

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073858.D
 Acq On : 12 Aug 2022 17:52
 Operator : JC\MD
 Sample : PB146944ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#05

Quant Time: Aug 13 05:04:13 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)

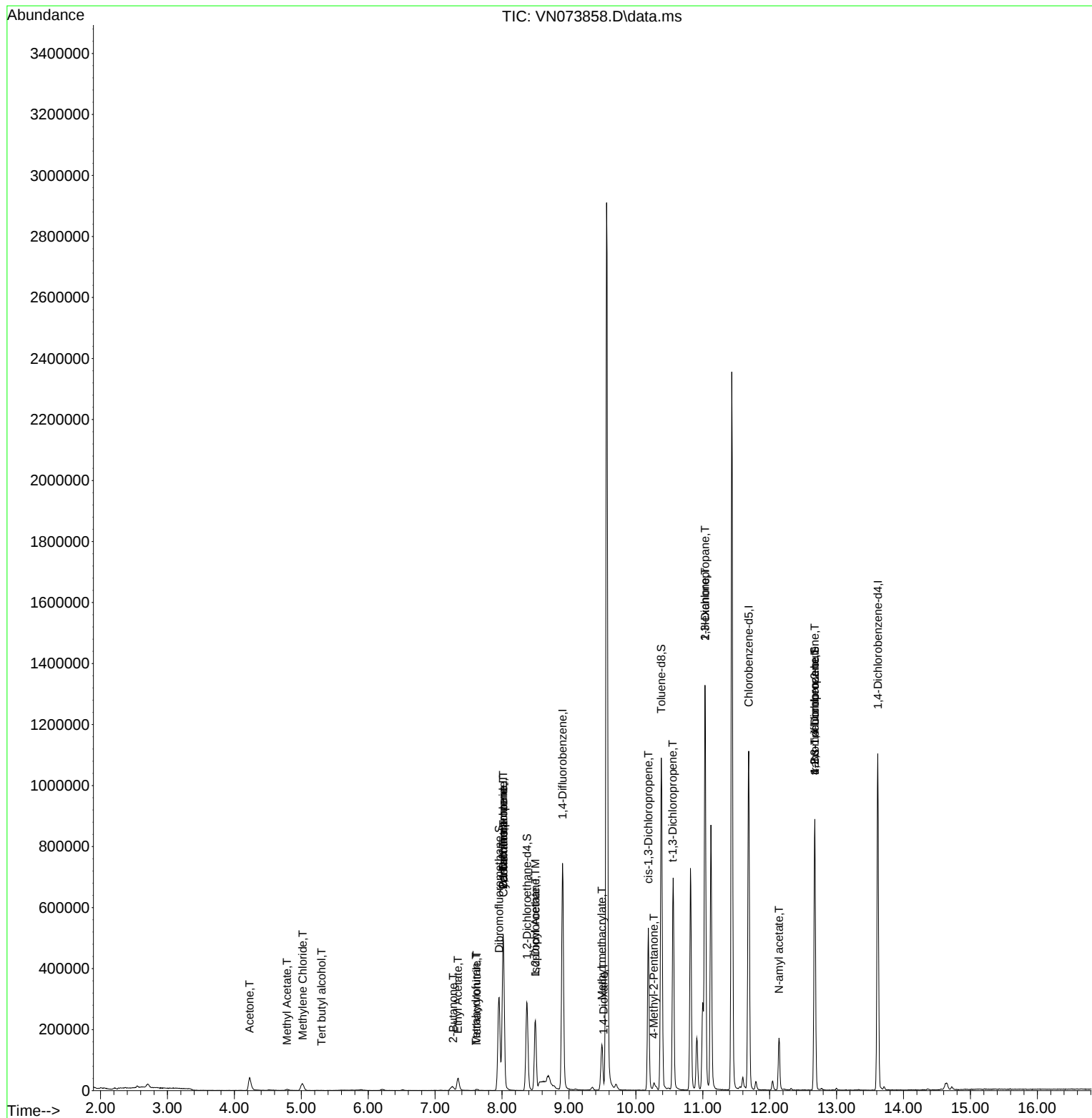
Internal Standards						
1) Pentafluorobenzene	8.016	168	415634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	680615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	667843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	312497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	240925	47.565	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.140%		
35) Dibromofluoromethane	7.957	113	229065	53.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.200%		
50) Toluene-d8	10.381	98	767838	45.656	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.320%		
62) 4-Bromofluorobenzene	12.674	95	286620	48.627	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	598	Below Cal	#	87
6) Chloroethane	2.934	64	339	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	703	0.644	ug/l #	72
16) Acetone	4.228	43	76280	28.038	ug/l	100
18) Methyl Acetate	4.787	43	7427	1.097	ug/l	93
20) Methylene Chloride	5.022	84	19414	2.309	ug/l	95
25) 2-Butanone	7.269	43	13406	3.173	ug/l	98
29) Tetrahydrofuran	7.610	42	2601	0.974	ug/l #	74
31) Cyclohexane	8.022	56	8114	1.076	ug/l #	2
36) 1,1-Dichloropropene	8.016	75	28786	4.726	ug/l #	49
37) Ethyl Acetate	7.340	43	60816	7.581	ug/l	98
38) Carbon Tetrachloride	8.016	117	36364	5.878	ug/l #	18
41) Methacrylonitrile	7.622	41	2147	0.591	ug/l #	34
42) 1,2-Dichloroethane	8.498	62	1691	0.254	ug/l #	74
43) Isopropyl Acetate	8.498	43	251615	23.222	ug/l #	91
48) Methyl methacrylate	9.492	41	8644	1.823	ug/l #	39
49) 1,4-Dioxane	9.516	88	186	1.391	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	22490	2.894	ug/l #	80
53) t-1,3-Dichloropropene	10.551	75	1744	0.268	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	95147	12.977	ug/l #	64
57) 1,3-Dichloropropane	11.033	76	14692	1.719	ug/l #	42
59) 2-Hexanone	11.033	43	180629	30.678	ug/l #	49
74) N-amyl acetate	12.139	43	50085	5.795	ug/l #	50
76) 1,2,3-Trichloropropane	12.674	75	143783	23.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	143783	59.627	ug/l #	11

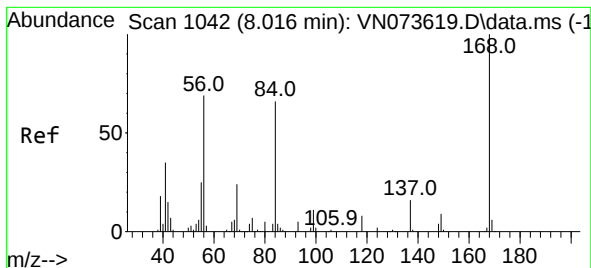
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

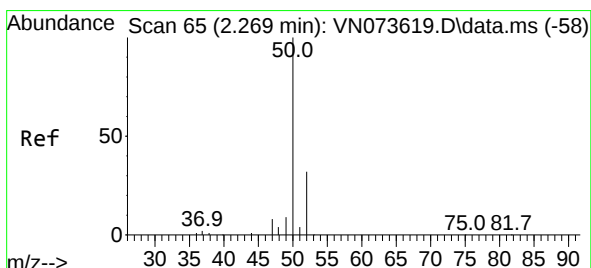
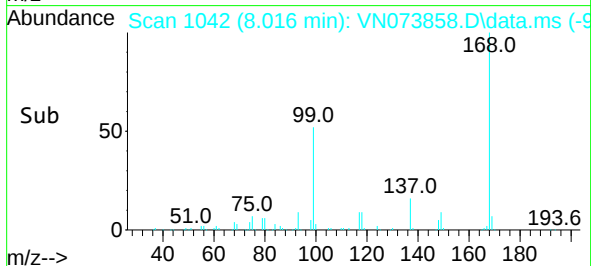
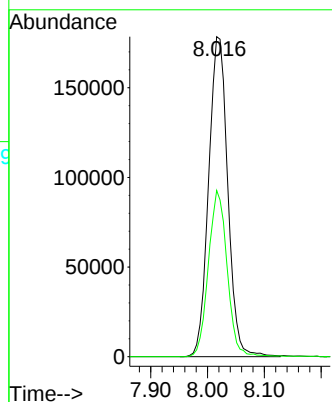
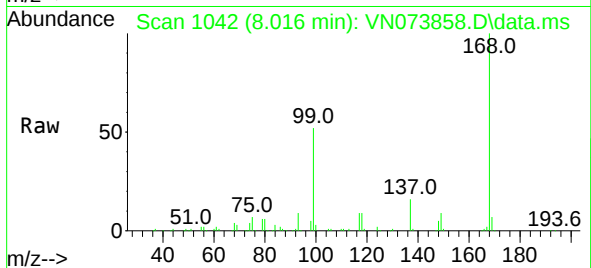
PB146944ZHE#05

Tgt Ion:168 Resp: 415634

Ion Ratio Lower Upper

168 100

99 52.0 42.3 63.5



#3

Chloromethane

Concen: Below Cal

RT: 2.269 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN073858.D

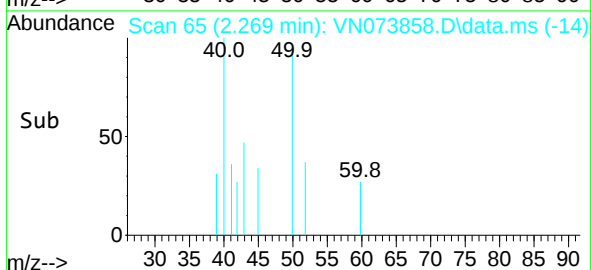
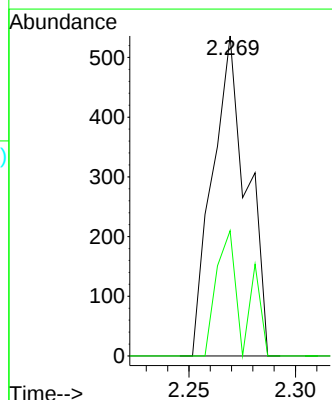
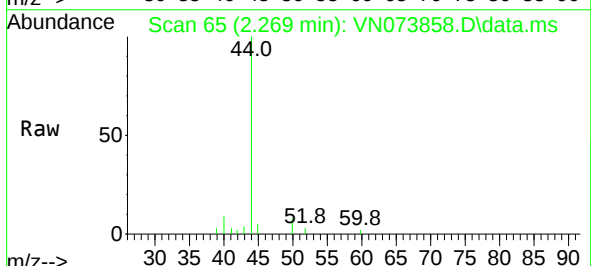
Acq: 12 Aug 2022 17:52

