

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073857.D
 Acq On : 12 Aug 2022 17:27
 Operator : JC\MD
 Sample : PB146944ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#04

Quant Time: Aug 13 05:04:02 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)

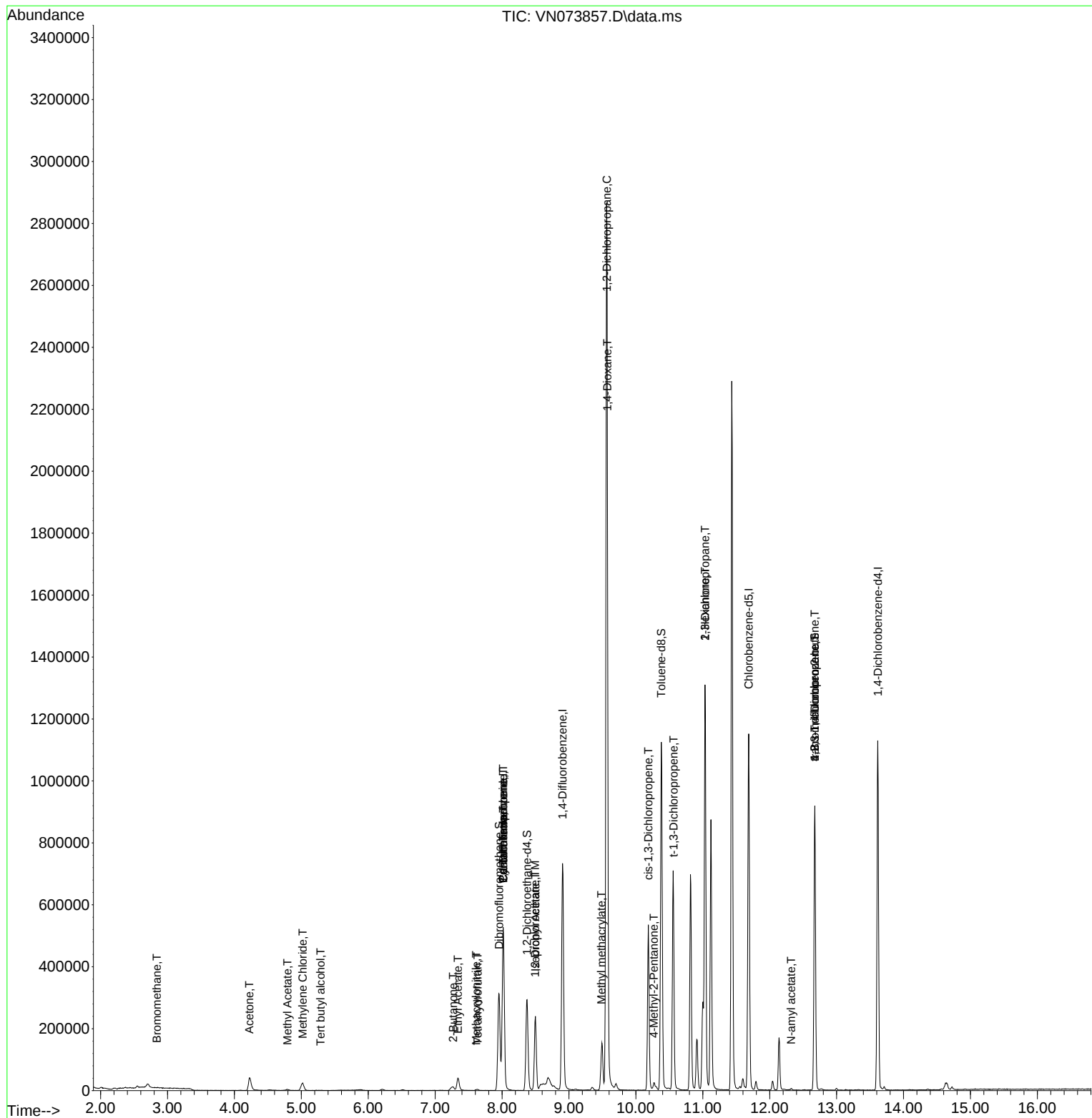
Internal Standards						
1) Pentafluorobenzene	8.016	168	422577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	688347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	696013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	326606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	246770	47.919	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.840%		
35) Dibromofluoromethane	7.957	113	233676	54.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.120%		
50) Toluene-d8	10.380	98	791651	46.543	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.080%		
62) 4-Bromofluorobenzene	12.674	95	298869	50.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.100%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	665	Below Cal		95
5) Bromomethane	2.840	94	1082	0.260 ug/l #		67
6) Chloroethane	2.969	64	651	Below Cal #		46
11) Tert butyl alcohol	5.287	59	598	0.538 ug/l #		72
16) Acetone	4.222	43	79194	28.631 ug/l		97
18) Methyl Acetate	4.793	43	6721	0.977 ug/l		96
20) Methylene Chloride	5.022	84	20172	2.410 ug/l		94
25) 2-Butanone	7.269	43	14475	3.370 ug/l		96
29) Tetrahydrofuran	7.634	42	2868	1.056 ug/l		99
31) Cyclohexane	8.016	56	7896	1.030 ug/l #		1
36) 1,1-Dichloropropene	8.016	75	30404	4.935 ug/l #		49
37) Ethyl Acetate	7.339	43	62677	7.725 ug/l		99
38) Carbon Tetrachloride	8.016	117	38803	6.202 ug/l #		19
41) Methacrylonitrile	7.616	41	1581	0.431 ug/l #		37
42) 1,2-Dichloroethane	8.492	62	1473	0.218 ug/l #		74
43) Isopropyl Acetate	8.498	43	253570	23.140 ug/l #		92
45) 1,2-Dichloropropane	9.569	63	3991	0.798 ug/l #		44
48) Methyl methacrylate	9.486	41	9370	1.953 ug/l #		39
49) 1,4-Dioxane	9.575	88	556	4.112 ug/l #		1
51) 4-Methyl-2-Pentanone	10.269	43	13509	1.719 ug/l		95
53) t-1,3-Dichloropropene	10.563	75	2144	0.326 ug/l #		1
54) cis-1,3-Dichloropropene	10.186	75	95985	12.945 ug/l #		65
57) 1,3-Dichloropropane	11.033	76	14787	1.710 ug/l #		43
59) 2-Hexanone	11.033	43	177014	29.726 ug/l #		50
74) N-amyl acetate	12.321	43	3224	0.357 ug/l #		39
76) 1,2,3-Trichloropropane	12.674	75	152959	23.881 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	152959	60.692 ug/l #		10

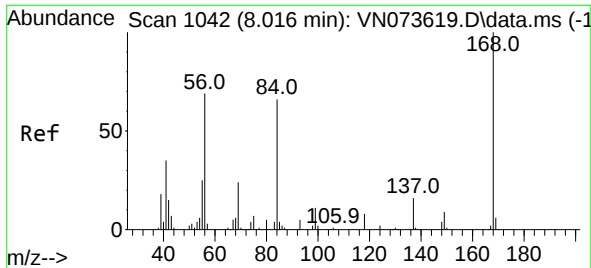
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
Data File : VN073857.D
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Sample : PB146944ZHE#04
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Quant Title : SW846 8260
QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration

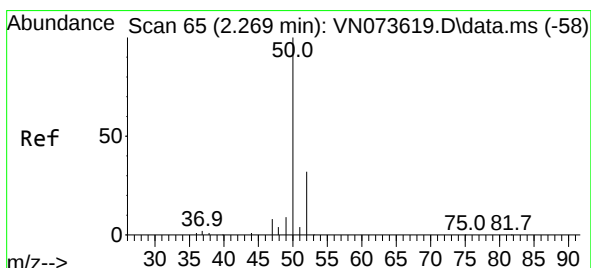
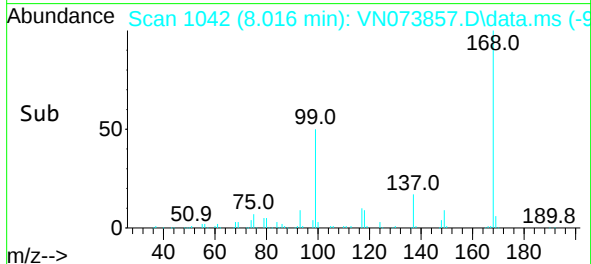
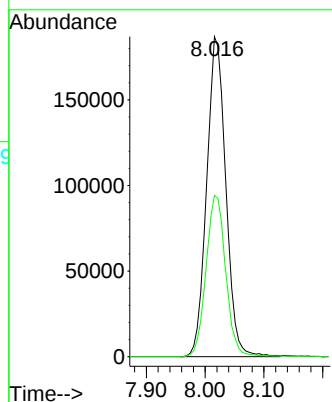
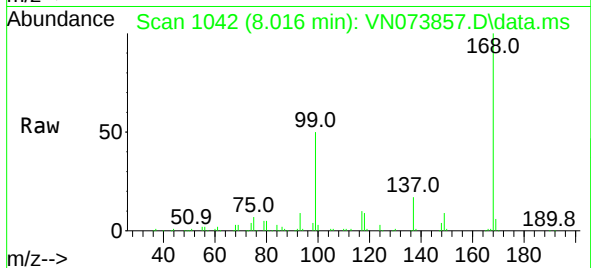




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

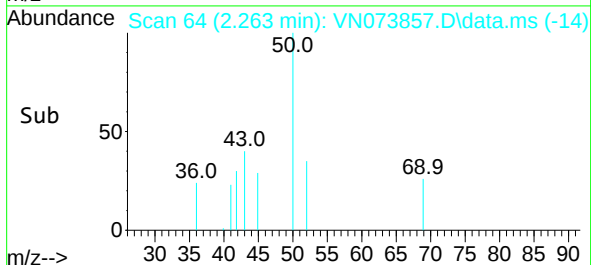
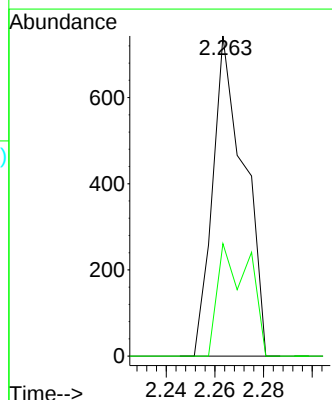
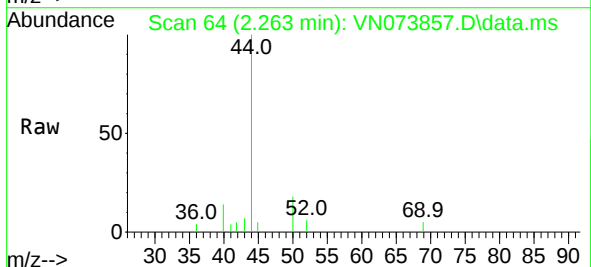
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

