

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076942.D
 Acq On : 10 Mar 2023 22:27
 Operator : JC\MD
 Sample : 01833-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 46

Quant Time: Mar 13 01:26:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

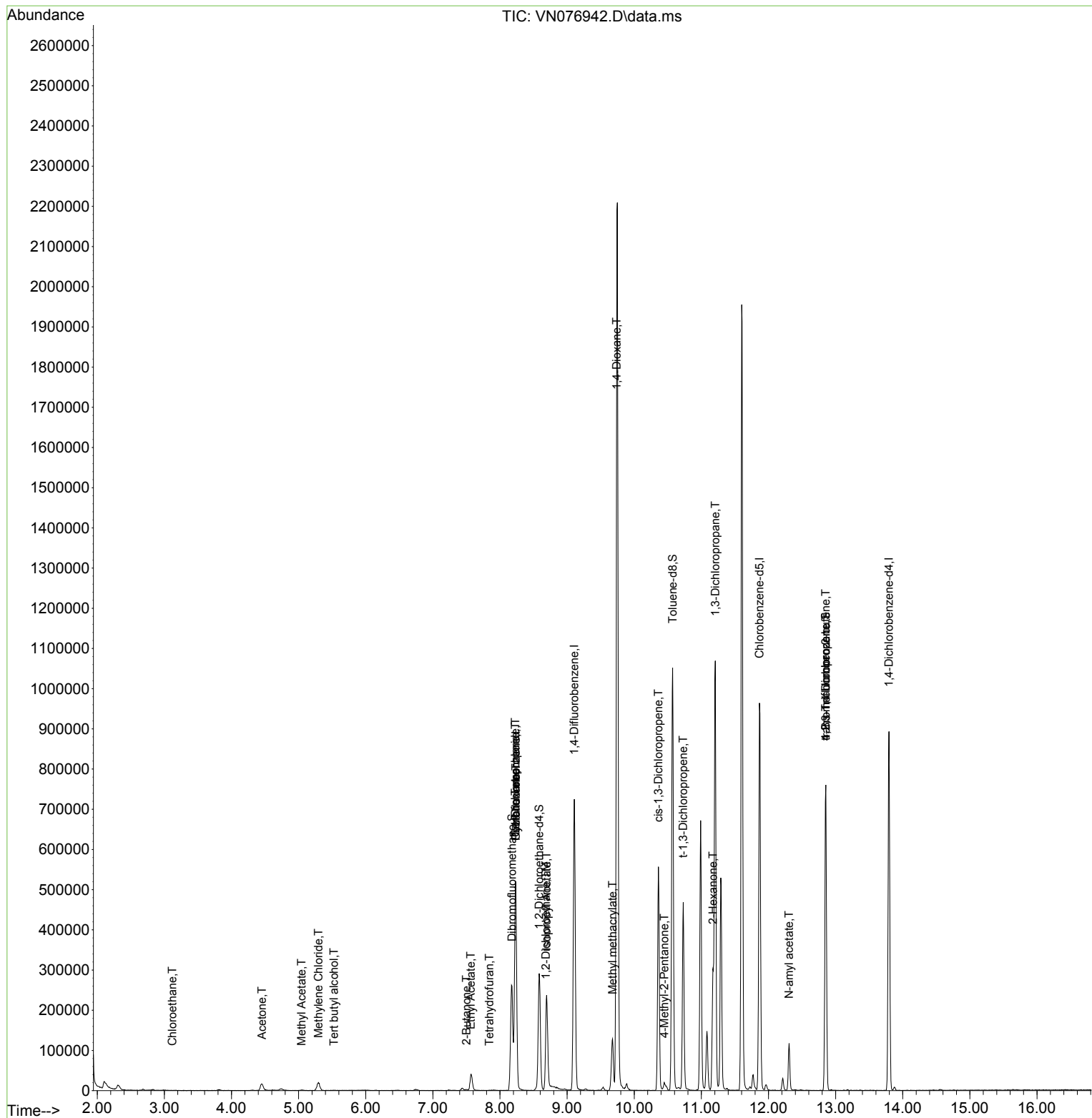
Internal Standards						
1) Pentafluorobenzene	8.236	168	365088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	614993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	553296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	235406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	263744	48.410	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	96.820%	
35) Dibromofluoromethane	8.178	113	190490	46.475	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	92.960%	
50) Toluene-d8	10.572	98	732110	48.466	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.940%	
62) 4-Bromofluorobenzene	12.854	95	266442	48.223	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	96.440%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.119	64	535	0.255	ug/l #	42
11) Tert butyl alcohol	5.525	59	383	0.505	ug/l #	72
16) Acetone	4.454	43	33413	17.699	ug/l	97
18) Methyl Acetate	5.043	43	2947	0.423	ug/l #	68
20) Methylene Chloride	5.296	84	16334	3.365	ug/l	97
25) 2-Butanone	7.501	43	3025	1.127	ug/l #	88
29) Tetrahydrofuran	7.842	42	672	0.404	ug/l #	36
31) Cyclohexane	8.236	56	8009	1.025	ug/l #	34
36) 1,1-Dichloropropene	8.231	75	29602	4.670	ug/l #	50
37) Ethyl Acetate	7.566	43	56352	11.116	ug/l	98
38) Carbon Tetrachloride	8.231	117	41248	5.560	ug/l #	16
42) 1,2-Dichloroethane	8.684	62	1814	0.249	ug/l #	71
43) Isopropyl Acetate	8.695	43	271445	30.333	ug/l #	83
48) Methyl methacrylate	9.678	41	6997	1.596	ug/l #	30
49) 1,4-Dioxane	9.736	88	133	1.602	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	18899	3.516	ug/l #	70
53) t-1,3-Dichloropropene	10.730	75	1678	0.247	ug/l #	59
54) cis-1,3-Dichloropropene	10.360	75	101627	13.627	ug/l #	67
57) 1,3-Dichloropropane	11.207	76	11324	1.435	ug/l #	42
59) 2-Hexanone	11.172	43	219741	56.061	ug/l #	17
74) N-amyl acetate	12.307	43	35326	5.086	ug/l #	42
76) 1,2,3-Trichloropropane	12.854	75	150807	26.424	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	150807	86.313	ug/l #	15

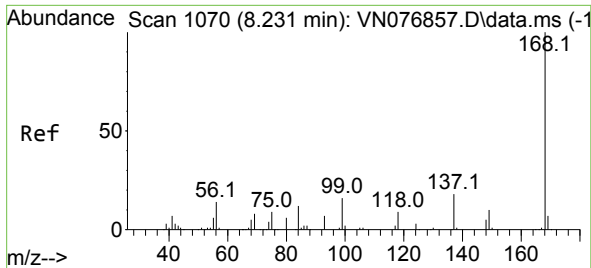
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
Response via : Initial Calibration

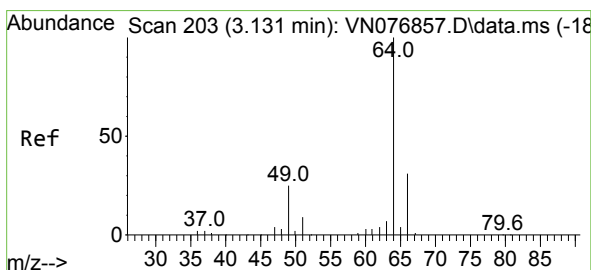
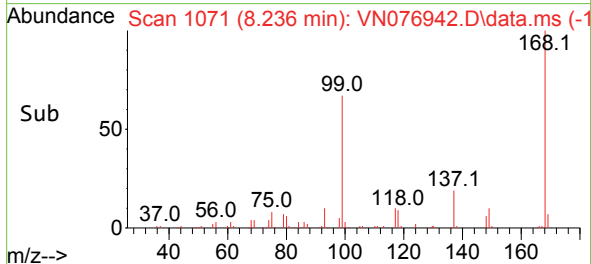
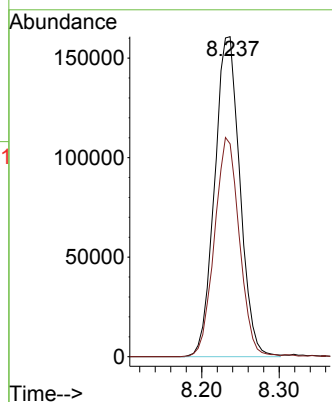
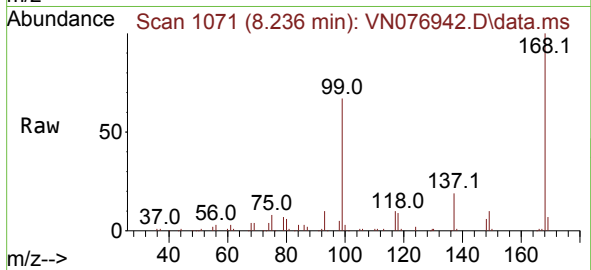




