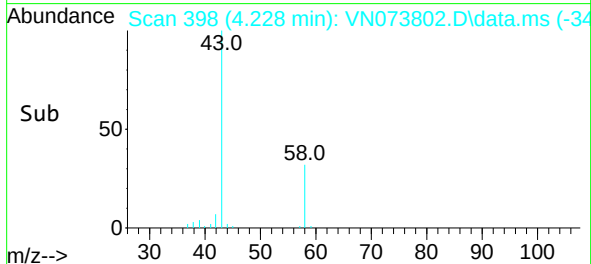
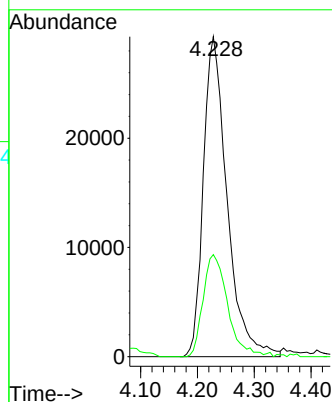
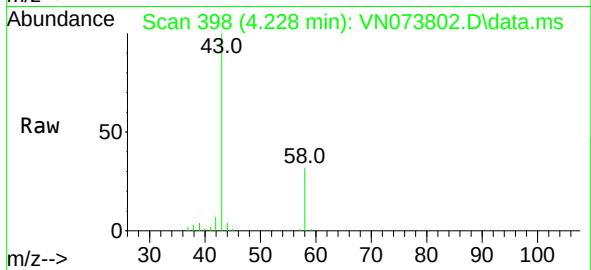




#16
Acetone
Concen: 35.064 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

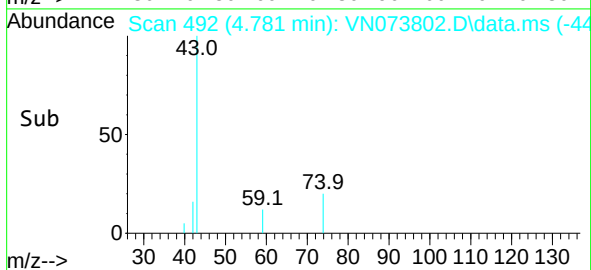
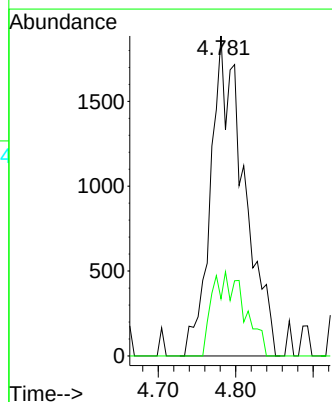
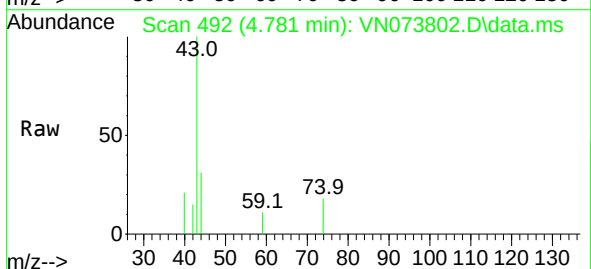
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

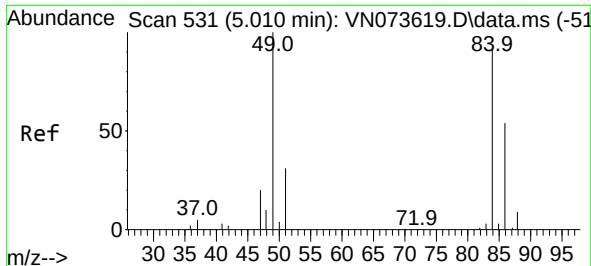
Tgt Ion: 43 Resp: 84940
Ion Ratio Lower Upper
43 100
58 31.9 26.0 39.0



#18
Methyl Acetate
Concen: 0.935 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

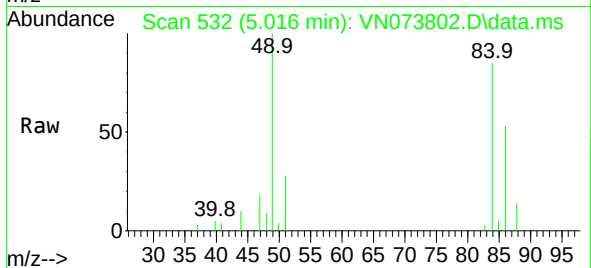
Tgt Ion: 43 Resp: 5637
Ion Ratio Lower Upper
43 100
74 8.6 21.6 32.4#





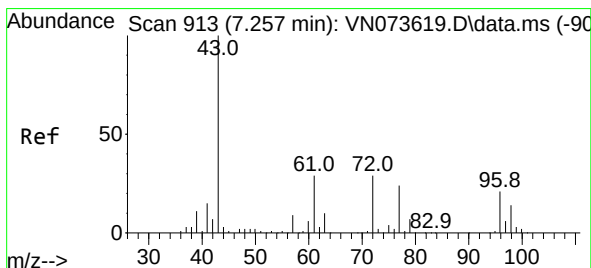
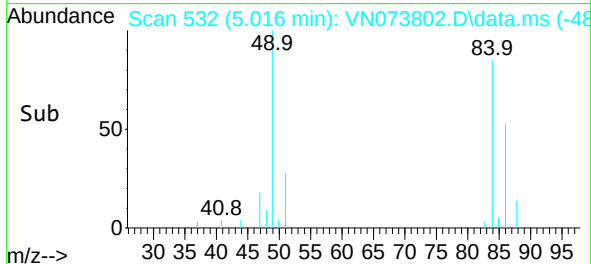
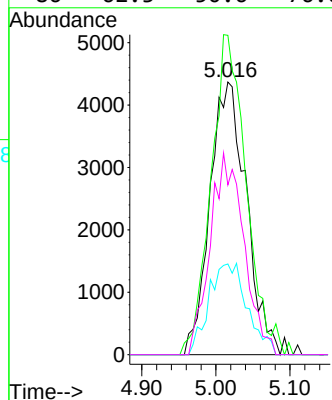
#20
Methylene Chloride
Concen: 1.673 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01



Tgt Ion: 84 Resp: 14904

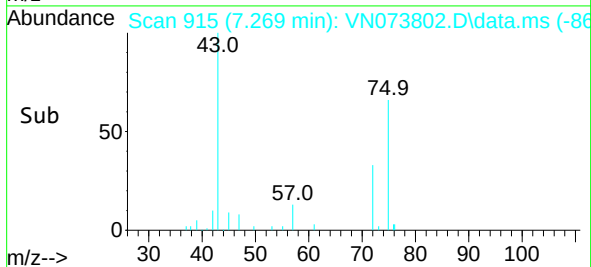
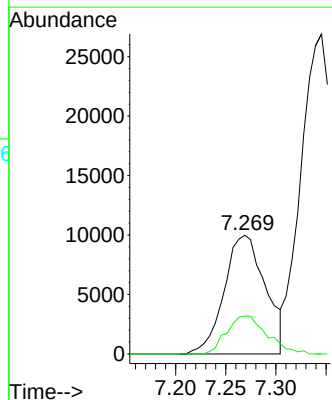
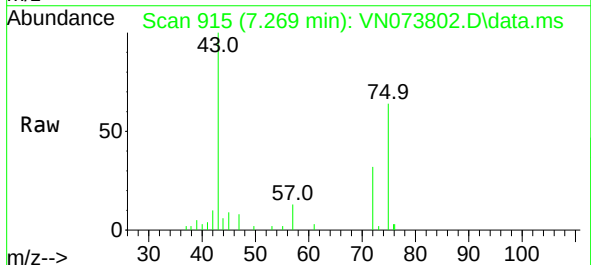
Ion	Ratio	Lower	Upper
84	100		
49	117.2	88.3	132.5
51	33.3	28.2	42.2
86	62.3	50.6	76.0

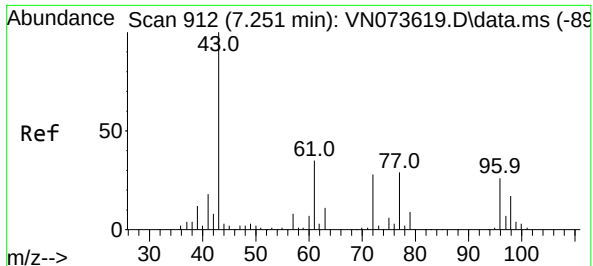


#25
2-Butanone
Concen: 7.603 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 43 Resp: 28604