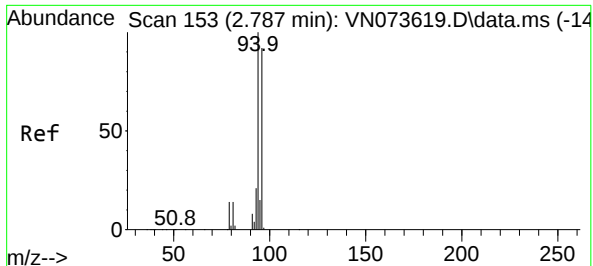
Tgt Ion:168 Resp: 422577
Ion Ratio Lower Upper
168 100
99 50.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 50 Resp: 665
Ion Ratio Lower Upper
50 100
52 35.1 25.7 38.5

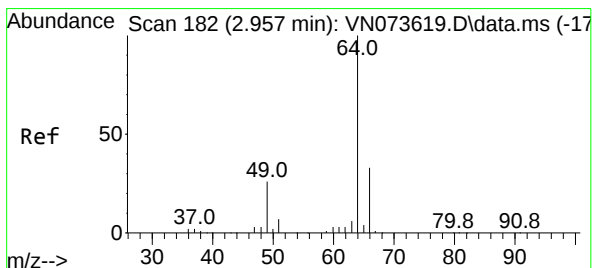
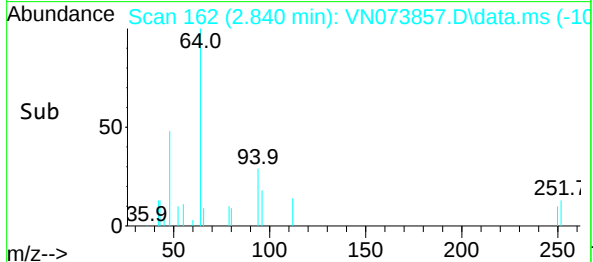
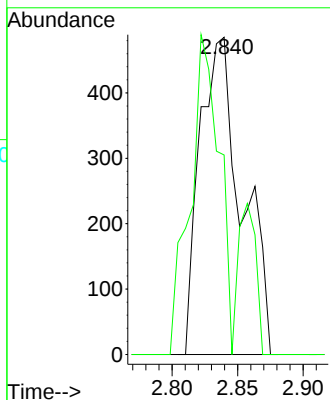
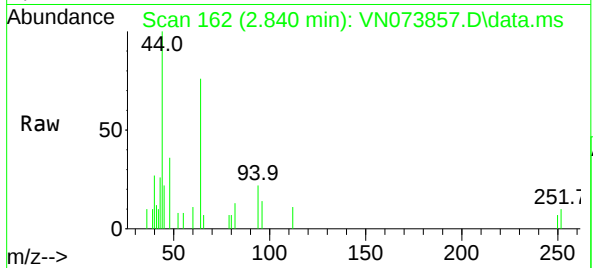




#5
Bromomethane
Concen: 0.260 ug/l
RT: 2.840 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

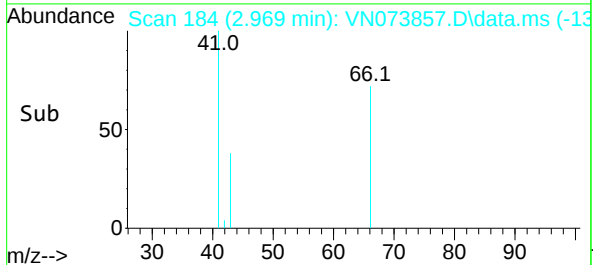
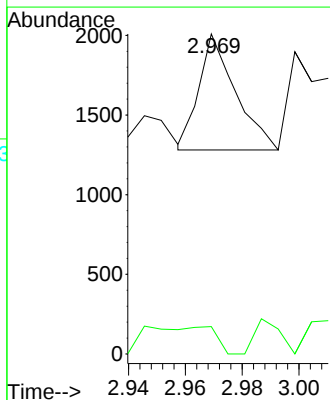
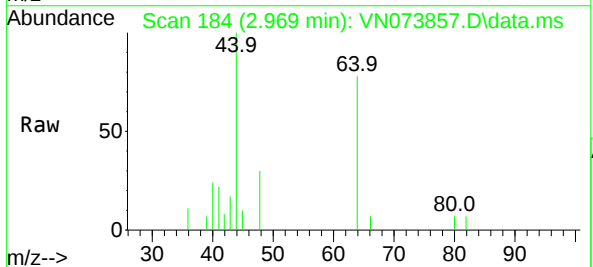
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

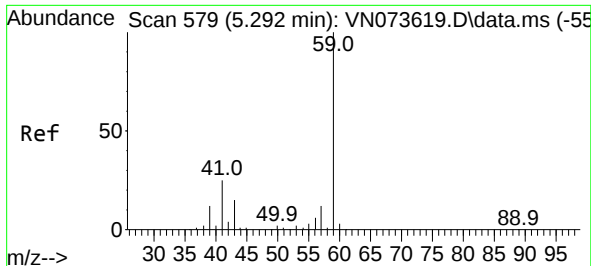
Tgt Ion: 94 Resp: 1082
Ion Ratio Lower Upper
94 100
96 62.9 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 184
Delta R.T. 0.012 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 64 Resp: 651
Ion Ratio Lower Upper
64 100
66 2.6 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.538 ug/l

RT: 5.287 min Scan# 51

Delta R.T. -0.005 min

Lab File: VN073857.D

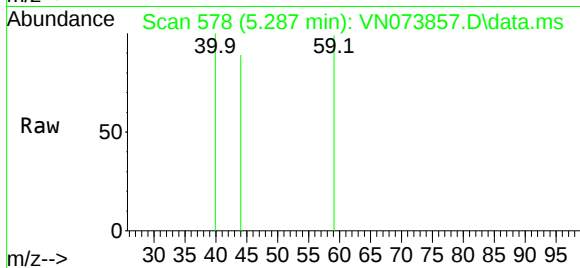
Acq: 12 Aug 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#04

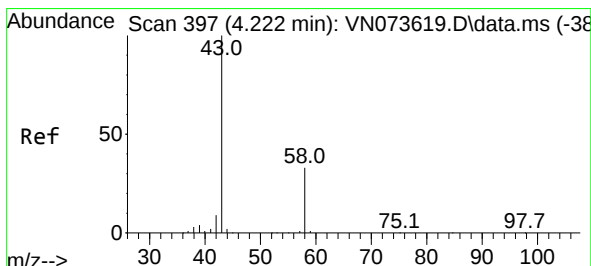
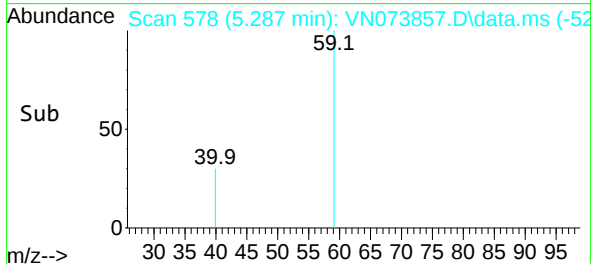
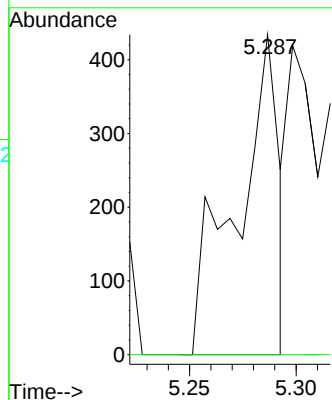


Tgt Ion: 59 Resp: 598

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 28.631 ug/l

RT: 4.222 min Scan# 397

Delta R.T. -0.000 min

Lab File: VN073857.D

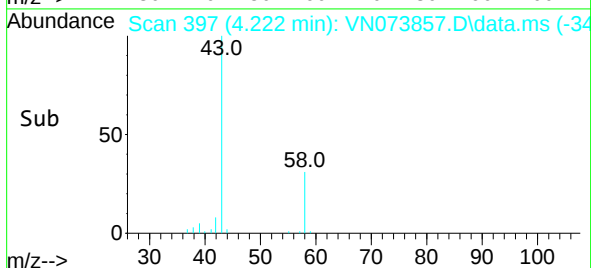
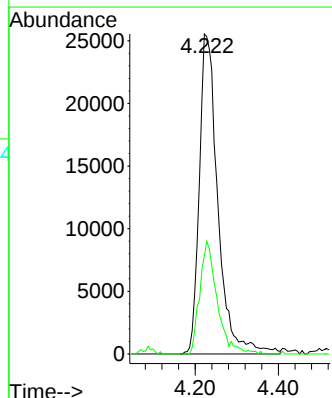
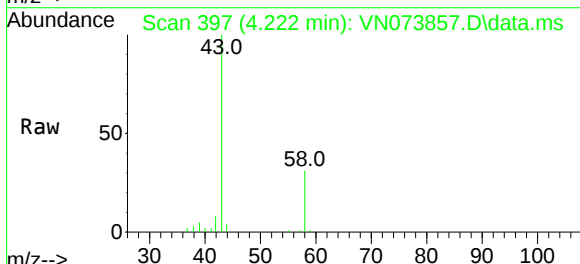
Acq: 12 Aug 2022 17:27

