

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073468.D
 Acq On : 14 Jul 2022 18:17
 Operator : JC\MD
 Sample : PB146227TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146227TB

Quant Time: Jul 15 02:03:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

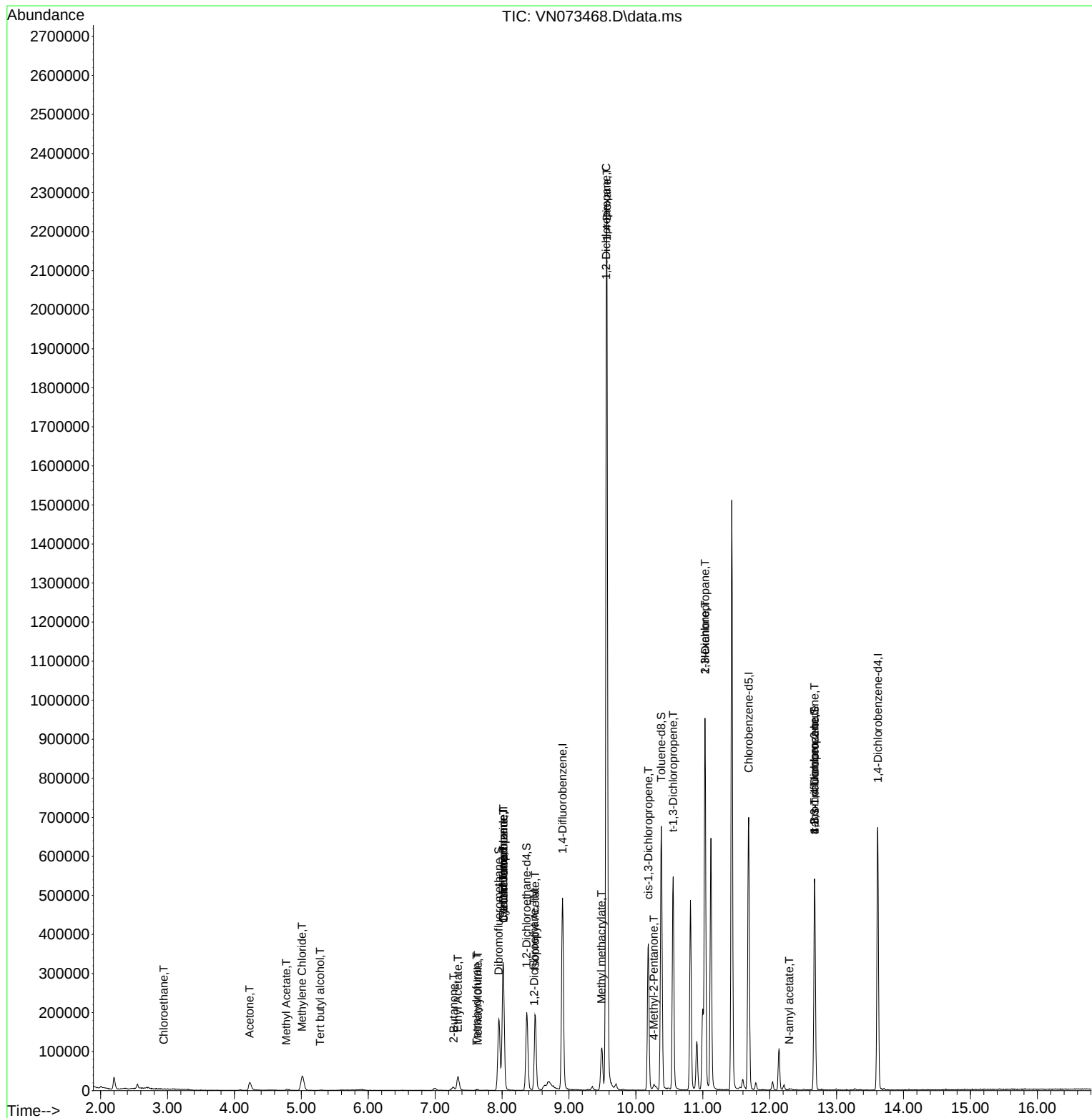
Internal Standards						
1) Pentafluorobenzene	8.016	168	239698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	418914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	388702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	176306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	166754	48.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.380%		
35) Dibromofluoromethane	7.951	113	136912	49.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.240%		
50) Toluene-d8	10.380	98	449493	45.409	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.820%		
62) 4-Bromofluorobenzene	12.668	95	190421	50.057	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.120%		
Target Compounds						Qvalue
6) Chloroethane	2.946	64	1017	0.598	ug/l	91
11) Tert butyl alcohol	5.281	59	500	0.596	ug/l #	72
16) Acetone	4.228	43	39106	20.134	ug/l	93
18) Methyl Acetate	4.775	43	5406	0.993	ug/l #	83
20) Methylene Chloride	5.010	84	30196	8.846	ug/l	96
25) 2-Butanone	7.275	43	13088	4.232	ug/l #	82
29) Tetrahydrofuran	7.622	42	1914	0.904	ug/l #	58
31) Cyclohexane	8.022	56	5521	0.974	ug/l #	18
36) 1,1-Dichloropropene	8.022	75	20587	4.801	ug/l #	48
37) Ethyl Acetate	7.339	43	59008	9.106	ug/l	95
38) Carbon Tetrachloride	8.022	117	26200	5.908	ug/l #	16
41) Methacrylonitrile	7.639	41	1515	0.482	ug/l #	22
42) 1,2-Dichloroethane	8.480	62	1423	0.297	ug/l #	74
43) Isopropyl Acetate	8.492	43	223502	24.000	ug/l #	86
45) 1,2-Dichloropropane	9.557	63	3154	0.935	ug/l #	44
48) Methyl methacrylate	9.486	41	8357	1.938	ug/l #	39
49) 1,4-Dioxane	9.569	88	255	3.115	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	10984	1.860	ug/l	87
53) t-1,3-Dichloropropene	10.557	75	1360	0.278	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	64117	12.161	ug/l #	69
57) 1,3-Dichloropropane	11.033	76	9395	1.628	ug/l #	42
59) 2-Hexanone	11.033	43	145434	32.306	ug/l #	47
74) N-amyl acetate	12.292	43	1886	0.247	ug/l #	39
76) 1,2,3-Trichloropropane	12.668	75	99072	21.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	99072	58.937	ug/l #	10

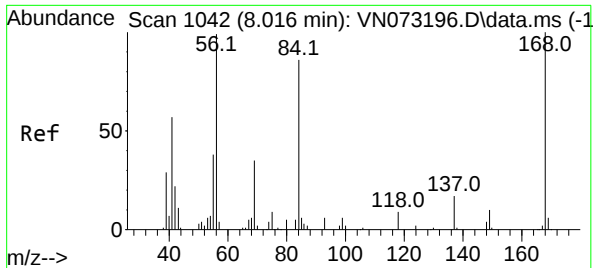
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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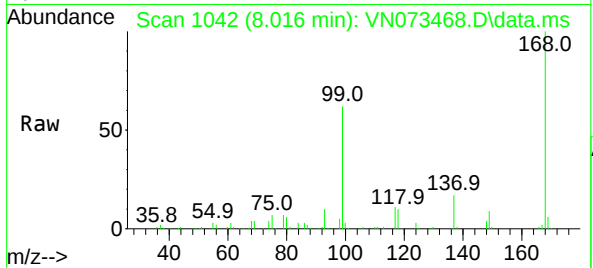
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration



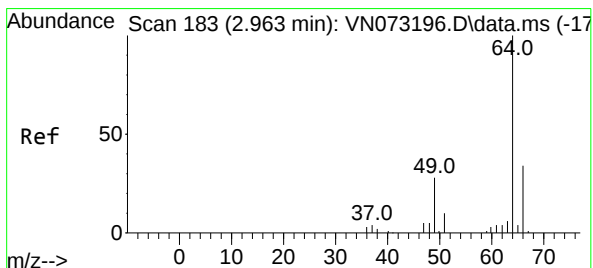
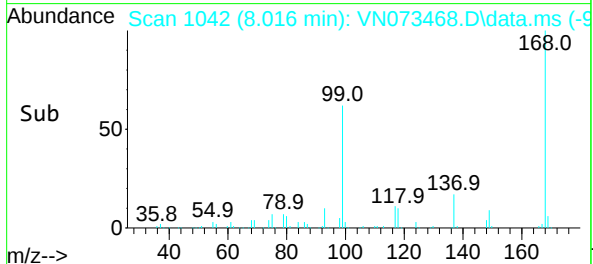
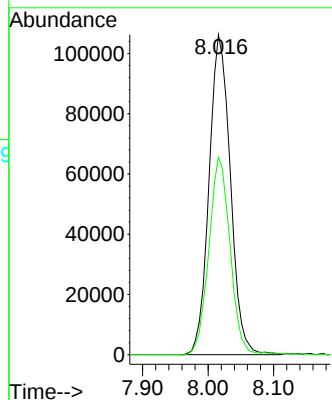


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

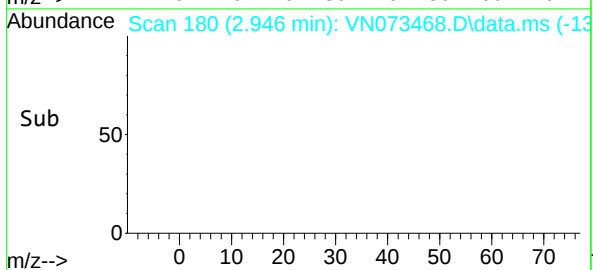
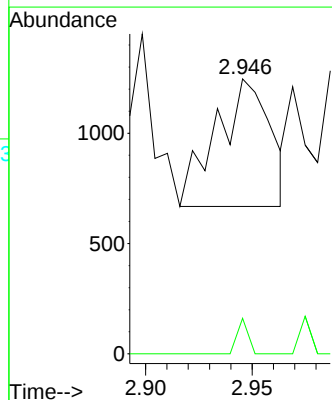
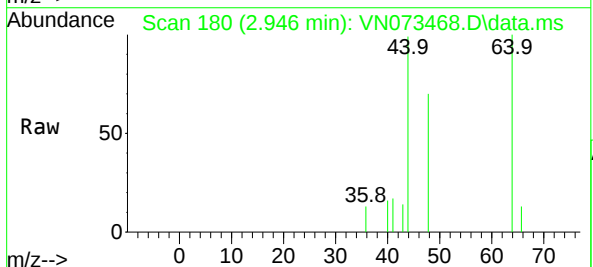


