

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076945.D
 Acq On : 10 Mar 2023 23:39
 Operator : JC\MD
 Sample : 01841-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MORRIS-030823

Quant Time: Mar 13 01:27:36 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	398892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	602317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	528789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	296114	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.613	65	283992	47.709	ug/l	0.03
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.420%
35) Dibromofluoromethane	8.178	113	176229	43.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.800%
50) Toluene-d8	10.577	98	753766	50.949	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.900%
62) 4-Bromofluorobenzene	12.854	95	283814	52.448	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.900%

Target Compounds					Qvalue	
3) Chloromethane	2.325	50	111717	28.734	ug/l #	66
5) Bromomethane	2.919	94	989	0.373	ug/l #	57
6) Chloroethane	3.172	64	1318	0.575	ug/l #	42
8) Diethyl Ether	3.966	74	2848681	945.526	ug/l	84
10) Methyl Iodide	4.596	142	3003	0.600	ug/l #	86
11) Tert butyl alcohol	5.572	59	3220024	3888.638	ug/l #	75
13) Acrolein	4.143	56	7847	10.543	ug/l #	1
14) Allyl chloride	5.031	41	32381	5.119	ug/l #	14
15) Acrylonitrile	5.807	53	58149	24.847	ug/l #	35
16) Acetone	4.437	43	6566859	3183.665	ug/l	91
17) Carbon Disulfide	4.713	76	12265	1.004	ug/l	96
18) Methyl Acetate	5.031	43	1921756	252.624	ug/l	92
19) Methyl tert-butyl Ether	5.801	73	1628083	103.846	ug/l #	5
20) Methylene Chloride	5.284	84	27031	5.097	ug/l #	42
22) Diisopropyl ether	6.719	45	9902193	707.613	ug/l #	1
23) Vinyl Acetate	6.748	43	721420	83.715	ug/l #	68
24) 1,1-Dichloroethane	6.701	63	42720	4.779	ug/l #	80
25) 2-Butanone	7.495	43	1402415	478.049	ug/l	89
26) 2,2-Dichloropropane	7.354	77	284227	35.931	ug/l #	53
29) Tetrahydrofuran	7.854	42	21400	11.769	ug/l	96
31) Cyclohexane	8.266	56	2165463	253.555	ug/l	94
36) 1,1-Dichloropropene	8.631	75	5317631	856.513	ug/l #	40
37) Ethyl Acetate	7.572	43	114962	23.155	ug/l #	78
38) Carbon Tetrachloride	8.236	117	47686	6.563	ug/l #	14
39) Methylcyclohexane	9.607	83	2585392	343.053	ug/l #	88
41) Methacrylonitrile	7.795	41	24675	8.352	ug/l #	29
42) 1,2-Dichloroethane	8.625	62	2777924	389.166	ug/l	71
43) Isopropyl Acetate	8.701	43	432742	49.374	ug/l #	1
45) 1,2-Dichloropropane	9.636	63	44483	9.879	ug/l #	67
48) Methyl methacrylate	9.748	41	151032	35.170	ug/l #	27
49) 1,4-Dioxane	9.701	88	20884	256.830	ug/l #	30
51) 4-Methyl-2-Pentanone	10.472	43	91844	17.444	ug/l	100
53) t-1,3-Dichloropropene	10.754	75	711825	107.026	ug/l #	52
54) cis-1,3-Dichloropropene	10.295	75	216488	29.639	ug/l #	1
55) 1,1,2-Trichloroethane	11.013	97	85567	19.526	ug/l #	20
56) Ethyl methacrylate	10.919	69	35564	5.351	ug/l #	1

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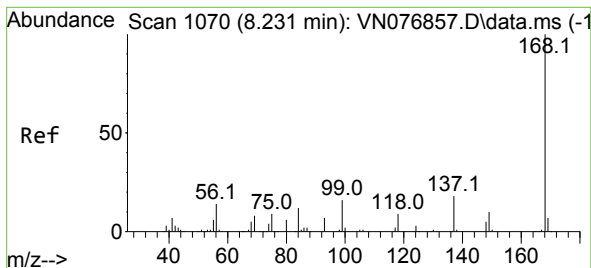
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

57) 1,3-Dichloropropane	11.201	76	8716	1.128	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.295	63	284736	134.526	ug/l #	88
59) 2-Hexanone	10.995	43	305600	79.606	ug/l	68
67) Ethyl Benzene	11.960	91	19245668	884.875	ug/l	96
68) m/p-Xylenes	11.972	106	7303719	893.454	ug/l #	56
69) o-Xylene	12.401	106	17725968	2233.563	ug/l #	1
70) Styrene	12.407	104	1127695	87.956	ug/l #	1
71) Bromoform	12.848	173	923	0.276	ug/l #	1
73) Isopropylbenzene	12.701	105	3532002	133.860	ug/l	95
74) N-amyl acetate	12.460	43	135966	15.564	ug/l #	33
75) 1,1,2,2-Tetrachloroethane	12.966	83	151660	19.534	ug/l #	26
76) 1,2,3-Trichloropropane	13.036	75	31584	4.399	ug/l #	1
78) n-propylbenzene	13.042	91	3721046	126.642	ug/l	96
79) 2-Chlorotoluene	13.101	91	1715492	90.034	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.177	105	8694730	386.840	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.742	75	11806	5.372	ug/l #	55
82) 4-Chlorotoluene	13.177	91	1064078	59.101	ug/l #	39
83) tert-Butylbenzene	13.442	119	95063	4.979	ug/l	85
84) 1,2,4-Trimethylbenzene	13.483	105	15658870	696.351	ug/l	96
85) sec-Butylbenzene	13.483	105	15658870	598.268	ug/l #	55
86) p-Isopropyltoluene	13.736	119	349463	16.534	ug/l	93
89) n-Butylbenzene	14.060	91	109952	6.234	ug/l #	68
90) Hexachloroethane	14.336	117	62669	15.431	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.754	75	33273	19.411	ug/l #	1
95) Naphthalene	15.642	128	530161	29.663	ug/l	100

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

Instrument :
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[illegible]



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 10

Delta R.T. 0.005 min

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Instrument :

MSVOA_N

ClientSampleId :

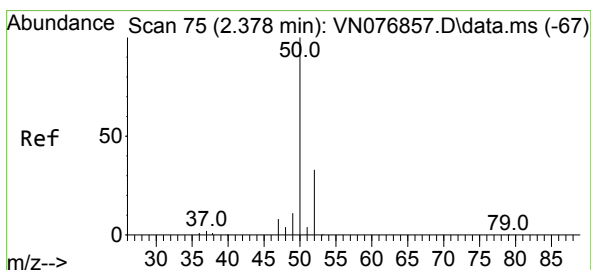
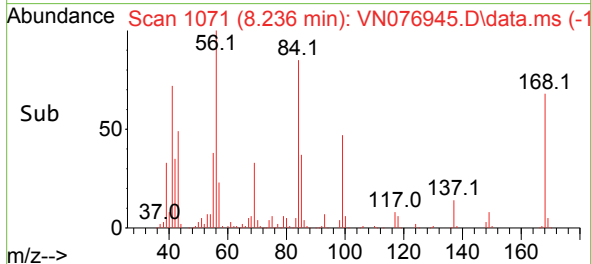
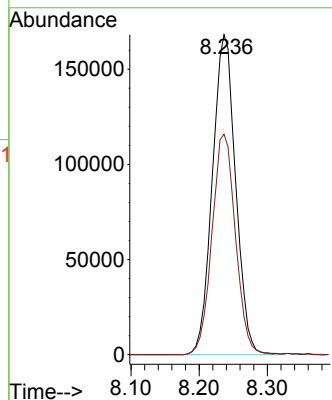
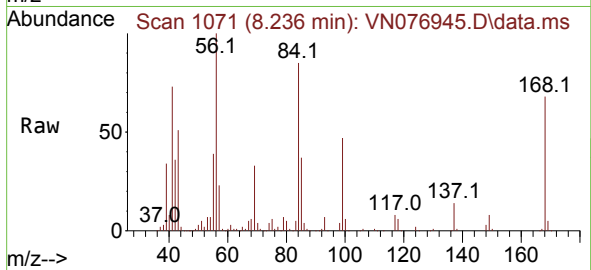
MORRIS-030823