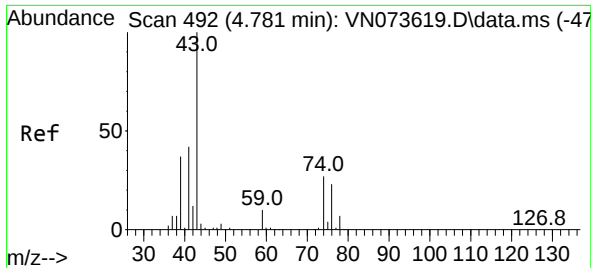
Tgt Ion: 43 Resp: 79194

Ion Ratio Lower Upper

43 100

58 30.8 26.0 39.0

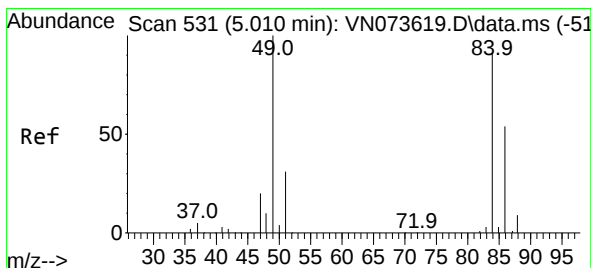
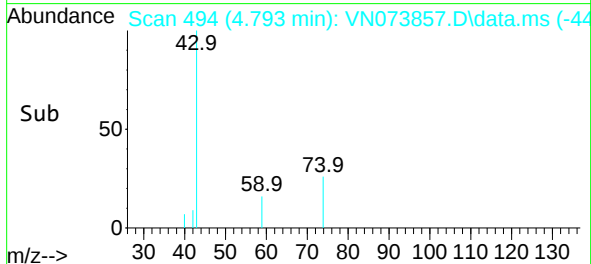
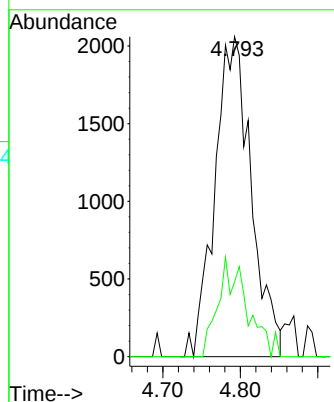
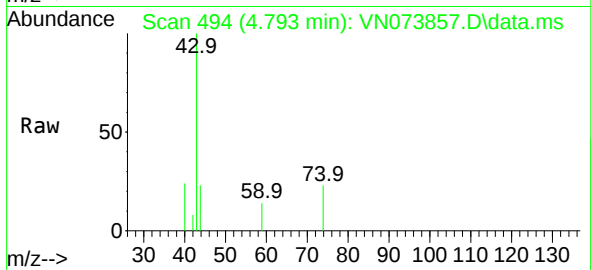




#18
Methyl Acetate
Concen: 0.977 ug/l
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

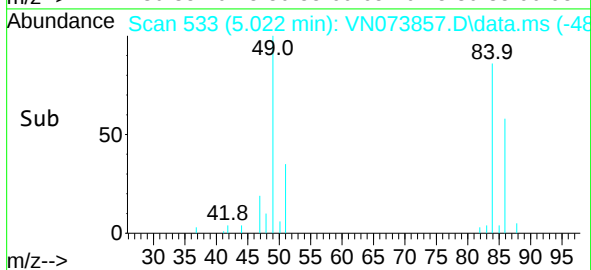
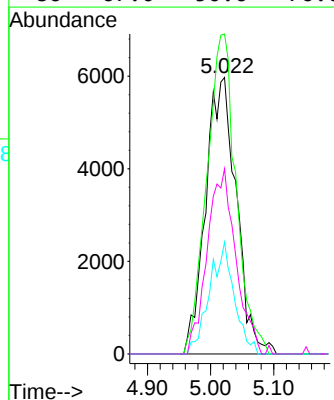
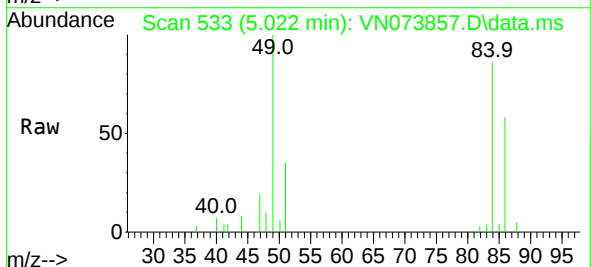
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

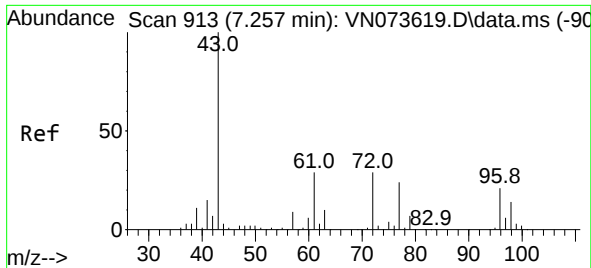
Tgt Ion: 43 Resp: 6721
Ion Ratio Lower Upper
43 100
74 25.0 21.6 32.4



#20
Methylene Chloride
Concen: 2.410 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 84 Resp: 20172
Ion Ratio Lower Upper
84 100
49 115.8 88.3 132.5
51 40.5 28.2 42.2
86 67.0 50.6 76.0

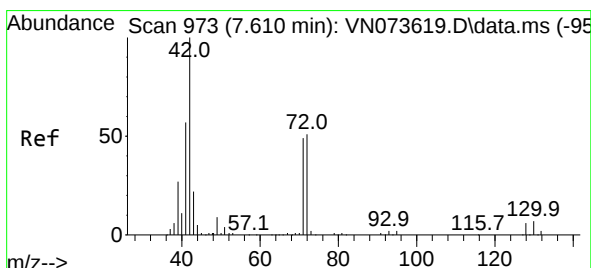
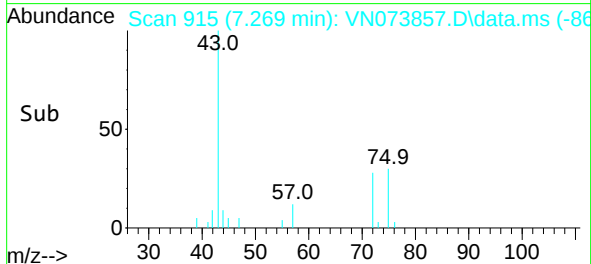
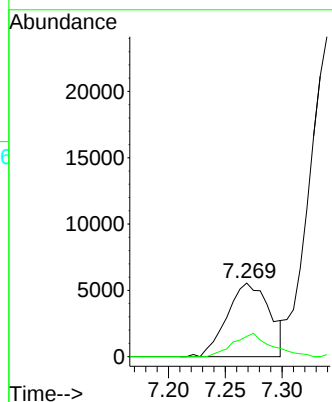
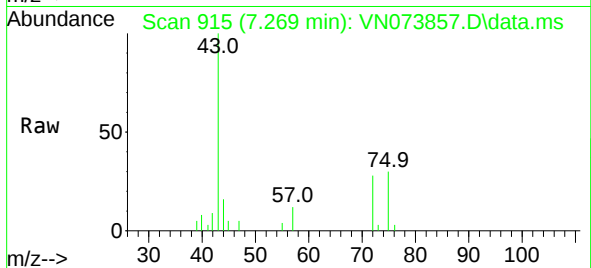




#25
2-Butanone
Concen: 3.370 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

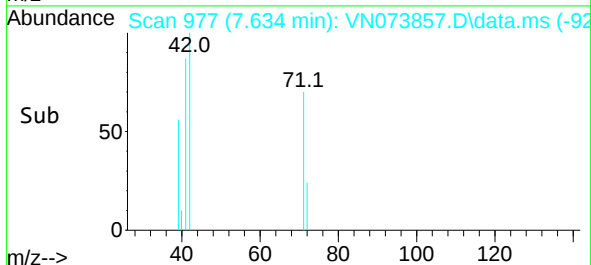
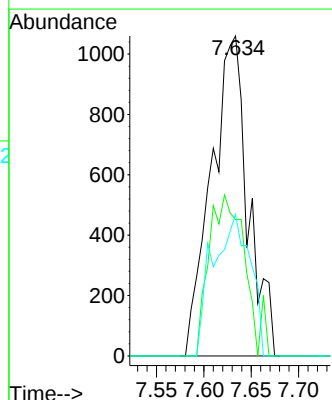
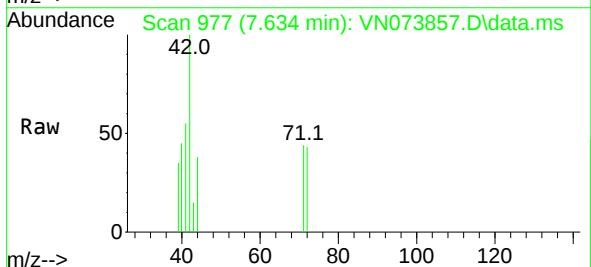
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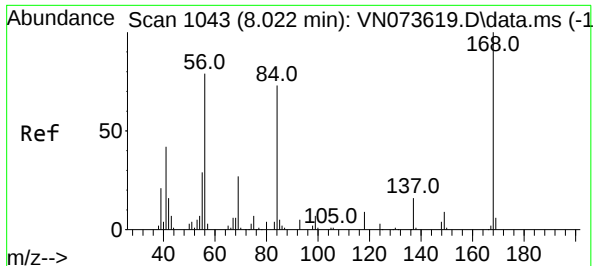
Tgt Ion: 43 Resp: 14475
Ion Ratio Lower Upper
43 100
72 27.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.056 ug/l
RT: 7.634 min Scan# 977
Delta R.T. 0.024 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 42 Resp: 2868
Ion Ratio Lower Upper
42 100
72 49.2 39.7 59.5
71 44.9 36.6 55.0

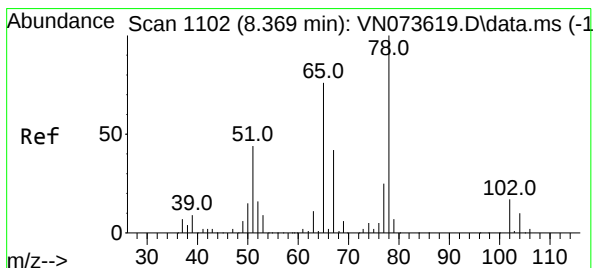
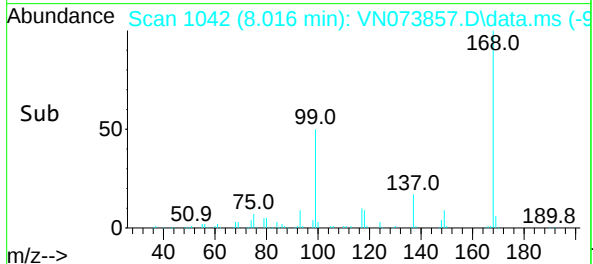
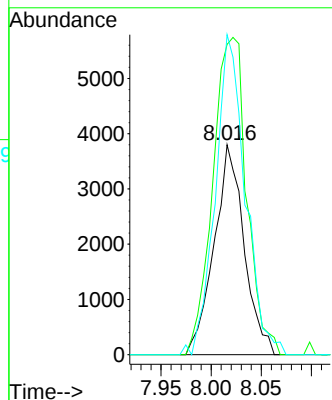
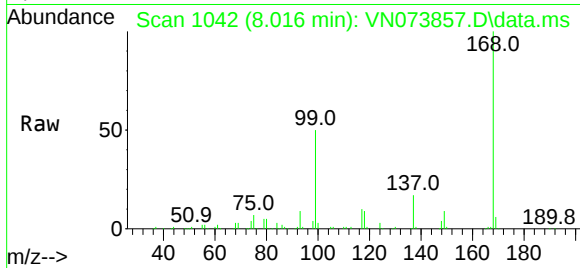