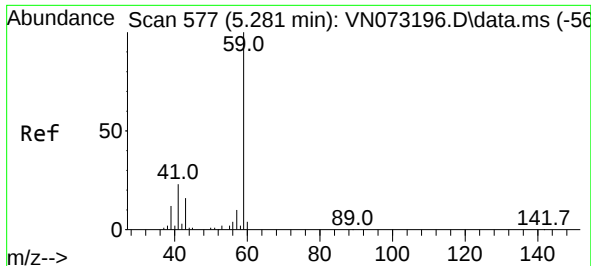
Tgt Ion:168 Resp: 239698
Ion Ratio Lower Upper
168 100
99 61.7 42.3 63.5



#6
Chloroethane
Concen: 0.598 ug/l
RT: 2.946 min Scan# 180
Delta R.T. -0.018 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 64 Resp: 1017
Ion Ratio Lower Upper
64 100
66 27.9 26.2 39.4

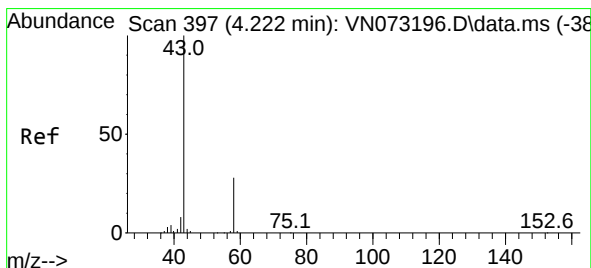
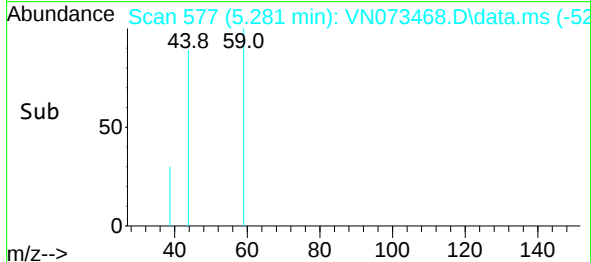
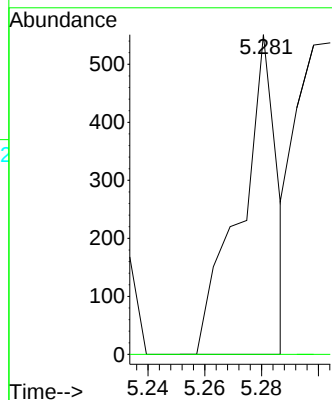
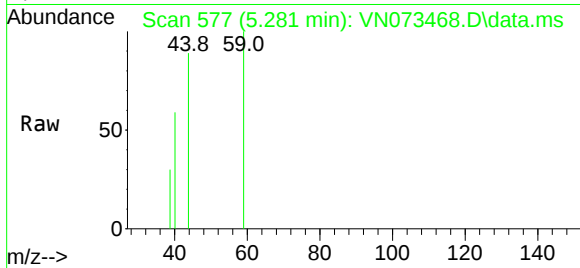




#11
Tert butyl alcohol
Concen: 0.596 ug/l
RT: 5.281 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

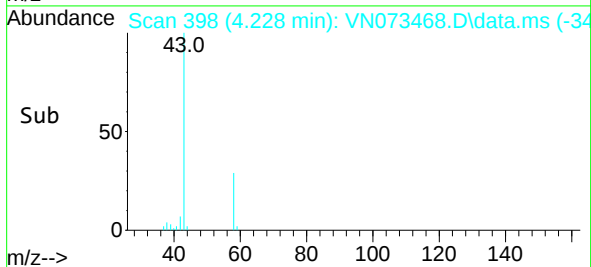
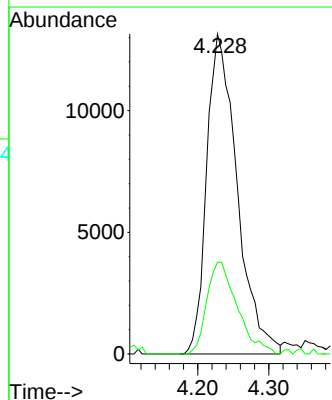
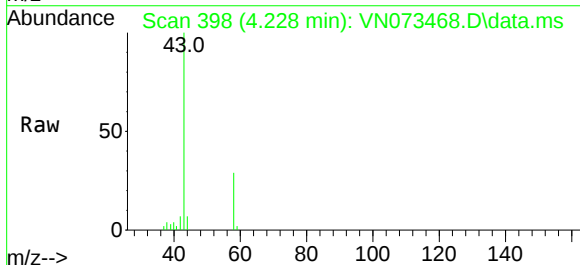
Instrument :
MSVOA_N
ClientSampleId :
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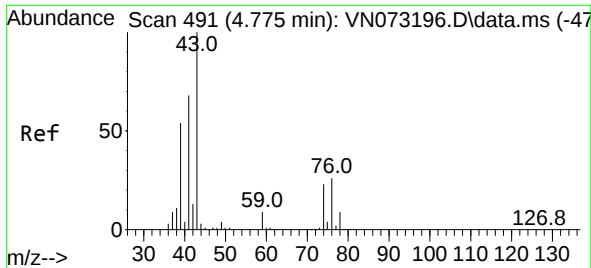
Tgt Ion: 59 Resp: 500
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 20.134 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 43 Resp: 39106
Ion Ratio Lower Upper
43 100
58 28.7 26.0 39.0

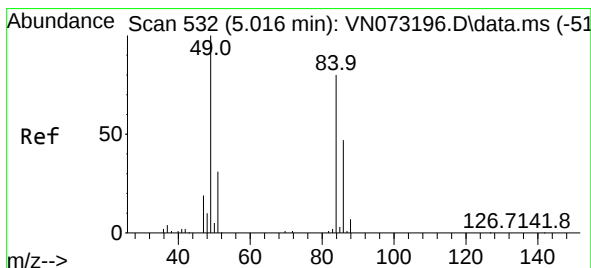
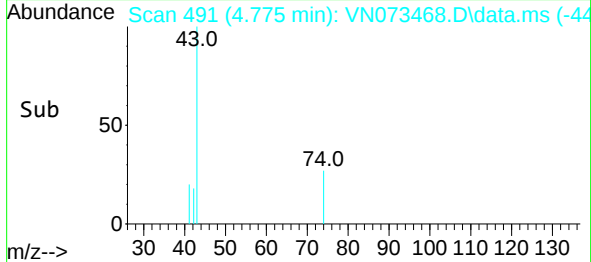
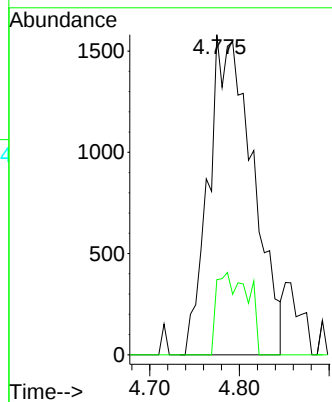
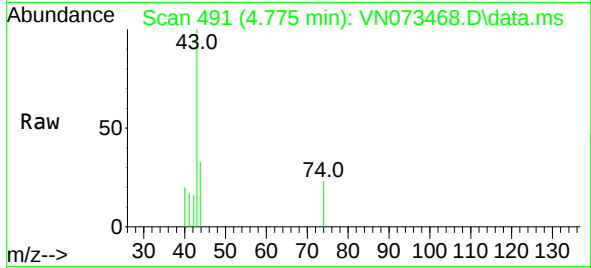




#18
Methyl Acetate
Concen: 0.993 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

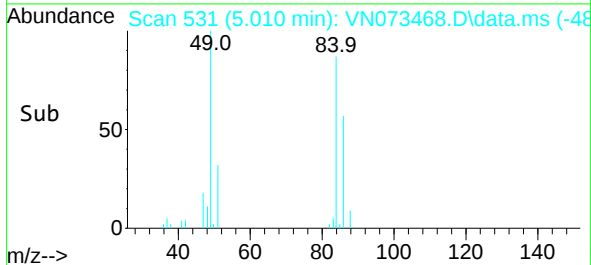
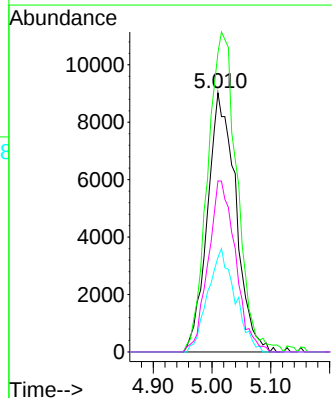
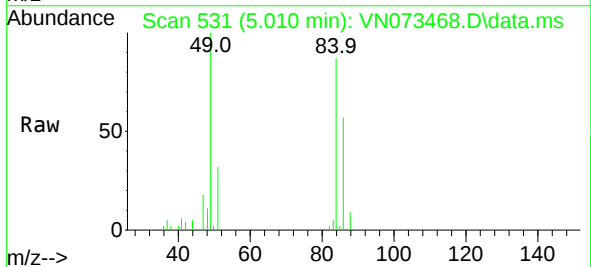
Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