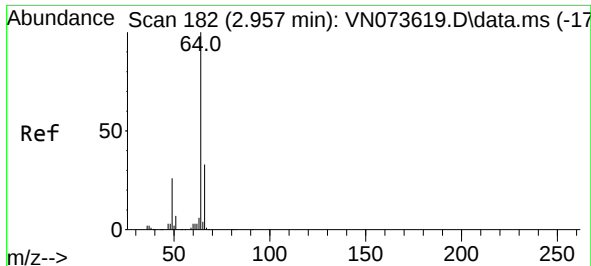
Tgt Ion: 50 Resp: 598

Ion Ratio Lower Upper

50 100

52 39.2 25.7 38.5#

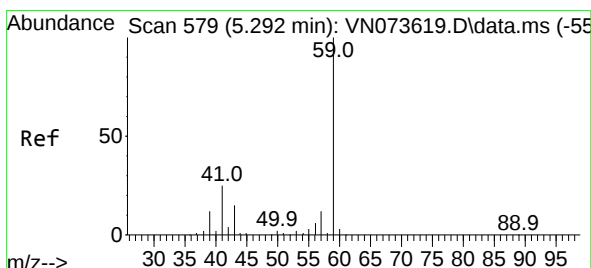
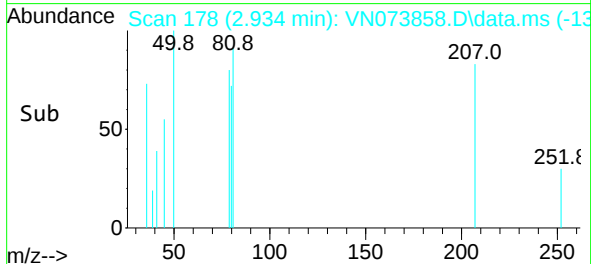
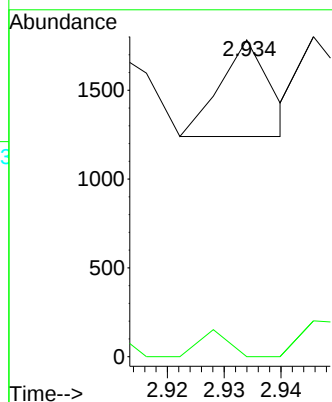
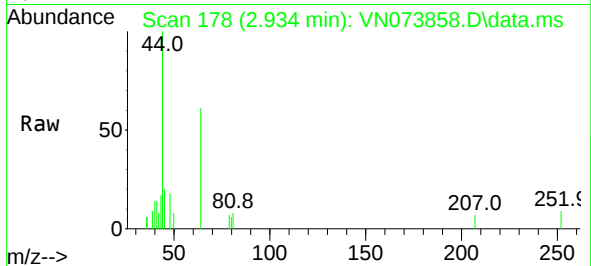




#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

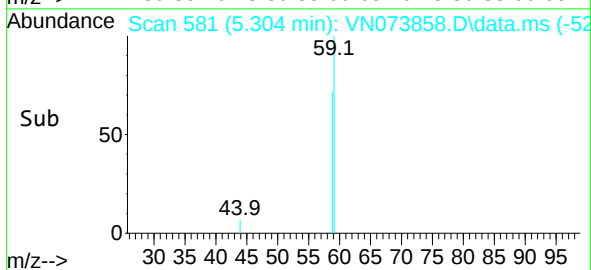
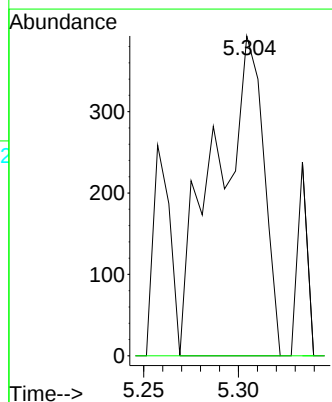
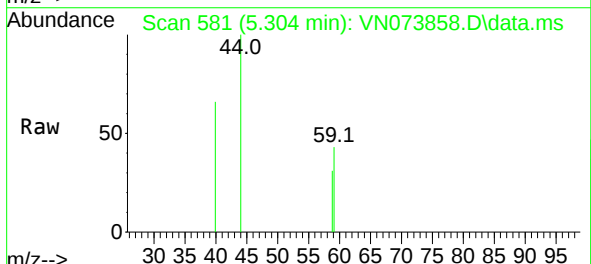
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

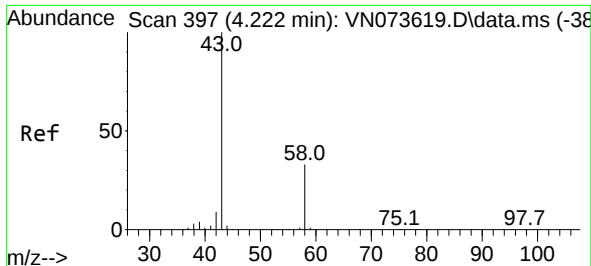
Tgt Ion: 64 Resp: 339
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.644 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

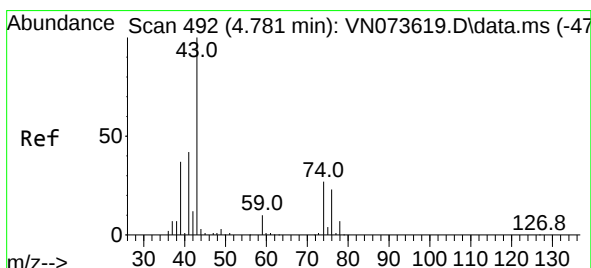
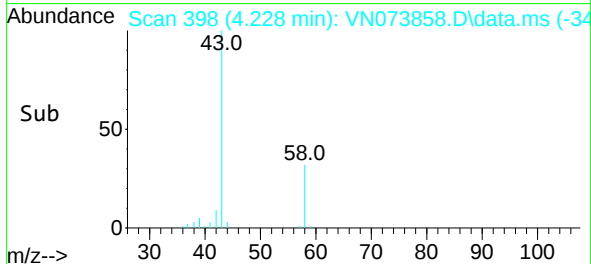
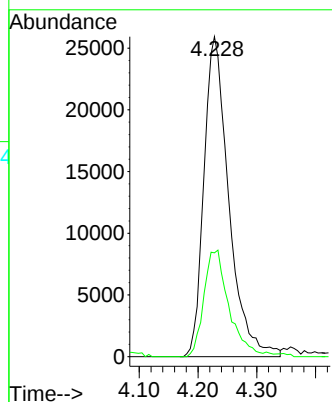
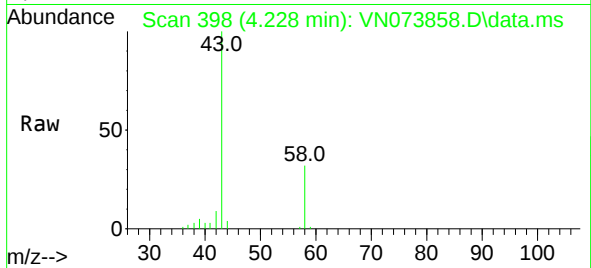




#16
Acetone
Concen: 28.038 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

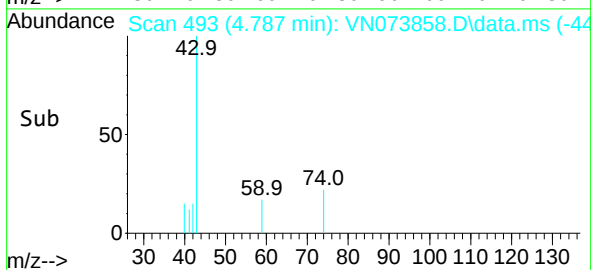
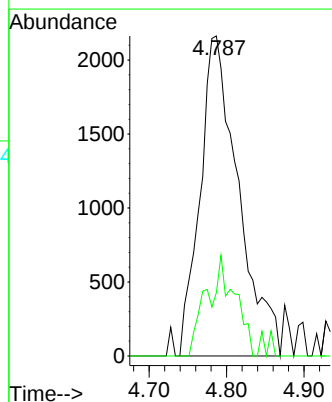
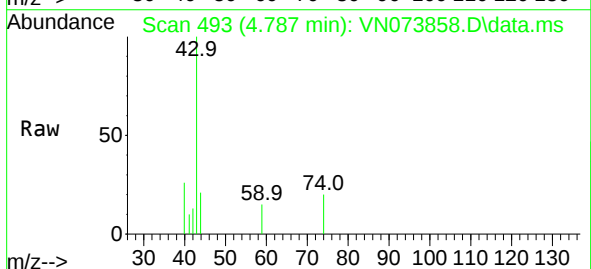
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

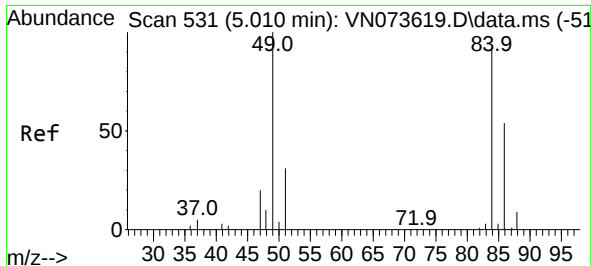
Tgt Ion: 43 Resp: 76280
Ion Ratio Lower Upper
43 100
58 32.4 26.0 39.0