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

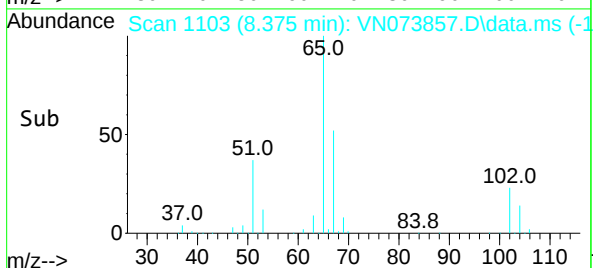
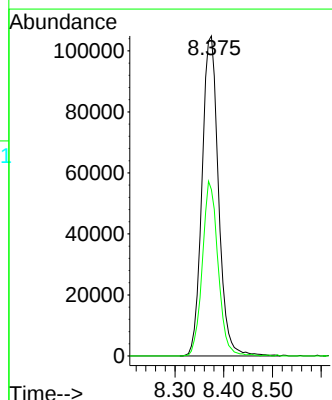
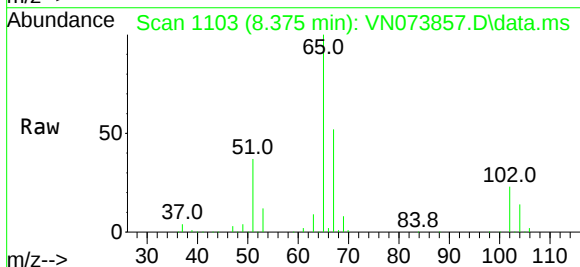
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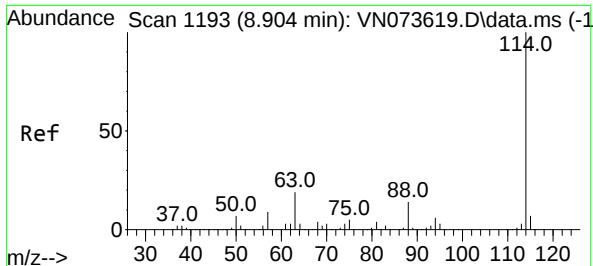
Tgt Ion: 56 Resp: 7896
Ion Ratio Lower Upper
56 100
69 147.8 27.8 41.8#
84 160.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.919 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 65 Resp: 246770
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8

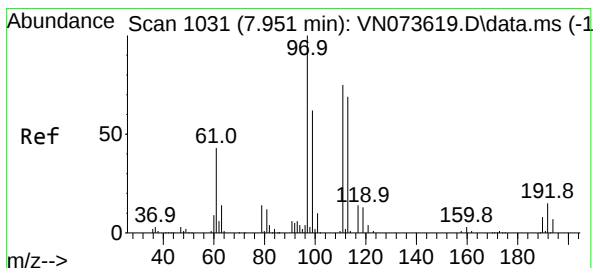
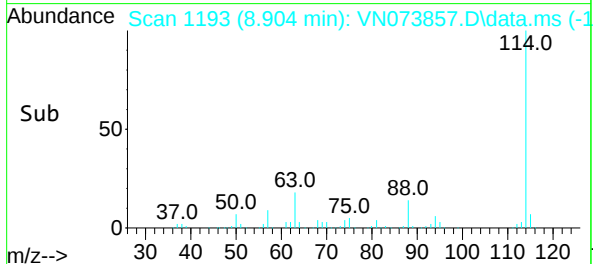
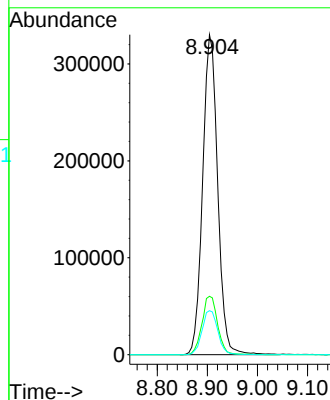
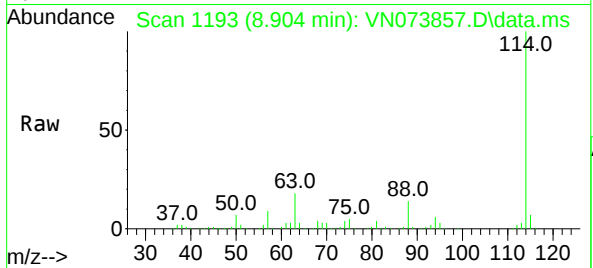




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

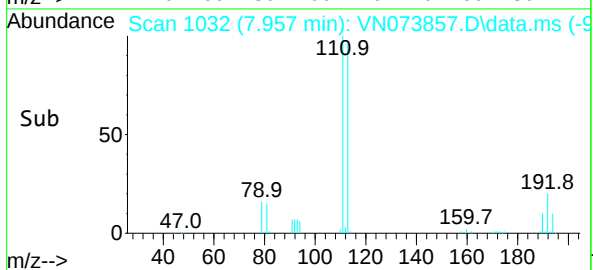
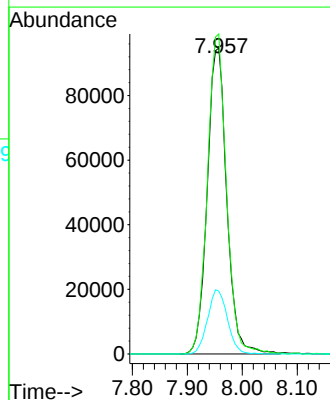
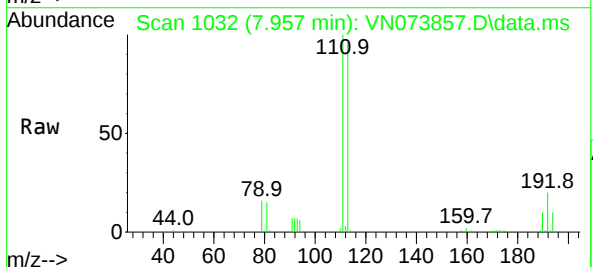
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

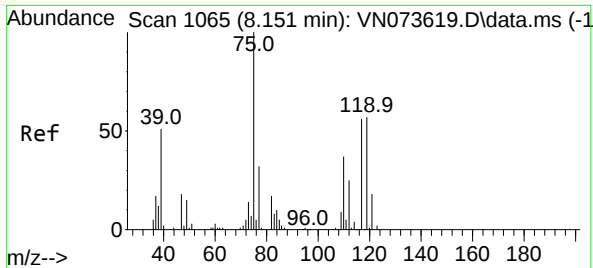
Tgt Ion:114 Resp: 688347
Ion Ratio Lower Upper
114 100
63 18.3 0.0 40.0
88 13.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.062 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion:113 Resp: 233676
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 21.3 17.0 25.6

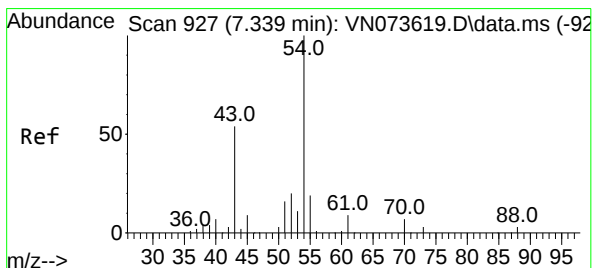
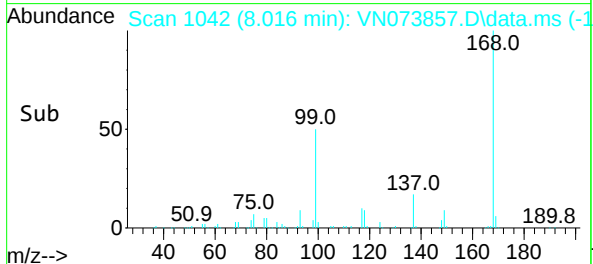
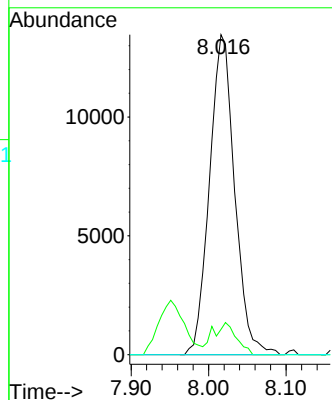
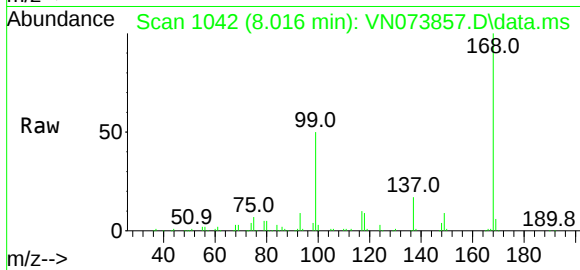




#36
1,1-Dichloropropene
Concen: 4.935 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

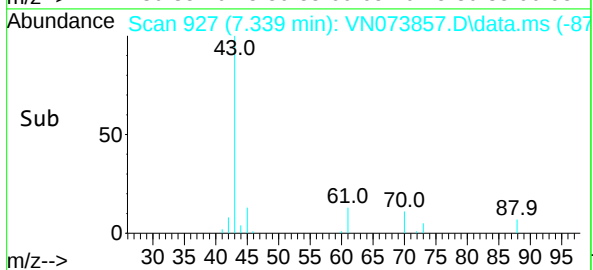
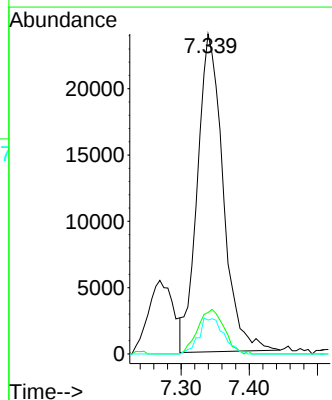
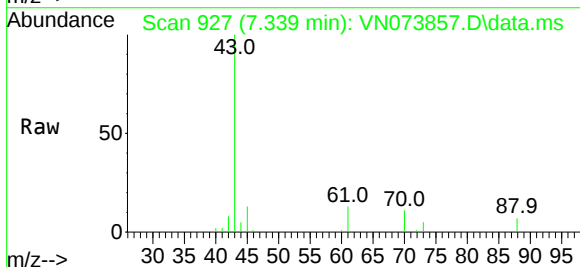
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