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

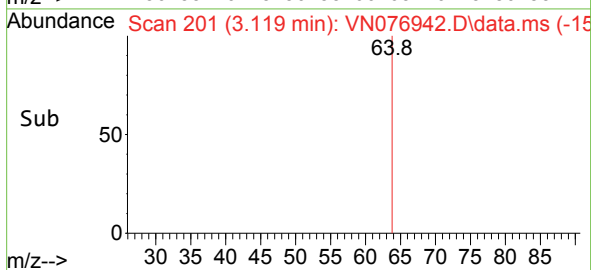
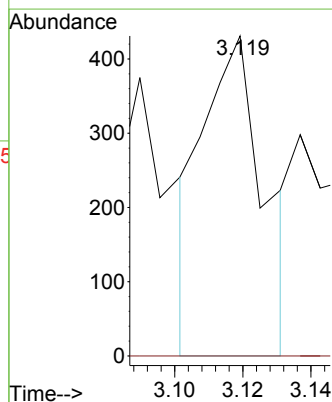
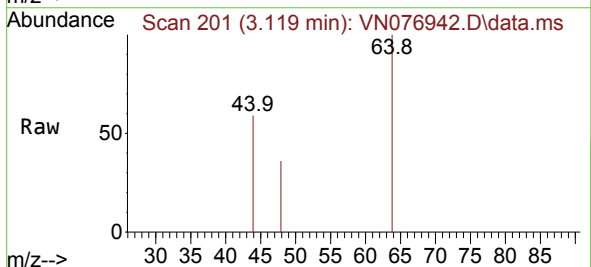
Instrument :
MSVOA_N
ClientSampleId :
46

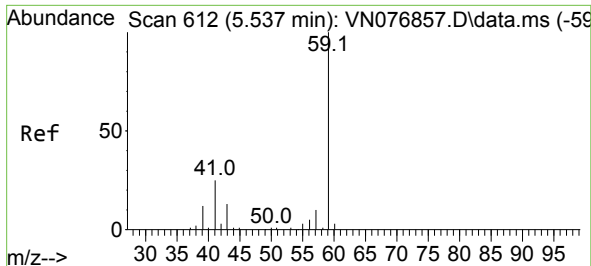
Tgt Ion:168 Resp: 365088
Ion Ratio Lower Upper
168 100
99 66.5 48.6 73.0



#6
Chloroethane
Concen: 0.255 ug/l
RT: 3.119 min Scan# 201
Delta R.T. -0.012 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 64 Resp: 535
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

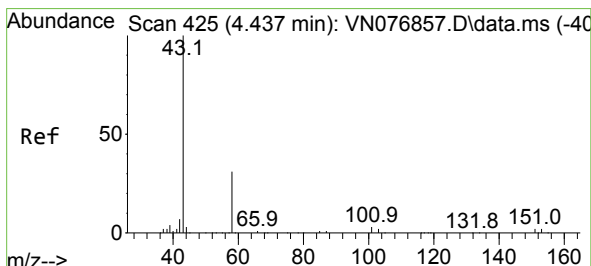
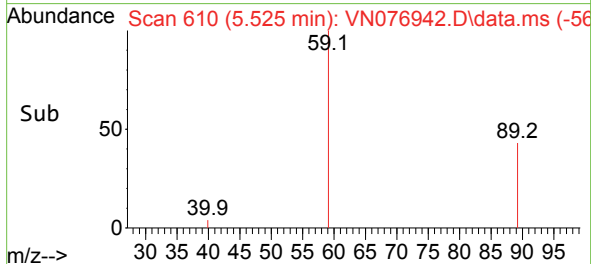
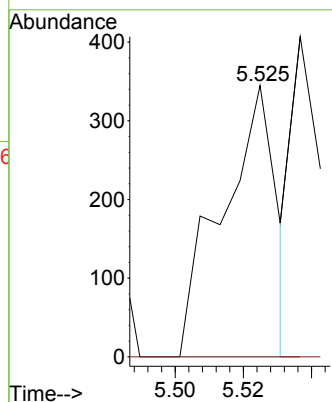
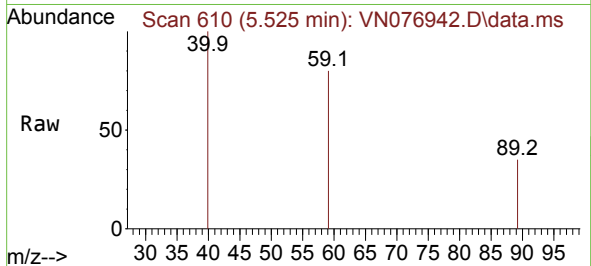




#11
Tert butyl alcohol
Concen: 0.505 ug/l
RT: 5.525 min Scan# 612
Delta R.T. -0.006 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

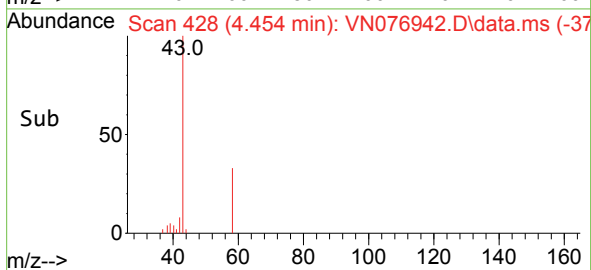
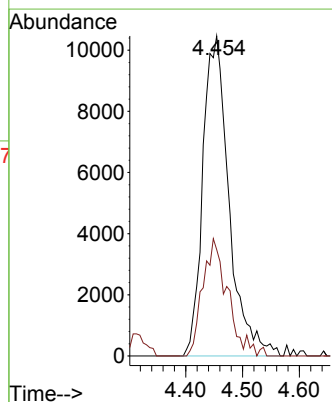
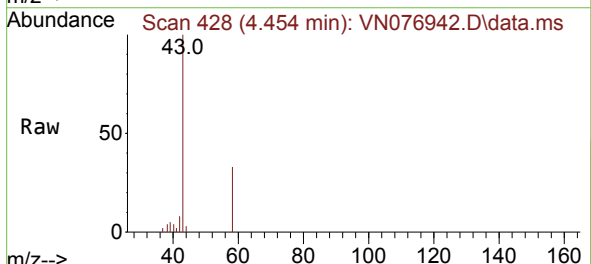
Instrument :
MSVOA_N
ClientSampleId :
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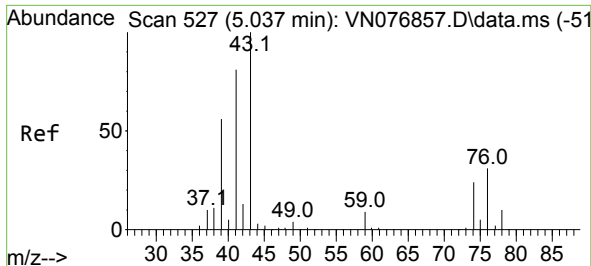
Tgt Ion: 59 Resp: 383
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 17.699 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.018 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 43 Resp: 33413
Ion Ratio Lower Upper
43 100
58 33.3 28.2 42.2

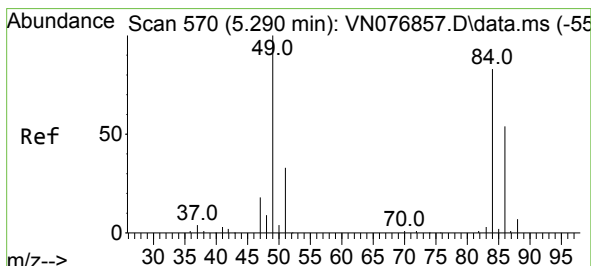
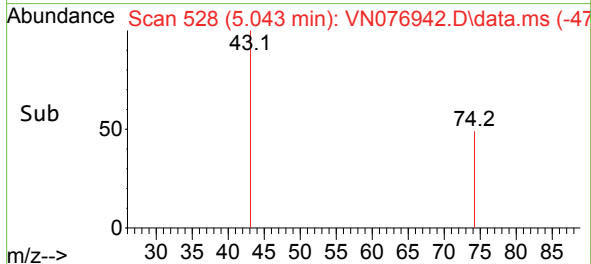
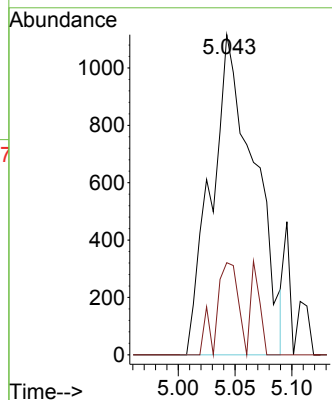
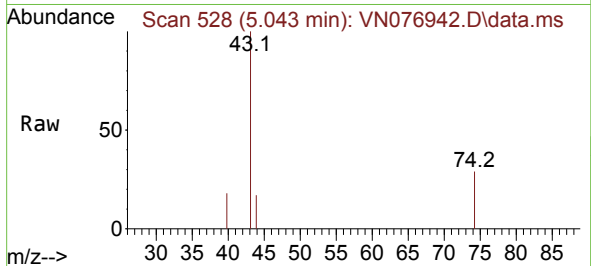




#18
Methyl Acetate
Concen: 0.423 ug/l
RT: 5.043 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

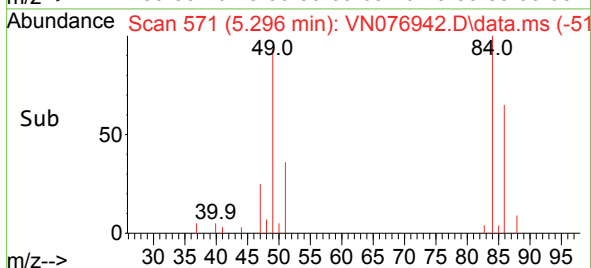
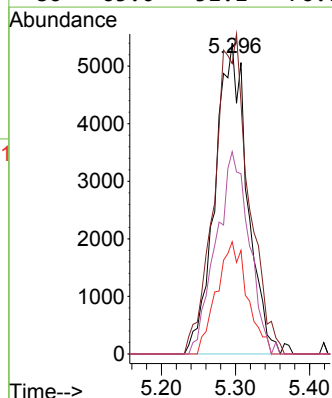
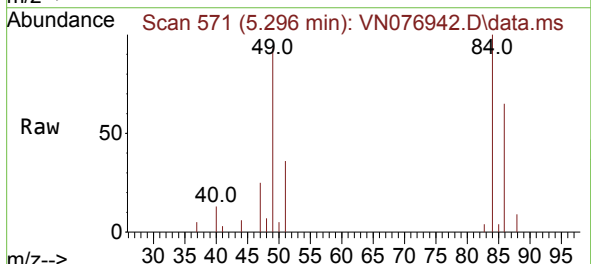
Instrument :
MSVOA_N
ClientSampleId :
46