#18
Methyl Acetate
Concen: 1.097 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

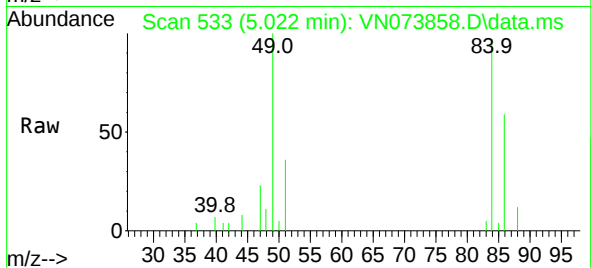
Tgt Ion: 43 Resp: 7427
Ion Ratio Lower Upper
43 100
74 23.2 21.6 32.4



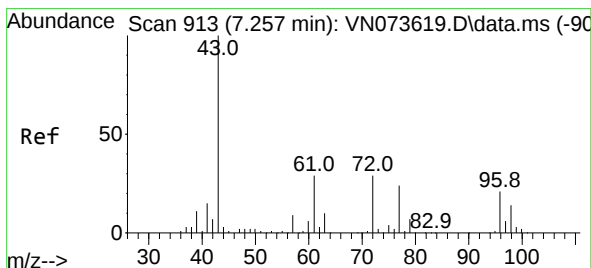
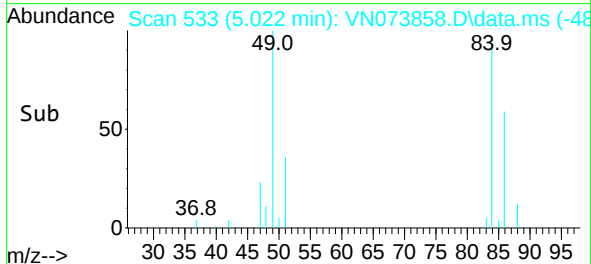
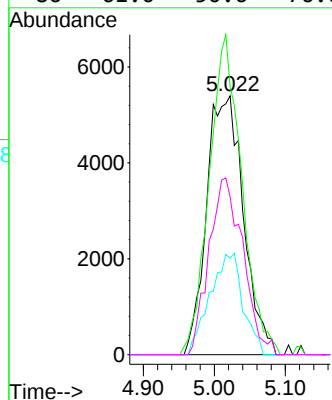


#20
Methylene Chloride
Concen: 2.309 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

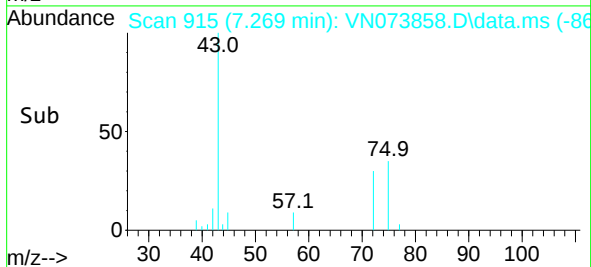
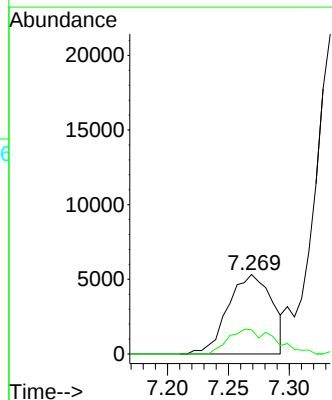
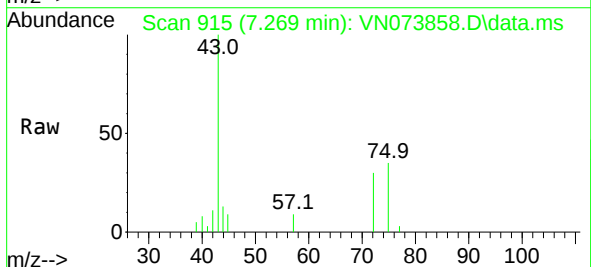


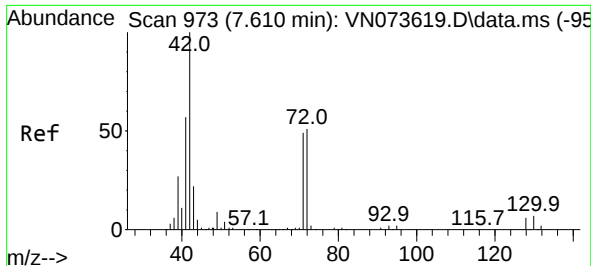
Tgt Ion:	84	Resp:	19414
Ion	Ratio	Lower	Upper
84	100		
49	103.6	88.3	132.5
51	37.3	28.2	42.2
86	61.0	50.6	76.0



#25
2-Butanone
Concen: 3.173 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Tgt Ion:	43	Resp:	13406
Ion	Ratio	Lower	Upper
43	100		
72	30.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.974 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

Instrument :

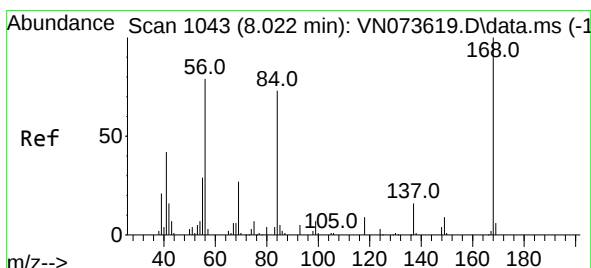
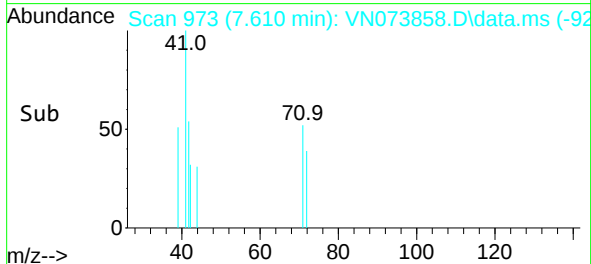
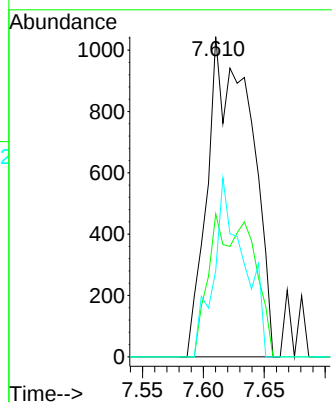
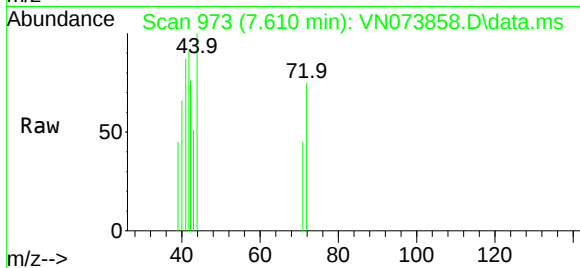
MSVOA_N

ClientSampleId :

PB146944ZHE#05

Tgt Ion: 42 Resp: 2601

Ion	Ratio	Lower	Upper
42	100		
72	22.0	39.7	59.5#
71	38.6	36.6	55.0



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 8.022 min Scan# 1043

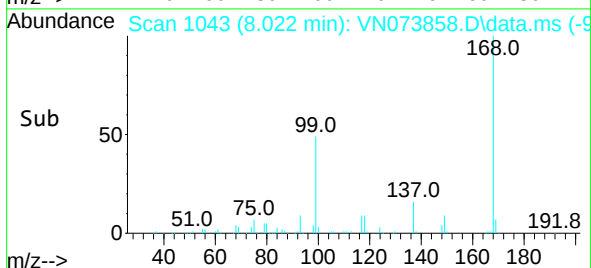
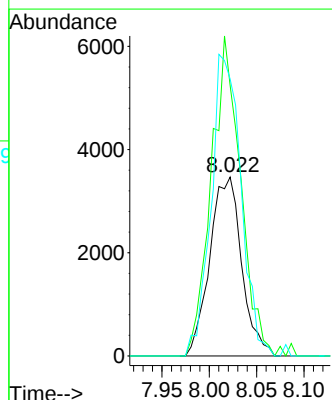
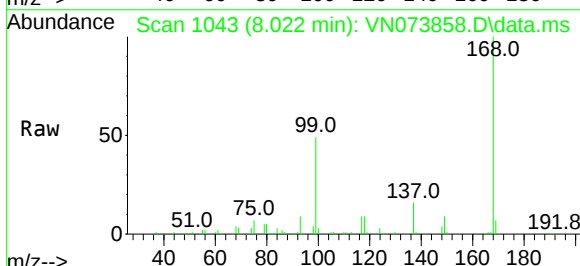
Delta R.T. 0.000 min

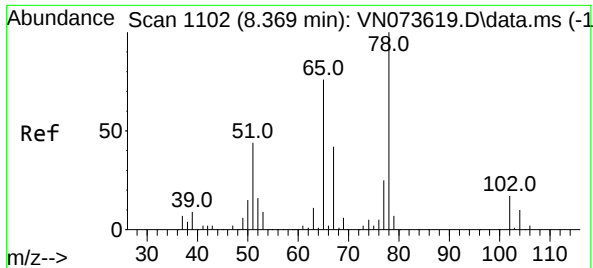
Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

Tgt Ion: 56 Resp: 8114

Ion	Ratio	Lower	Upper
56	100		
69	151.3	27.8	41.8#
84	154.8	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.565 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