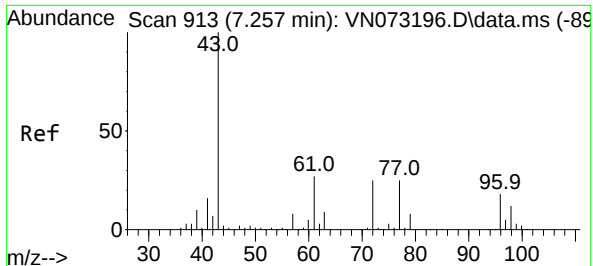
Tgt Ion: 43 Resp: 5406
Ion Ratio Lower Upper
43 100
74 18.1 21.6 32.4#



#20
Methylene Chloride
Concen: 8.846 ug/l
RT: 5.010 min Scan# 531
Delta R.T. -0.006 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 84 Resp: 30196
Ion Ratio Lower Upper
84 100
49 115.5 88.3 132.5
51 36.5 28.2 42.2
86 66.0 50.6 76.0

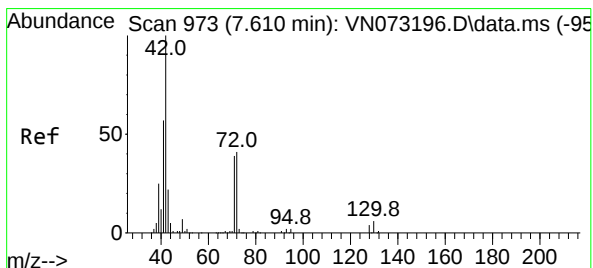
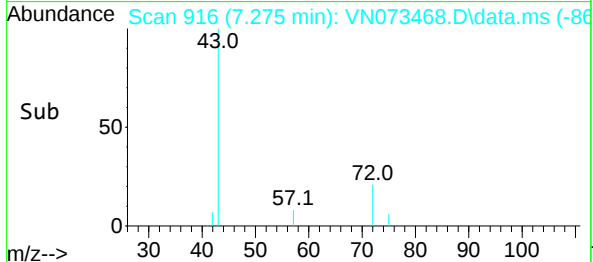
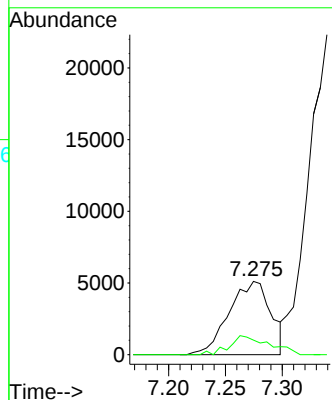
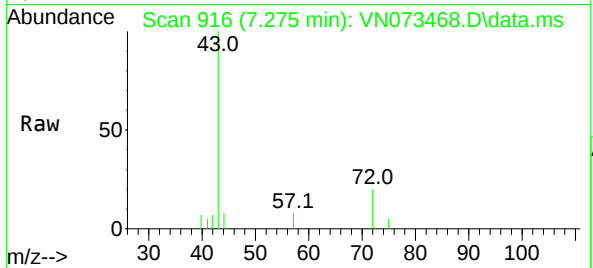




#25
2-Butanone
Concen: 4.232 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

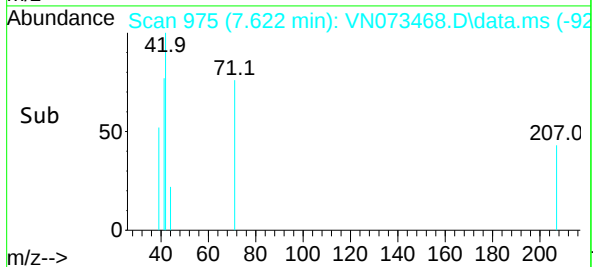
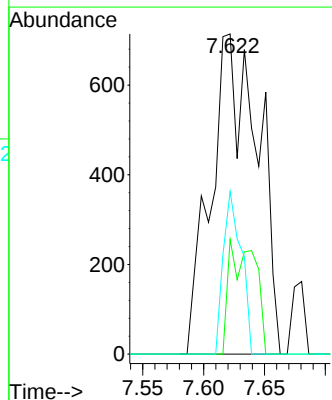
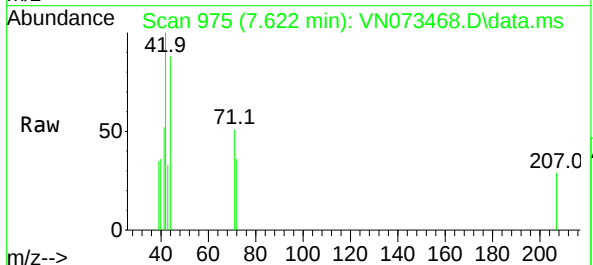
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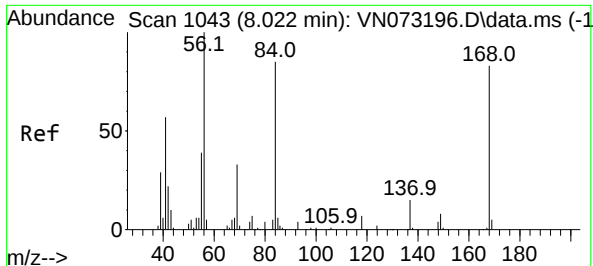
Tgt Ion: 43 Resp: 13088
Ion Ratio Lower Upper
43 100
72 19.8 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.904 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 42 Resp: 1914
Ion Ratio Lower Upper
42 100
72 19.7 39.7 59.5#
71 19.5 36.6 55.0#





#31

Cyclohexane

Concen: 0.974 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

Instrument :

MSVOA_N

ClientSampleId :

PB146227TB

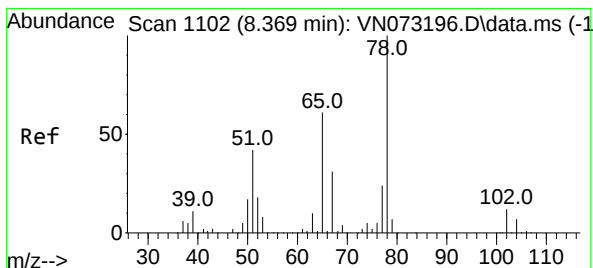
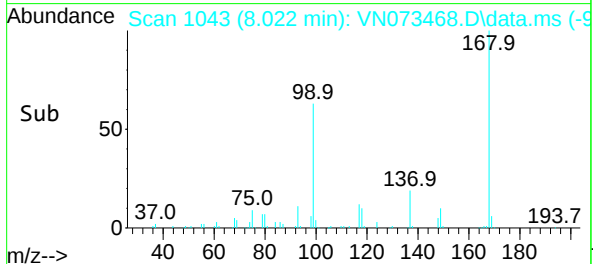
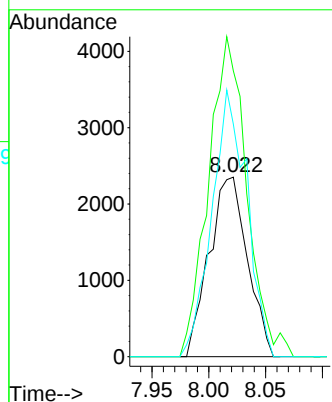
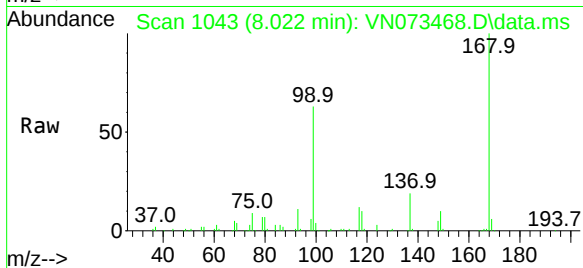
Tgt Ion: 56 Resp: 5521

Ion Ratio Lower Upper

56 100

69 159.3 27.8 41.8#

84 129.6 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 48.191 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073468.D

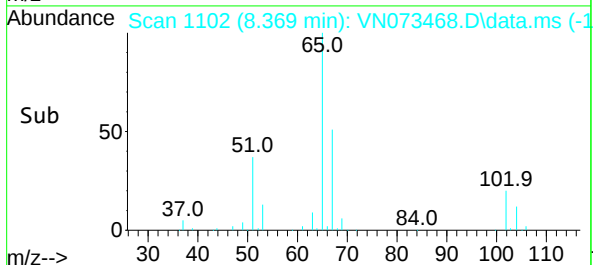
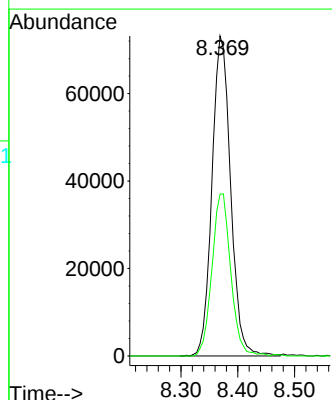
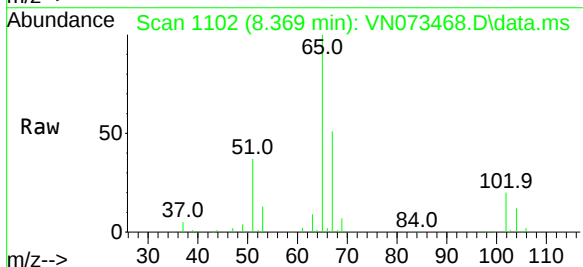
Acq: 14 Jul 2022 18:17

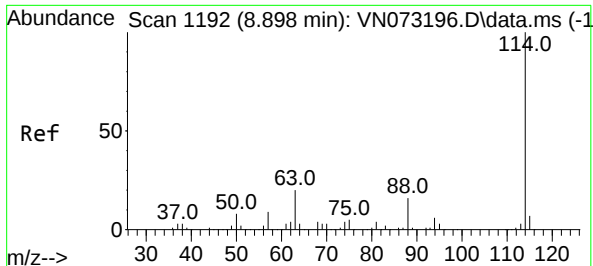
Tgt Ion: 65 Resp: 166754

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

Instrument :

MSVOA_N

ClientSampleId :