Ion	Ratio	Lower	Upper
43	100		
72	32.0	23.7	35.5

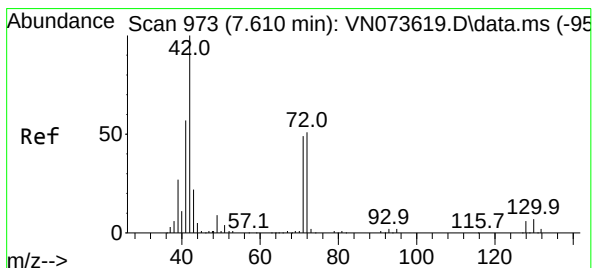
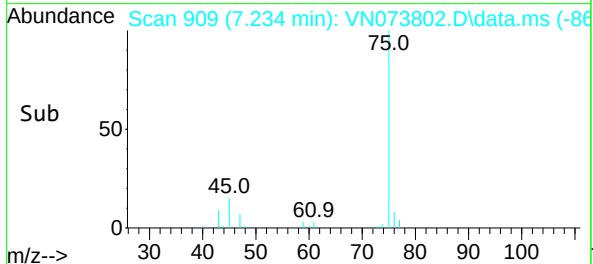
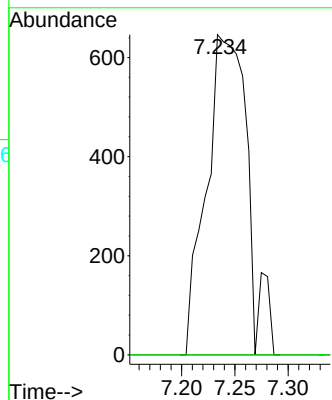
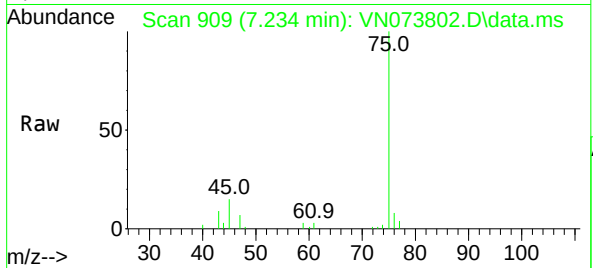




#26
2,2-Dichloropropane
Concen: 0.304 ug/l
RT: 7.234 min Scan# 909
Delta R.T. -0.018 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

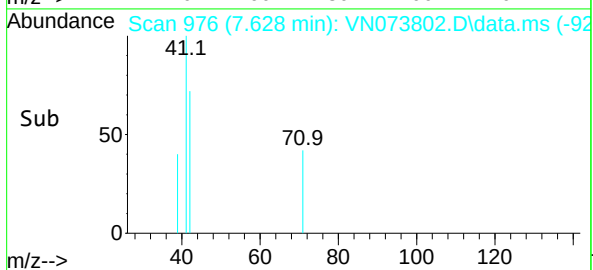
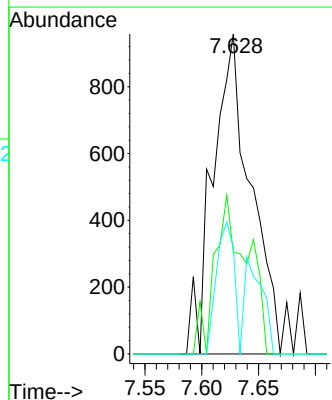
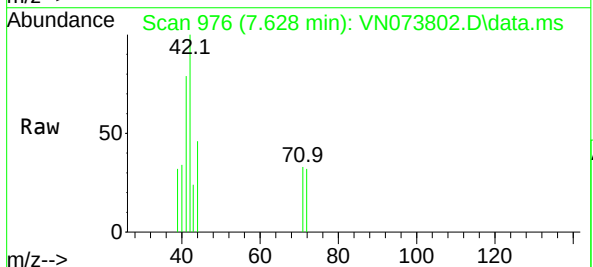
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

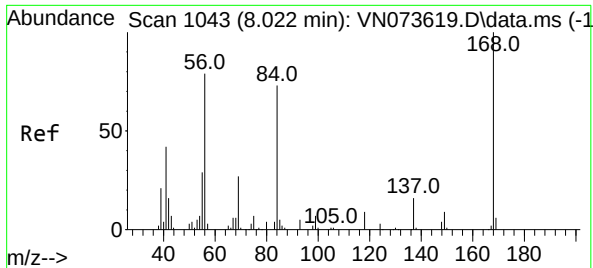
Tgt Ion: 77 Resp: 1744
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.931 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 42 Resp: 2214
Ion Ratio Lower Upper
42 100
72 43.1 39.7 59.5
71 19.3 36.6 55.0#

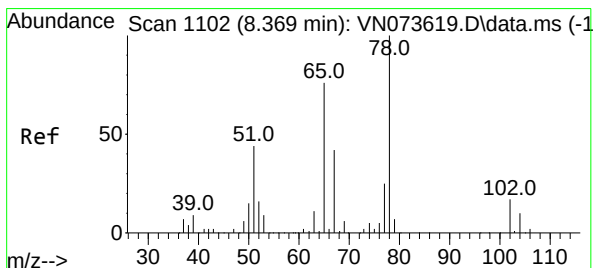
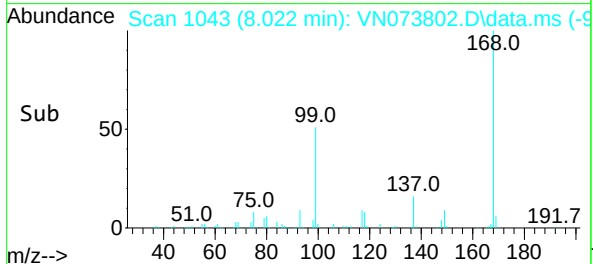
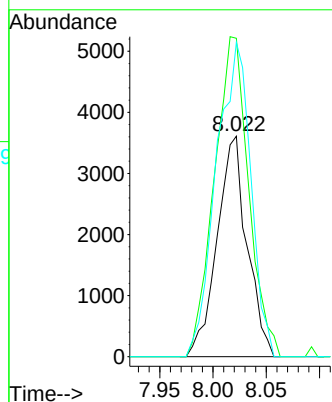
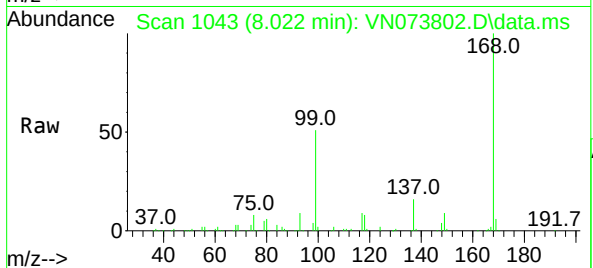




#31
Cyclohexane
Concen: 1.051 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

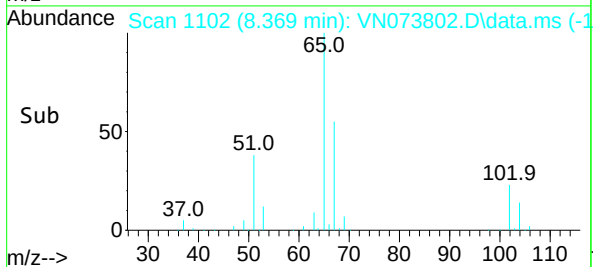
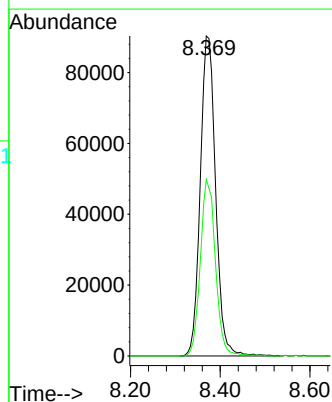
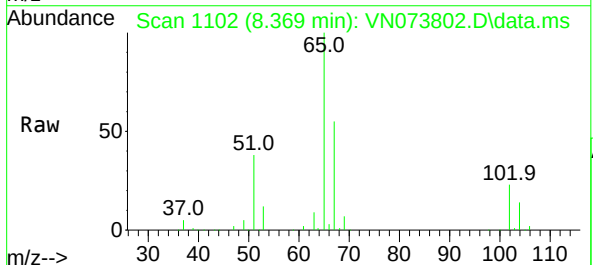
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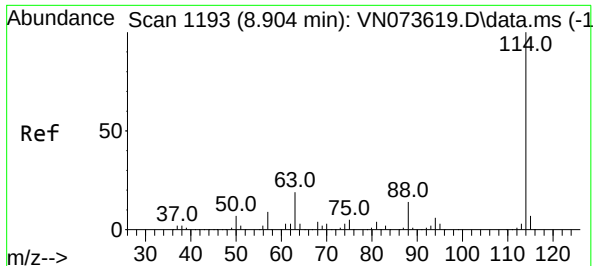
Tgt Ion: 56 Resp: 7057
Ion Ratio Lower Upper
56 100
69 144.4 27.8 41.8#
84 142.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.450 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 65 Resp: 214008
Ion Ratio Lower Upper
65 100
67 54.4 0.0 104.8