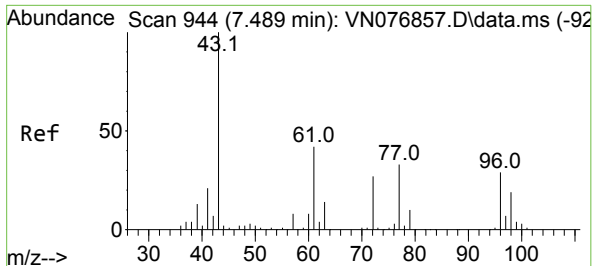
Tgt Ion: 43 Resp: 2947
Ion Ratio Lower Upper
43 100
74 14.6 25.9 38.9#



#20
Methylene Chloride
Concen: 3.365 ug/l
RT: 5.296 min Scan# 571
Delta R.T. 0.006 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 84 Resp: 16334
Ion Ratio Lower Upper
84 100
49 93.4 76.6 114.8
51 36.1 25.4 38.2
86 65.0 51.1 76.7

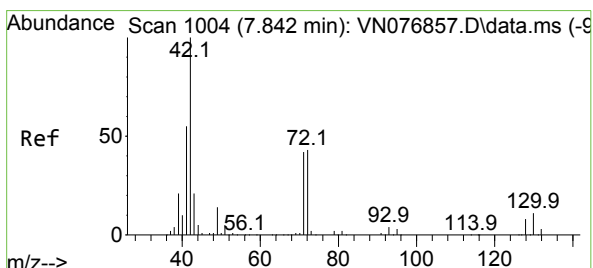
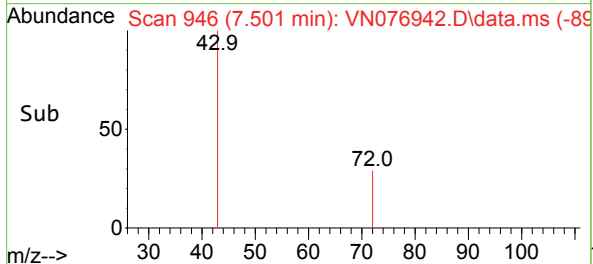
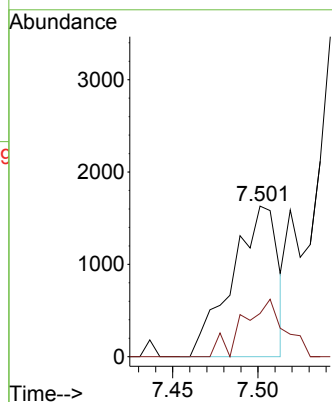
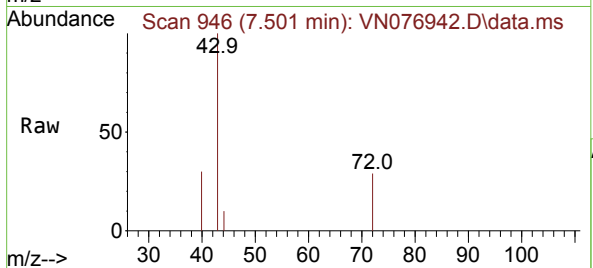




#25
2-Butanone
Concen: 1.127 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

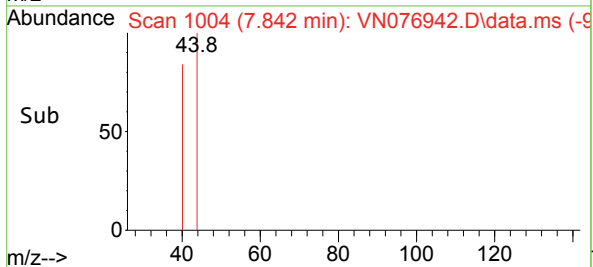
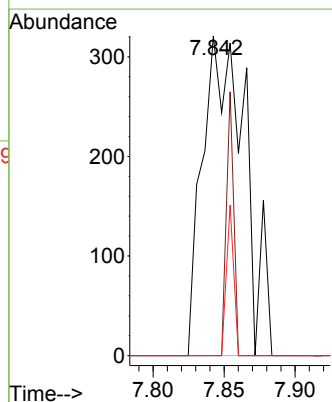
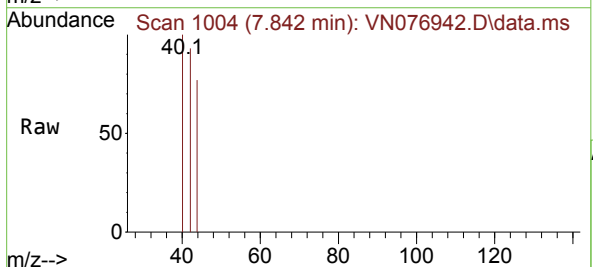
Instrument :
MSVOA_N
ClientSampleId :
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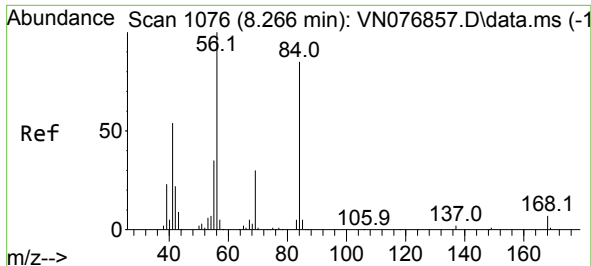
Tgt Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
72 28.7 28.8 43.2#



#29
Tetrahydrofuran
Concen: 0.404 ug/l
RT: 7.842 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 42 Resp: 672
Ion Ratio Lower Upper
42 100
72 14.0 48.6 73.0#
71 7.9 45.1 67.7#

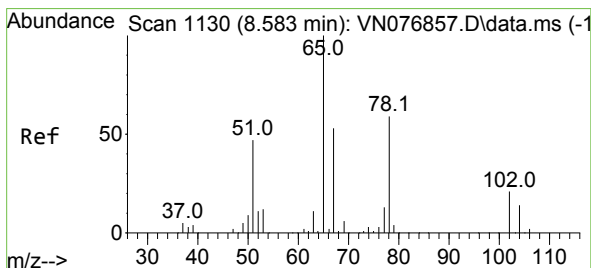
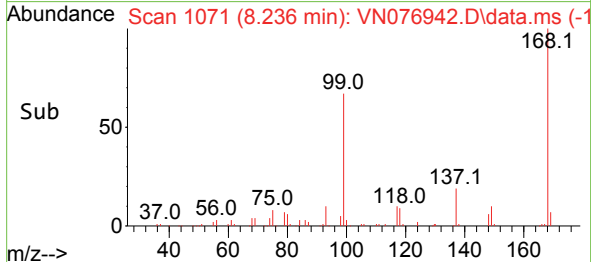
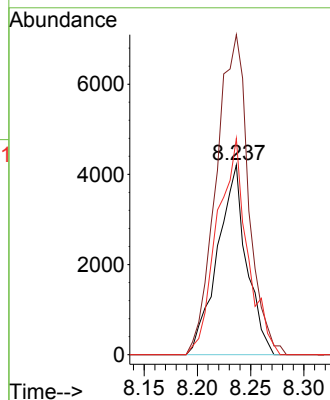
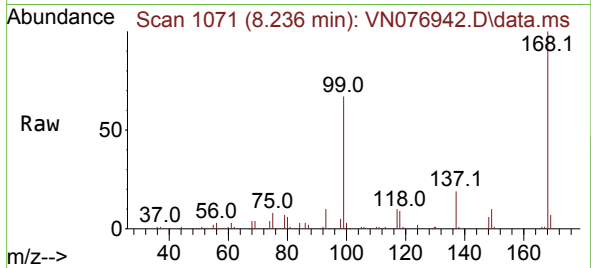




#31
Cyclohexane
Concen: 1.025 ug/l
RT: 8.236 min Scan# 1076
Delta R.T. -0.029 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

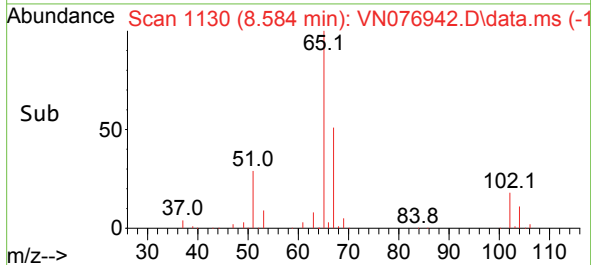
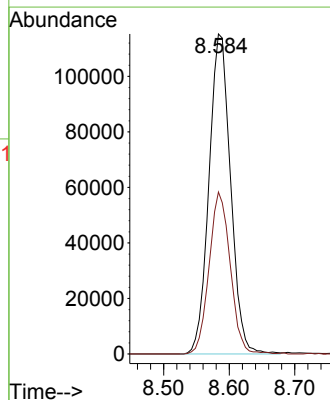
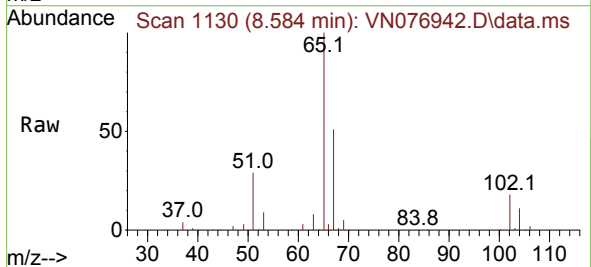
Instrument :
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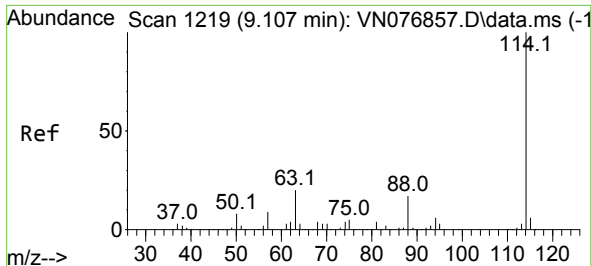
Tgt Ion: 56 Resp: 8009
Ion Ratio Lower Upper
56 100
69 168.6 27.0 40.6#
84 113.9 82.9 124.3