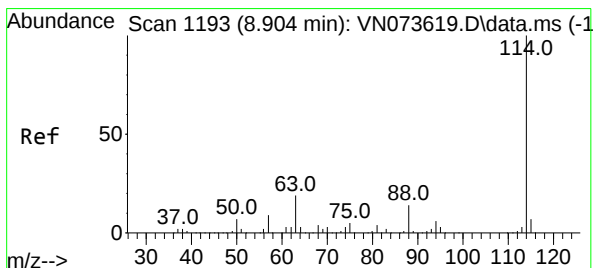
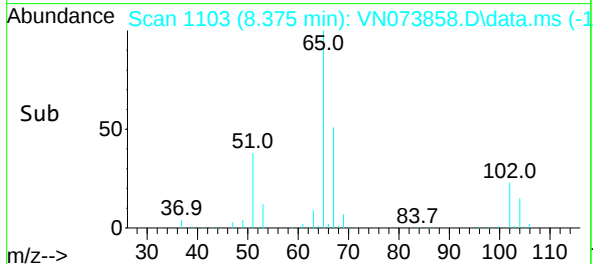
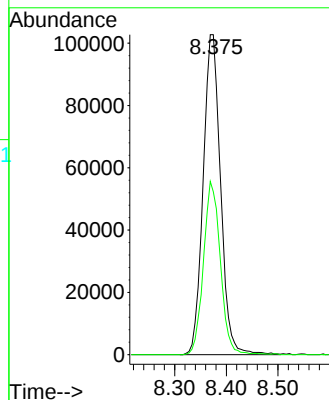
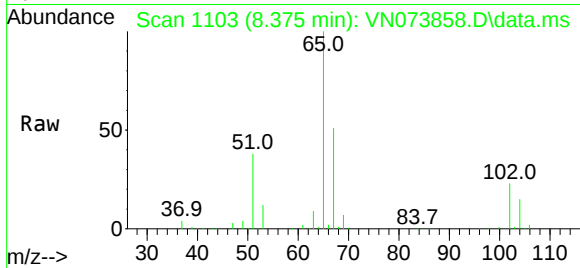
PB146944ZHE#05

Tgt Ion: 65 Resp: 240925

Ion Ratio Lower Upper

65 100

67 52.4 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: VN073858.D

Acq: 12 Aug 2022 17:52

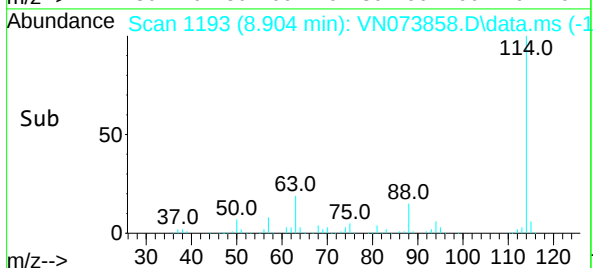
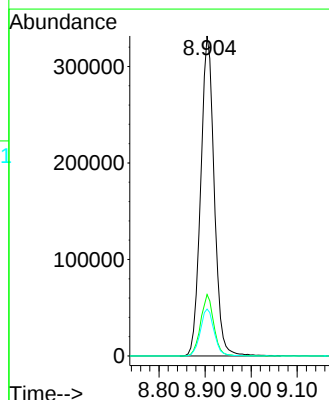
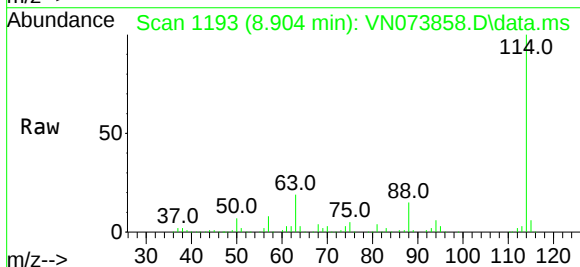
Tgt Ion: 114 Resp: 680615

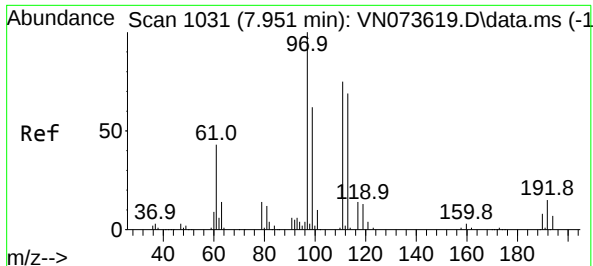
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.597 ug/l

RT: 7.957 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#05

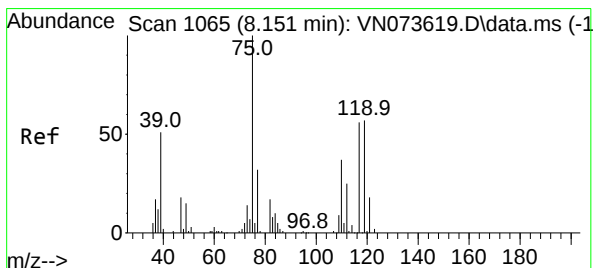
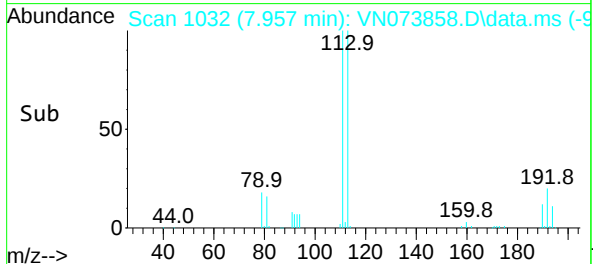
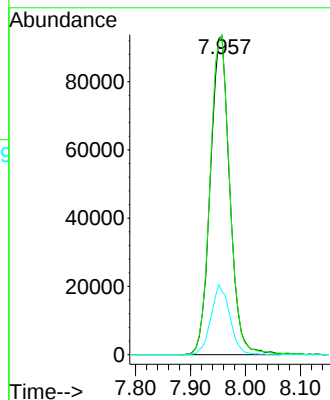
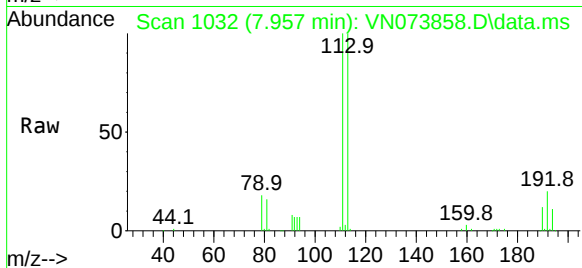
Tgt Ion:113 Resp: 229065

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

192 21.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.726 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

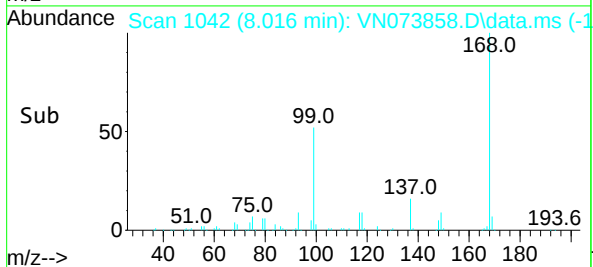
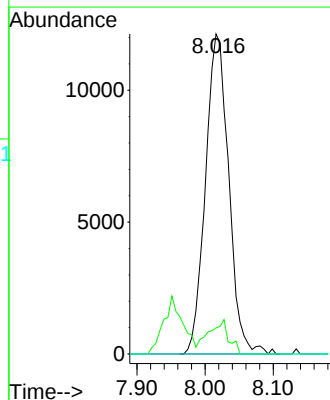
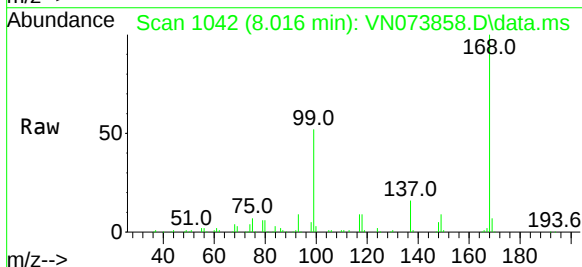
Tgt Ion: 75 Resp: 28786

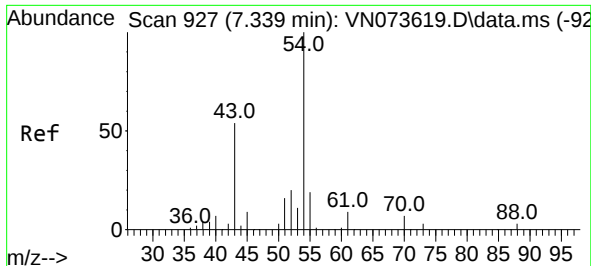
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

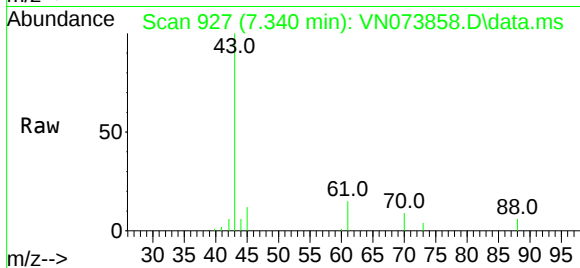
77 0.0 25.1 37.7#



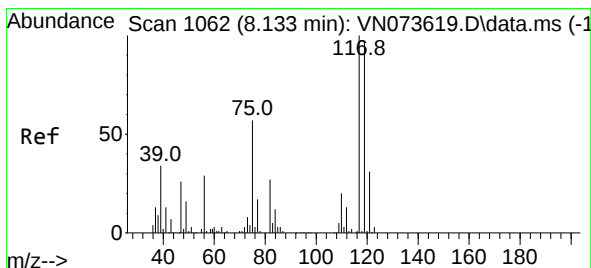
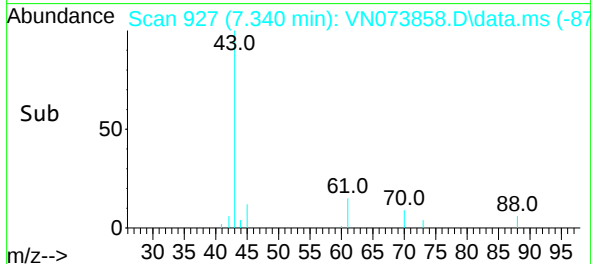
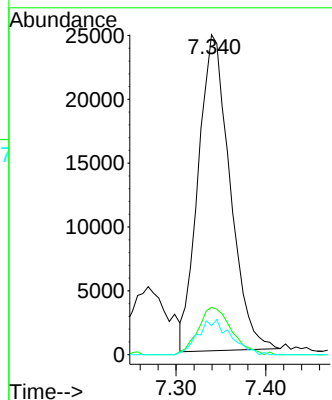