Tgt Ion:168 Resp: 398892

Ion Ratio Lower Upper

168 100

99 68.9 48.6 73.0



#3

Chloromethane

Concen: 28.734 ug/l

RT: 2.325 min Scan# 66

Delta R.T. -0.053 min

Lab File: VN076945.D

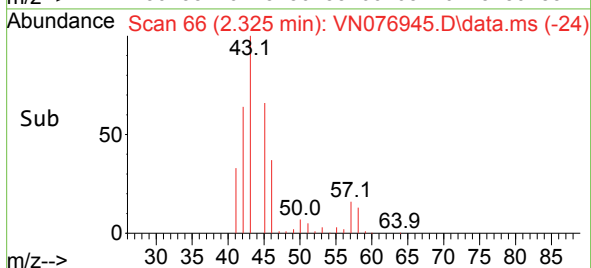
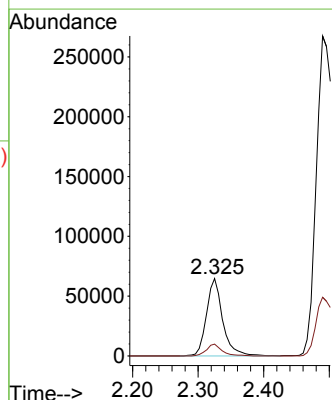
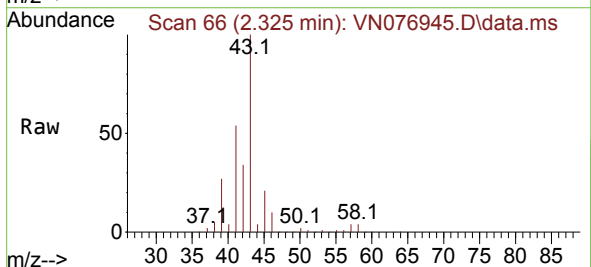
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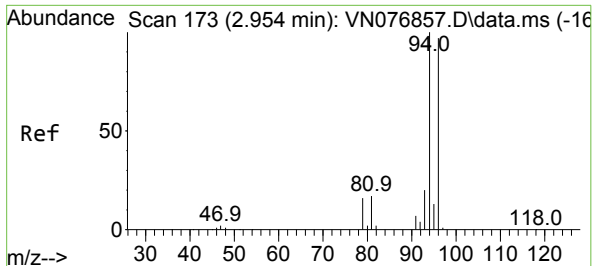
Tgt Ion: 50 Resp: 111717

Ion Ratio Lower Upper

50 100

52 15.4 27.9 41.9#

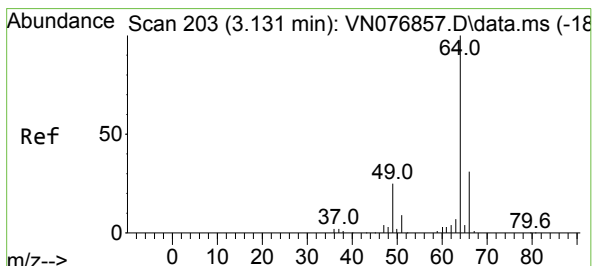
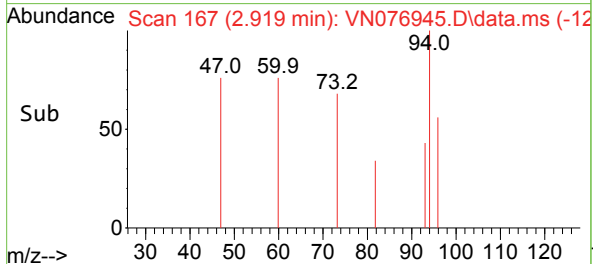
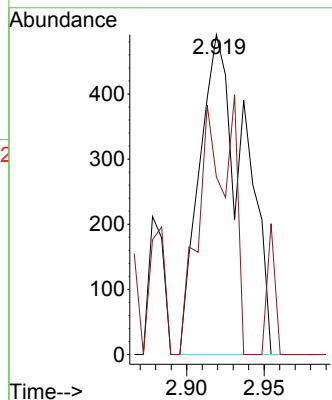
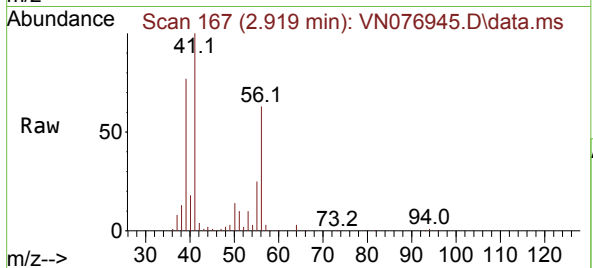




#5
Bromomethane
Concen: 0.373 ug/l
RT: 2.919 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

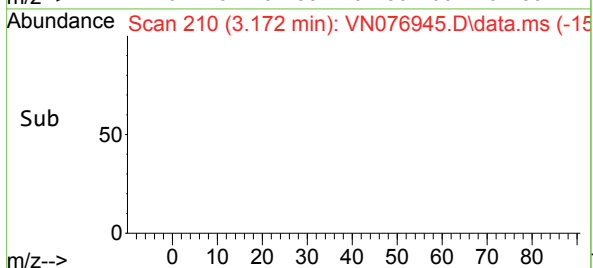
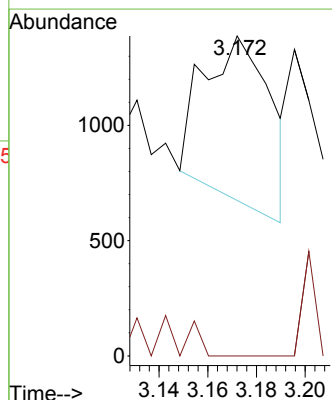
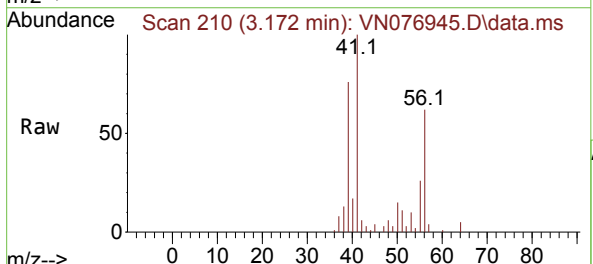
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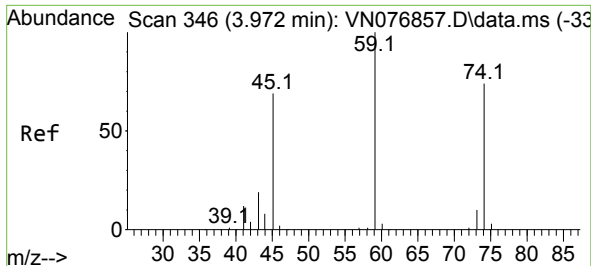
Tgt Ion: 94 Resp: 989
Ion Ratio Lower Upper
94 100
96 55.6 79.0 118.6#



#6
Chloroethane
Concen: 0.575 ug/l
RT: 3.172 min Scan# 210
Delta R.T. 0.041 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 64 Resp: 1318
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