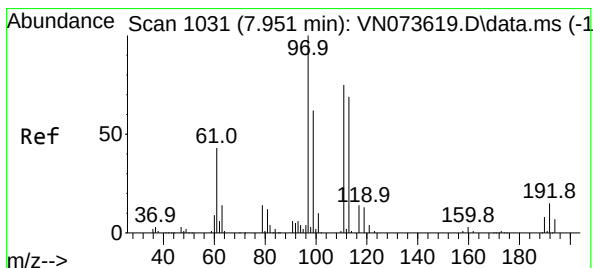
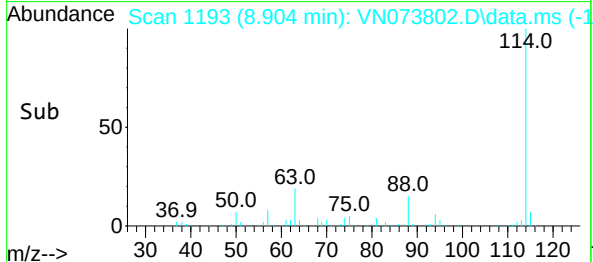
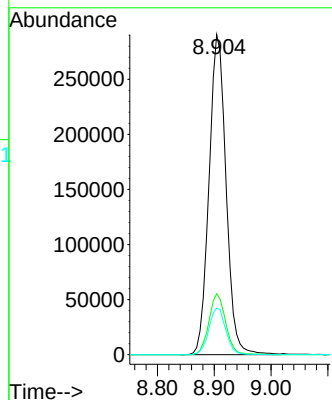
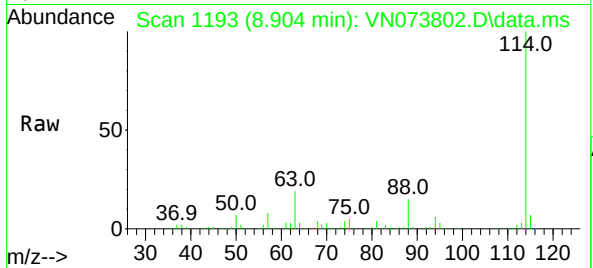




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

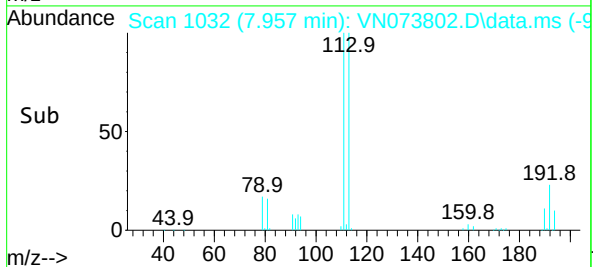
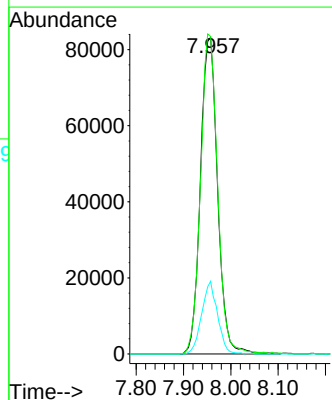
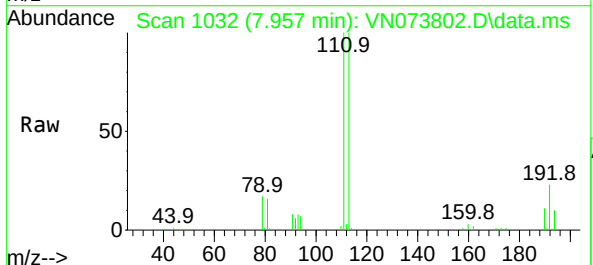
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

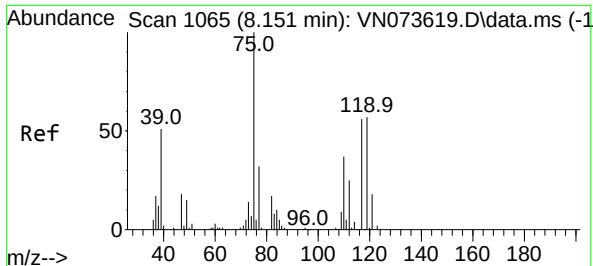
Tgt Ion:114 Resp: 604646
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.0
88 14.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 55.153 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion:113 Resp: 209403
Ion Ratio Lower Upper
113 100
111 100.3 81.4 122.0
192 21.2 17.0 25.6

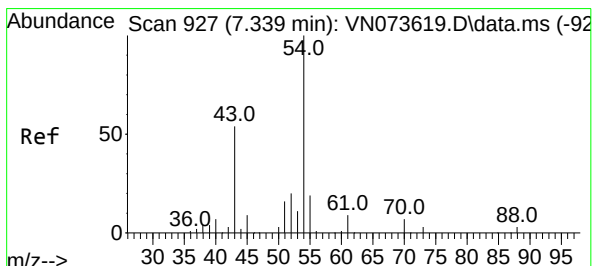
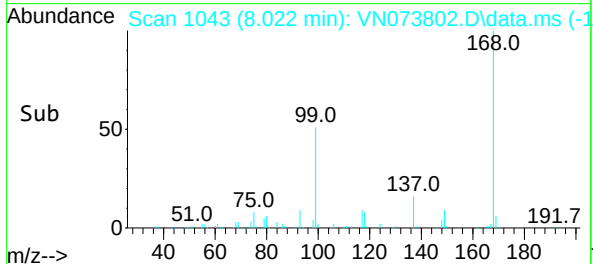
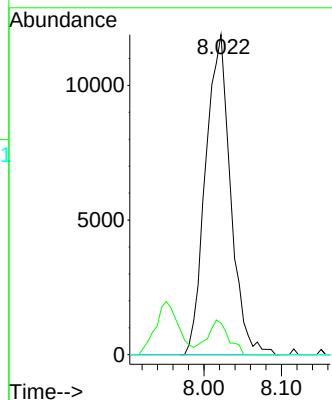
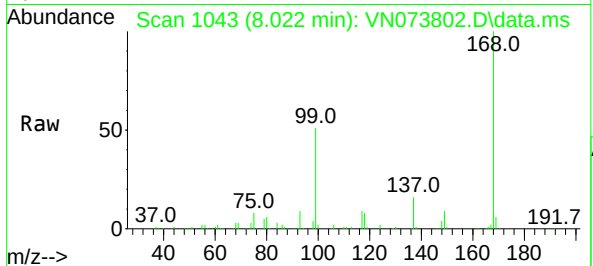




#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

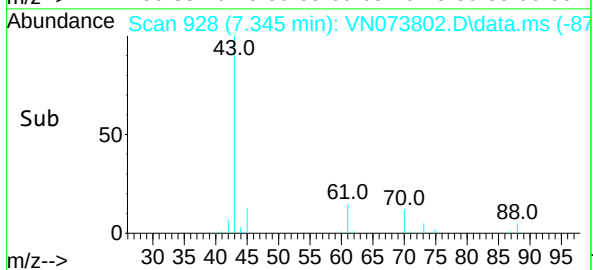
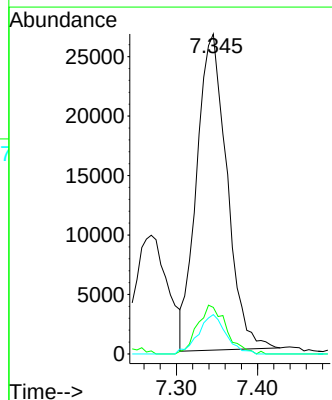
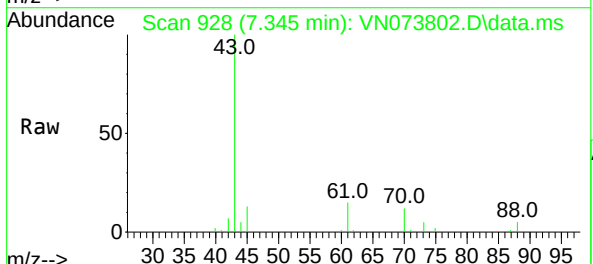
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