#37
Ethyl Acetate
Concen: 7.581 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

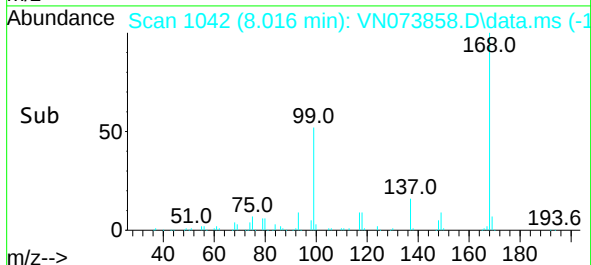
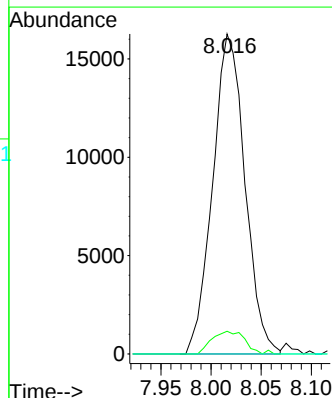
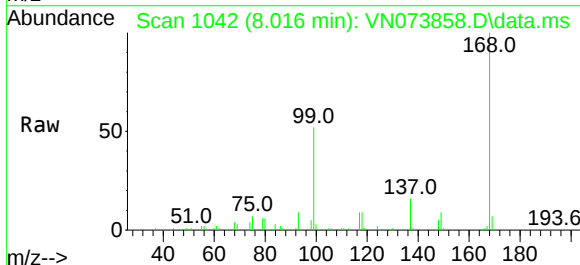


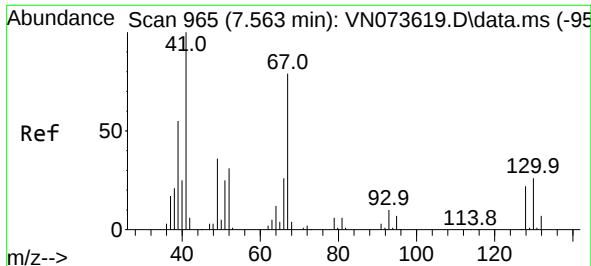
Tgt Ion:	43	Resp:	60816
Ion Ratio	Lower	Upper	
43	100		
61	15.8	11.8	17.6
70	11.4	9.3	13.9



#38
Carbon Tetrachloride
Concen: 5.878 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

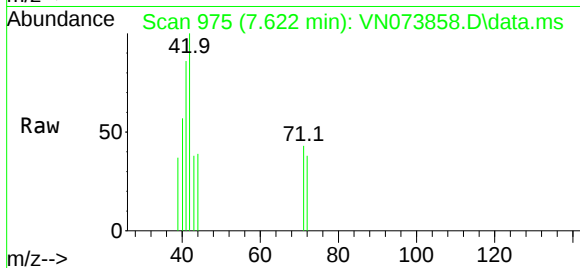
Tgt Ion:	117	Resp:	36364
Ion Ratio	Lower	Upper	
117	100		
119	7.1	75.8	113.8#
121	0.0	24.6	37.0#



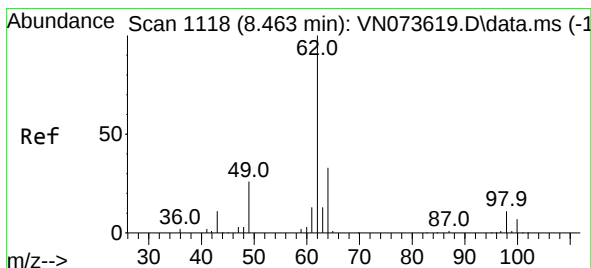
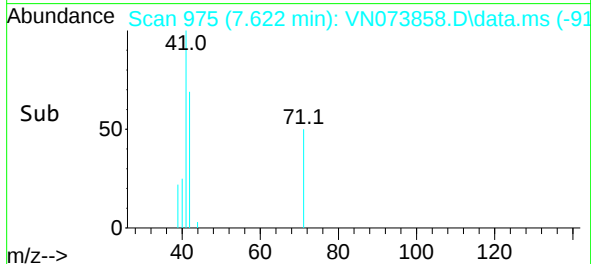
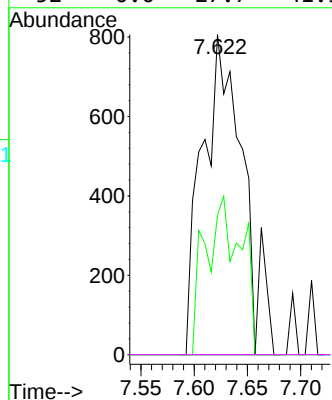


#41
Methacrylonitrile
Concen: 0.591 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

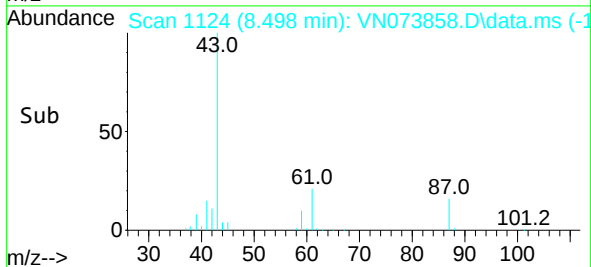
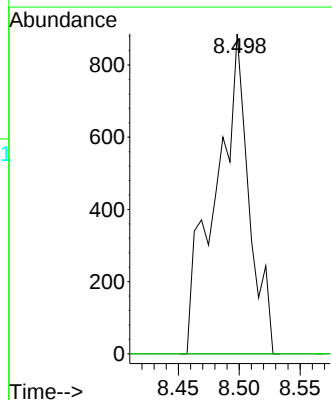
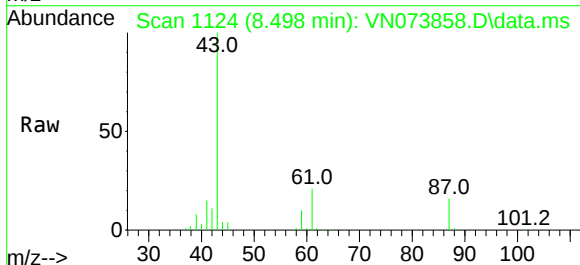


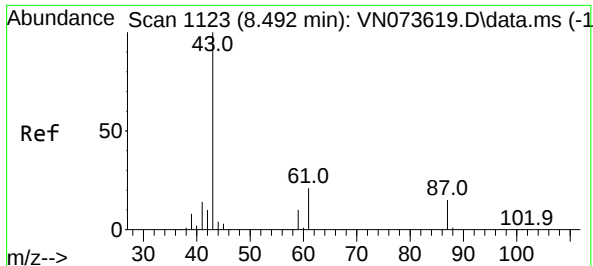
Tgt Ion: 41 Resp: 2147
Ion Ratio Lower Upper
41 100
39 43.7 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.254 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.035 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Tgt Ion: 62 Resp: 1691
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 23.222 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#05

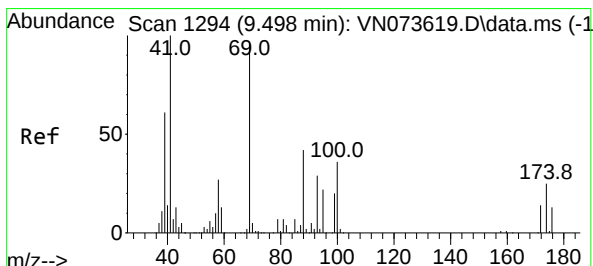
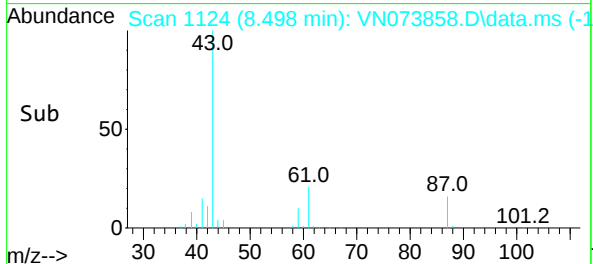
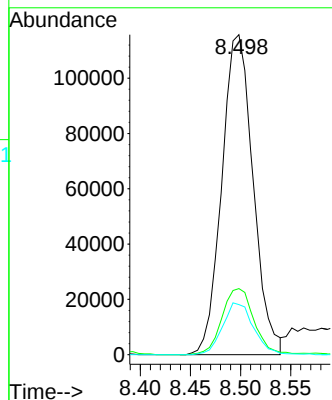
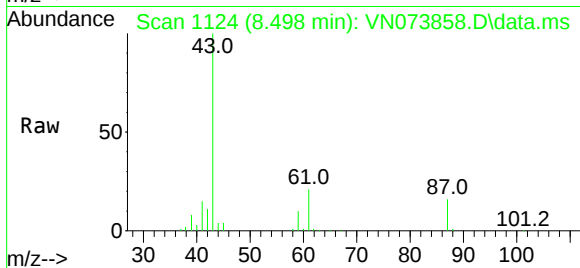
Tgt Ion: 43 Resp: 251615