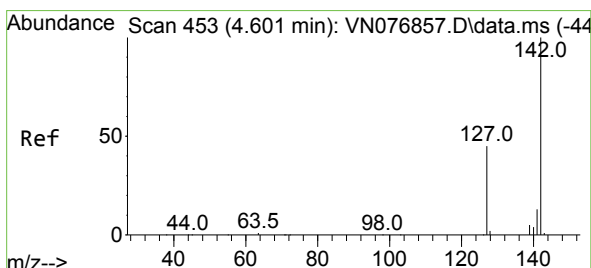
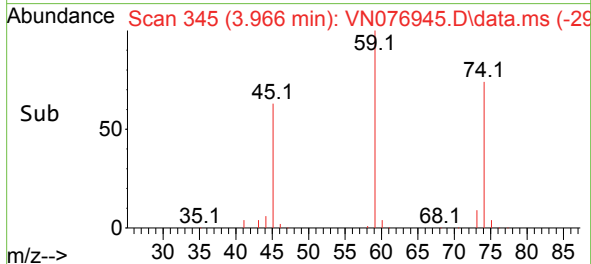
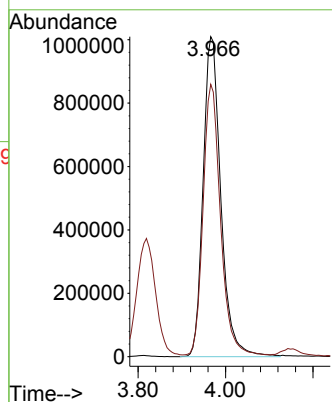
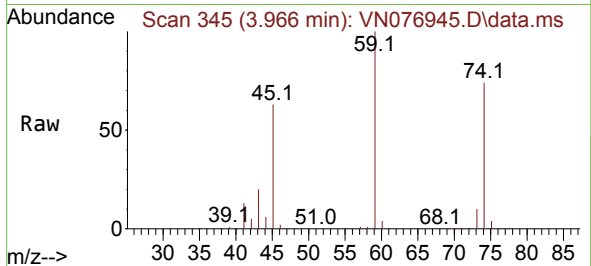




#8
Diethyl Ether
Concen: 945.526 ug/l
RT: 3.966 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

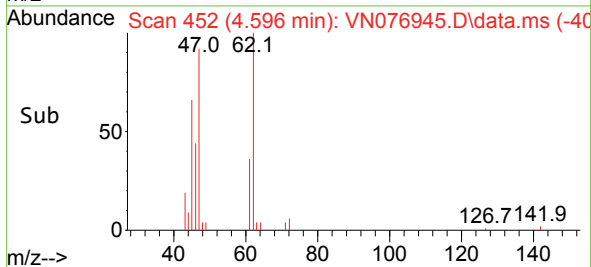
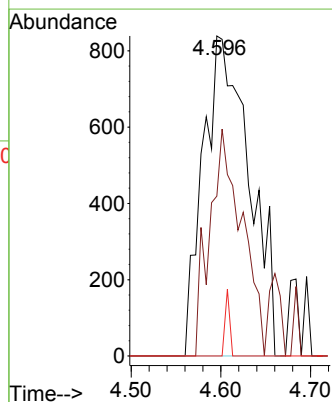
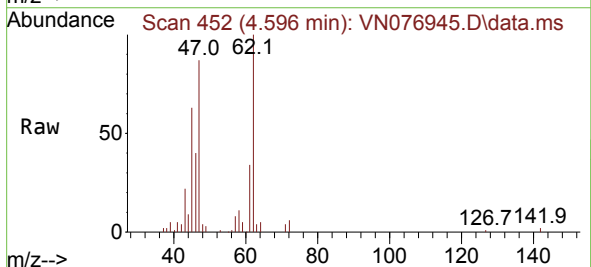
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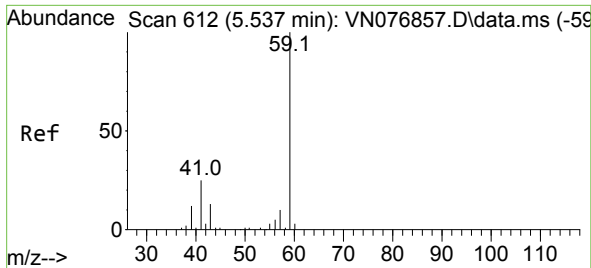
Tgt Ion: 74 Resp: 2848681
Ion Ratio Lower Upper
74 100
45 84.4 35.5 106.5



#10
Methyl Iodide
Concen: 0.600 ug/l
RT: 4.596 min Scan# 452
Delta R.T. -0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion:142 Resp: 3003
Ion Ratio Lower Upper
142 100
127 49.9 35.2 52.8
141 0.0 10.2 15.2#

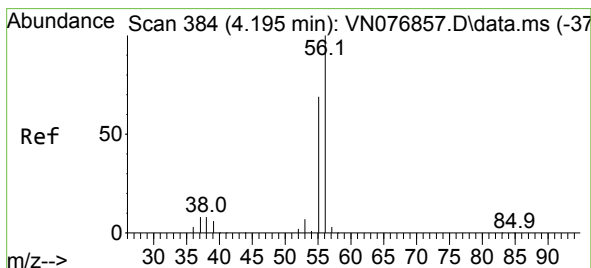
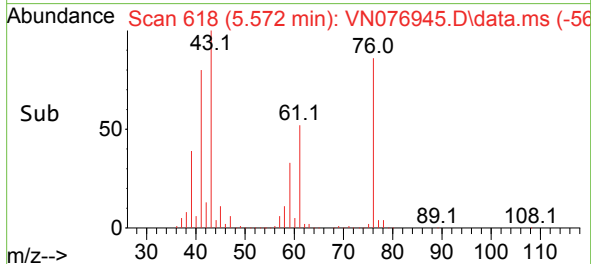
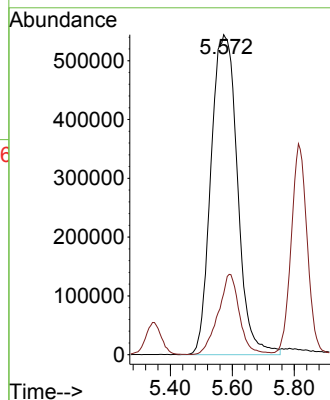
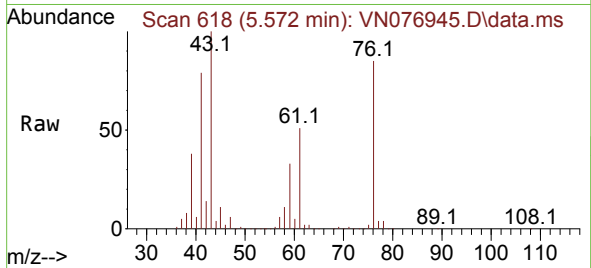




#11
Tert butyl alcohol
Concen: 3888.638 ug/l
RT: 5.572 min Scan# 612
Delta R.T. 0.041 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

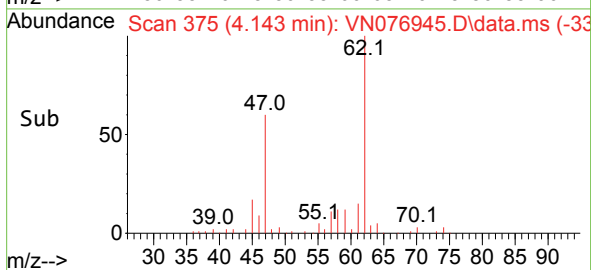
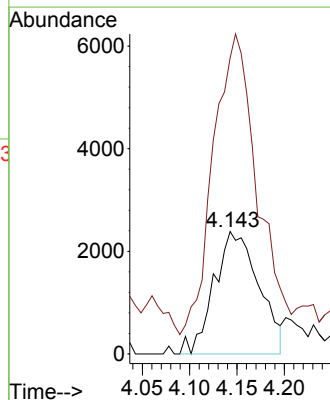
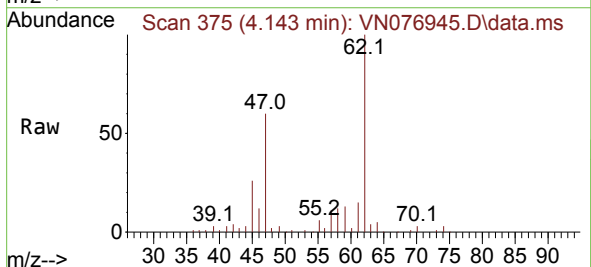
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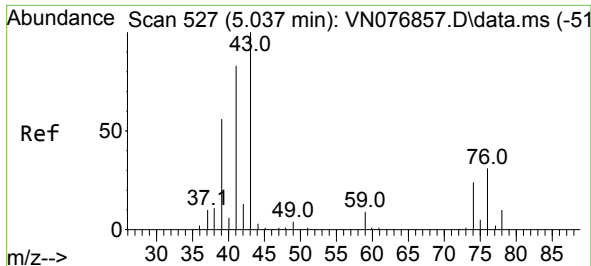
Tgt Ion: 59 Resp: 3220024
Ion Ratio Lower Upper
59 100
57 20.2 8.6 12.8#