PB146227TB

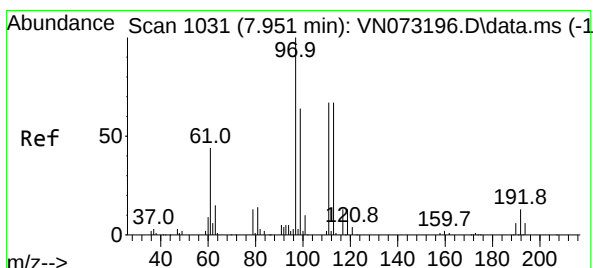
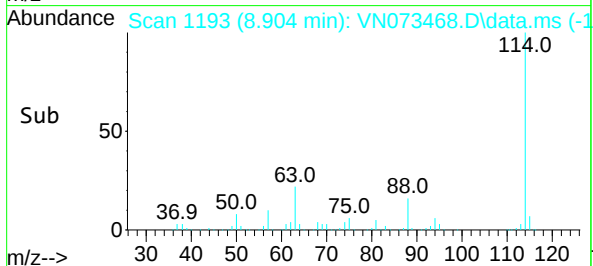
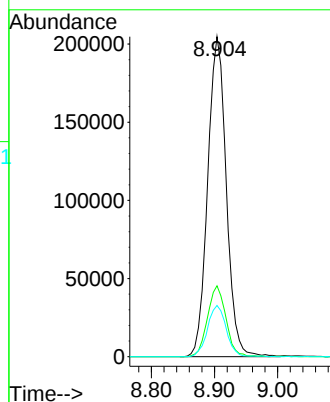
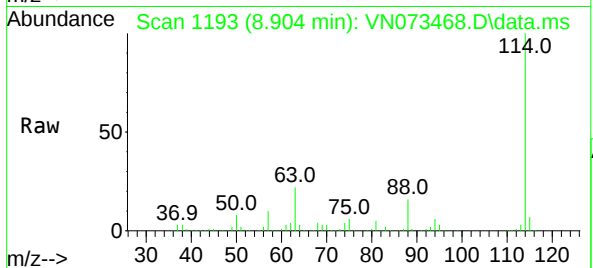
Tgt Ion:114 Resp: 418914

Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.124 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

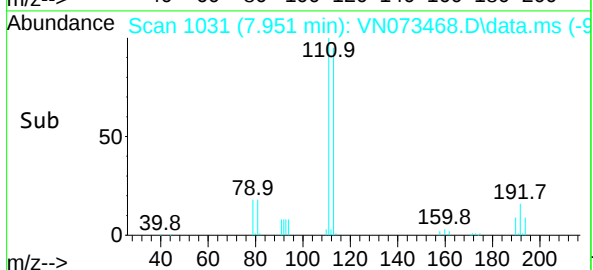
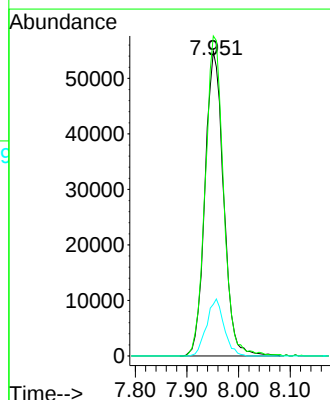
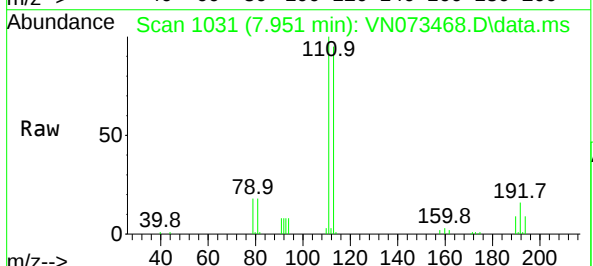
Tgt Ion:113 Resp: 136912

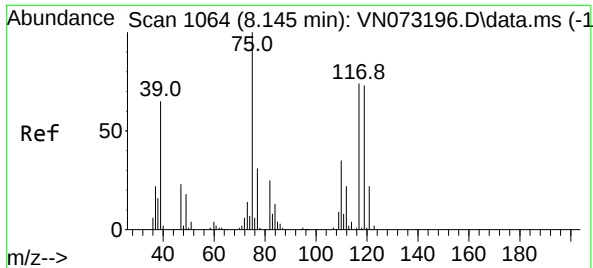
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

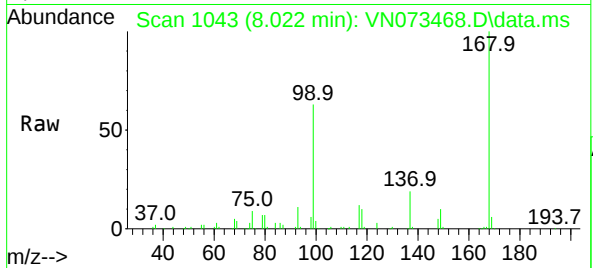
192 17.7 17.0 25.6



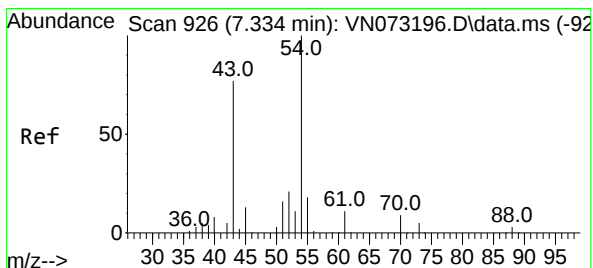
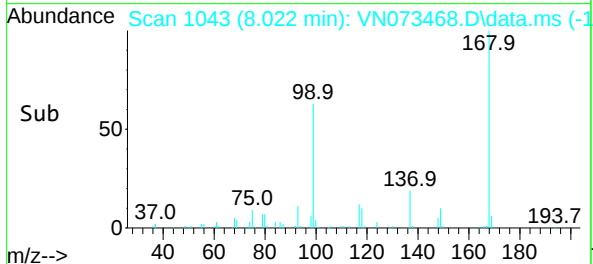
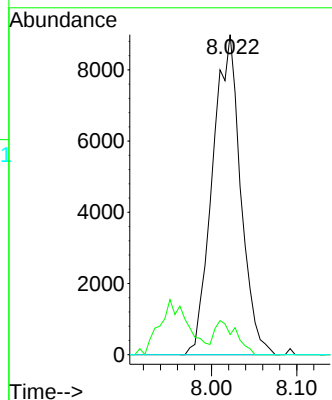


#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 8.022 min Scan# 1064
Delta R.T. -0.123 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

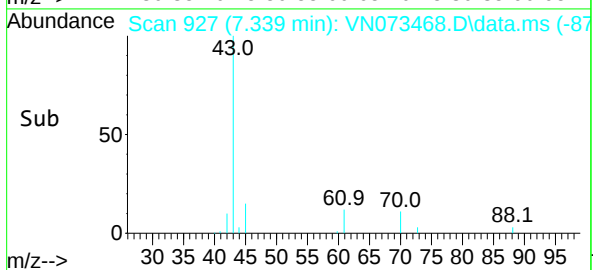
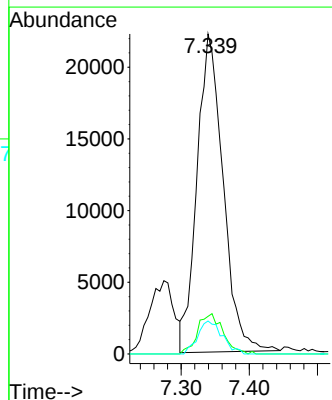
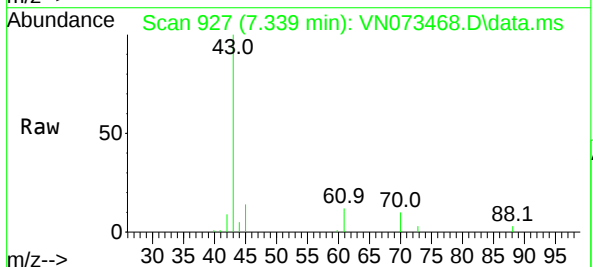


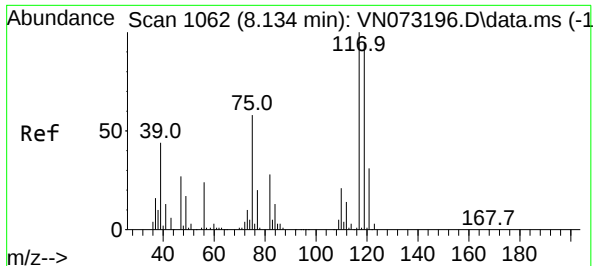
Tgt Ion: 75 Resp: 20587
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.106 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.005 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 43 Resp: 59008
Ion Ratio Lower Upper
43 100
61 12.3 11.8 17.6
70 9.8 9.3 13.9

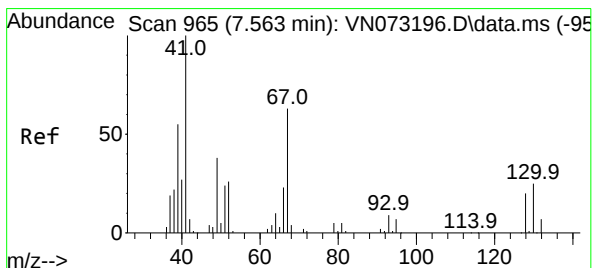
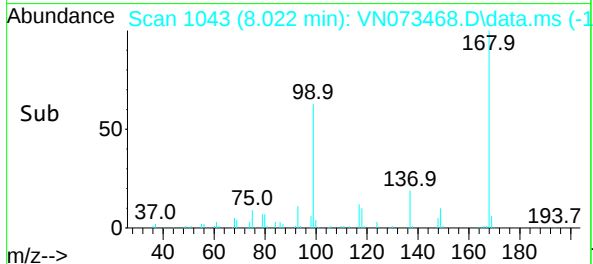
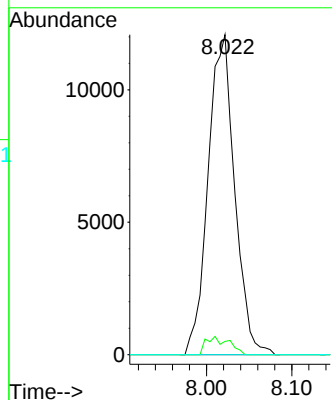
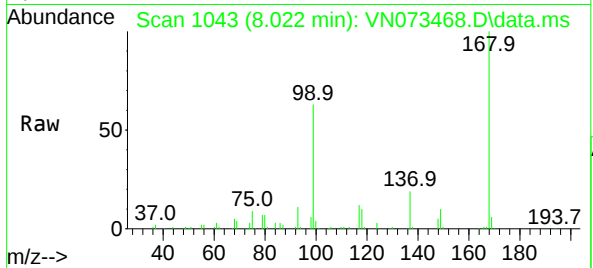