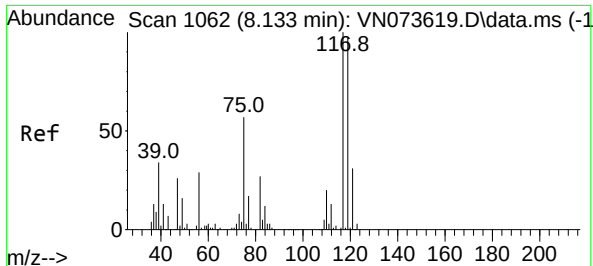
Tgt Ion: 75 Resp: 26713
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.653 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

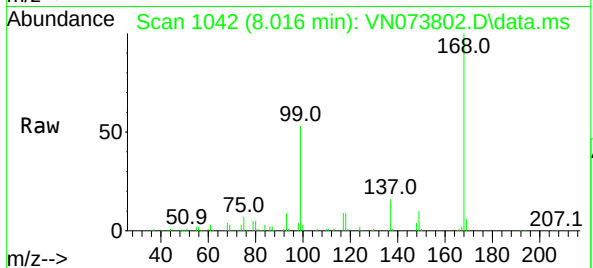
Tgt Ion: 43 Resp: 68790
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.4 9.3 13.9



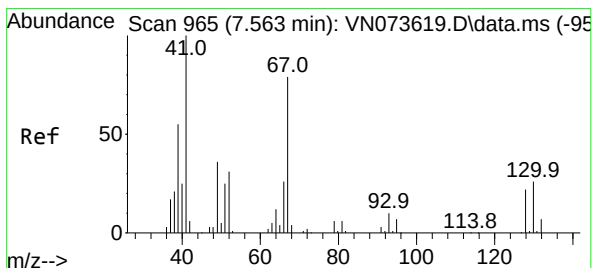
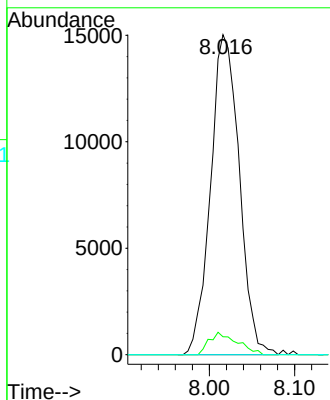
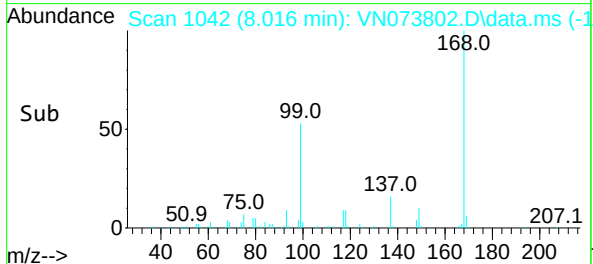


#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

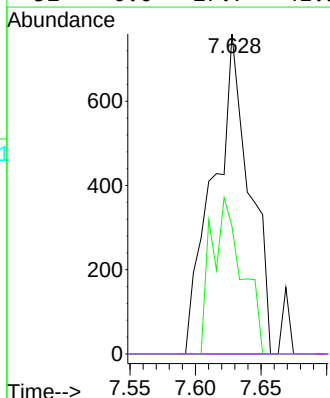
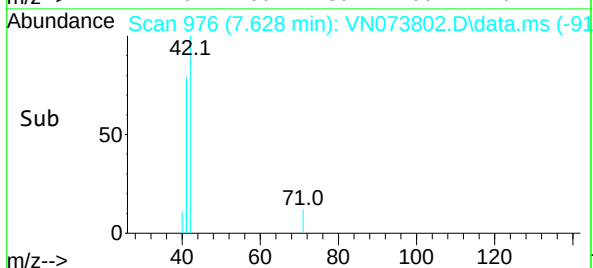
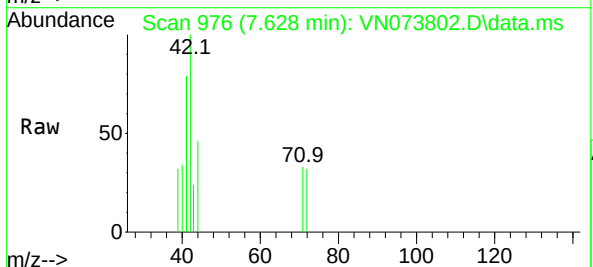


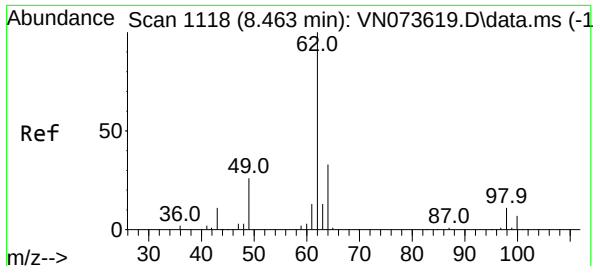
Tgt Ion:117 Resp: 35180
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.452 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 41 Resp: 1459
Ion Ratio Lower Upper
41 100
39 41.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.301 ug/l

RT: 8.498 min Scan# 1118

Delta R.T. 0.035 min

Lab File: VN073802.D

Acq: 10 Aug 2022 17:00

Instrument :

MSVOA_N

ClientSampleId :

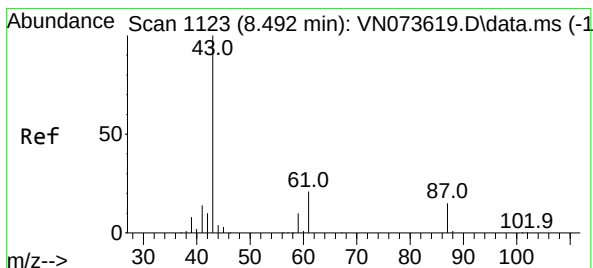
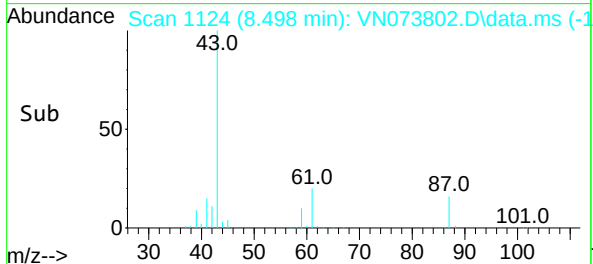
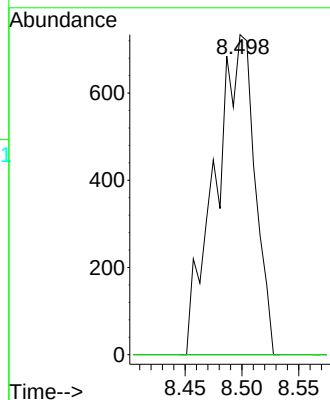
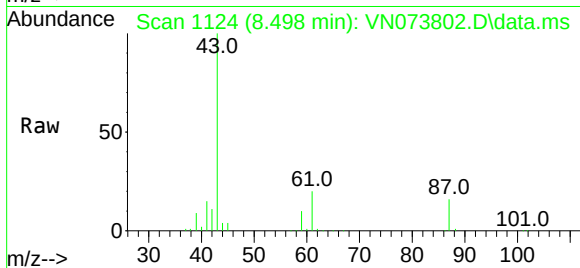
PB146860ZHE#01

Tgt Ion: 62 Resp: 1784

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 29.075 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073802.D