#33
1,2-Dichloroethane-d4
Concen: 48.410 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 65 Resp: 263744
Ion Ratio Lower Upper
65 100
67 49.4 0.0 107.2

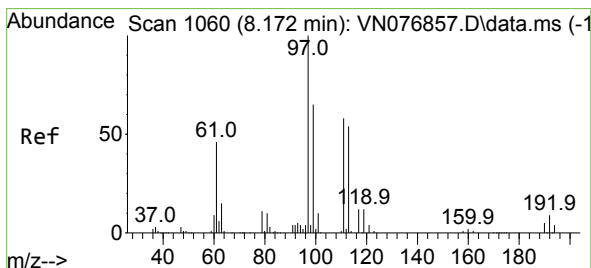
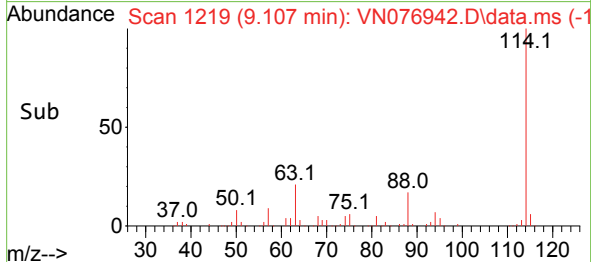
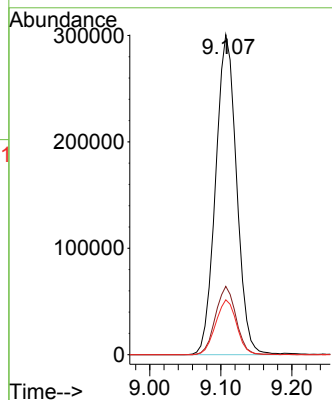
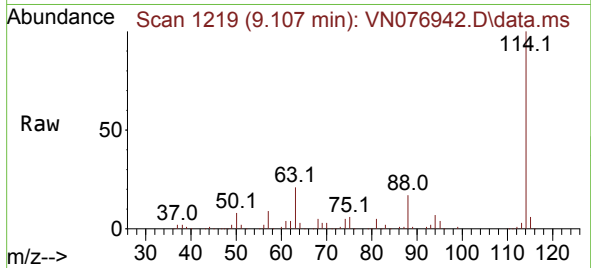




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

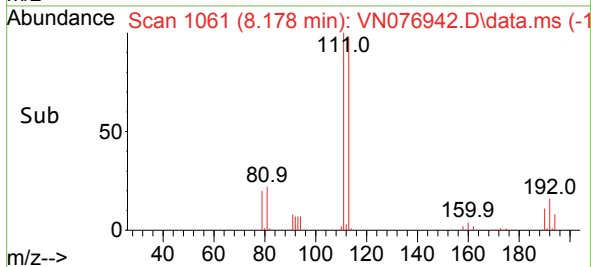
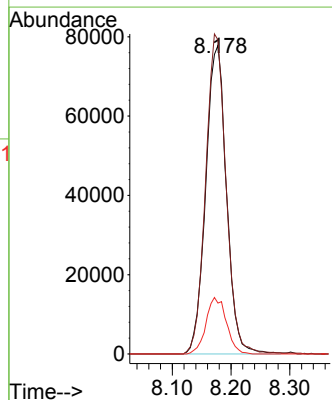
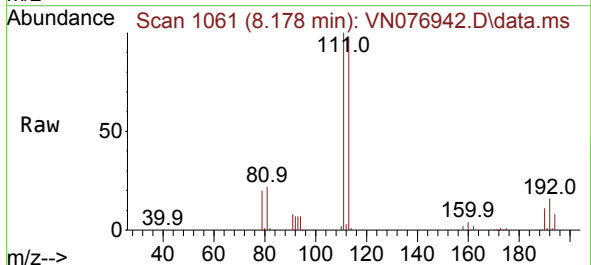
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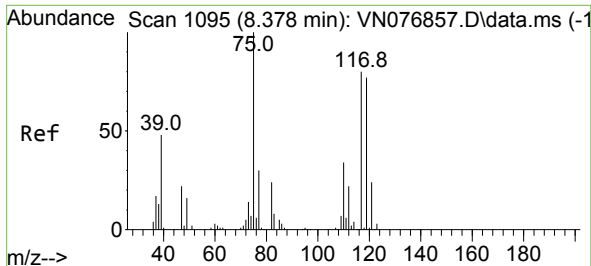
Tgt Ion:114 Resp: 614993
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.6
88 17.1 0.0 28.6



#35
Dibromofluoromethane
Concen: 46.475 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion:113 Resp: 190490
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 18.0 13.9 20.9





#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 8.231 min Scan# 1095

Delta R.T. -0.147 min

Lab File: VN076942.D

Acq: 10 Mar 2023 22:27

Instrument :

MSVOA_N

ClientSampleId :

46

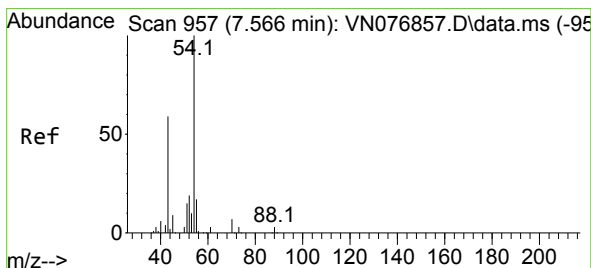
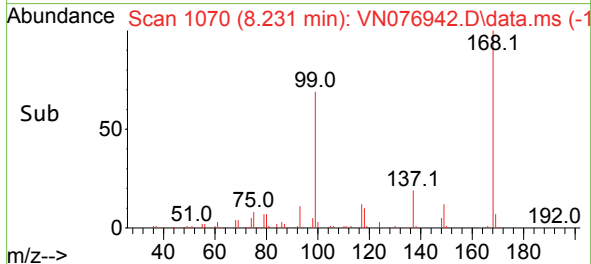
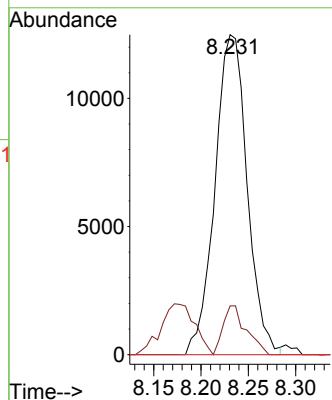
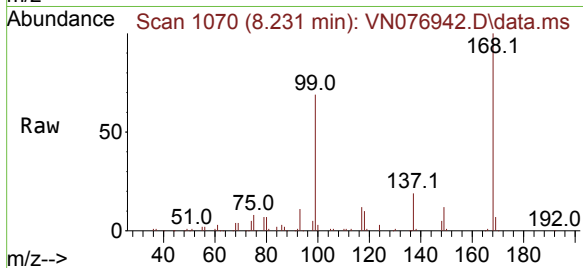
Tgt Ion: 75 Resp: 29602

Ion Ratio Lower Upper

75 100

110 10.9 18.9 56.9#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 11.116 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN076942.D

Acq: 10 Mar 2023 22:27

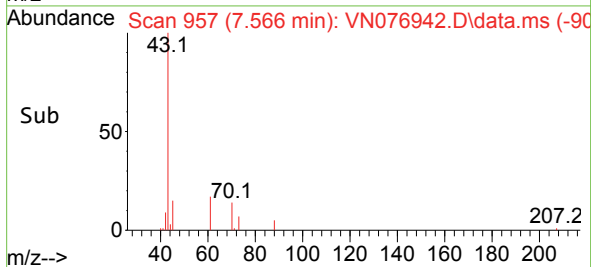
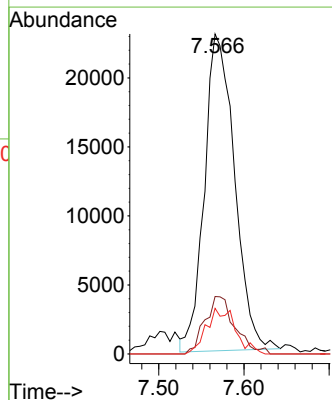
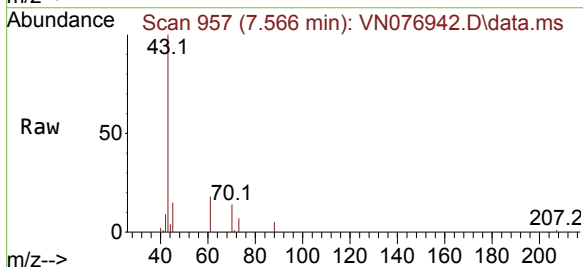
Tgt Ion: 43 Resp: 56352