#38
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 8.022 min Scan# 117
Delta R.T. -0.112 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

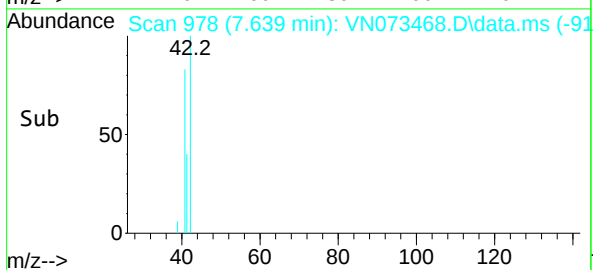
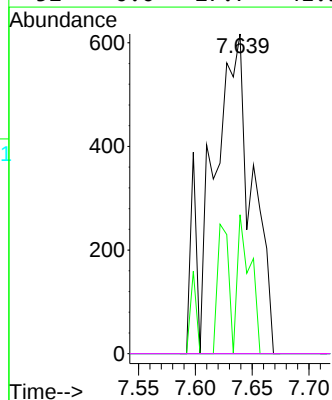
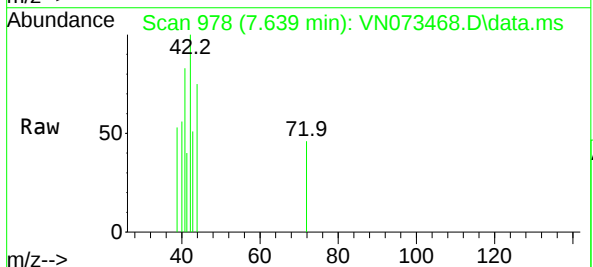
Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

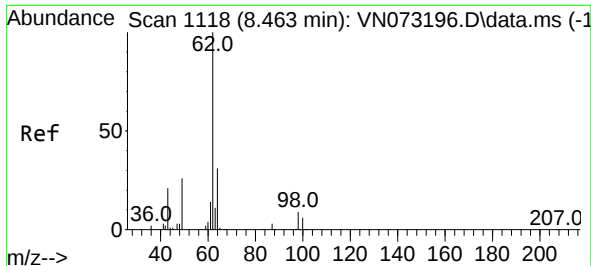
Tgt Ion:117 Resp: 26200
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.482 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.076 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 41 Resp: 1515
Ion Ratio Lower Upper
41 100
39 14.1 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.297 ug/l

RT: 8.480 min Scan# 1118

Delta R.T. 0.017 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

Instrument :

MSVOA_N

ClientSampleId :

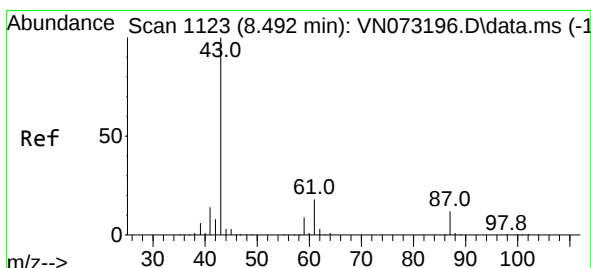
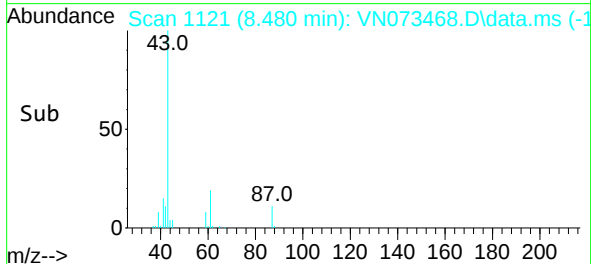
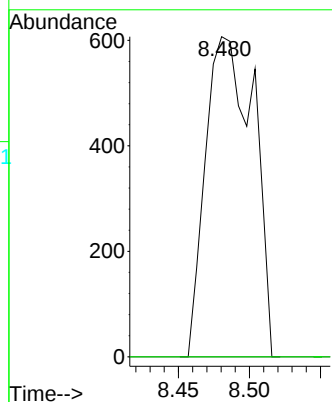
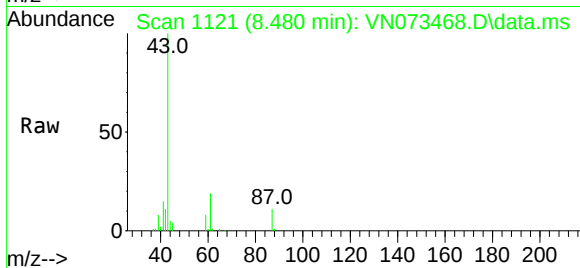
PB146227TB

Tgt Ion: 62 Resp: 1423

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 24.000 ug/l

RT: 8.492 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

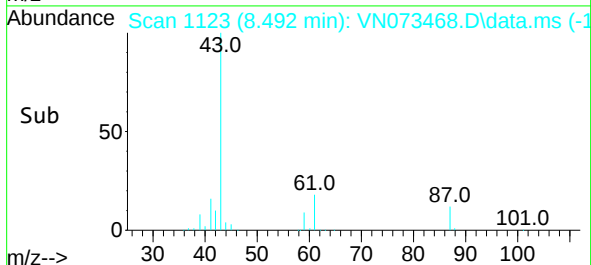
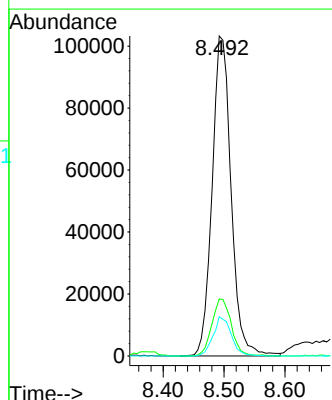
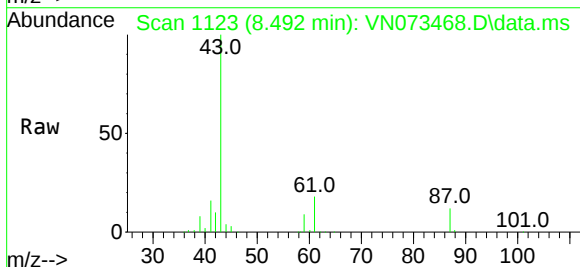
Tgt Ion: 43 Resp: 223502

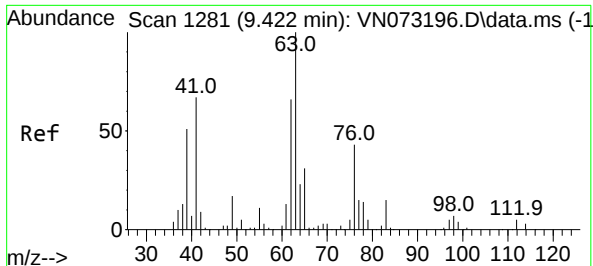
Ion Ratio Lower Upper

43 100

61 18.3 21.9 32.9#

87 11.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.935 ug/l

RT: 9.557 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

Instrument :

MSVOA_N

ClientSampleId :

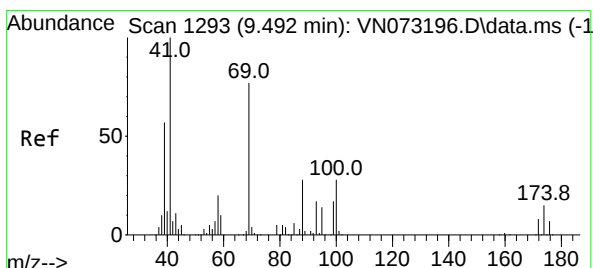
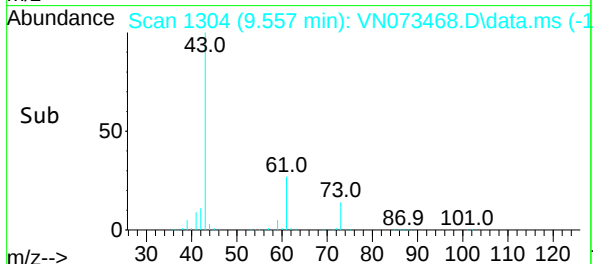
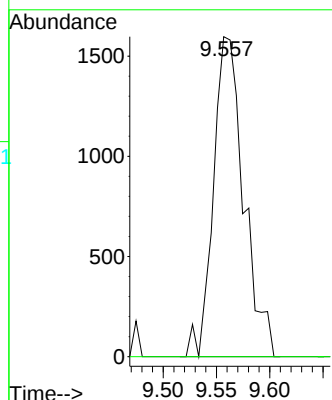
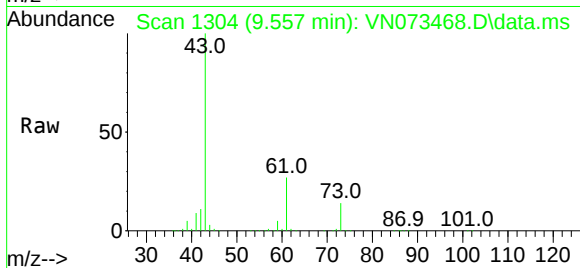
PB146227TB