Acq: 10 Aug 2022 17:00

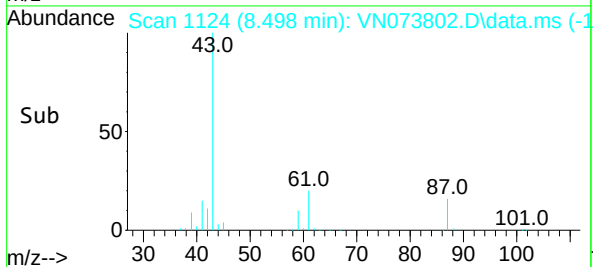
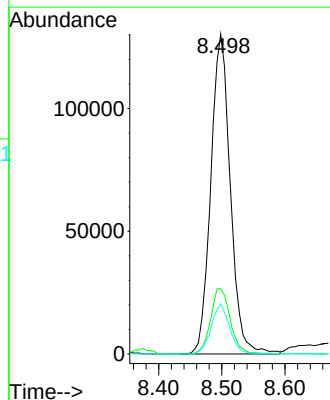
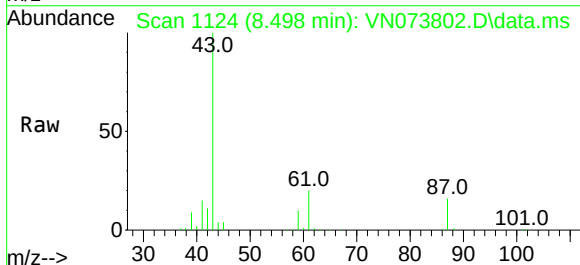
Tgt Ion: 43 Resp: 279872

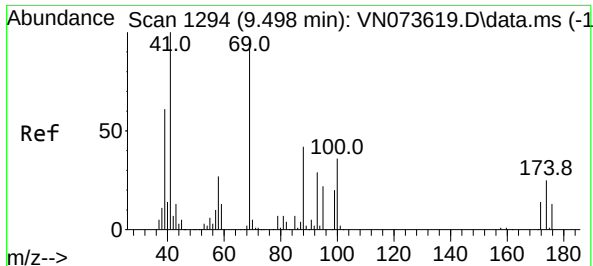
Ion Ratio Lower Upper

43 100

61 20.6 21.9 32.9#

87 14.9 12.0 18.0

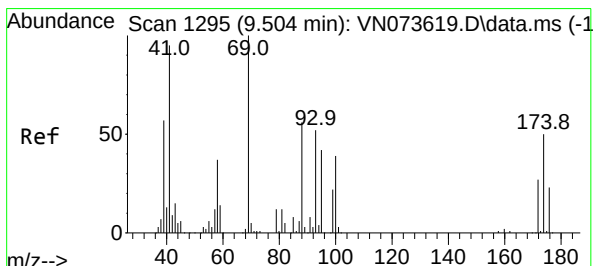
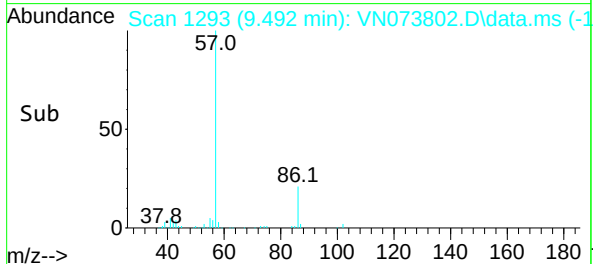
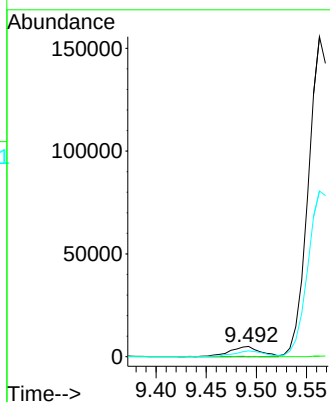
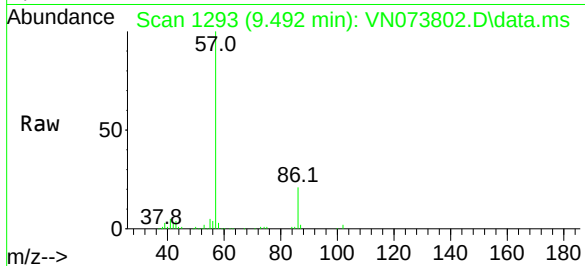




#48
Methyl methacrylate
Concen: 2.498 ug/l
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

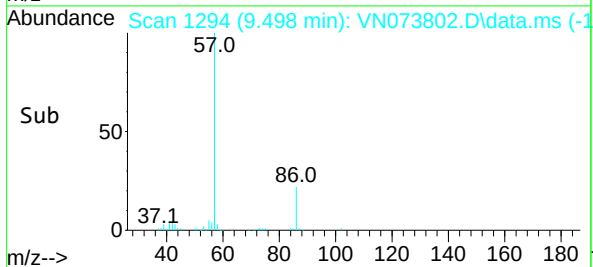
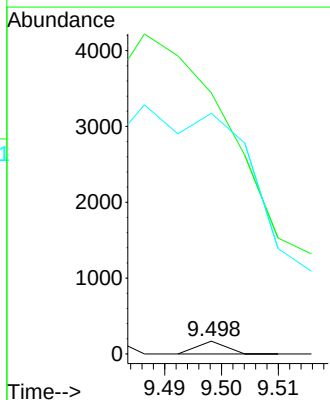
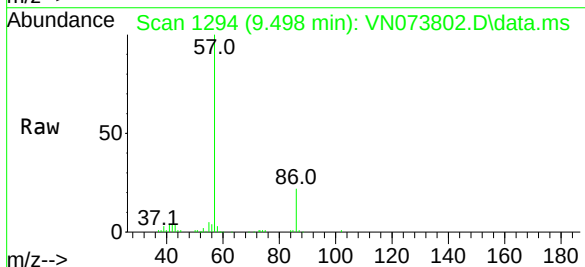
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

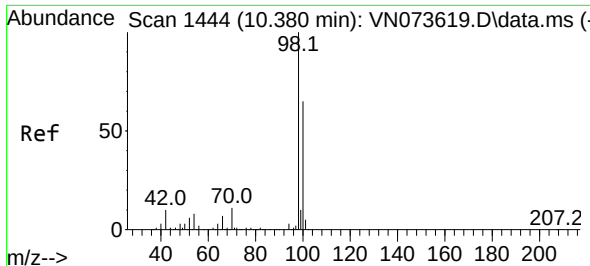
Tgt Ion: 41 Resp: 10525
Ion Ratio Lower Upper
41 100
69 1.9 74.7 112.1#
39 56.2 45.6 68.4



#49
1,4-Dioxane
Concen: 0.497 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

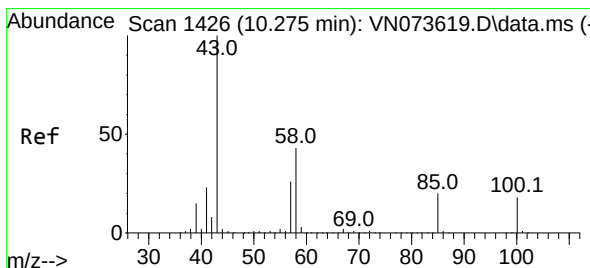
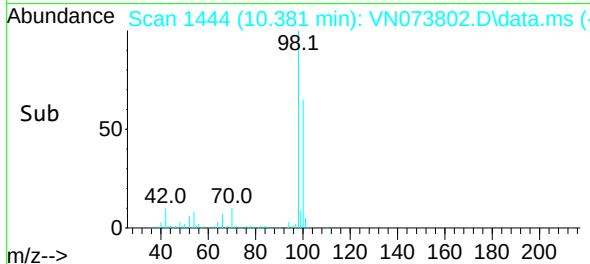
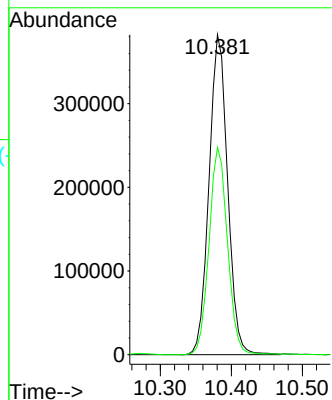
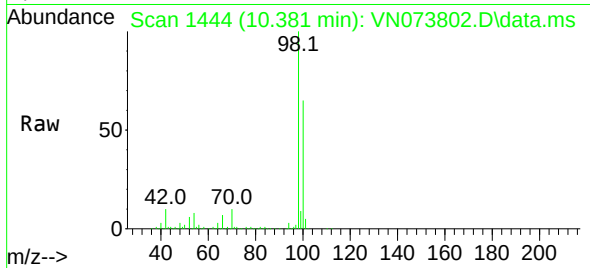




#50
Toluene-d8
Concen: 46.544 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