Ion Ratio Lower Upper

43 100

61 21.1 21.9 32.9#

87 16.0 12.0 18.0



#48

Methyl methacrylate

Concen: 1.823 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

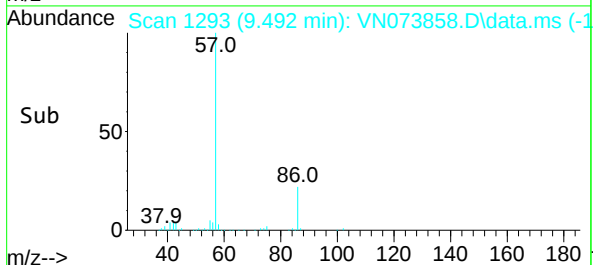
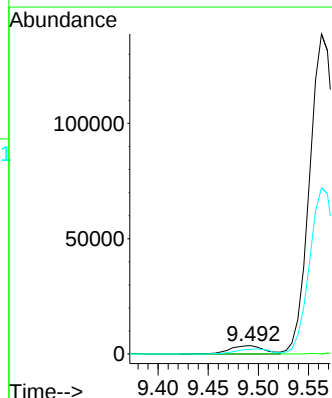
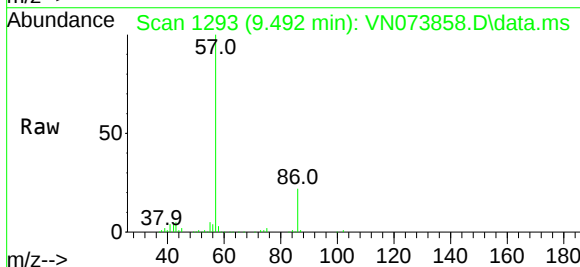
Tgt Ion: 41 Resp: 8644

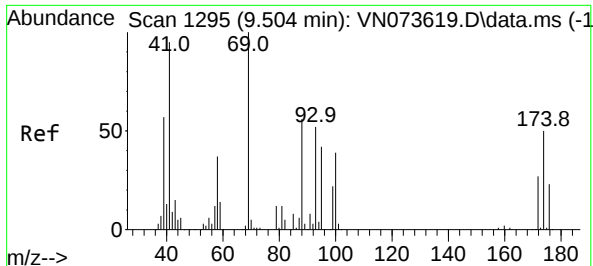
Ion Ratio Lower Upper

41 100

69 0.7 74.7 112.1#

39 58.5 45.6 68.4

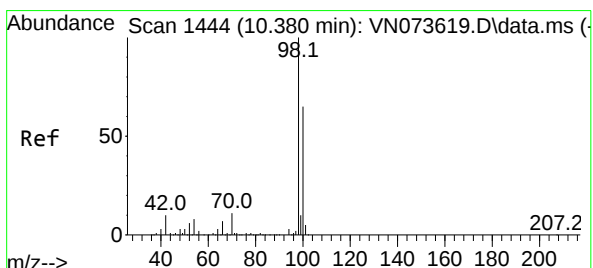
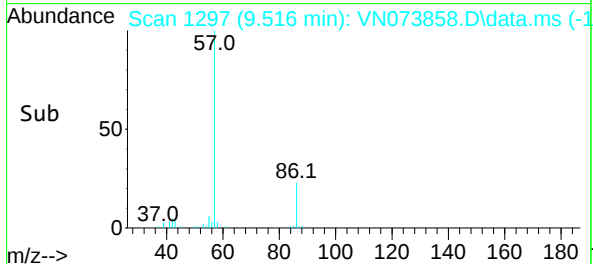
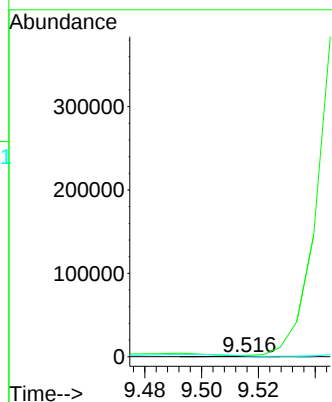
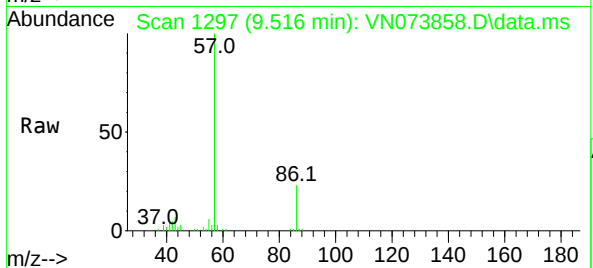




#49
1,4-Dioxane
Concen: 1.391 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

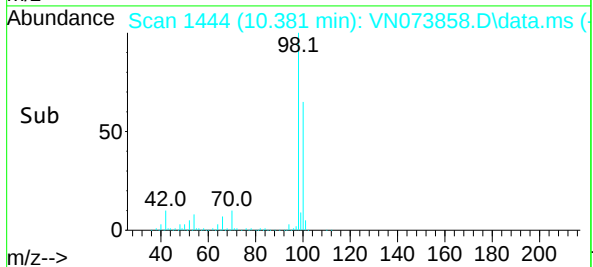
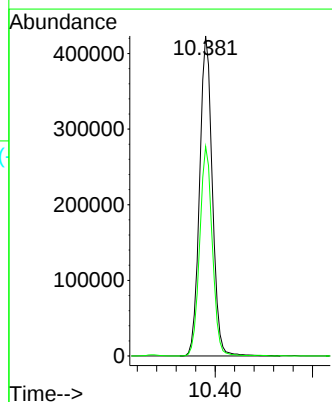
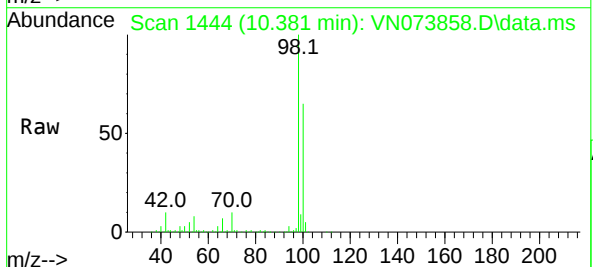
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

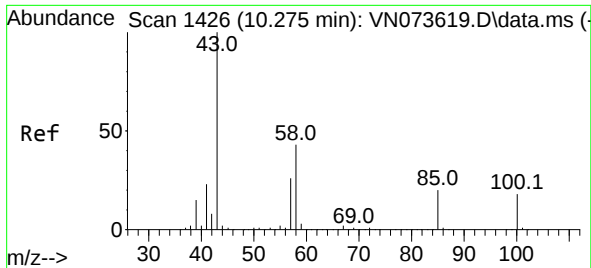
Tgt Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 3460.8 54.2 81.4#



#50
Toluene-d8
Concen: 45.656 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Tgt Ion: 98 Resp: 767838
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

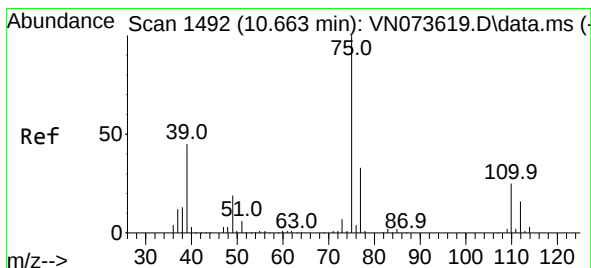
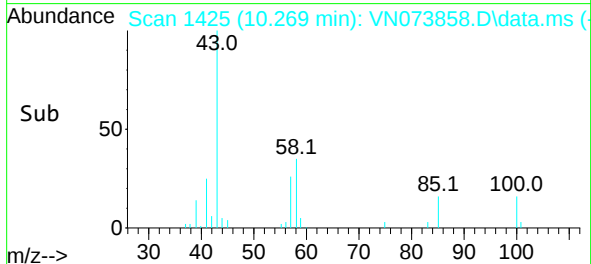
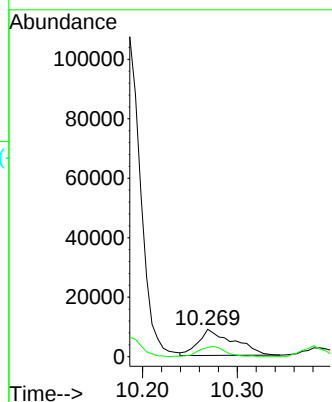
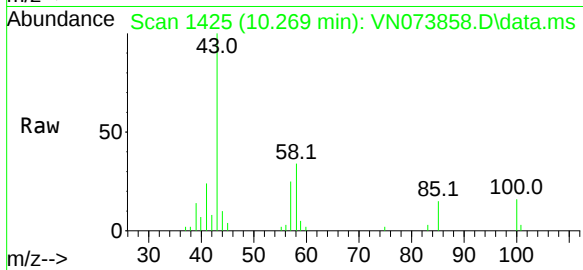




#51
4-Methyl-2-Pentanone
Concen: 2.894 ug/l
RT: 10.269 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

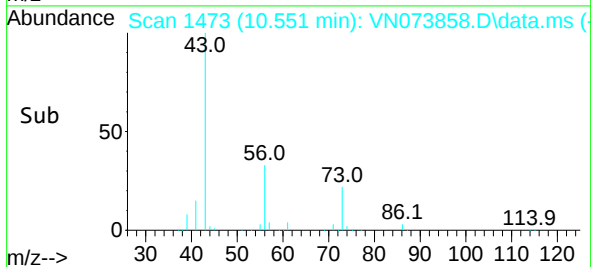
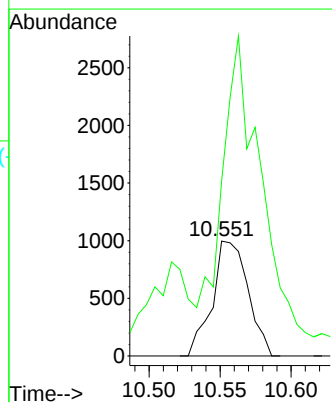
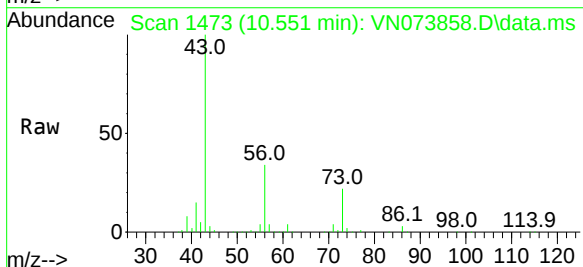
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