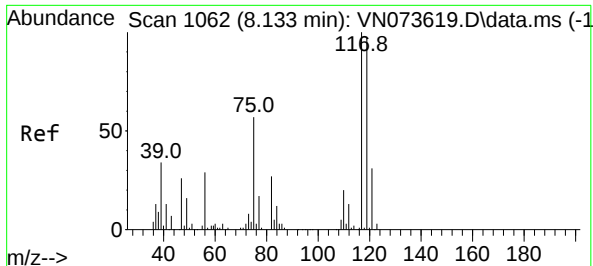
Tgt Ion: 75 Resp: 30404
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.725 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 43 Resp: 62677
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 11.0 9.3 13.9

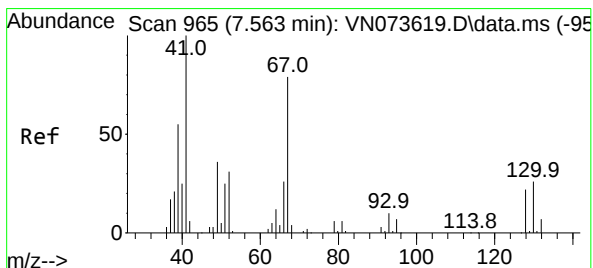
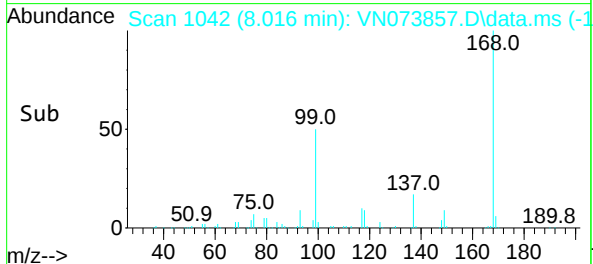
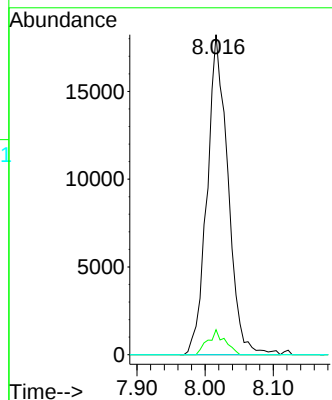
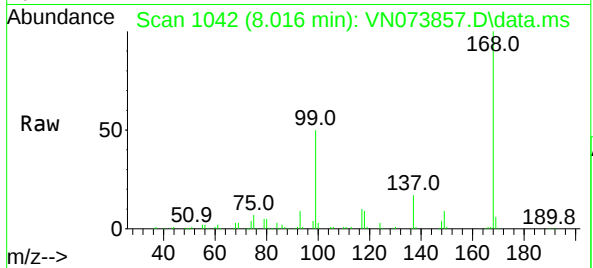




#38
Carbon Tetrachloride
Concen: 6.202 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

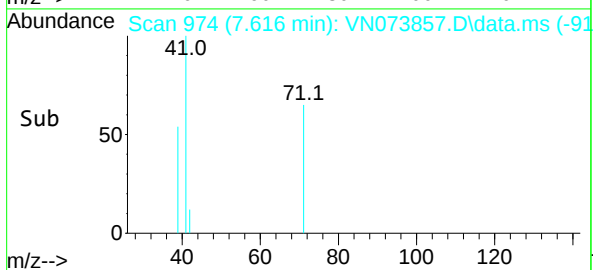
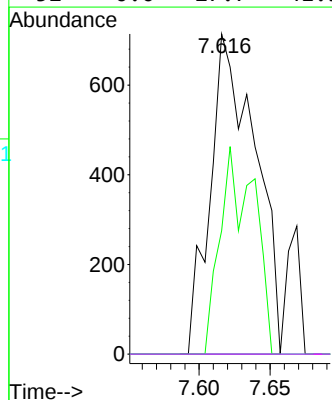
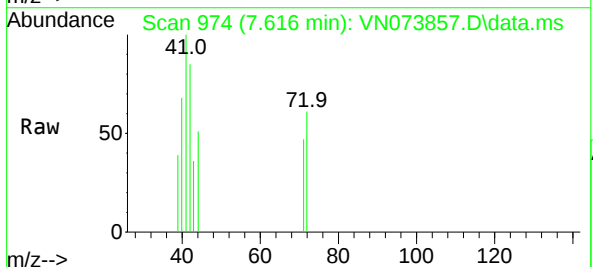
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

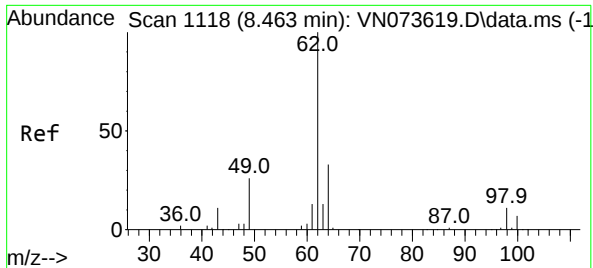
Tgt Ion:117 Resp: 38803
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.431 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.053 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 41 Resp: 1581
Ion Ratio Lower Upper
41 100
39 48.8 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 8.492 min Scan# 1118

Delta R.T. 0.029 min

Lab File: VN073857.D

Acq: 12 Aug 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

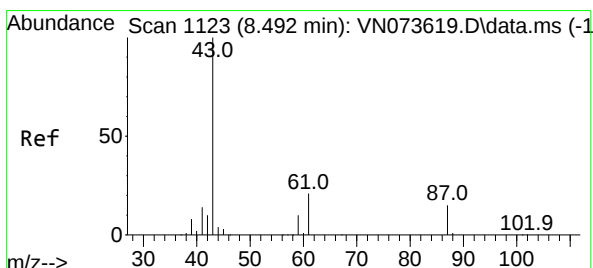
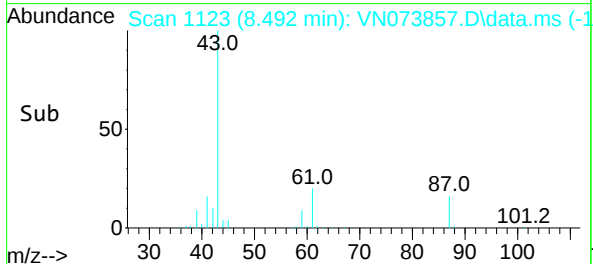
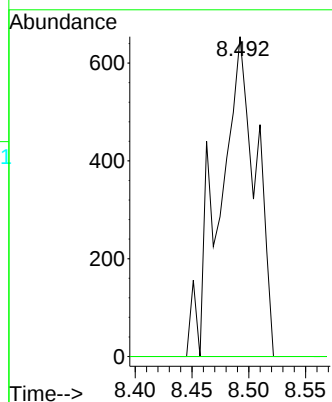
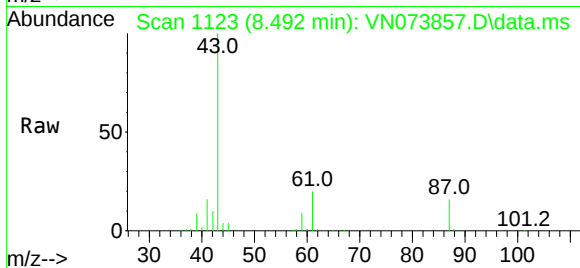
PB146944ZHE#04

Tgt Ion: 62 Resp: 1473

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 23.140 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073857.D

Acq: 12 Aug 2022 17:27

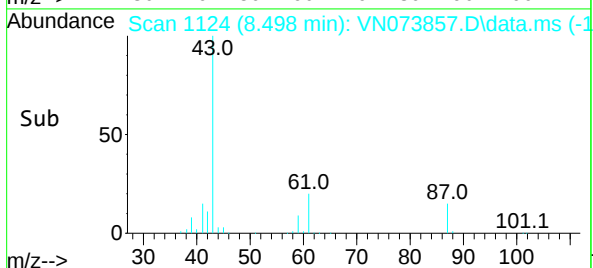
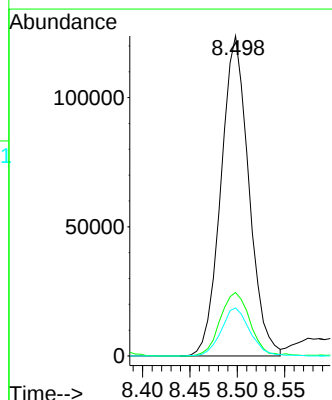
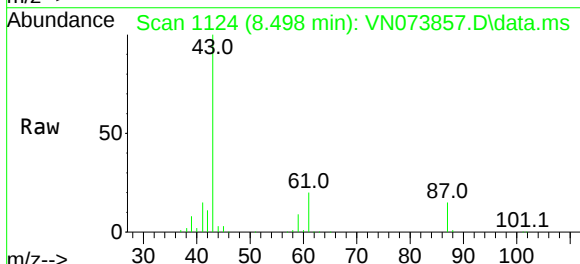
Tgt Ion: 43 Resp: 253570

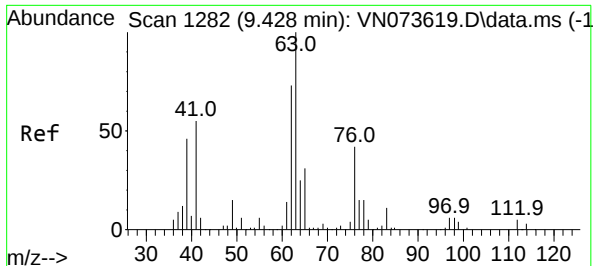
Ion Ratio Lower Upper

43 100

61 21.3 21.9 32.9#

87 15.5 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.798 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.141 min