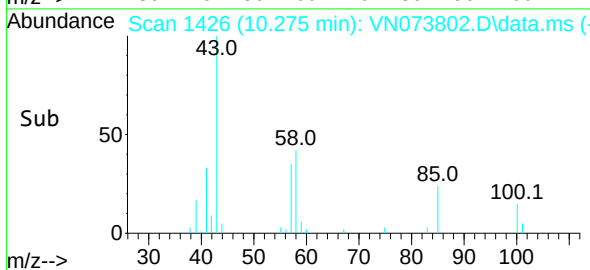
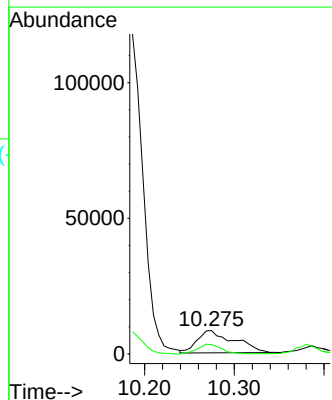
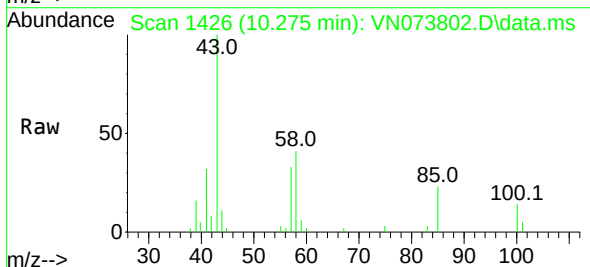
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

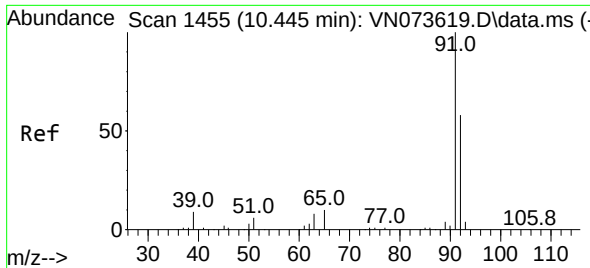
Tgt Ion: 98 Resp: 695414
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.401 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 43 Resp: 23478
Ion Ratio Lower Upper
43 100
58 28.9 34.1 51.1#

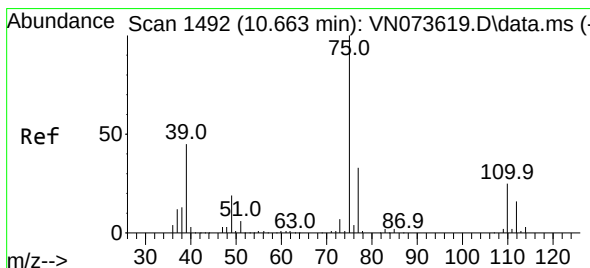
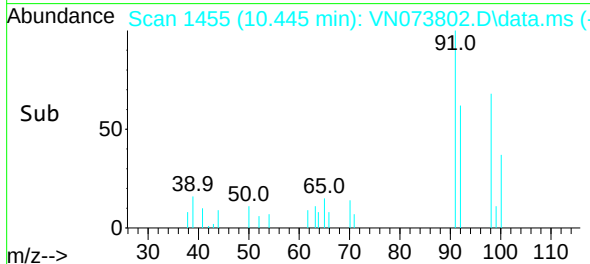
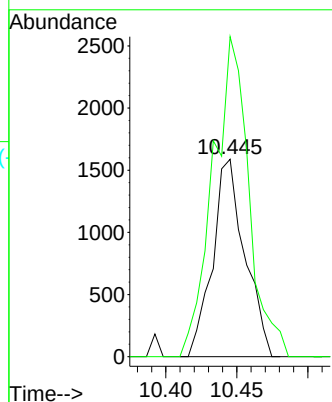
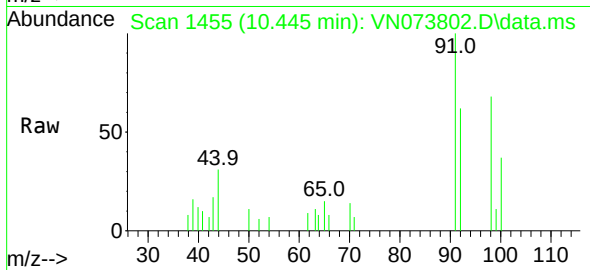




#52
Toluene
Concen: 0.234 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

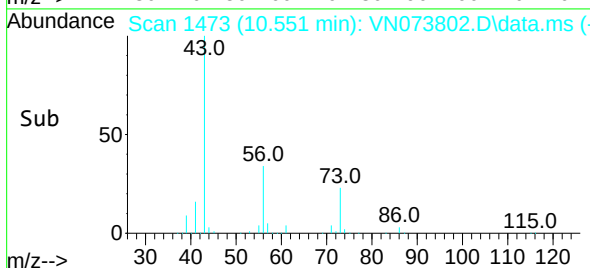
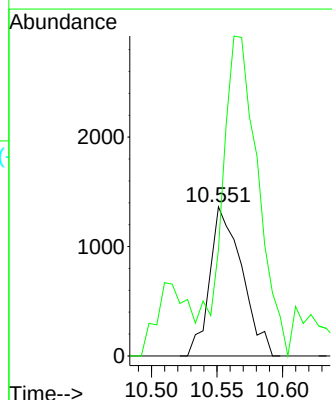
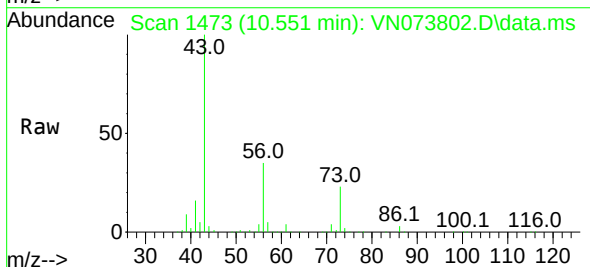
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

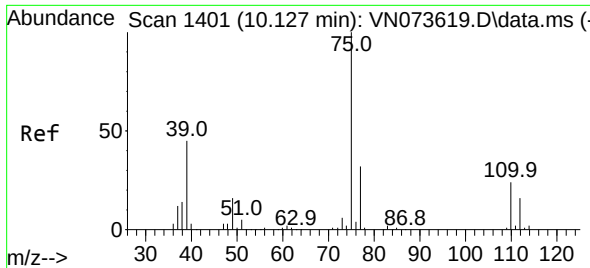
Tgt Ion: 92 Resp: 2510
Ion Ratio Lower Upper
92 100
91 180.0 138.6 207.8



#53
t-1,3-Dichloropropene
Concen: 0.402 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 75 Resp: 2322
Ion Ratio Lower Upper
75 100
77 44.8 25.6 38.4#

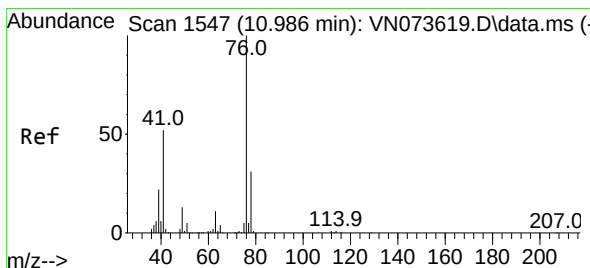
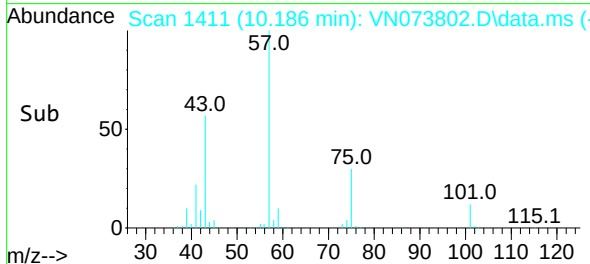
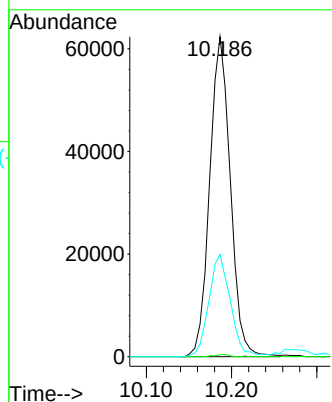
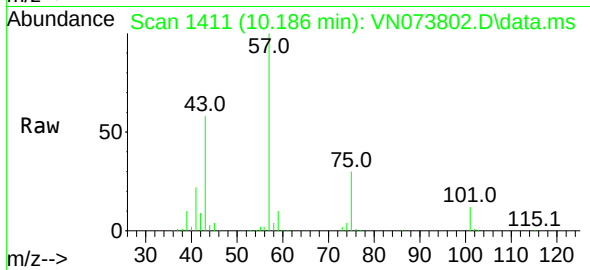