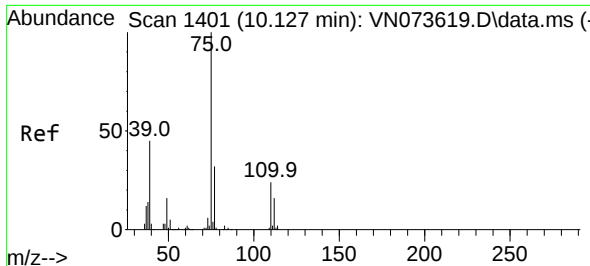
Tgt Ion: 43 Resp: 22490
Ion Ratio Lower Upper
43 100
58 30.1 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.268 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Tgt Ion: 75 Resp: 1744
Ion Ratio Lower Upper
75 100
77 93.0 25.6 38.4#

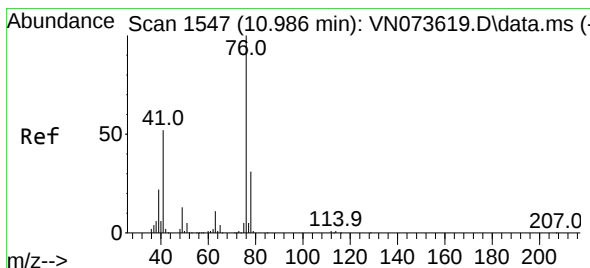
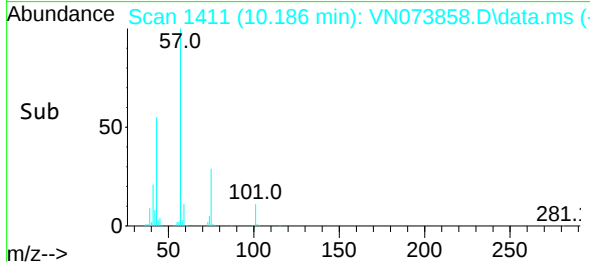
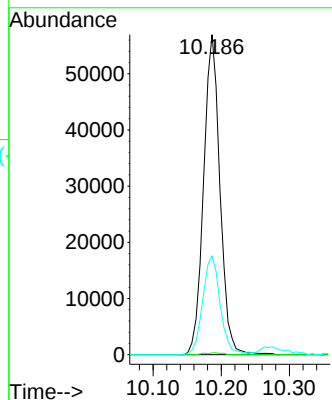
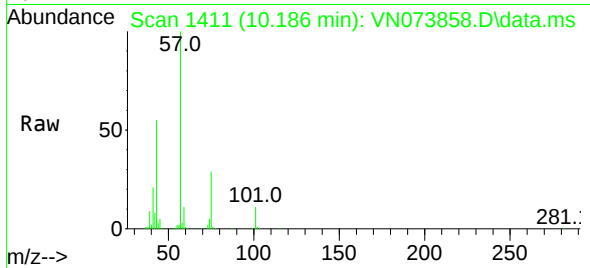




#54
cis-1,3-Dichloropropene
Concen: 12.977 ug/l
RT: 10.186 min Scan# 1401
Delta R.T. 0.059 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

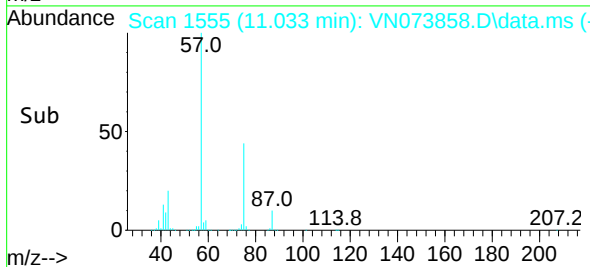
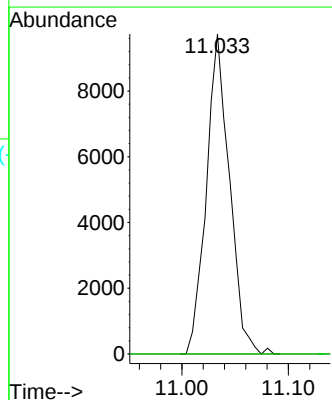
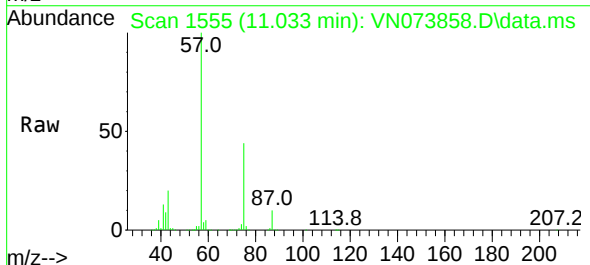
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

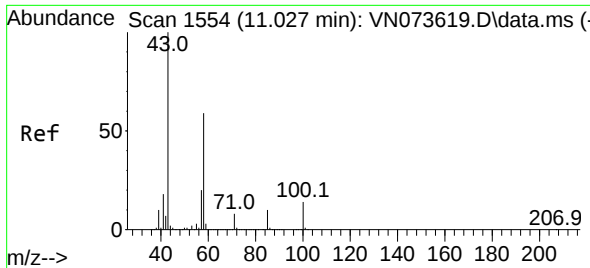
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.5	25.2	37.8#
39	30.8	35.7	53.5#



#57
1,3-Dichloropropane
Concen: 1.719 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

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

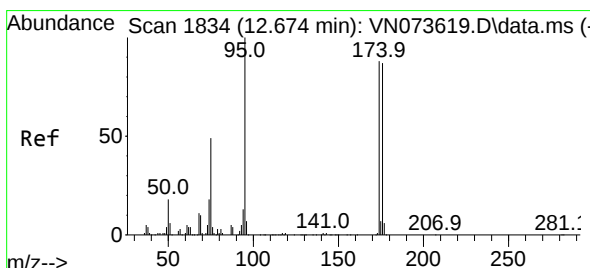
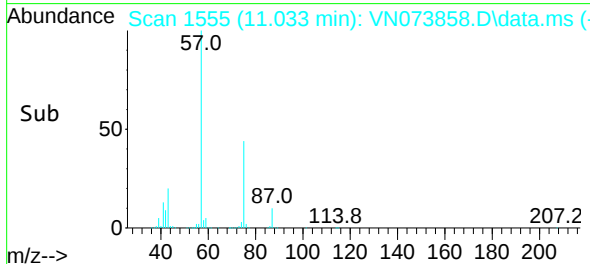
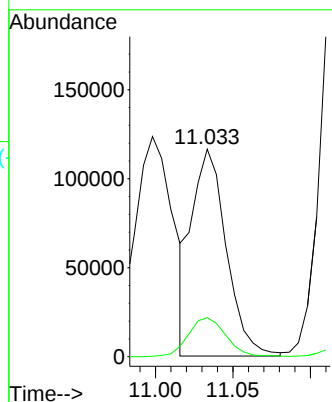
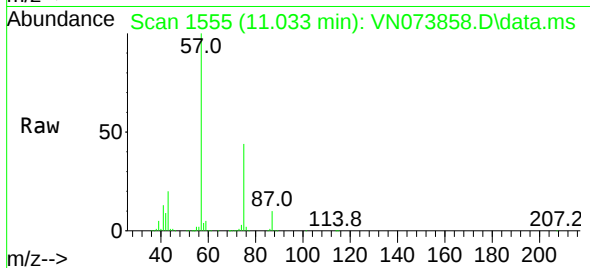




#59
2-Hexanone
Concen: 30.678 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

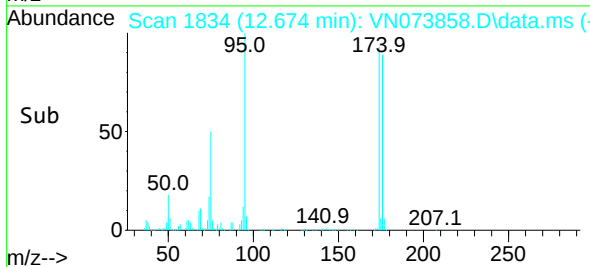
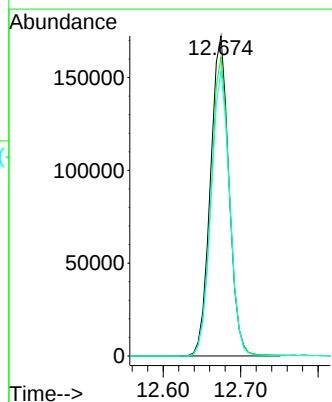
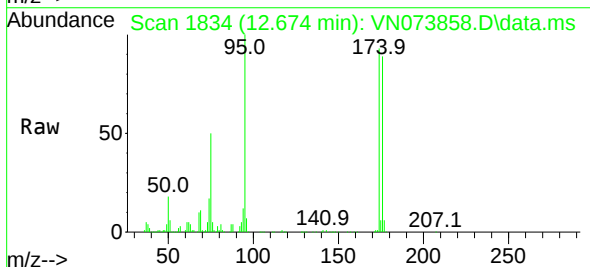
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

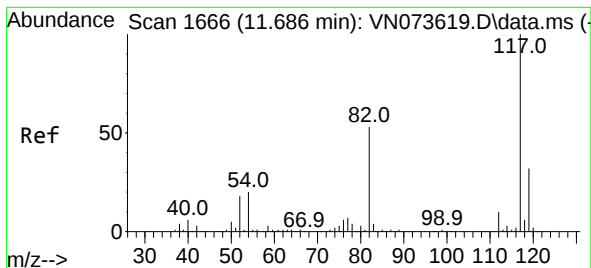
Tgt Ion: 43 Resp: 180629
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 48.627 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Tgt Ion: 95 Resp: 286620
Ion Ratio Lower Upper
95 100
174 93.1 0.0 167.6
176 88.6 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073858.D