Lab File: VN073857.D

Acq: 12 Aug 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

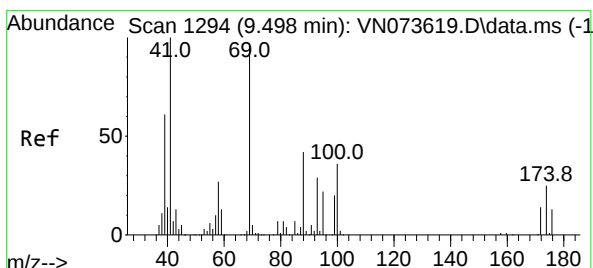
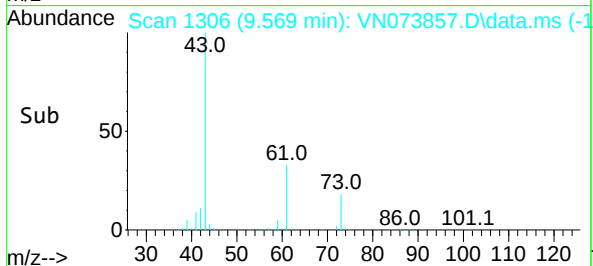
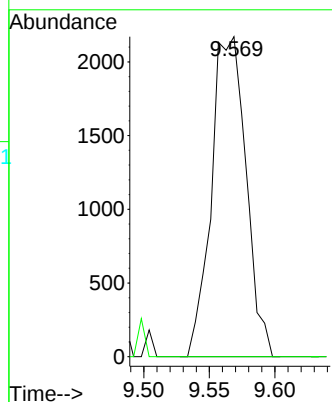
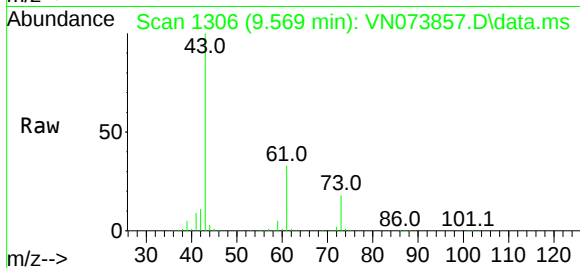
PB146944ZHE#04

Tgt Ion: 63 Resp: 3991

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.953 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073857.D

Acq: 12 Aug 2022 17:27

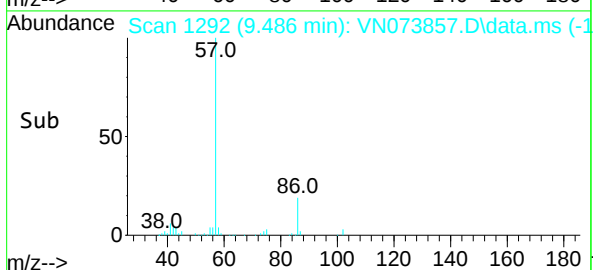
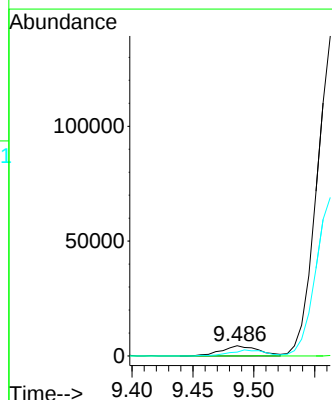
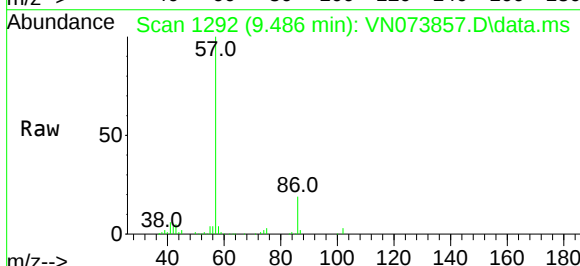
Tgt Ion: 41 Resp: 9370

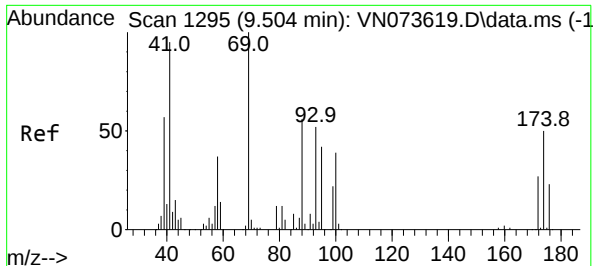
Ion Ratio Lower Upper

41 100

69 0.6 74.7 112.1#

39 55.6 45.6 68.4





#49

1,4-Dioxane

Concen: 4.112 ug/l

RT: 9.575 min Scan# 11

Delta R.T. 0.071 min

Lab File: VN073857.D

Acq: 12 Aug 2022 17:27

Instrument :

MSVOA_N

ClientSampleId :

PB146944ZHE#04

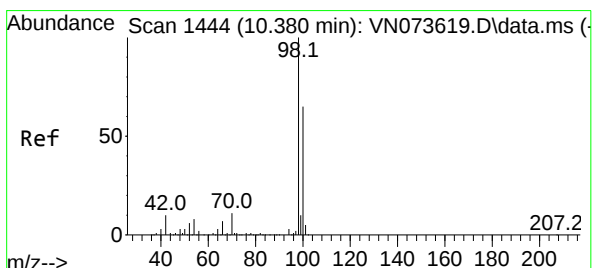
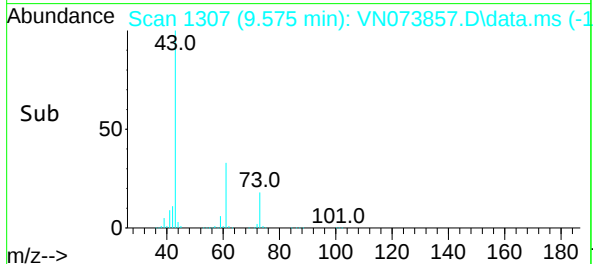
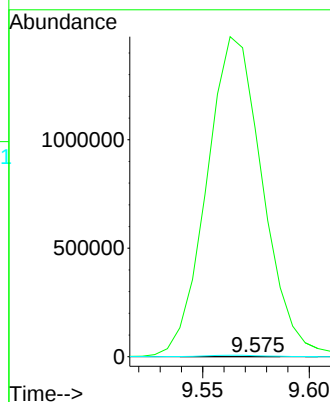
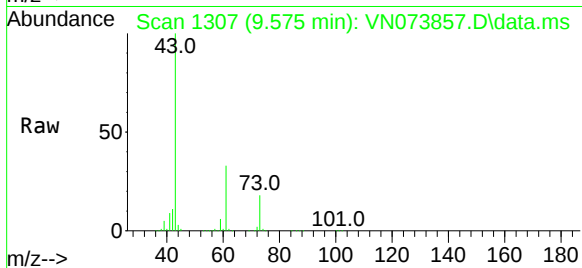
Tgt Ion: 88 Resp: 556

Ion Ratio Lower Upper

88 100

43 490287.9 20.2 30.4#

58 2446.8 54.2 81.4#



#50

Toluene-d8

Concen: 46.543 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN073857.D

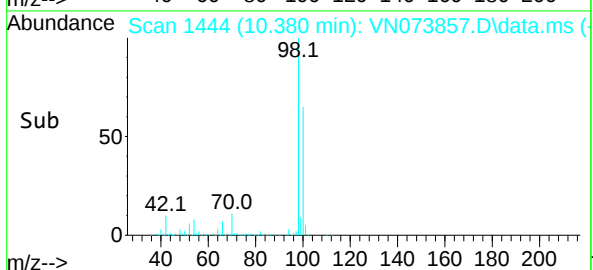
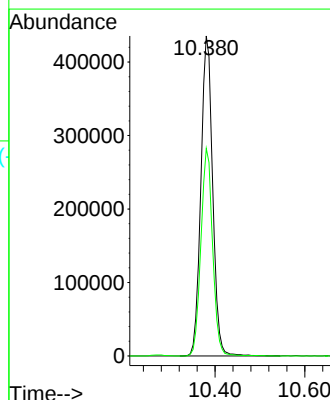
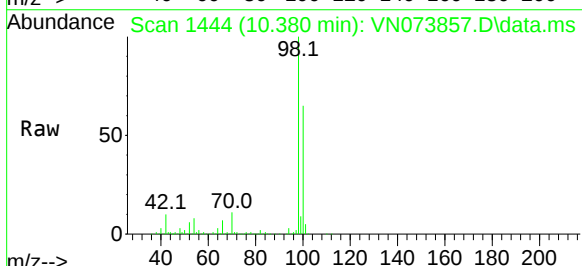
Acq: 12 Aug 2022 17:27

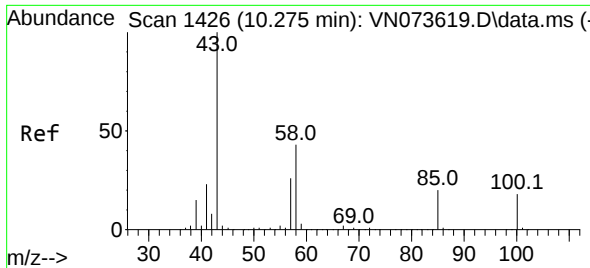
Tgt Ion: 98 Resp: 791651

Ion Ratio Lower Upper

98 100

100 64.4 52.6 78.8

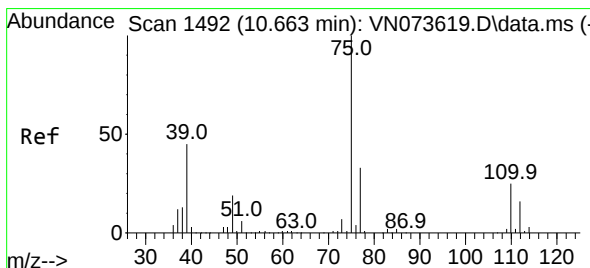
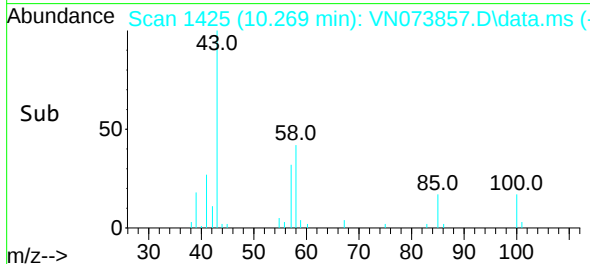
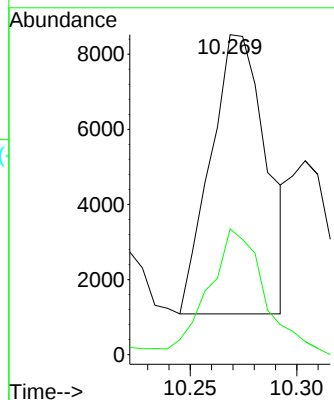
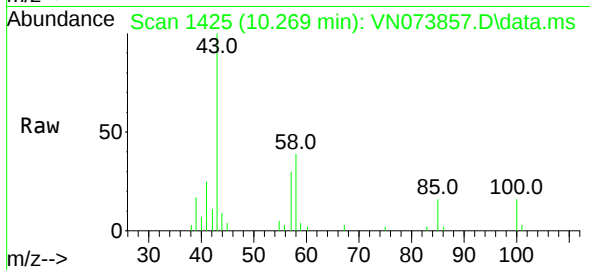




#51
4-Methyl-2-Pentanone
Concen: 1.719 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