#54
 cis-1,3-Dichloropropene
 Concen: 16.153 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073802.D
 Acq: 10 Aug 2022 17:00

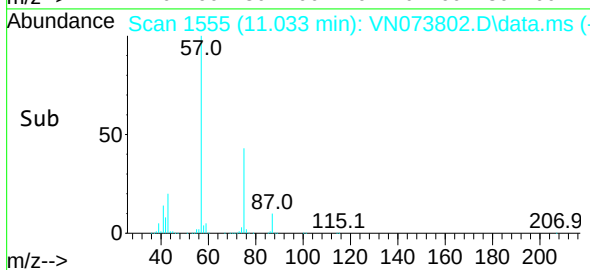
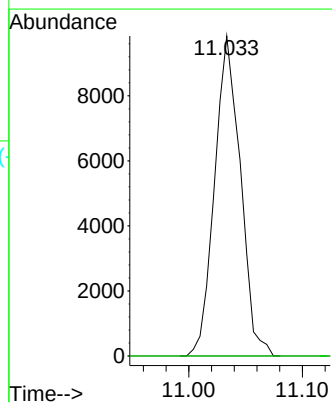
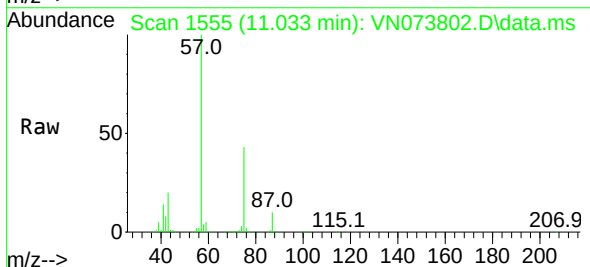
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#01

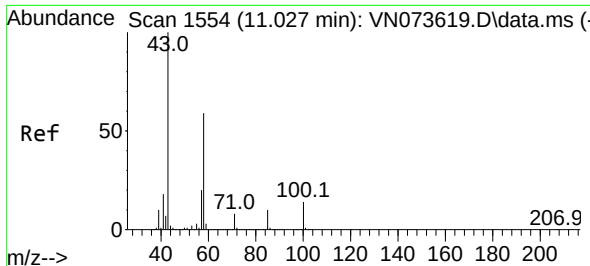
Tgt Ion: 75 Resp: 105213
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 32.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 2.048 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073802.D
 Acq: 10 Aug 2022 17:00

Tgt Ion: 76 Resp: 15552
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

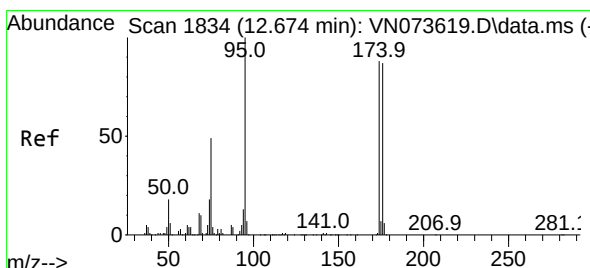
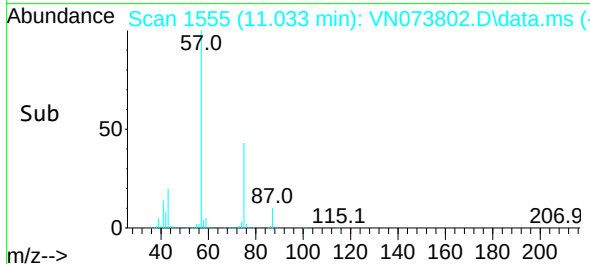
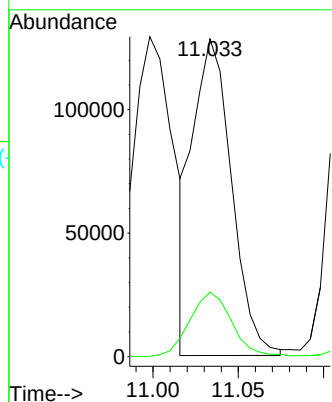
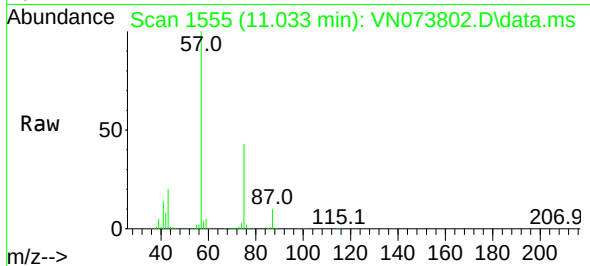




#59
2-Hexanone
Concen: 39.014 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

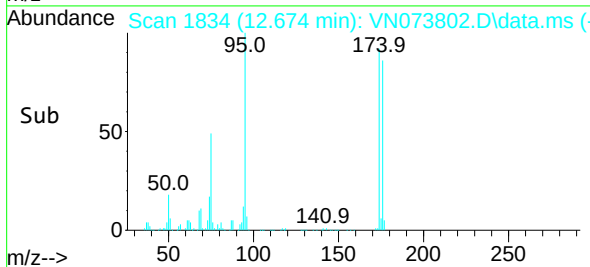
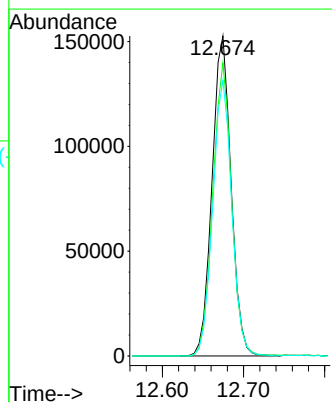
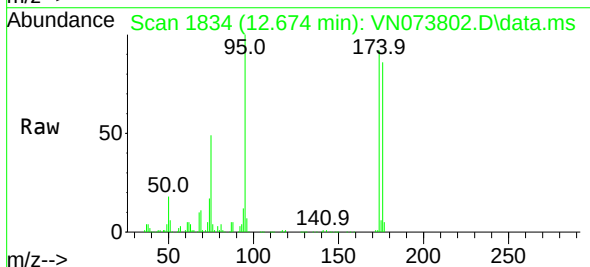
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

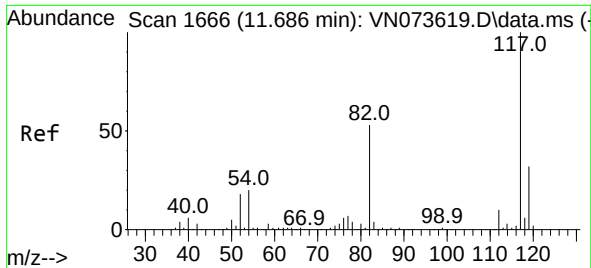
Tgt Ion: 43 Resp: 204073
Ion Ratio Lower Upper
43 100
58 22.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 47.548 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion: 95 Resp: 248637
Ion Ratio Lower Upper
95 100
174 90.7 0.0 167.6
176 86.1 0.0 163.4

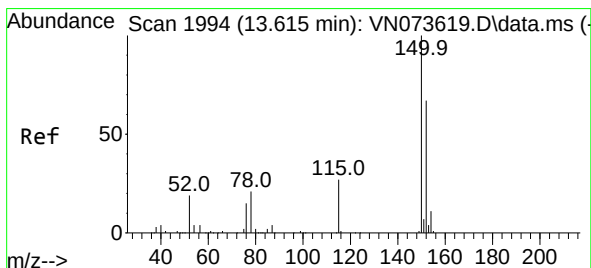
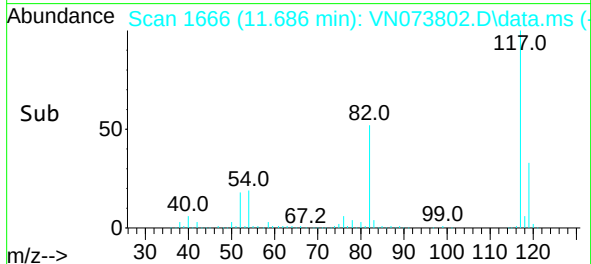
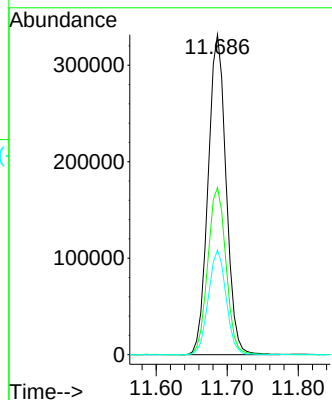
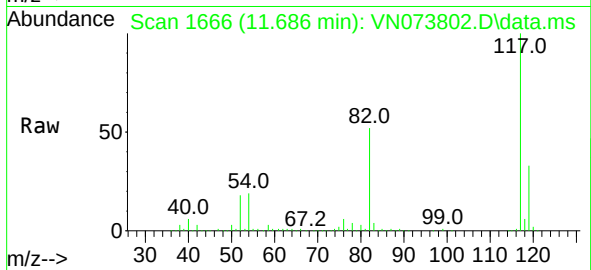