Acq: 12 Aug 2022 17:52

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#05

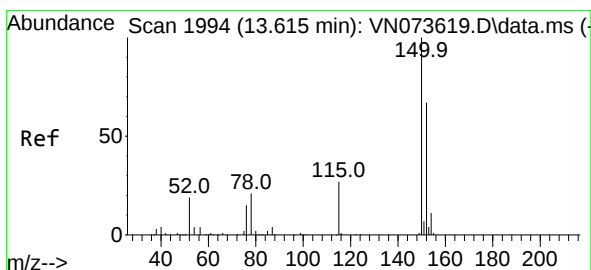
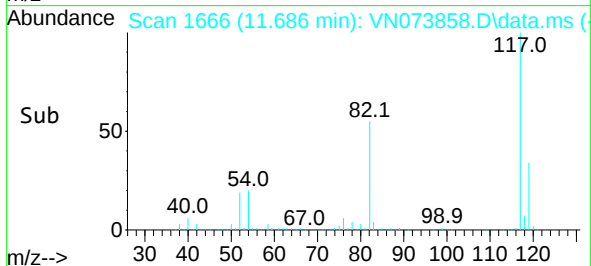
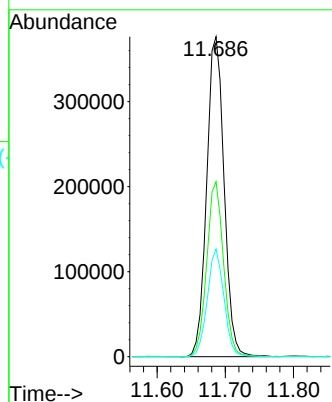
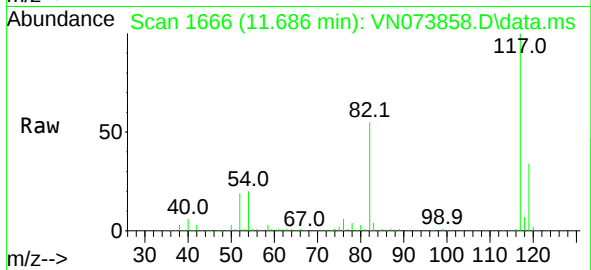
Tgt Ion:117 Resp: 667843

Ion Ratio Lower Upper

117 100

82 54.7 44.2 66.2

119 33.7 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: VN073858.D

Acq: 12 Aug 2022 17:52

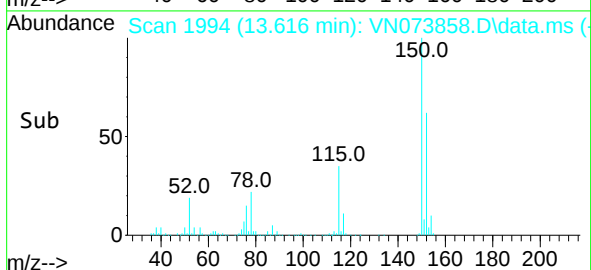
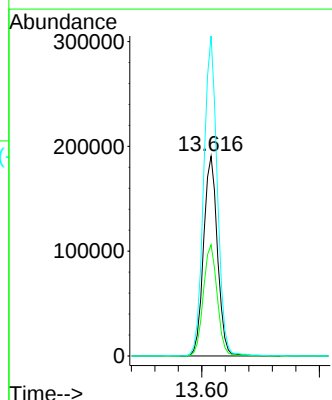
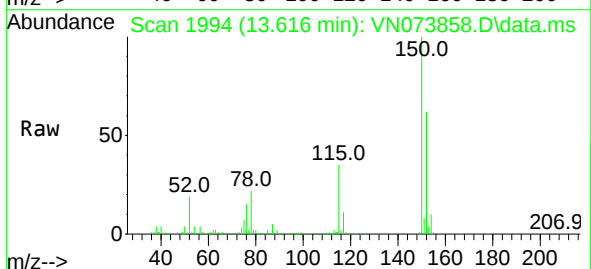
Tgt Ion:152 Resp: 312497

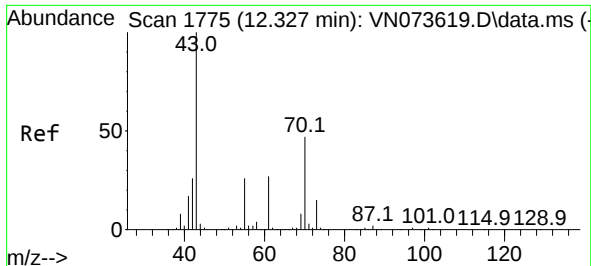
Ion Ratio Lower Upper

152 100

115 55.7 28.9 86.7

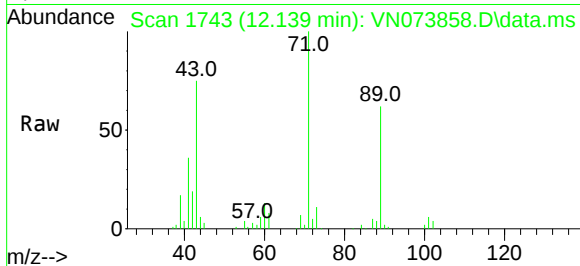
150 156.9 0.0 356.2



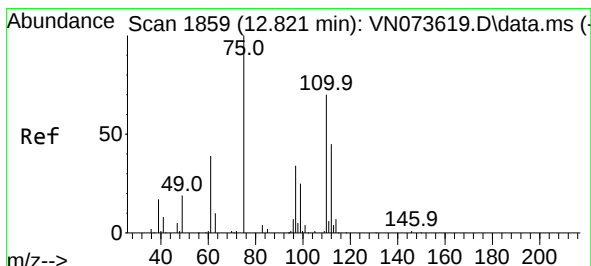
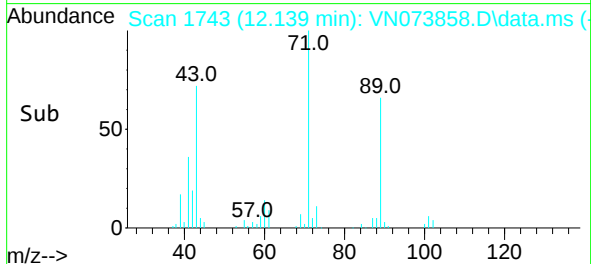
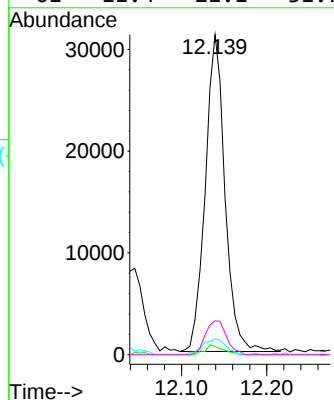


#74
N-amy1 acetate
Concen: 5.795 ug/l
RT: 12.139 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#05

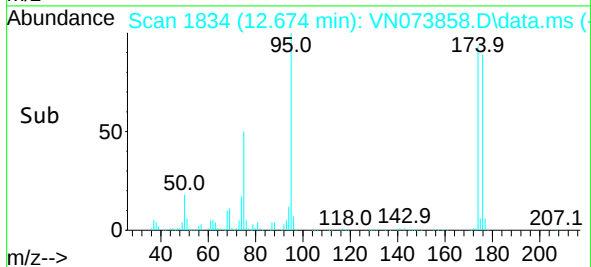
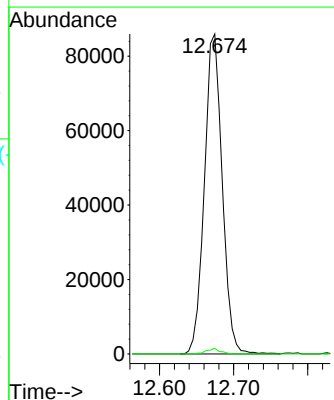
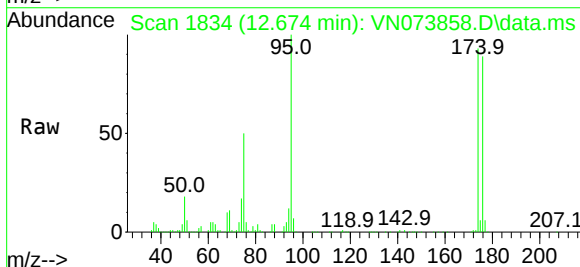


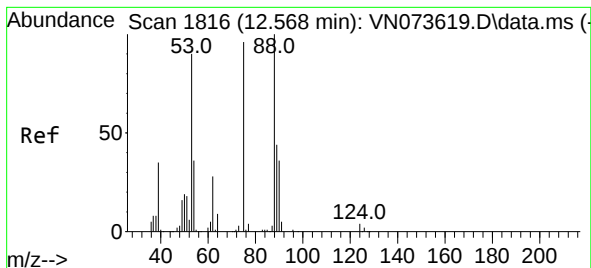
Tgt Ion: 43	Resp: 50085
Ion Ratio	Lower Upper
43	100
70	2.8 39.0 58.4#
55	5.8 21.1 31.7#
61	11.4 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.401 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073858.D
Acq: 12 Aug 2022 17:52

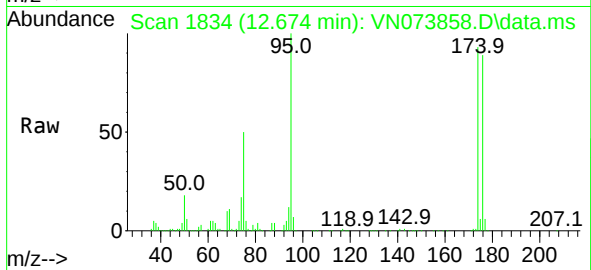
Tgt Ion: 75	Resp: 143783
Ion Ratio	Lower Upper
75	100
77	1.3 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.627 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073858.D
 Acq: 12 Aug 2022 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#05



Tgt Ion: 75 Resp: 143783

Ion	Ratio	Lower	Upper
75	100		
53	0.2	78.0	117.0#
89	0.0	37.2	55.8#