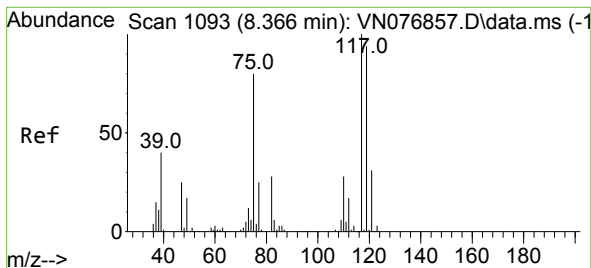
Ion Ratio Lower Upper

43 100

61 18.1 13.5 20.3

70 13.9 11.0 16.6





#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 8.231 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VN076942.D

Acq: 10 Mar 2023 22:27

Instrument :

MSVOA_N

ClientSampleId :

46

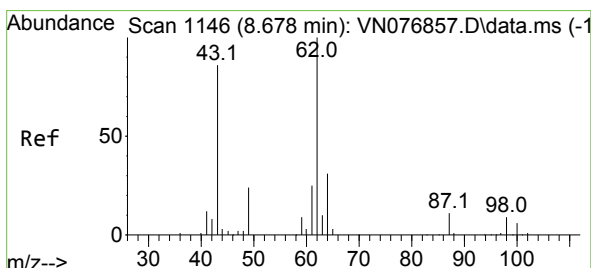
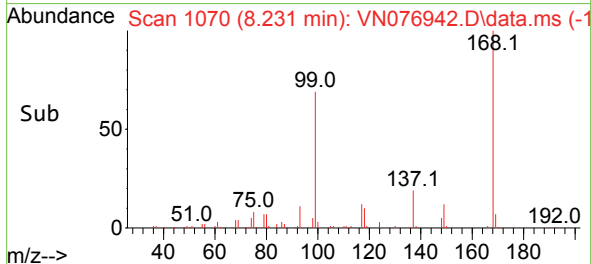
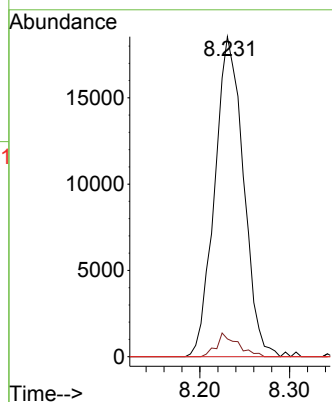
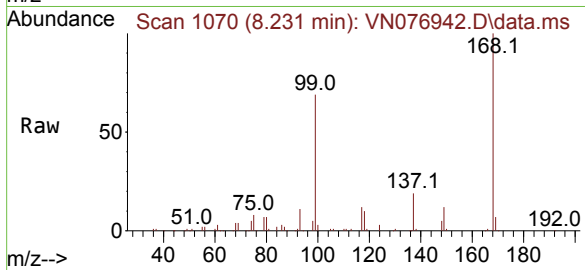
Tgt Ion:117 Resp: 41248

Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

121 0.0 23.2 34.8#



#42

1,2-Dichloroethane

Concen: 0.249 ug/l

RT: 8.684 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN076942.D

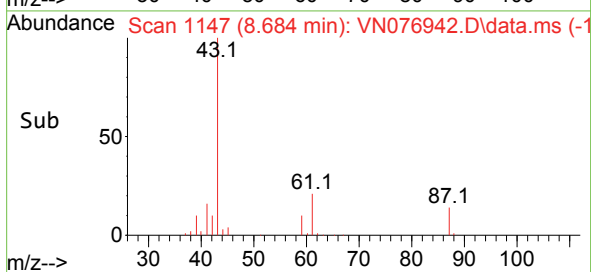
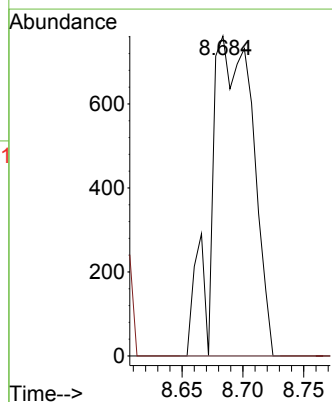
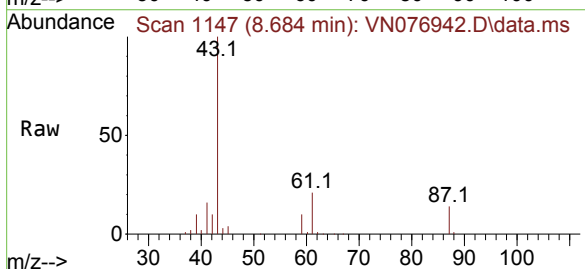
Acq: 10 Mar 2023 22:27

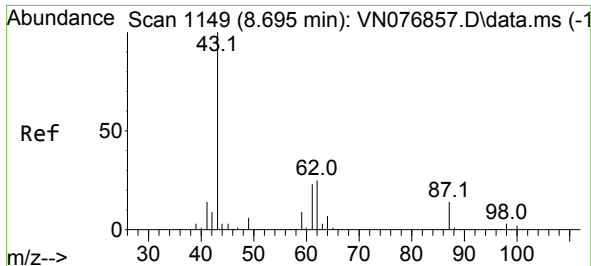
Tgt Ion: 62 Resp: 1814

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8

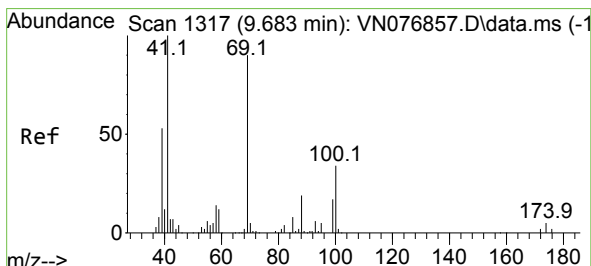
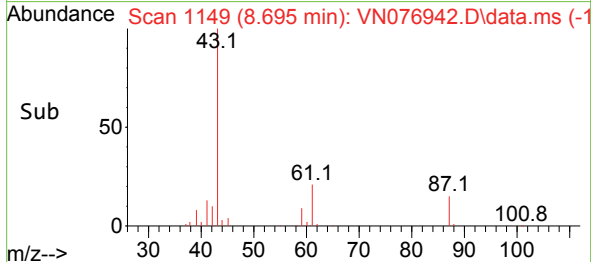
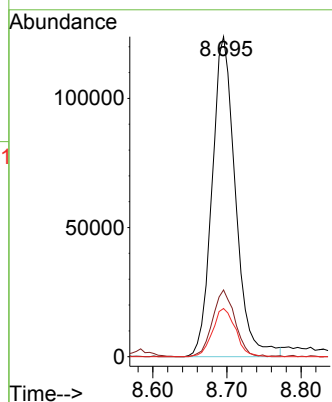
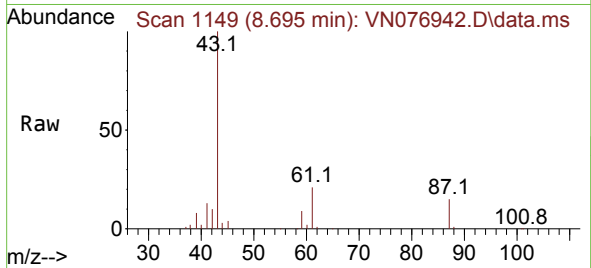




#43
Isopropyl Acetate
Concen: 30.333 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

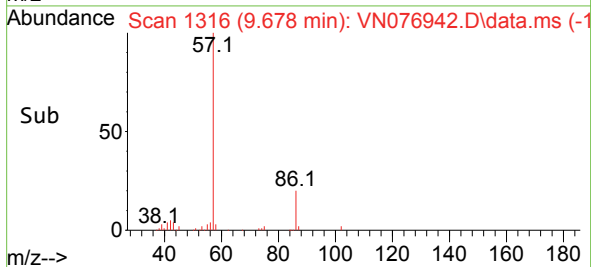
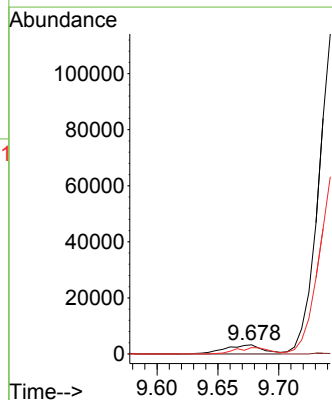
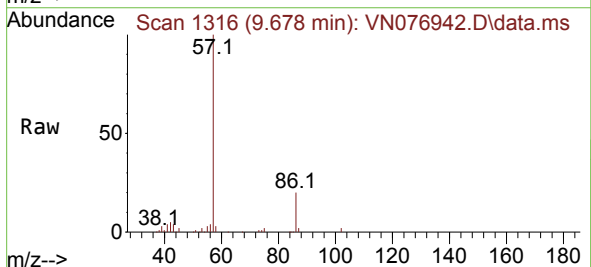
Instrument :
MSVOA_N
ClientSampleId :
46

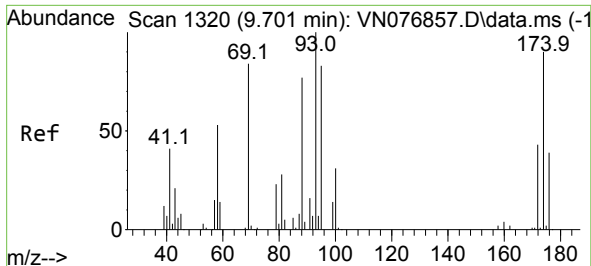
Tgt Ion: 43 Resp: 271445
Ion Ratio Lower Upper
43 100
61 20.1 26.2 39.2#
87 14.8 14.8 22.2#