Tgt Ion: 63 Resp: 3154

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.938 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.006 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

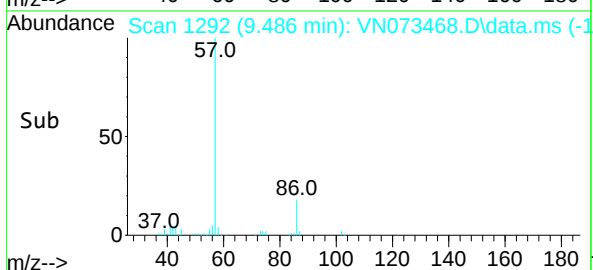
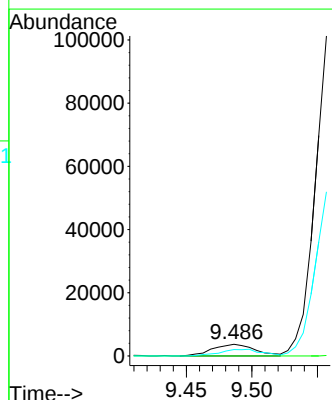
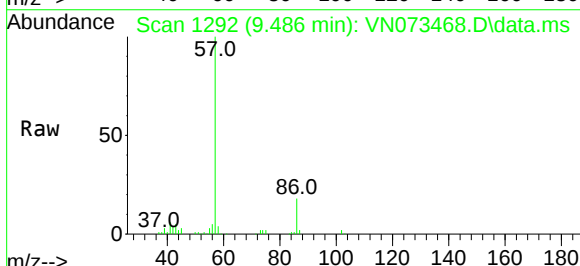
Tgt Ion: 41 Resp: 8357

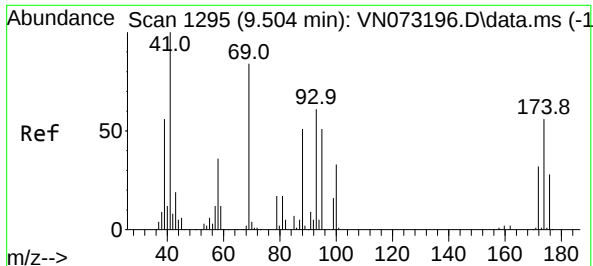
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 55.2 45.6 68.4

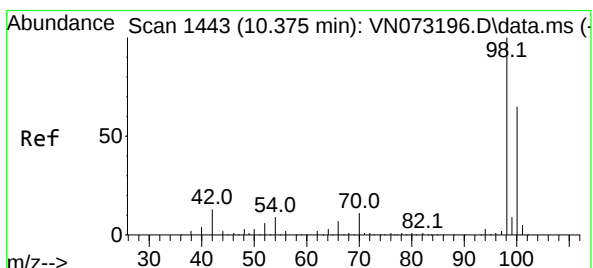
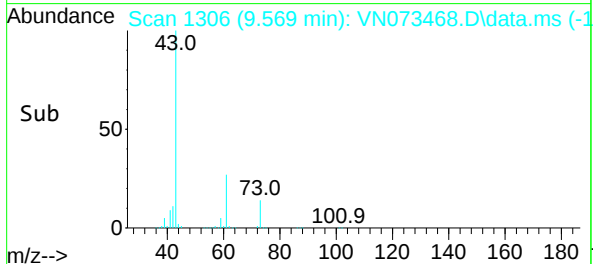
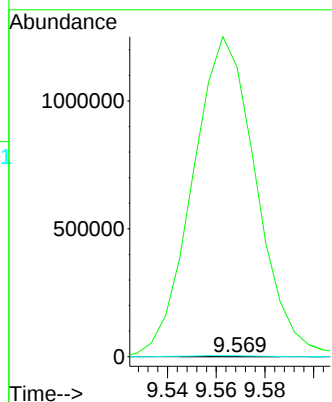
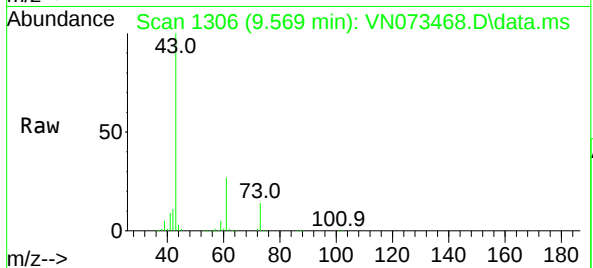




#49
1,4-Dioxane
Concen: 3.115 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

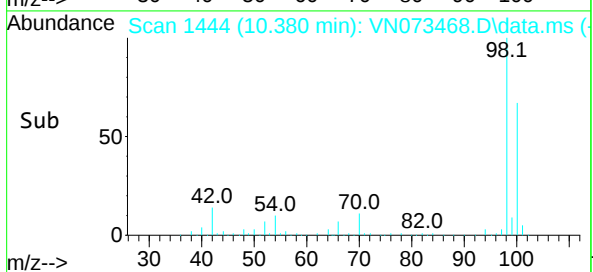
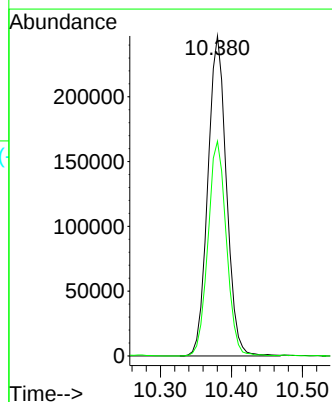
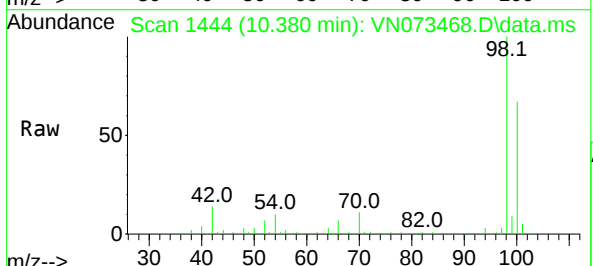
Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

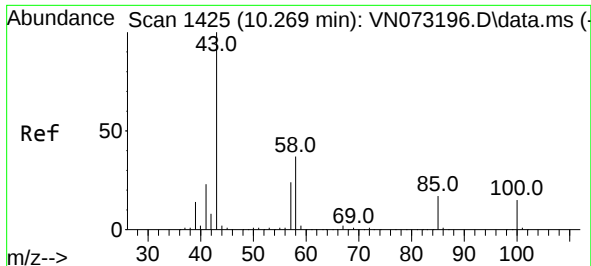
Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 902429.0 20.2 30.4#
58 3517.3 54.2 81.4#



#50
Toluene-d8
Concen: 45.409 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 98 Resp: 449493
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.860 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VN073468.D

Acq: 14 Jul 2022 18:17

Instrument :

MSVOA_N

ClientSampleId :

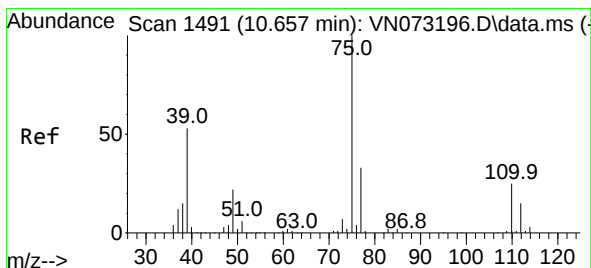
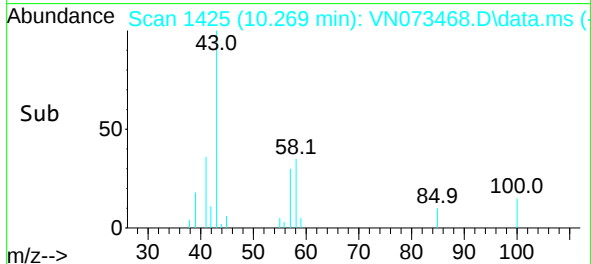
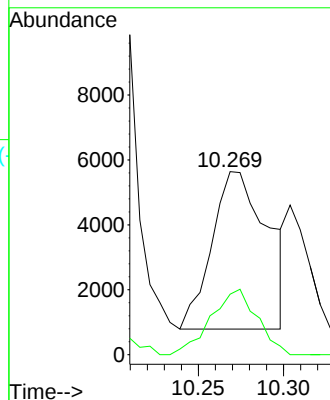
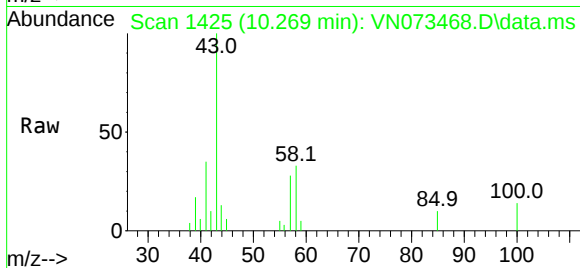
PB146227TB

Tgt Ion: 43 Resp: 10984

Ion Ratio Lower Upper

43 100

58 34.5 34.1 51.1



#53

t-1,3-Dichloropropene

Concen: 0.278 ug/l

RT: 10.557 min Scan# 1474

Delta R.T. -0.100 min

Lab File: VN073468.D

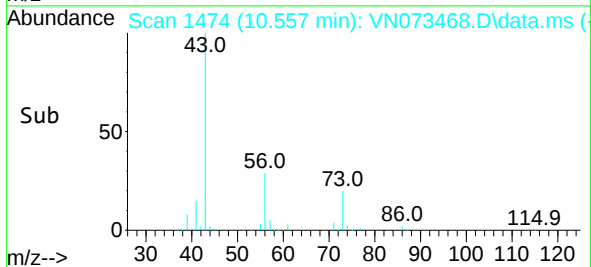
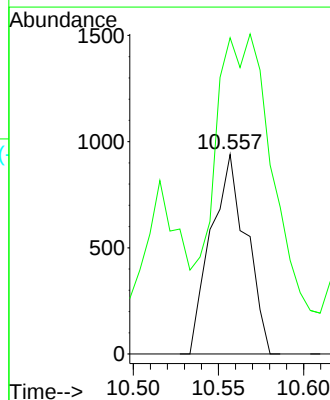
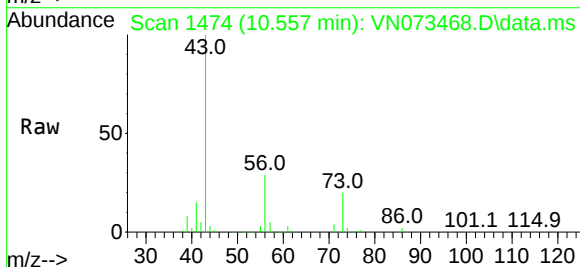
Acq: 14 Jul 2022 18:17