#13
Acrolein
Concen: 10.543 ug/l
RT: 4.143 min Scan# 375
Delta R.T. -0.047 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 56 Resp: 7847
Ion Ratio Lower Upper
56 100
55 238.6 56.7 85.1#

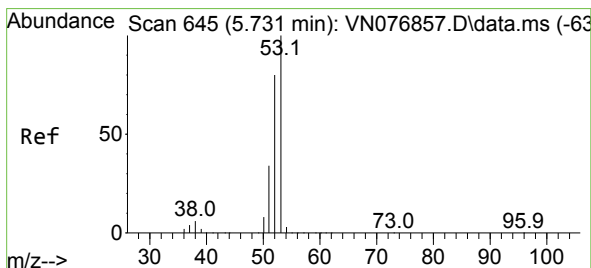
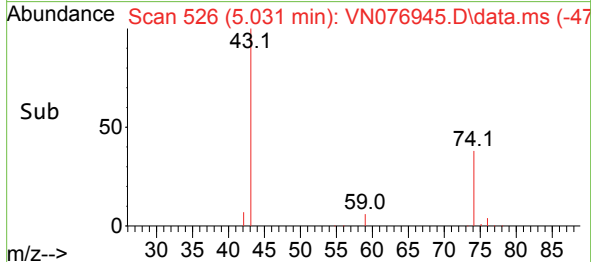
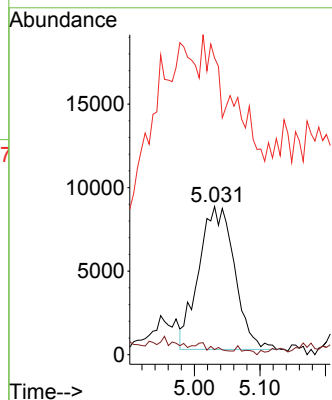
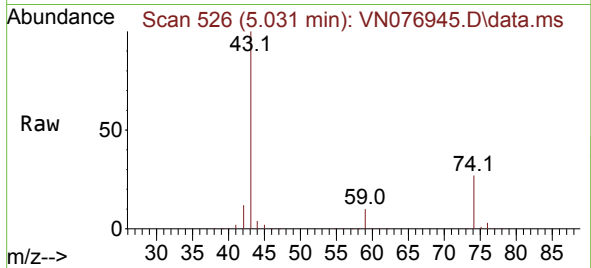




#14
 Allyl chloride
 Concen: 5.119 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

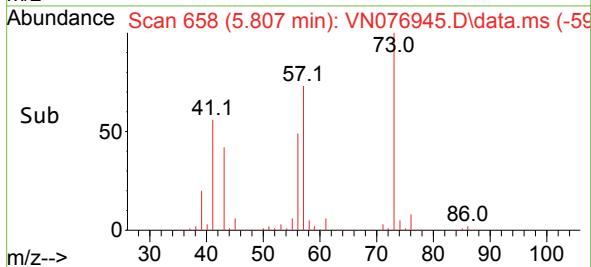
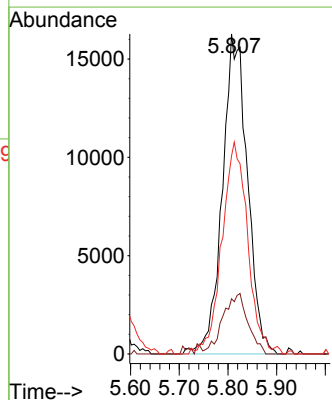
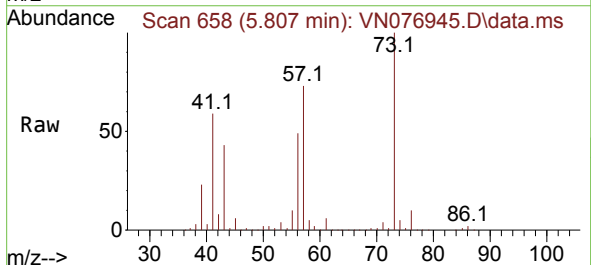
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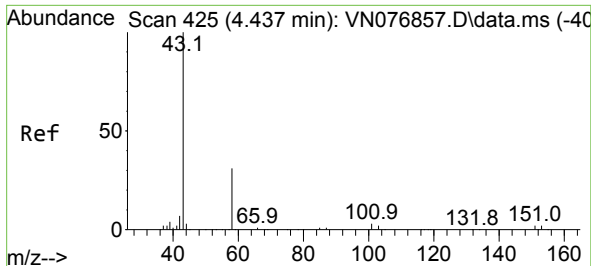
Tgt Ion: 41 Resp: 32381
 Ion Ratio Lower Upper
 41 100
 39 0.0 68.1 102.1#
 76 0.0 44.1 66.1#



#15
 Acrylonitrile
 Concen: 24.847 ug/l
 RT: 5.807 min Scan# 658
 Delta R.T. 0.076 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

Tgt Ion: 53 Resp: 58149
 Ion Ratio Lower Upper
 53 100
 52 18.9 65.3 97.9#
 51 67.6 28.8 43.2#

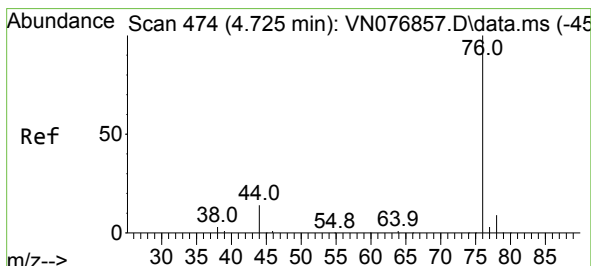
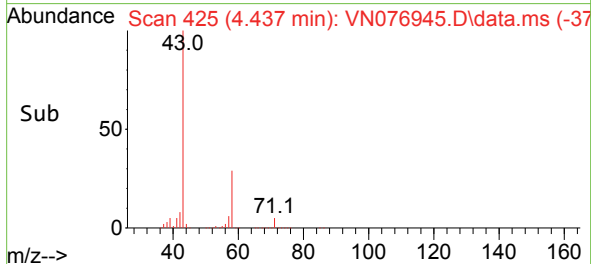
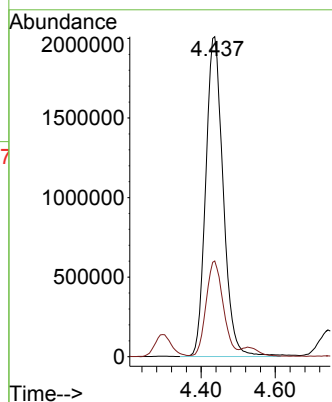
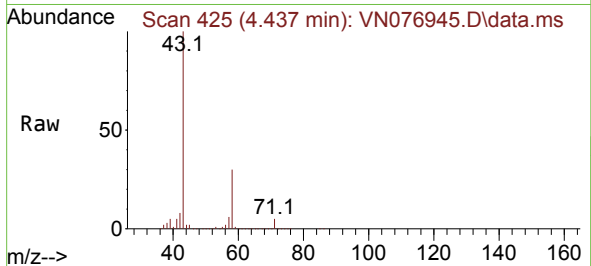




#16
Acetone
Concen: 3183.665 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