#48
Methyl methacrylate
Concen: 1.596 ug/l
RT: 9.678 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 41 Resp: 6997
Ion Ratio Lower Upper
41 100
69 0.0 92.6 139.0#
39 61.3 51.4 77.0





#49

1,4-Dioxane

Concen: 1.602 ug/l

RT: 9.736 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN076942.D

Acq: 10 Mar 2023 22:27

Instrument :

MSVOA_N

ClientSampleId :

46

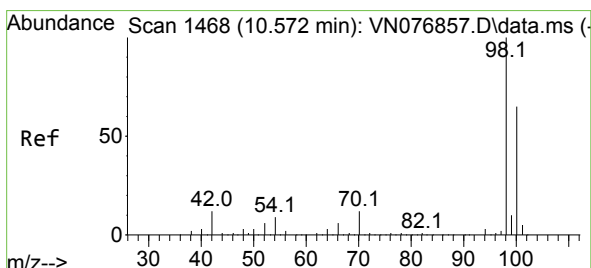
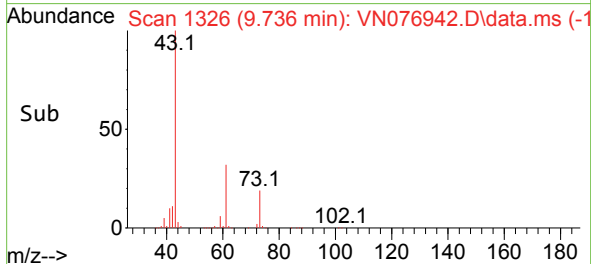
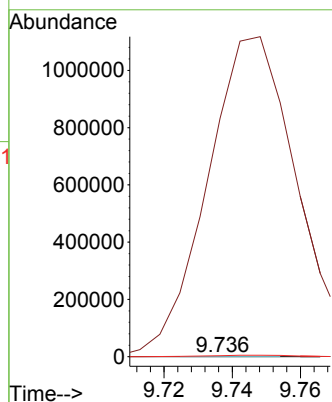
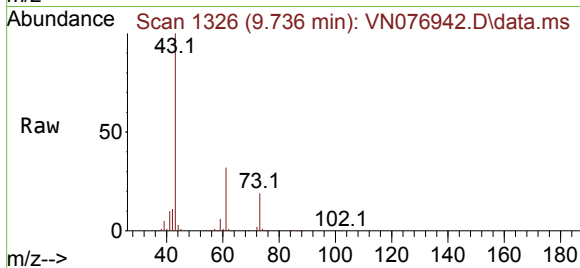
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 1550434.6 15.3 22.9#

58 7372.2 47.6 71.4#



#50

Toluene-d8

Concen: 48.466 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076942.D

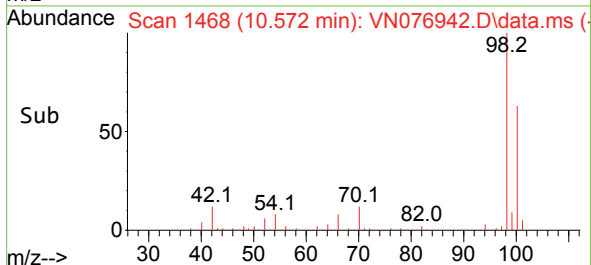
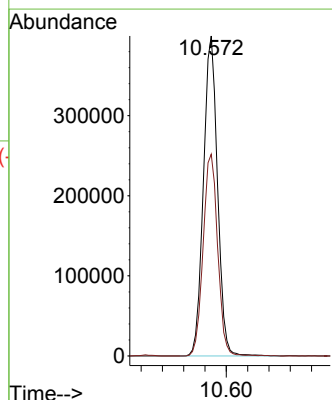
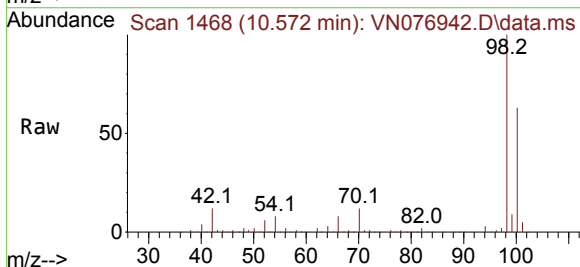
Acq: 10 Mar 2023 22:27

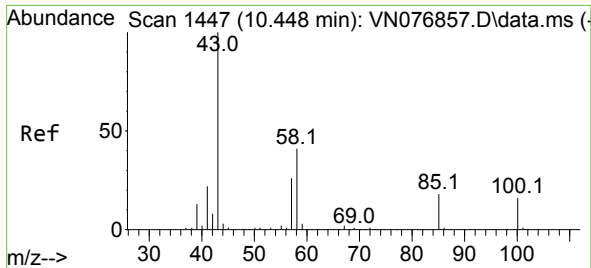
Tgt Ion: 98 Resp: 732110

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2

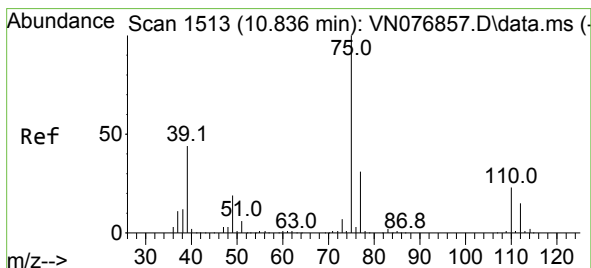
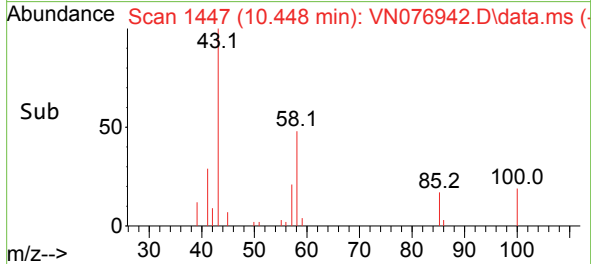
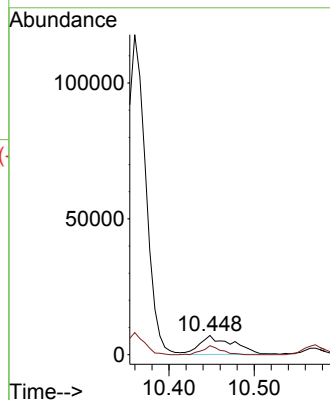
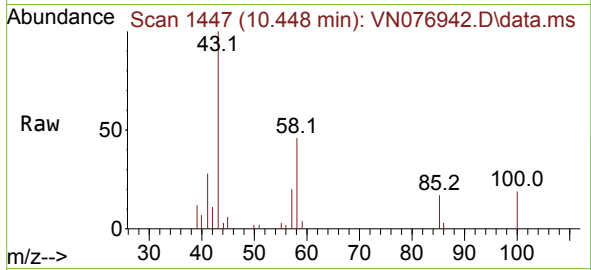




#51
4-Methyl-2-Pentanone
Concen: 3.516 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

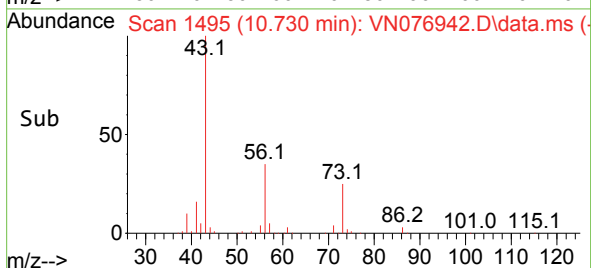
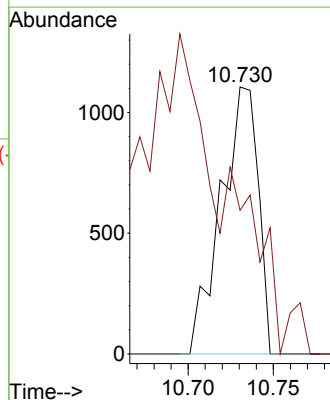
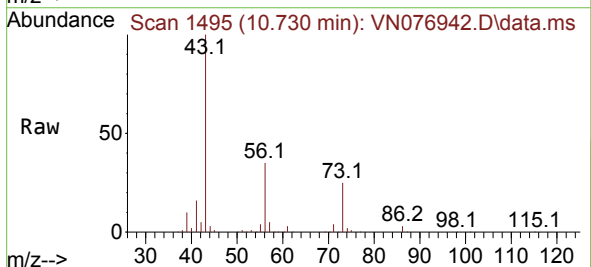
Instrument :
MSVOA_N
ClientSampleId :
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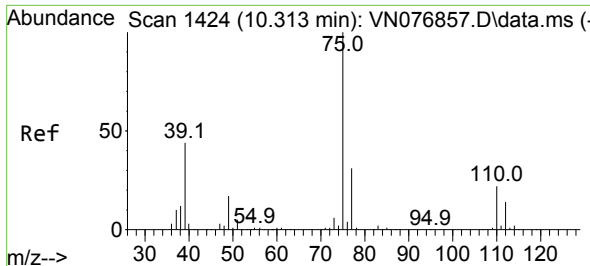
Tgt Ion: 43 Resp: 18899
Ion Ratio Lower Upper
43 100
58 26.5 37.4 56.0#



#53
t-1,3-Dichloropropene
Concen: 0.247 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 75 Resp: 1678
Ion Ratio Lower Upper
75 100
77 53.8 25.0 37.6#