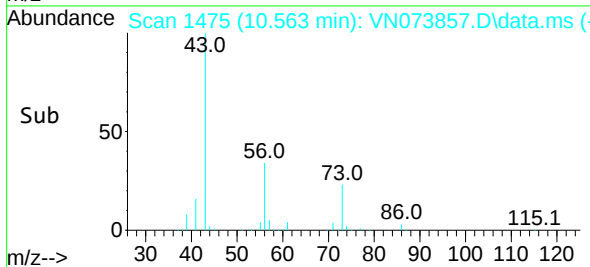
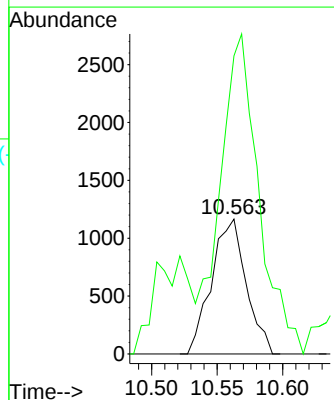
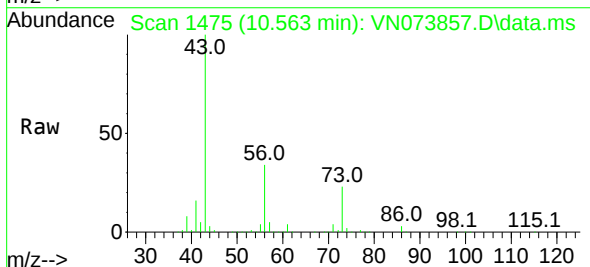
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

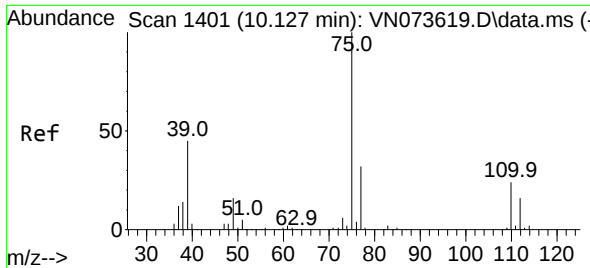
Tgt Ion: 43 Resp: 13509
Ion Ratio Lower Upper
43 100
58 45.9 34.1 51.1



#53
t-1,3-Dichloropropene
Concen: 0.326 ug/l
RT: 10.563 min Scan# 1475
Delta R.T. -0.100 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 75 Resp: 2144
Ion Ratio Lower Upper
75 100
77 173.2 25.6 38.4#

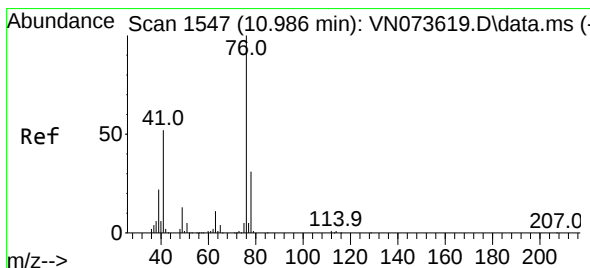
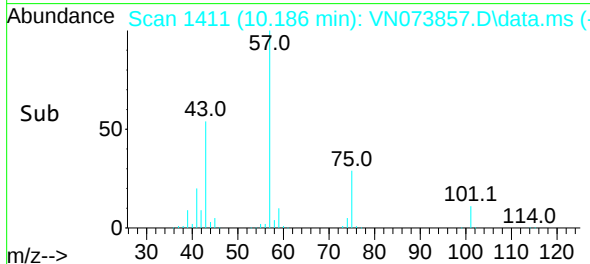
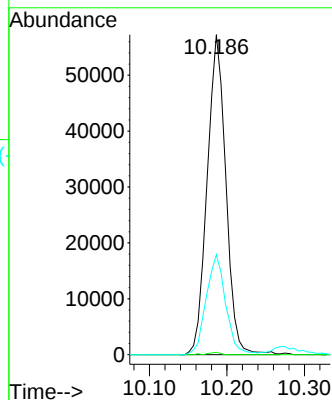
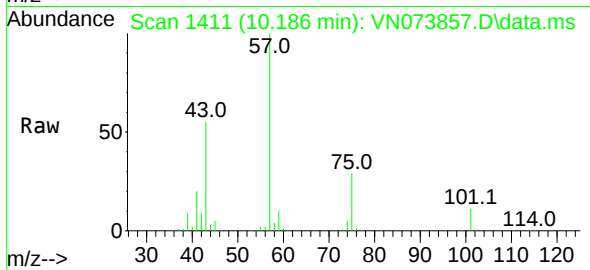




#54
 cis-1,3-Dichloropropene
 Concen: 12.945 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN073857.D
 Acq: 12 Aug 2022 17:27

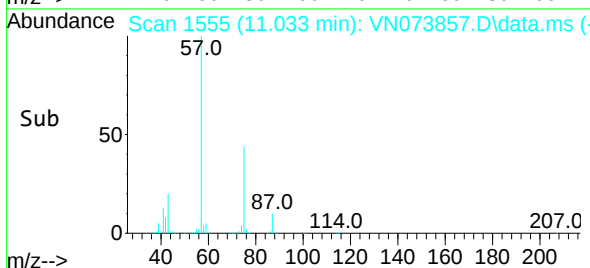
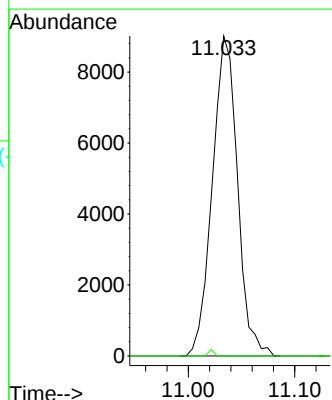
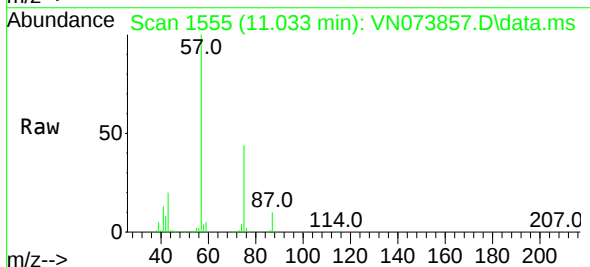
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#04

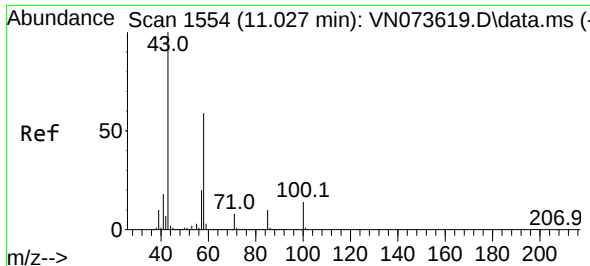
Tgt Ion: 75 Resp: 95985
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.2 37.8#
 39 31.3 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.710 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073857.D
 Acq: 12 Aug 2022 17:27

Tgt Ion: 76 Resp: 14787
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

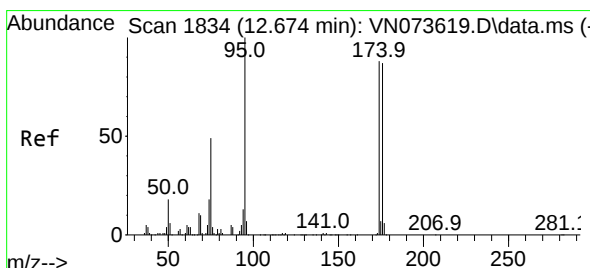
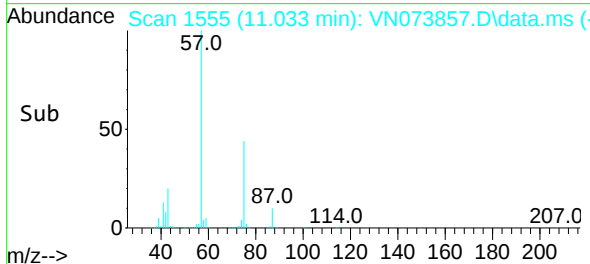
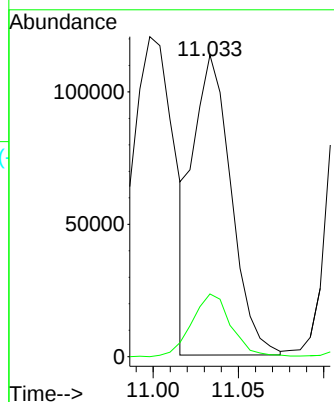
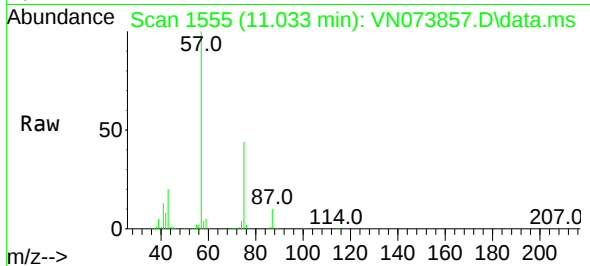




#59
2-Hexanone
Concen: 29.726 ug/l
RT: 11.033 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

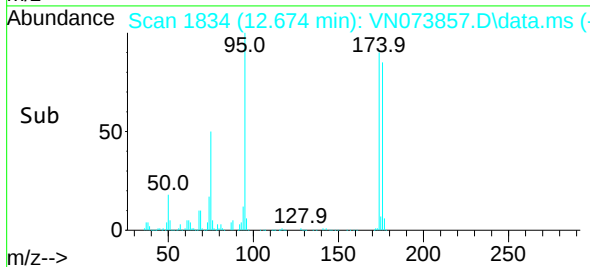
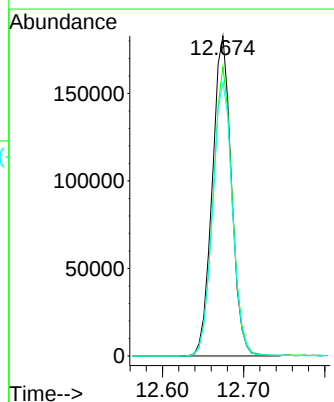
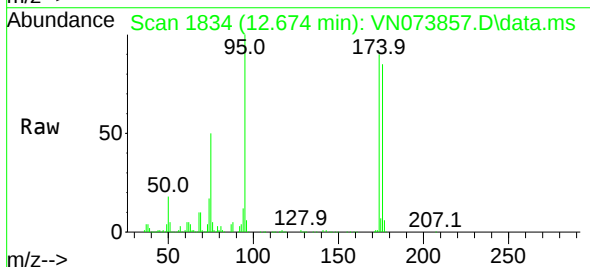
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