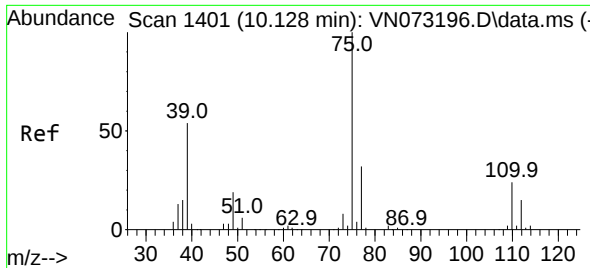
Tgt Ion: 75 Resp: 1360

Ion Ratio Lower Upper

75 100

77 95.7 25.6 38.4#

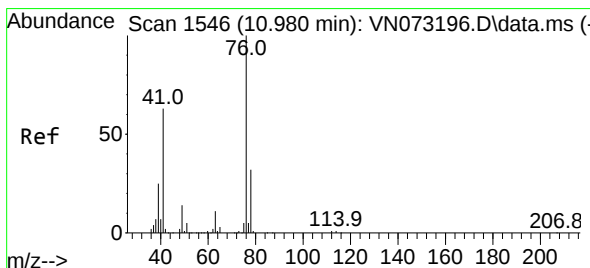
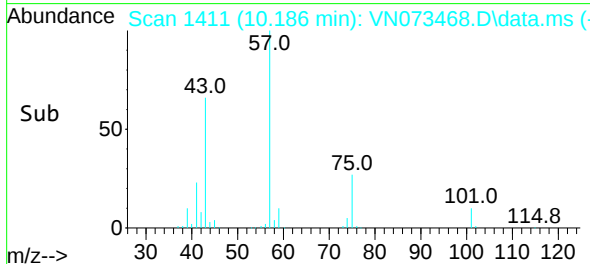
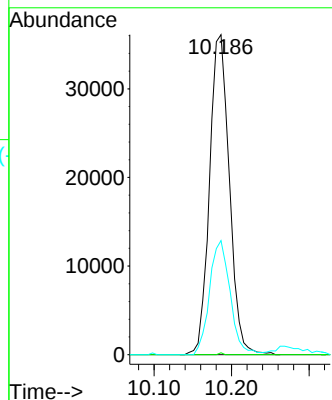
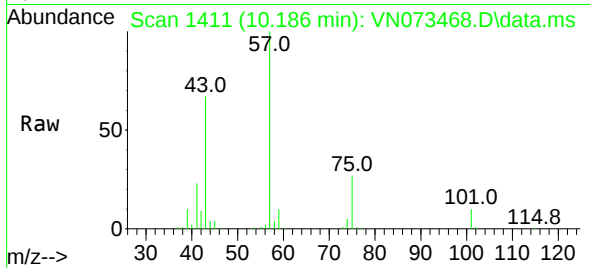




#54
 cis-1,3-Dichloropropene
 Concen: 12.161 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.058 min
 Lab File: VN073468.D
 Acq: 14 Jul 2022 18:17

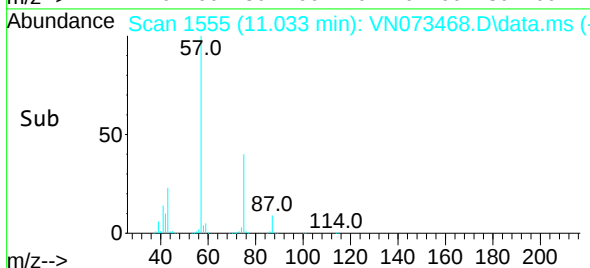
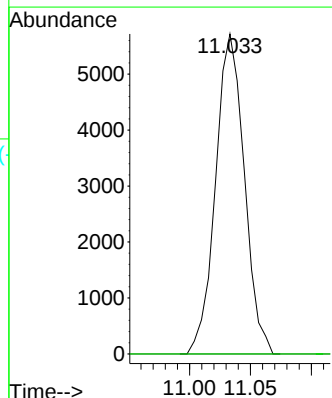
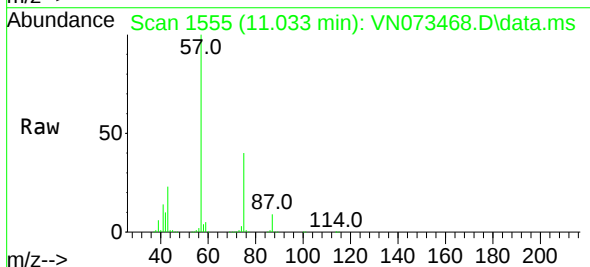
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146227TB

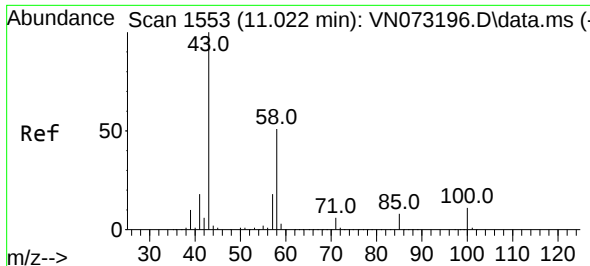
Tgt Ion: 75 Resp: 64117
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 35.7 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.628 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.053 min
 Lab File: VN073468.D
 Acq: 14 Jul 2022 18:17

Tgt Ion: 76 Resp: 9395
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

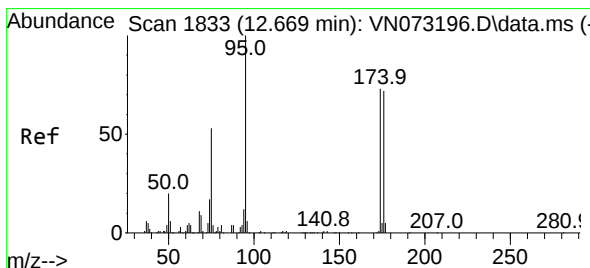
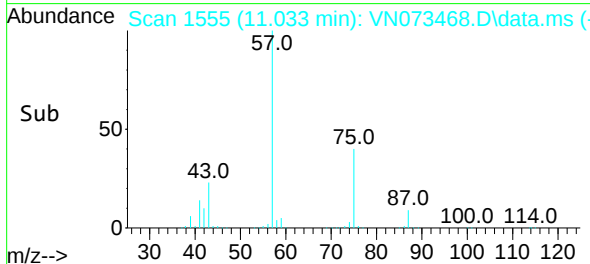
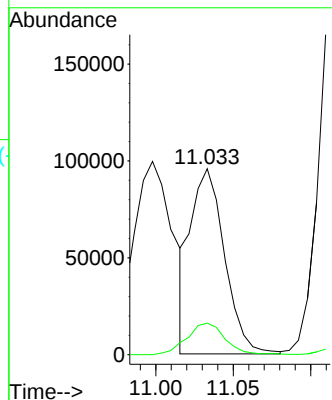
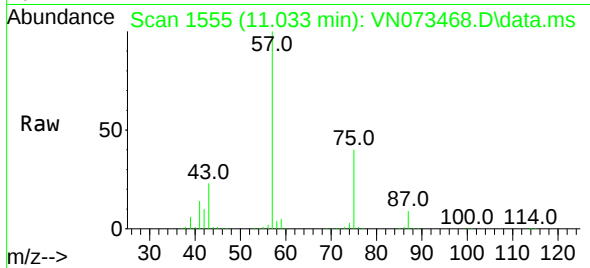




#59
2-Hexanone
Concen: 32.306 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

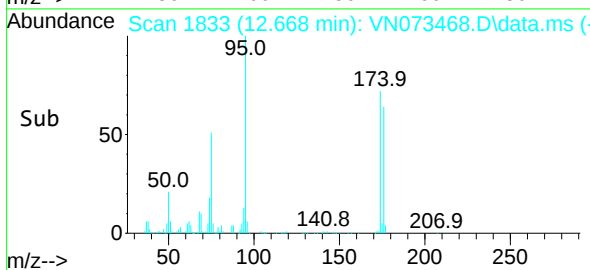
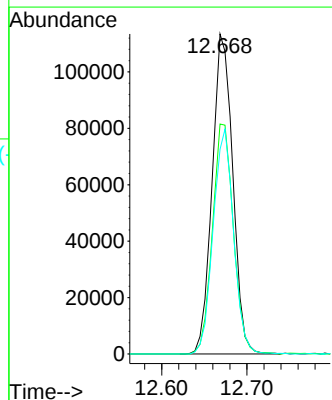
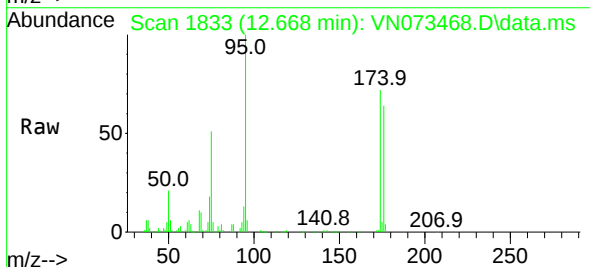
Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