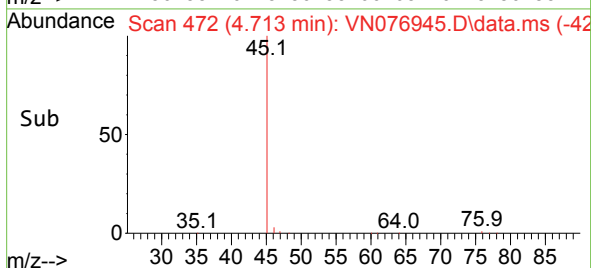
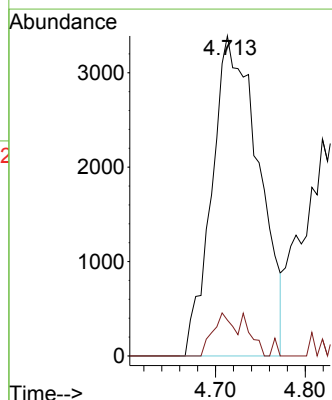
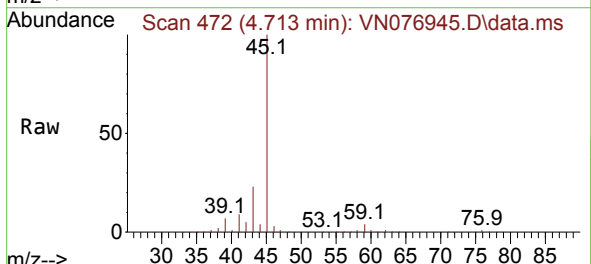
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ClientSampleId :
MORRIS-030823

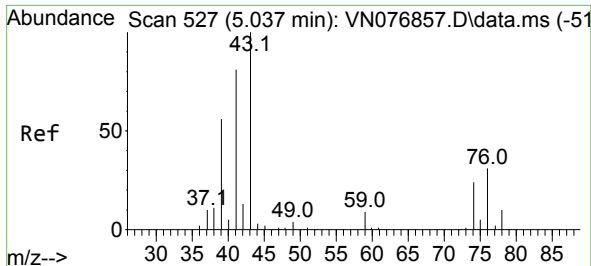
Tgt Ion: 43 Resp: 6566859
Ion Ratio Lower Upper
43 100
58 29.7 28.2 42.2



#17
Carbon Disulfide
Concen: 1.004 ug/l
RT: 4.713 min Scan# 472
Delta R.T. -0.012 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 76 Resp: 12265
Ion Ratio Lower Upper
76 100
78 11.2 7.8 11.8

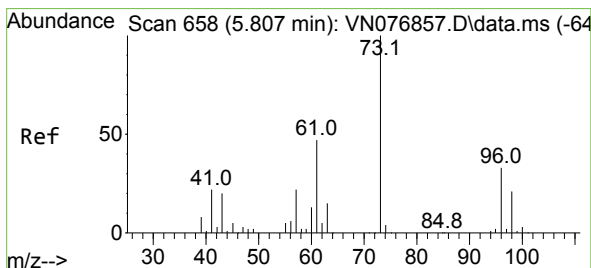
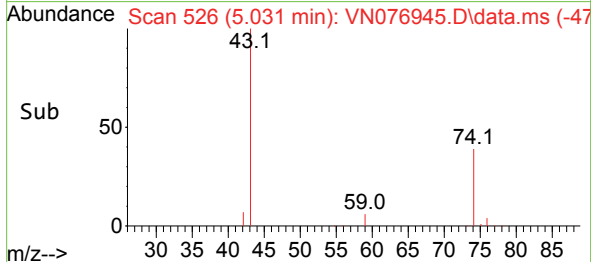
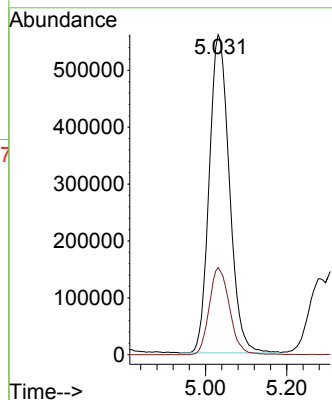
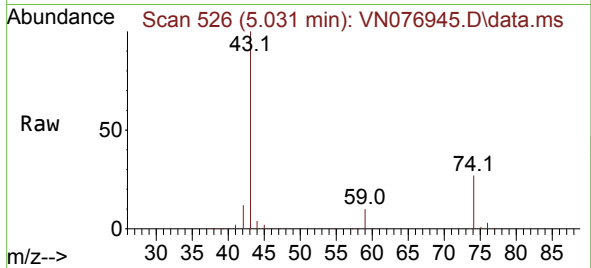




#18
Methyl Acetate
Concen: 252.624 ug/l
RT: 5.031 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

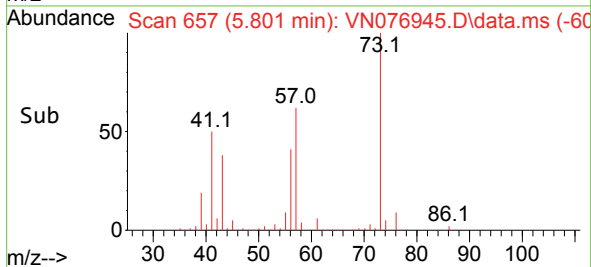
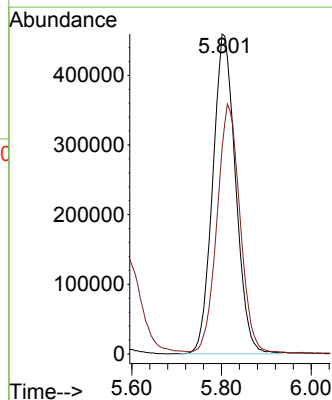
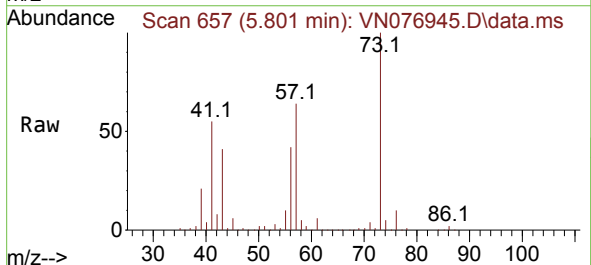
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

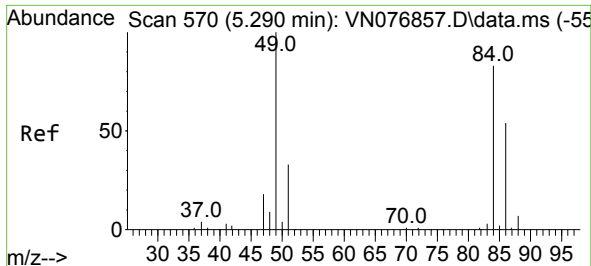
Tgt Ion: 43 Resp: 1921756
Ion Ratio Lower Upper
43 100
74 27.7 25.9 38.9



#19
Methyl tert-butyl Ether
Concen: 103.846 ug/l
RT: 5.801 min Scan# 657
Delta R.T. -0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

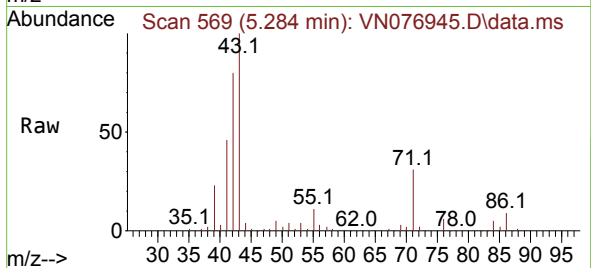
Tgt Ion: 73 Resp: 1628083
Ion Ratio Lower Upper
73 100
57 63.8 16.1 24.1#