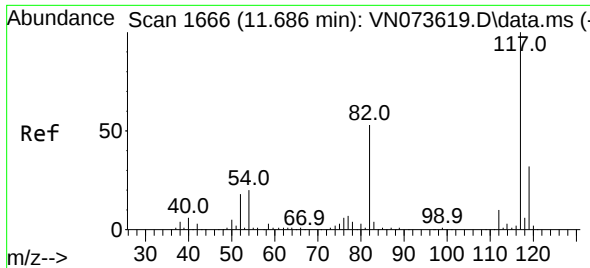
Tgt Ion: 43 Resp: 177014
Ion Ratio Lower Upper
43 100
58 21.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.050 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Tgt Ion: 95 Resp: 298869
Ion Ratio Lower Upper
95 100
174 91.6 0.0 167.6
176 88.4 0.0 163.4

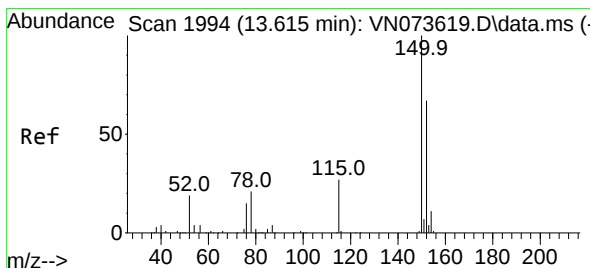
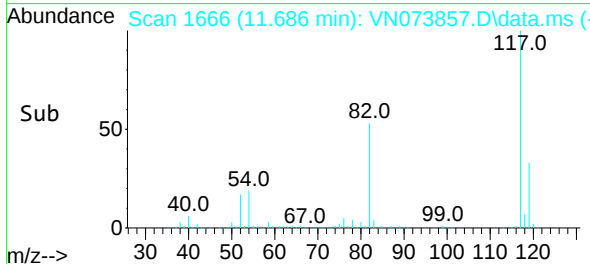
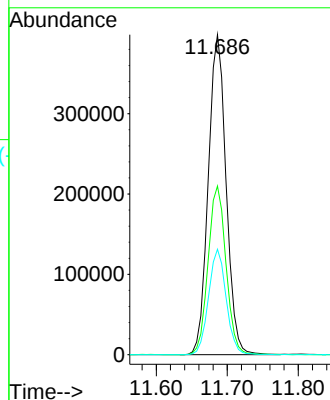
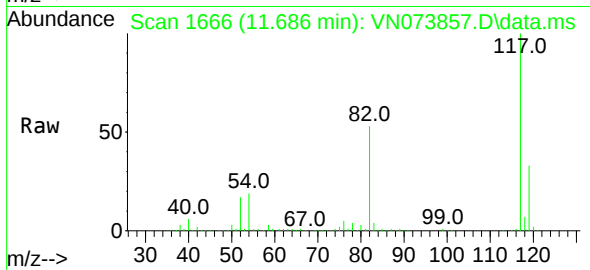




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

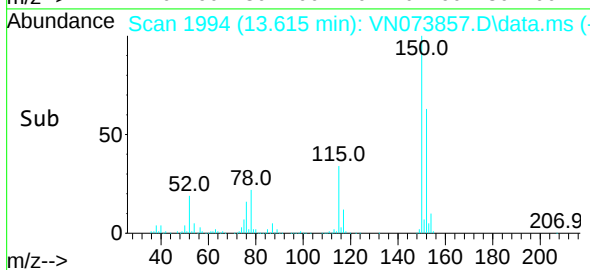
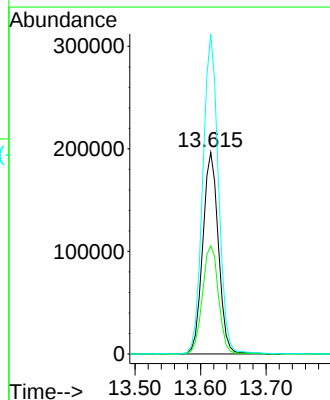
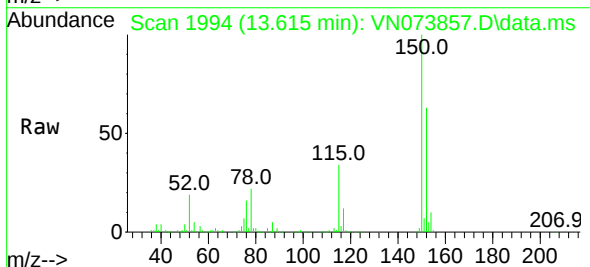
Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

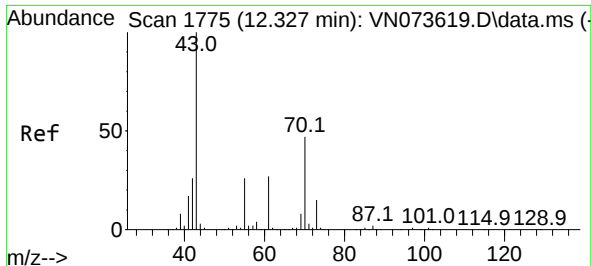
Tgt Ion:117 Resp: 696013
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

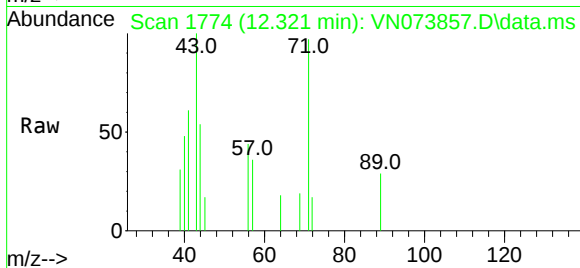
Tgt Ion:152 Resp: 326606
Ion Ratio Lower Upper
152 100
115 55.1 28.9 86.7
150 158.7 0.0 356.2



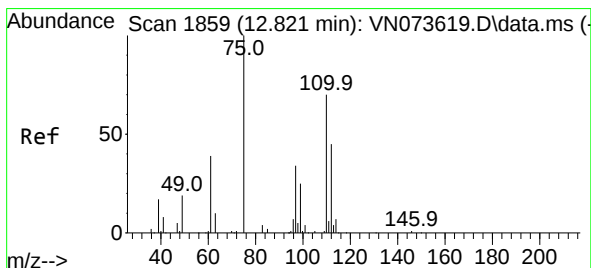
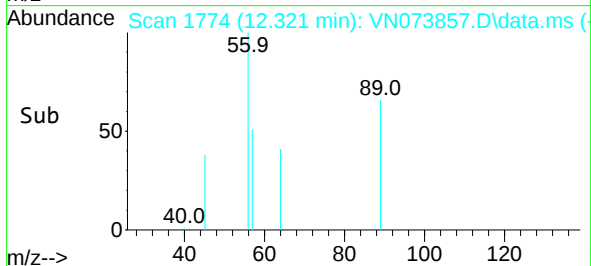
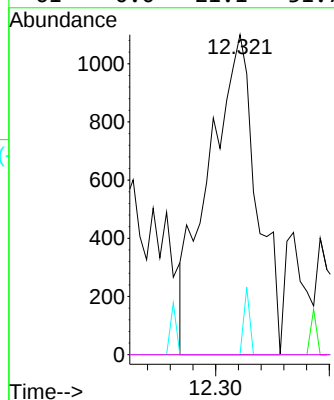


#74
N-amy1 acetate
Concen: 0.357 ug/l
RT: 12.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

Instrument :
MSVOA_N
ClientSampleId :
PB146944ZHE#04

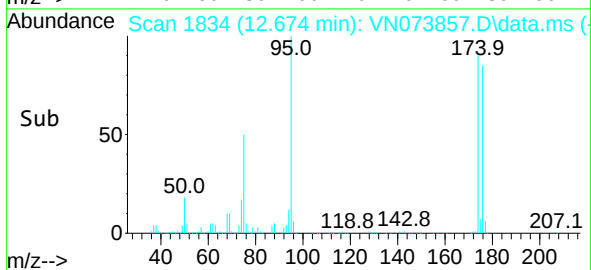
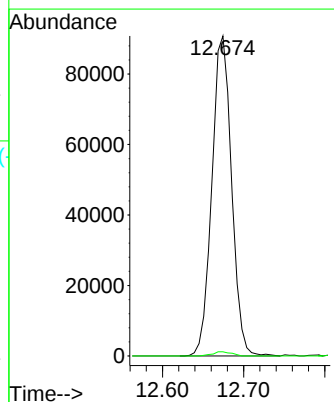
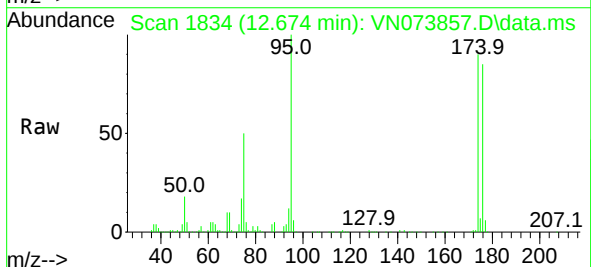


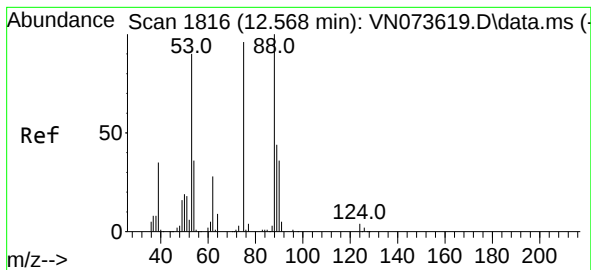
Tgt Ion: 43	Resp: 3224
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 0.0	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.881 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073857.D
Acq: 12 Aug 2022 17:27

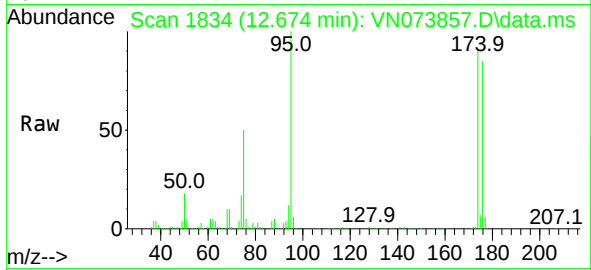
Tgt Ion: 75	Resp: 152959
Ion Ratio	Lower Upper
75 100	
77 1.3	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.692 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073857.D
 Acq: 12 Aug 2022 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944ZHE#04



Tgt Ion: 75 Resp: 152959
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