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

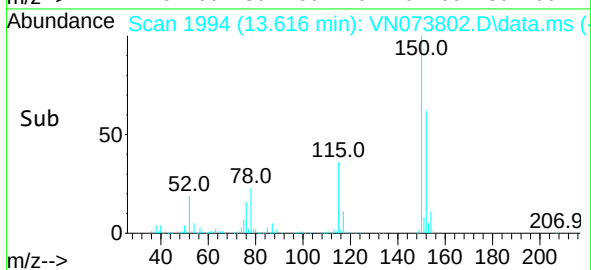
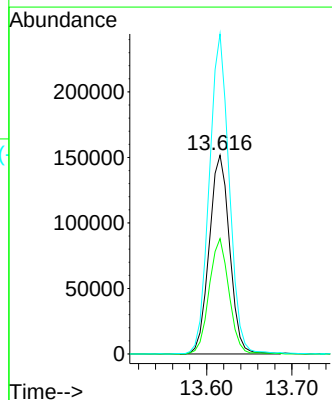
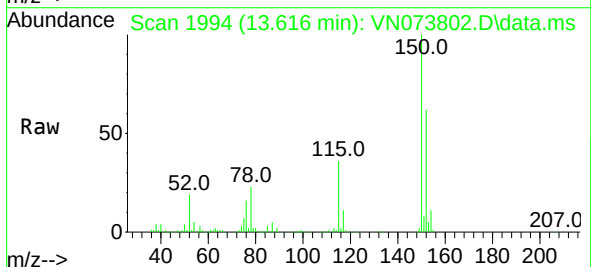
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

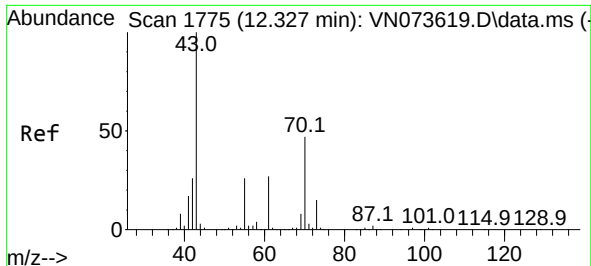
Tgt Ion:117 Resp: 583621
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

Tgt Ion:152 Resp: 251743
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 157.8 0.0 356.2

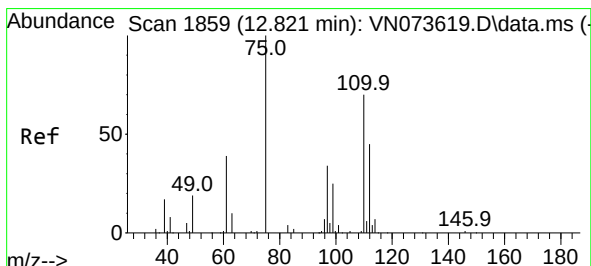
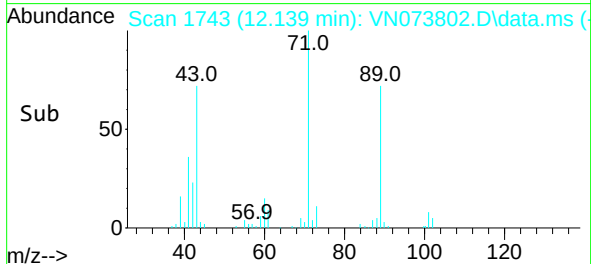
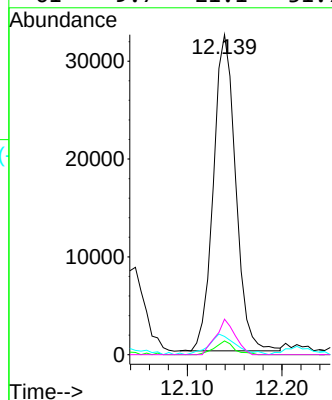
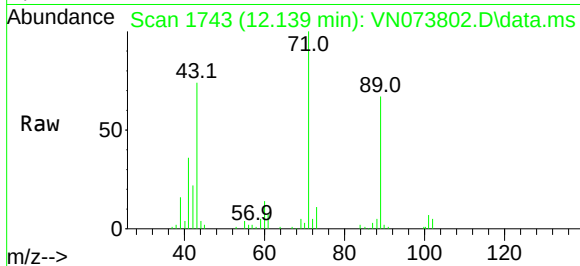




#74
N-amy1 acetate
Concen: 7.594 ug/l
RT: 12.139 min Scan# 1
Delta R.T. -0.188 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

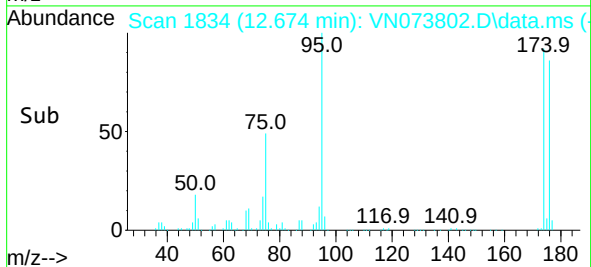
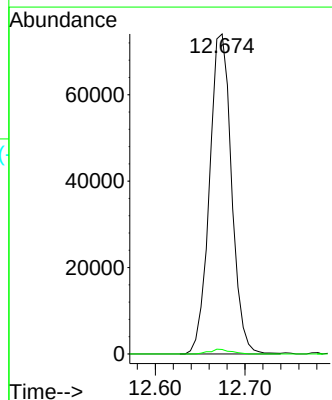
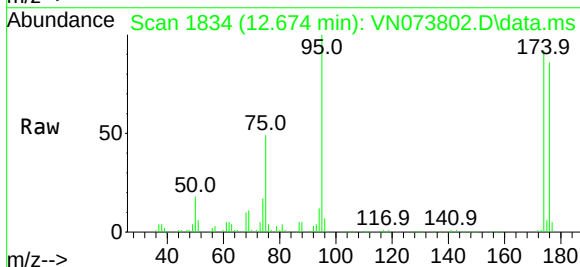
Instrument :
MSVOA_N
ClientSampleId :
PB146860ZHE#01

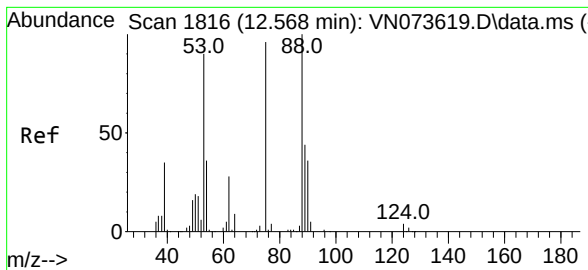
Tgt Ion: 43	Resp: 52877
Ion Ratio	Lower Upper
43 100	
70 3.8	39.0 58.4#
55 7.8	21.1 31.7#
61 9.7	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 25.883 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073802.D
Acq: 10 Aug 2022 17:00

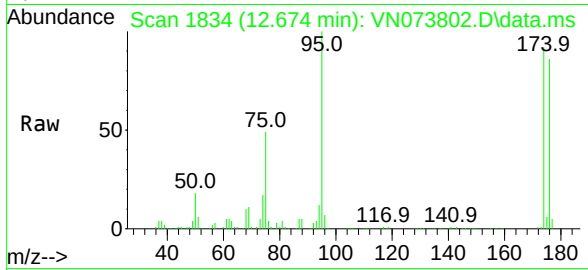
Tgt Ion: 75	Resp: 126537
Ion Ratio	Lower Upper
75 100	
77 1.4	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.139 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073802.D
 Acq: 10 Aug 2022 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860ZHE#01



Tgt Ion: 75 Resp: 126537
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#