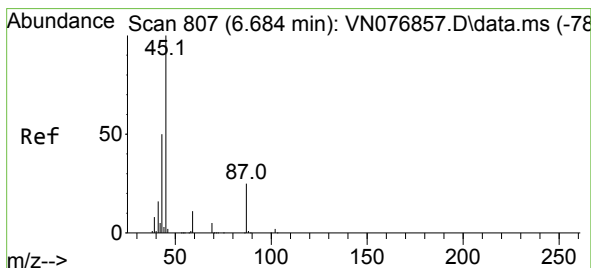
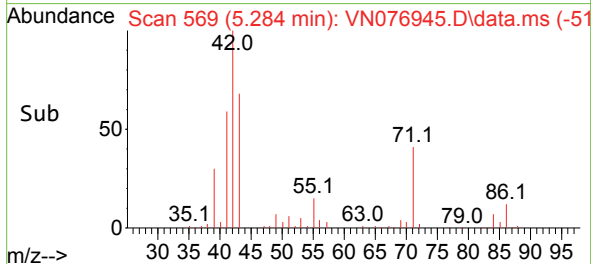
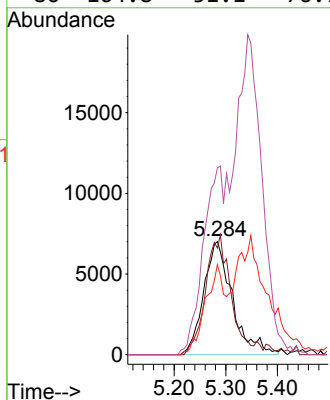


#20
Methylene Chloride
Concen: 5.097 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

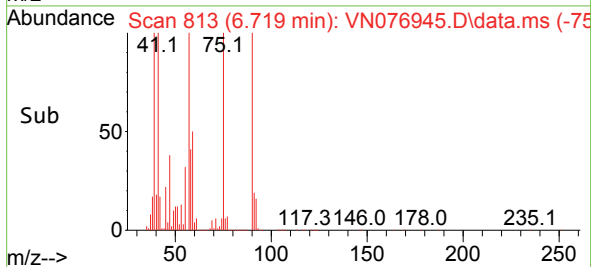
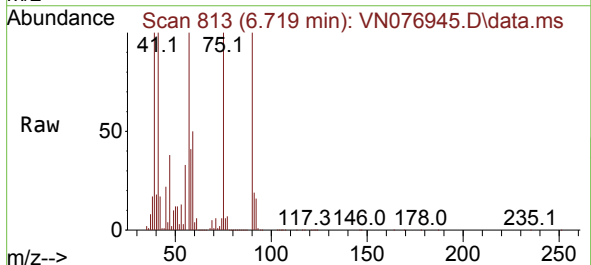
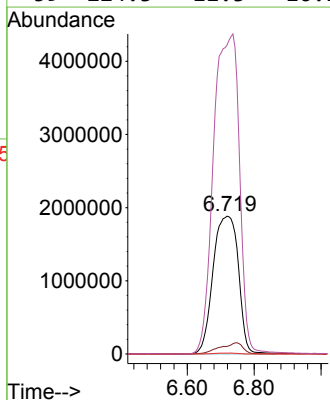


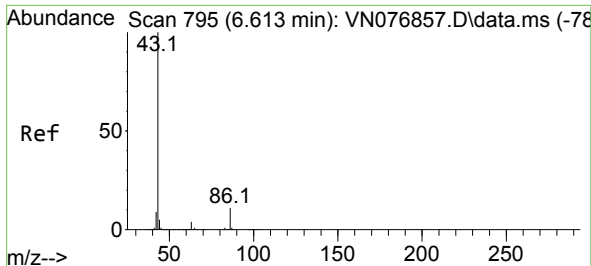
Tgt Ion:	84	Resp:	27031
Ion	Ratio	Lower	Upper
84	100		
49	94.0	76.6	114.8
51	79.6	25.4	38.2#
86	164.8	51.1	76.7#



#22
Diisopropyl ether
Concen: 707.613 ug/l
RT: 6.719 min Scan# 813
Delta R.T. 0.035 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion:	45	Resp:	9902193
Ion	Ratio	Lower	Upper
45	100		
43	5.4	42.6	63.8#
87	0.6	29.7	44.5#
59	224.3	11.3	16.9#

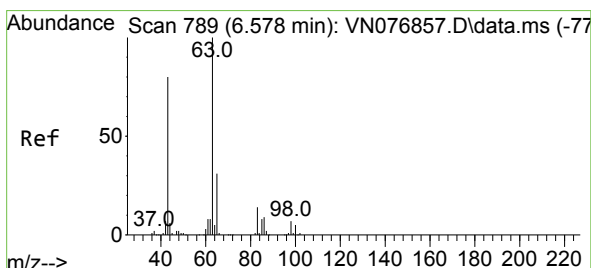
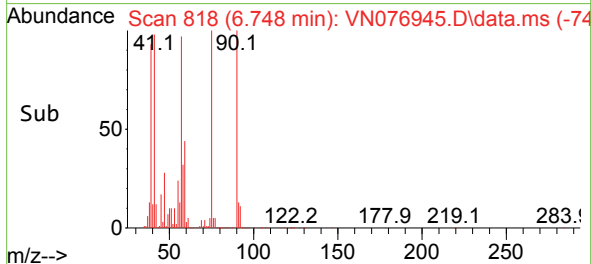
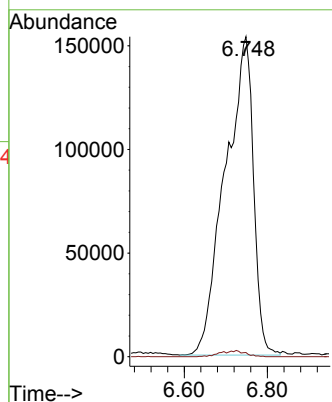
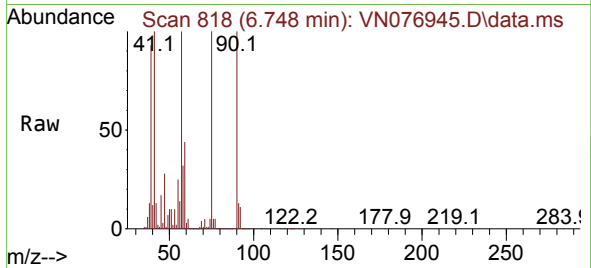




#23
 Vinyl Acetate
 Concen: 83.715 ug/l
 RT: 6.748 min Scan# 810
 Delta R.T. 0.135 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

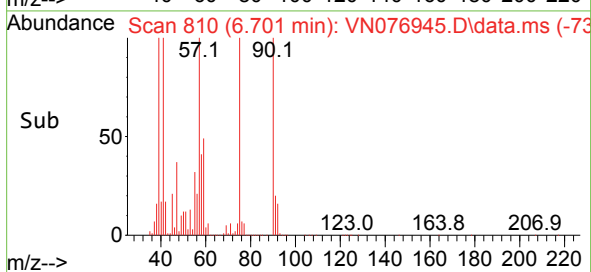
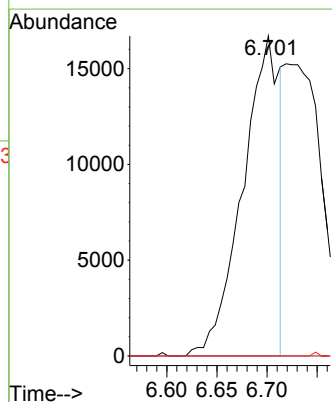
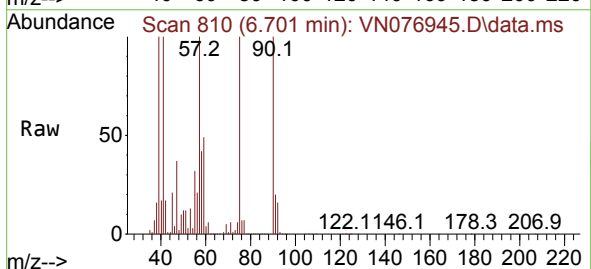
Instrument :
 MSVOA_N
 ClientSampleId :
 MORRIS-030823