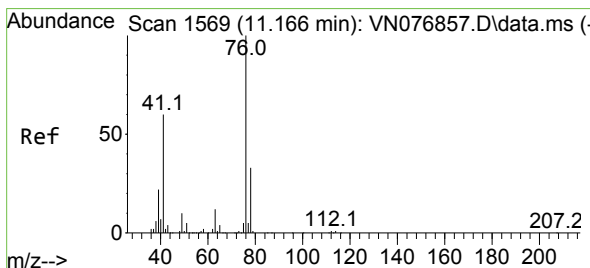
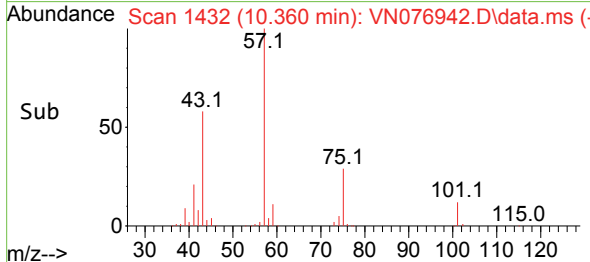
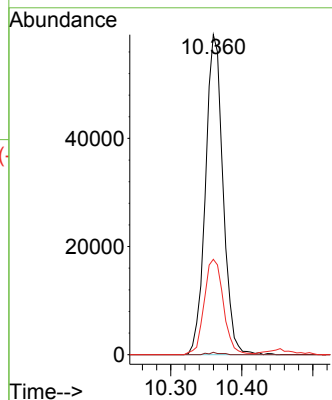
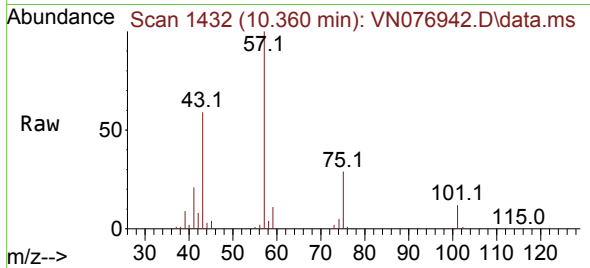




#54
 cis-1,3-Dichloropropene
 Concen: 13.627 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076942.D
 Acq: 10 Mar 2023 22:27

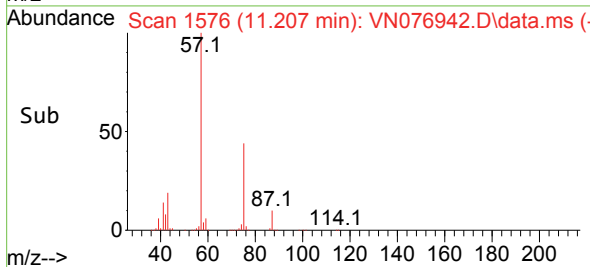
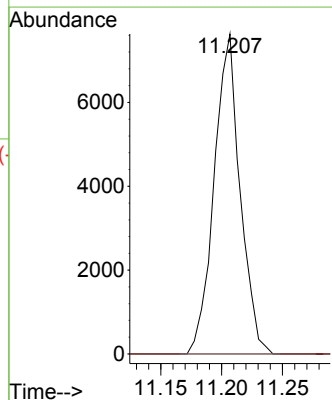
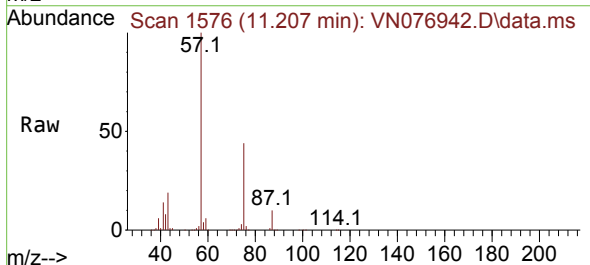
Instrument :
 MSVOA_N
 ClientSampleId :
 46

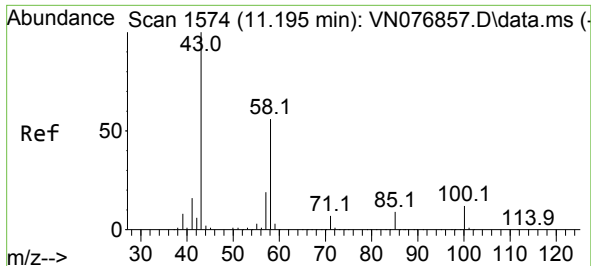
Tgt Ion: 75 Resp: 101627
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.7 38.5#
 39 29.8 29.7 44.5



#57
 1,3-Dichloropropane
 Concen: 1.435 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN076942.D
 Acq: 10 Mar 2023 22:27

Tgt Ion: 76 Resp: 11324
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

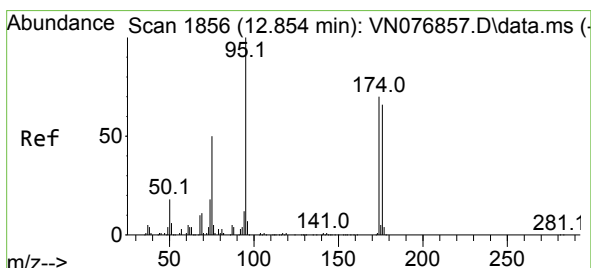
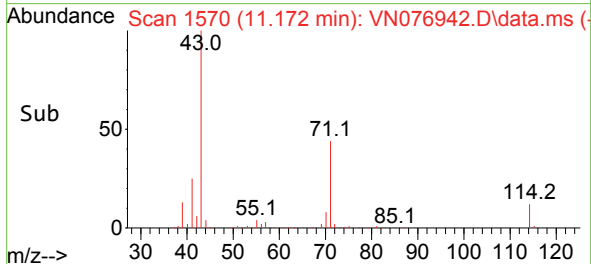
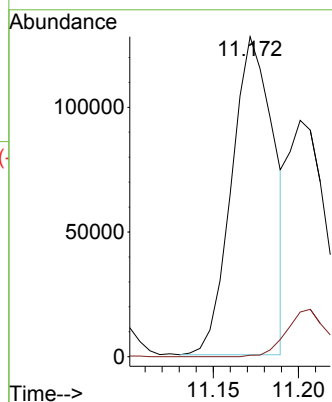
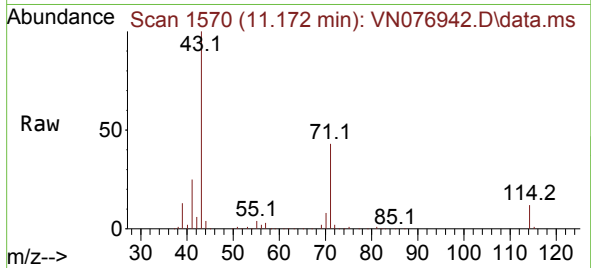




#59
2-Hexanone
Concen: 56.061 ug/l
RT: 11.172 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

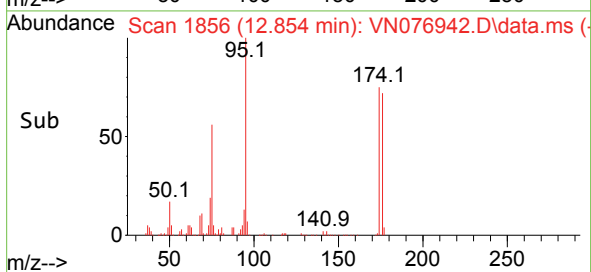
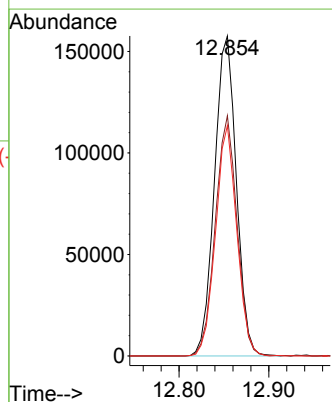
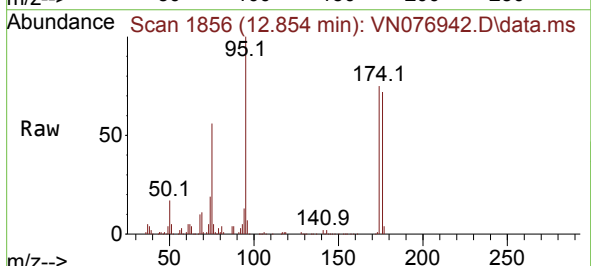
Instrument :
MSVOA_N
ClientSampleId :
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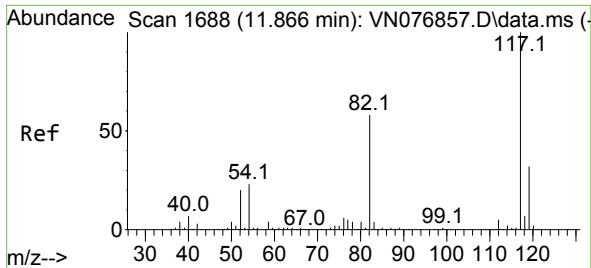
Tgt Ion: 43 Resp: 219741
Ion Ratio Lower Upper
43 100
58 0.0 32.6 98.0#



#62
4-Bromofluorobenzene
Concen: 48.223 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion: 95 Resp: 266442
Ion Ratio Lower Upper
95 100
174 74.8 0.0 162.4
176 70.0 0.0 157.4