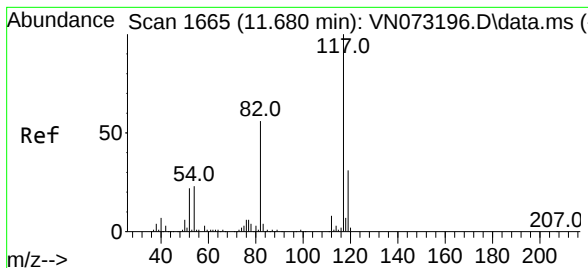
Tgt Ion: 43 Resp: 145434
Ion Ratio Lower Upper
43 100
58 19.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.057 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion: 95 Resp: 190421
Ion Ratio Lower Upper
95 100
174 73.2 0.0 167.6
176 69.7 0.0 163.4

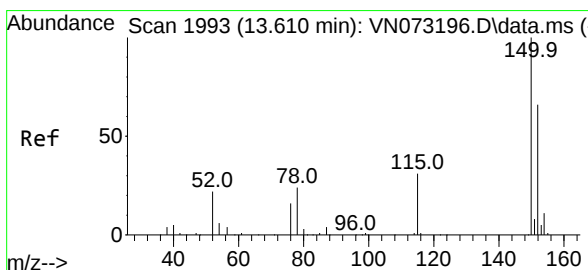
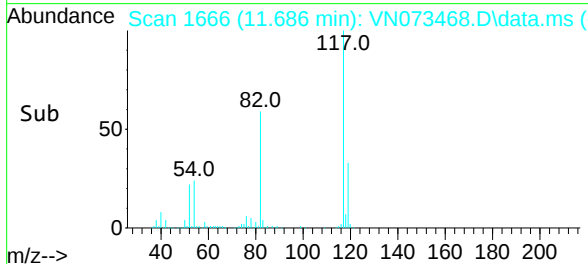
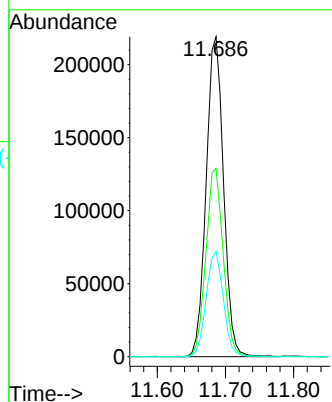
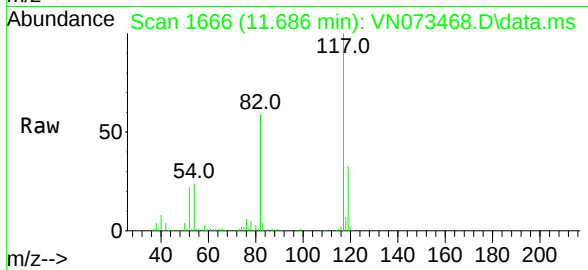




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

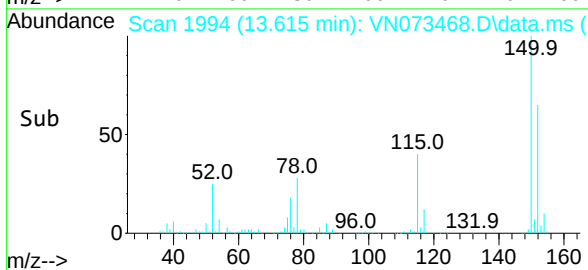
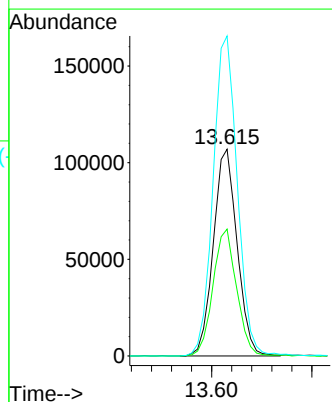
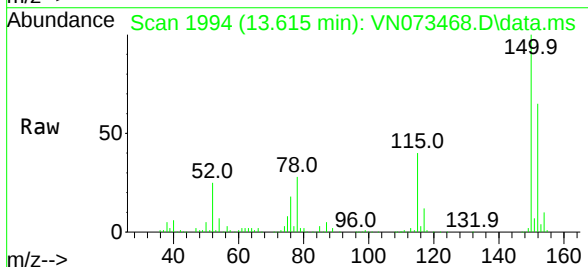
Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

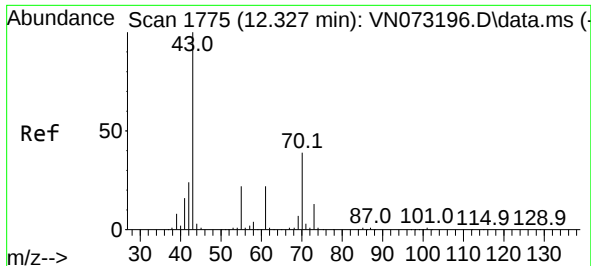
Tgt Ion:117 Resp: 388702
Ion Ratio Lower Upper
117 100
82 58.8 44.2 66.2
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

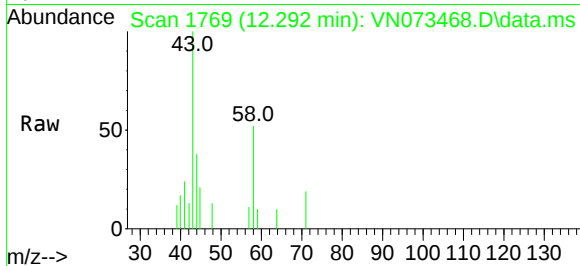
Tgt Ion:152 Resp: 176306
Ion Ratio Lower Upper
152 100
115 61.1 28.9 86.7
150 157.3 0.0 356.2



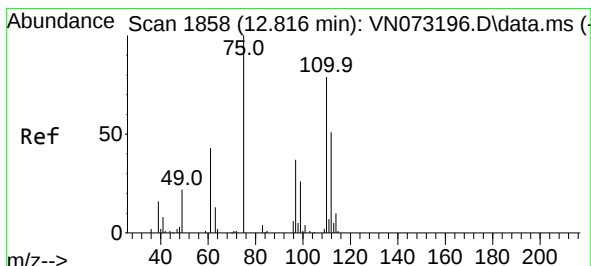
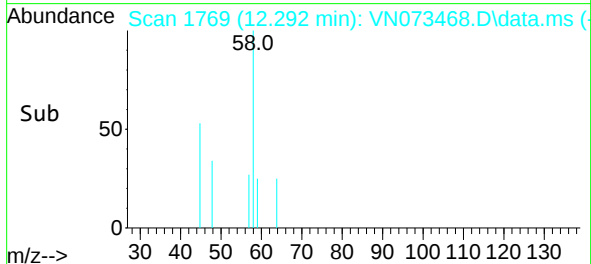
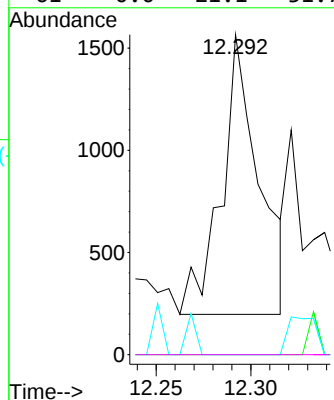


#74
N-amy1 acetate
Concen: 0.247 ug/l
RT: 12.292 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :
PB146227TB

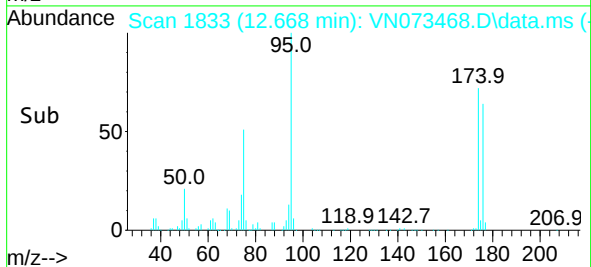
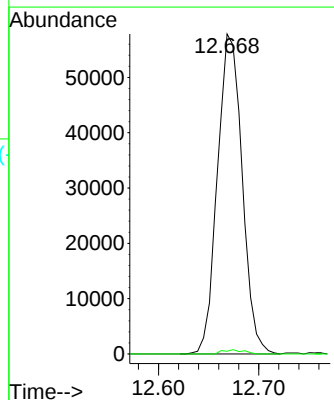
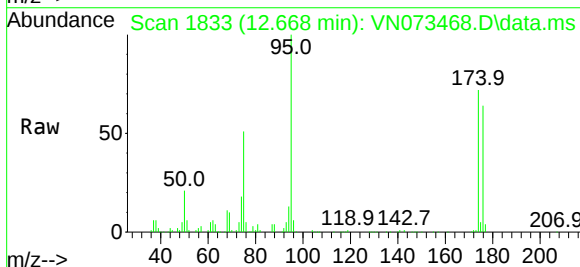


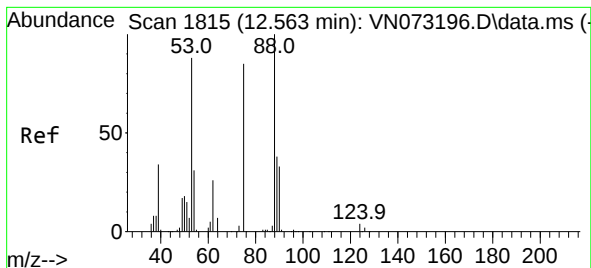
Tgt Ion:	43	Resp:	1886
Ion Ratio	Lower	Upper	
43	100		
70	0.0	39.0	58.4#
55	0.0	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 21.490 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073468.D
Acq: 14 Jul 2022 18:17

Tgt Ion:	75	Resp:	99072
Ion Ratio	Lower	Upper	
75	100		
77	1.1	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.937 ug/l
 RT: 12.668 min Scan# 11
 Delta R.T. 0.105 min
 Lab File: VN073468.D
 Acq: 14 Jul 2022 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146227TB

Tgt Ion: 75 Resp: 99072
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