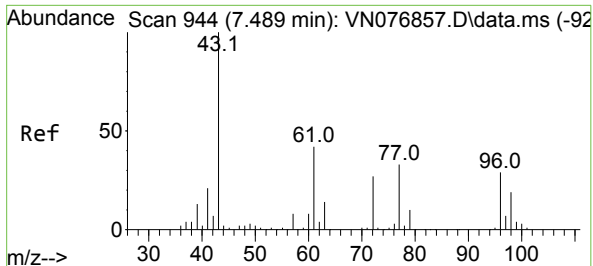
Tgt Ion: 43 Resp: 721420
 Ion Ratio Lower Upper
 43 100
 86 1.3 11.8 17.6#



#24
 1,1-Dichloroethane
 Concen: 4.779 ug/l
 RT: 6.701 min Scan# 810
 Delta R.T. 0.123 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

Tgt Ion: 63 Resp: 42720
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.2 12.6#
 100 0.0 2.2 6.6#

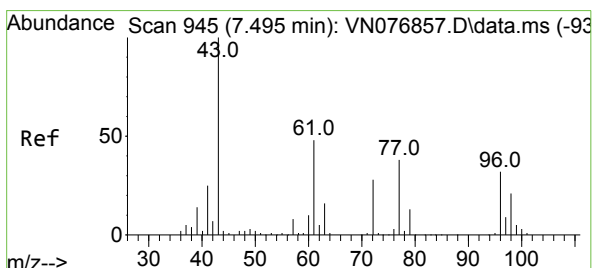
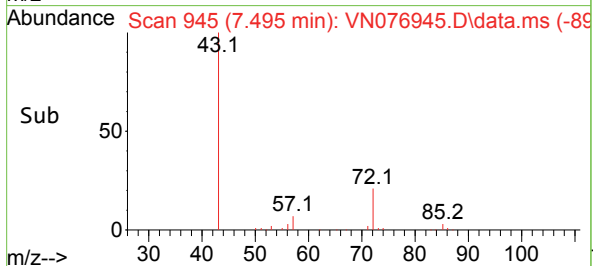
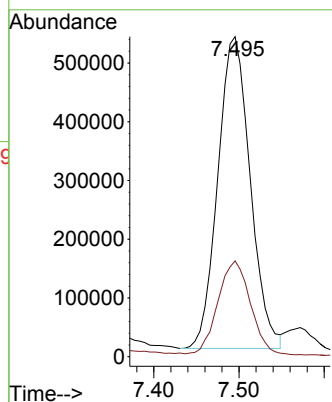
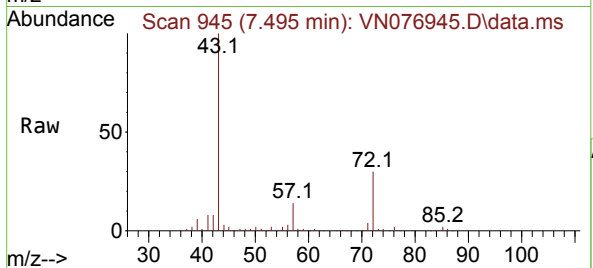




#25
2-Butanone
Concen: 478.049 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

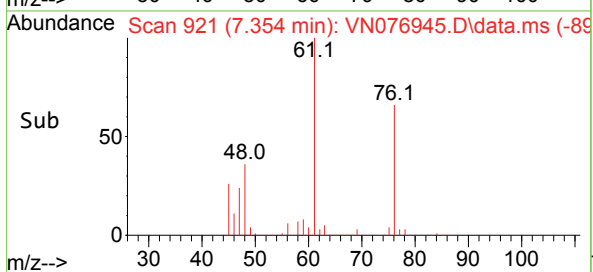
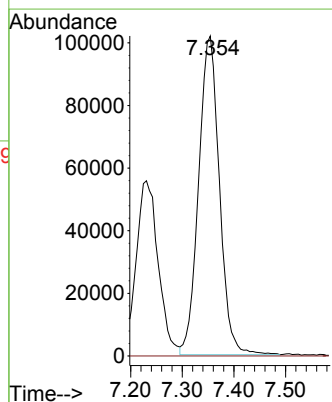
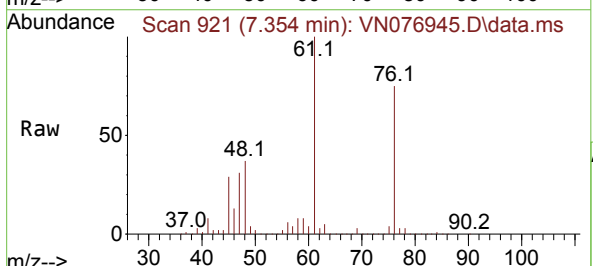
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

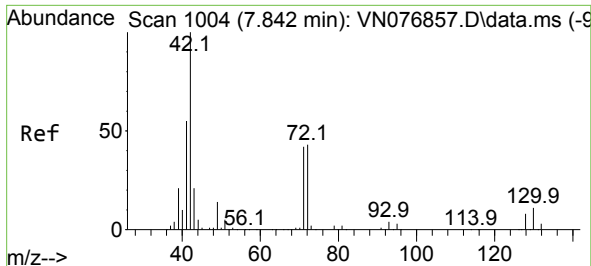
Tgt Ion: 43 Resp: 1402415
Ion Ratio Lower Upper
43 100
72 29.6 28.8 43.2



#26
2,2-Dichloropropane
Concen: 35.931 ug/l
RT: 7.354 min Scan# 921
Delta R.T. -0.147 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 77 Resp: 284227
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#





#29

Tetrahydrofuran

Concen: 11.769 ug/l

RT: 7.854 min Scan# 1006

Delta R.T. 0.012 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

MORRIS-030823

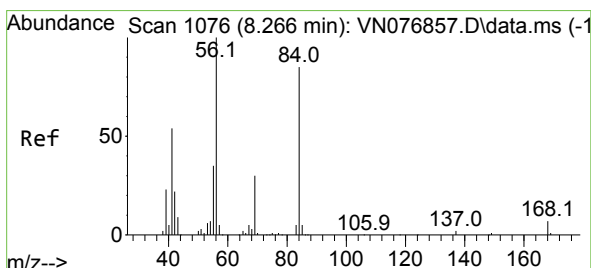
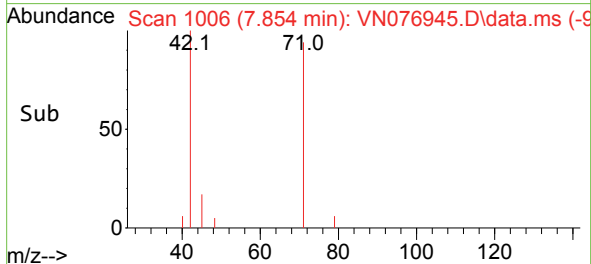
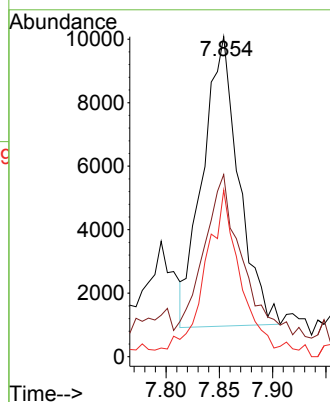
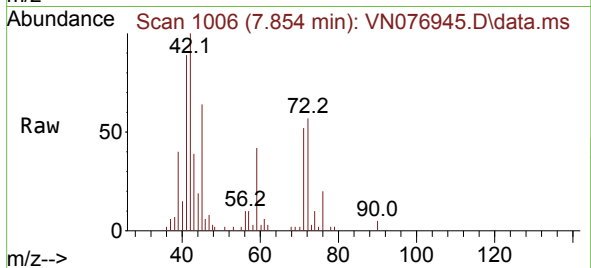
Tgt Ion: 42 Resp: 21400