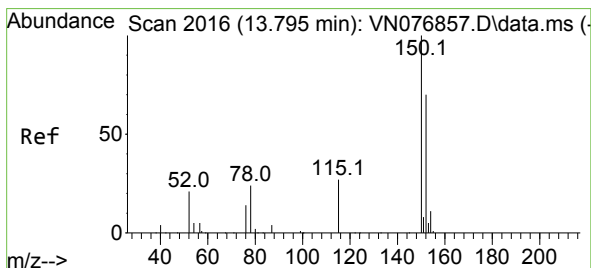
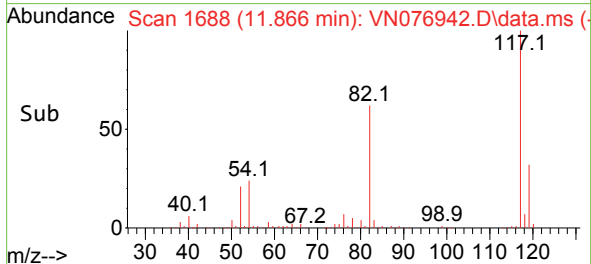
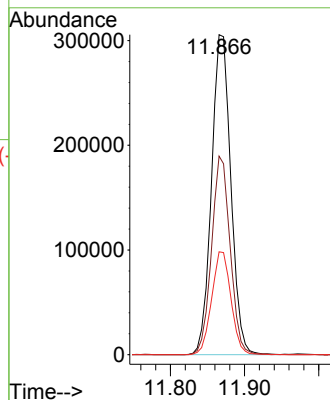
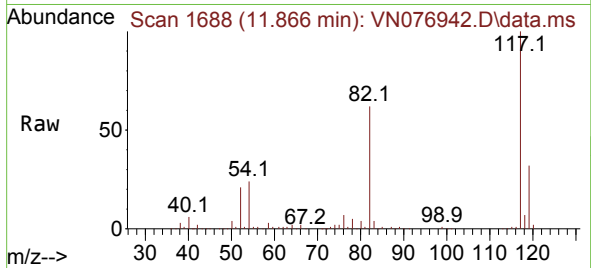




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

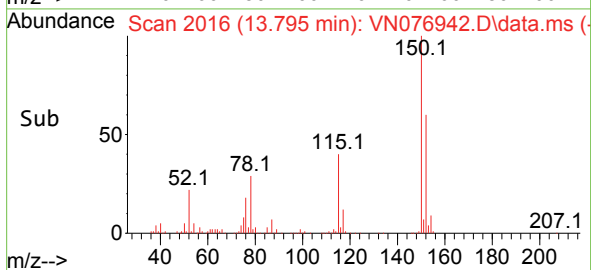
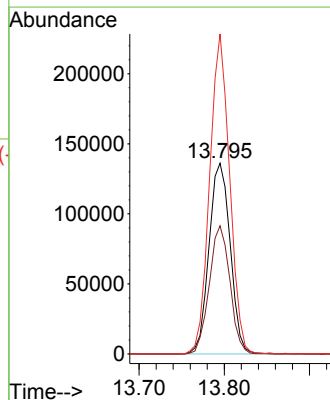
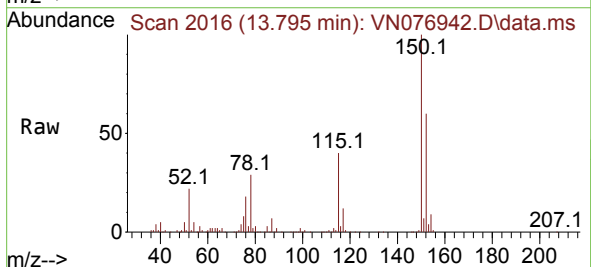
Instrument :
MSVOA_N
ClientSampleId :
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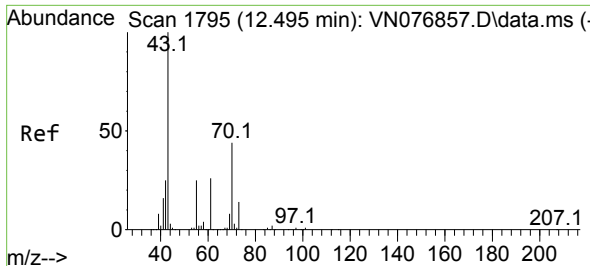
Tgt Ion:117 Resp: 553296
Ion Ratio Lower Upper
117 100
82 62.1 43.5 65.3
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

Tgt Ion:152 Resp: 235406
Ion Ratio Lower Upper
152 100
115 65.3 30.3 90.9
150 158.0 0.0 353.6

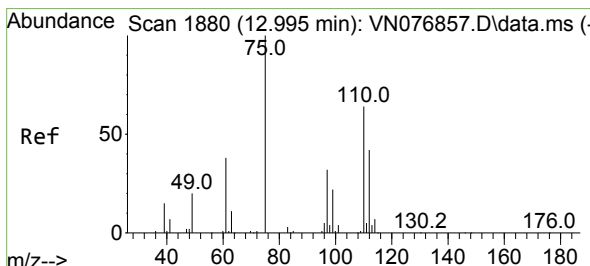
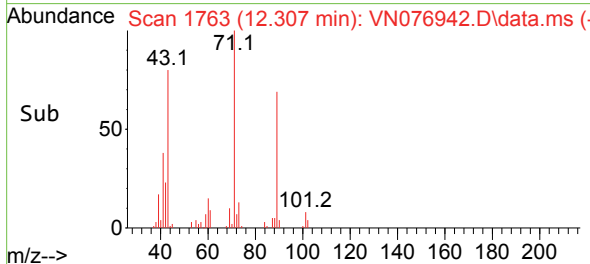
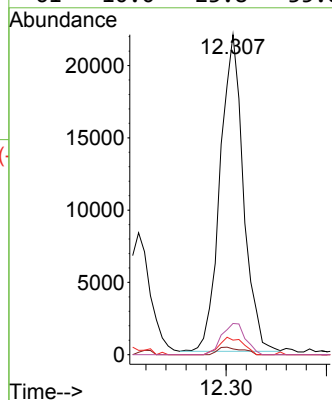
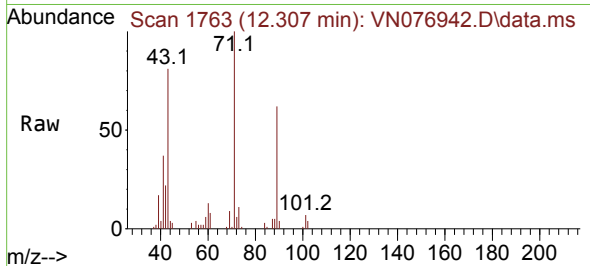




#74
N-amy1 acetate
Concen: 5.086 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

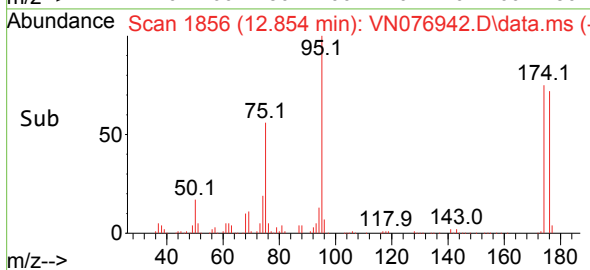
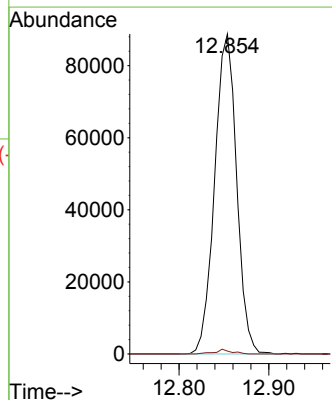
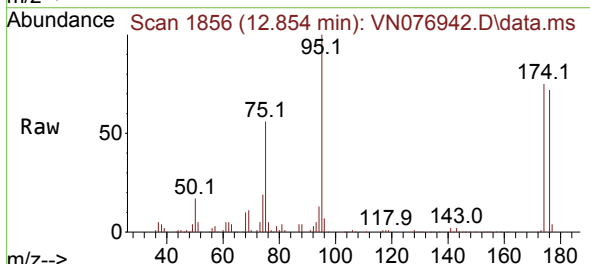
Instrument :
MSVOA_N
ClientSampleId :
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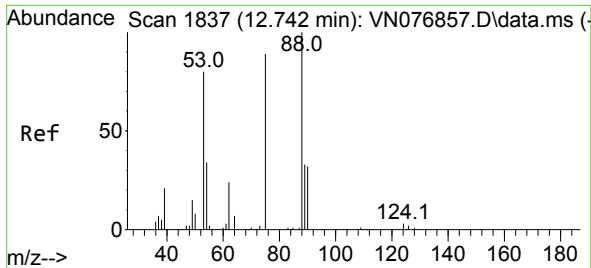
Tgt Ion: 43	Resp: 35326
Ion Ratio	Lower Upper
43	100
70	2.5 46.8 70.2#
55	5.6 23.4 35.2#
61	10.0 23.8 35.8#



#76
1,2,3-Trichloropropane
Concen: 26.424 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076942.D
Acq: 10 Mar 2023 22:27

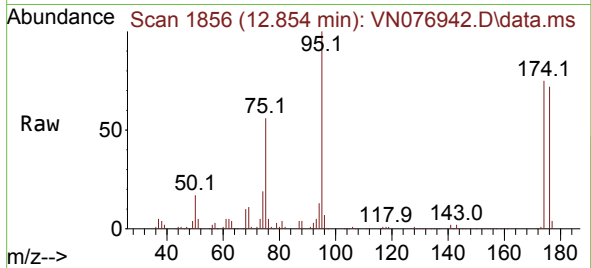
Tgt Ion: 75	Resp: 150807
Ion Ratio	Lower Upper
75	100
77	1.1 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.313 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN076942.D
 Acq: 10 Mar 2023 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 46



Tgt Ion: 75 Resp: 150807
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.1 39.5 59.3#