Ion Ratio Lower Upper

42 100

72 61.6 48.6 73.0

71 50.8 45.1 67.7



#31

Cyclohexane

Concen: 253.555 ug/l

RT: 8.266 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

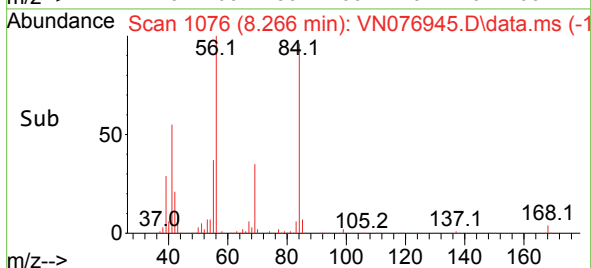
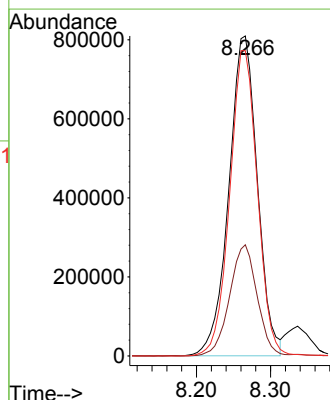
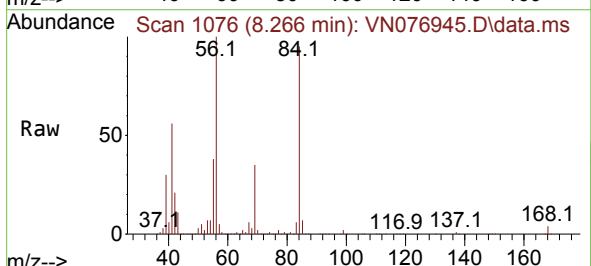
Tgt Ion: 56 Resp: 2165463

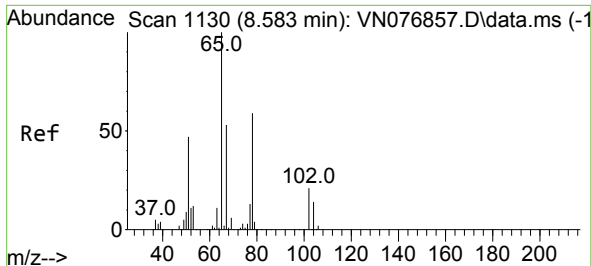
Ion Ratio Lower Upper

56 100

69 34.7 27.0 40.6

84 95.4 82.9 124.3





#33

1,2-Dichloroethane-d4

Concen: 47.709 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. 0.029 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

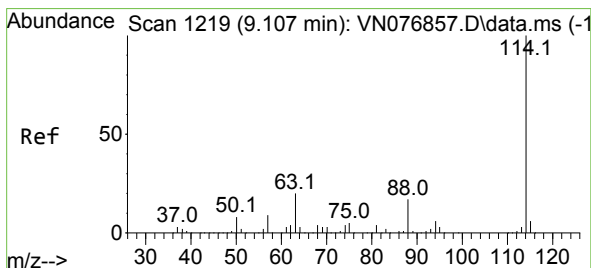
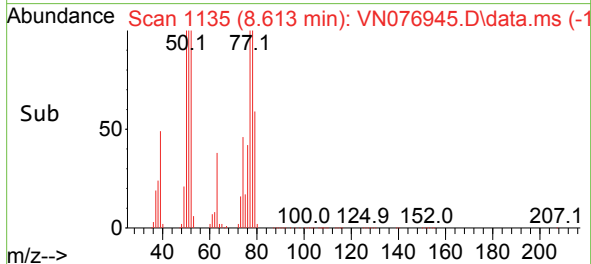
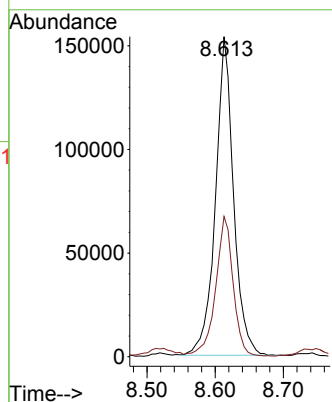
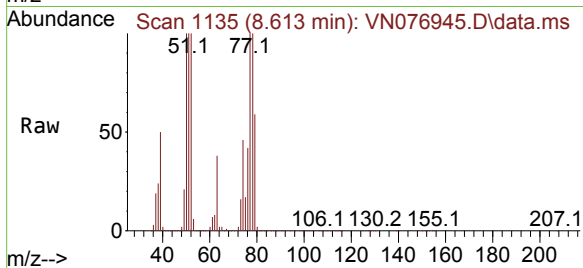
MORRIS-030823

Tgt Ion: 65 Resp: 283992

Ion Ratio Lower Upper

65 100

67 42.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

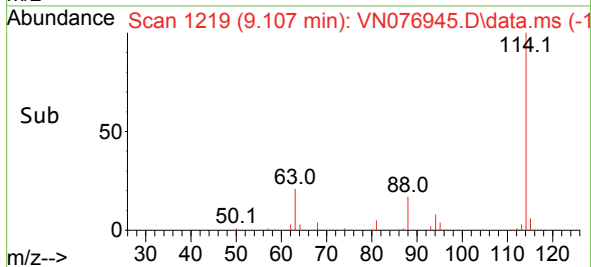
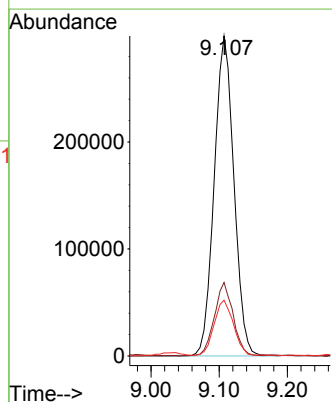
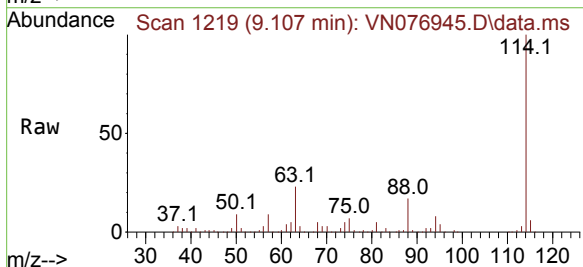
Tgt Ion: 114 Resp: 602317

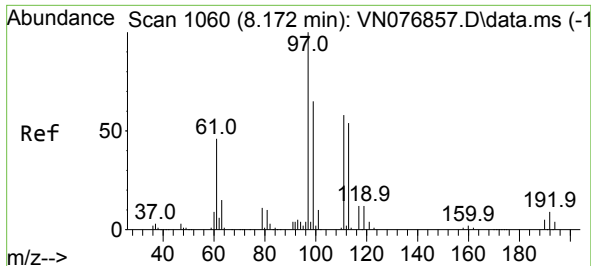
Ion Ratio Lower Upper

114 100

63 23.0 0.0 36.6

88 17.2 0.0 28.6

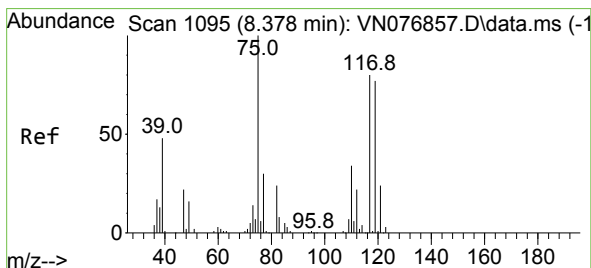
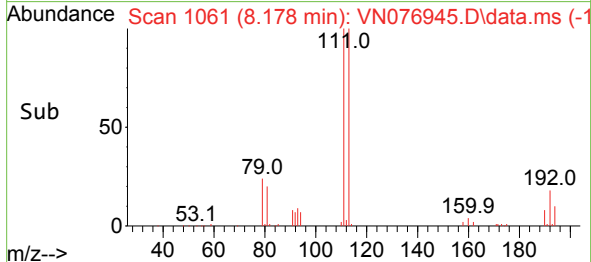
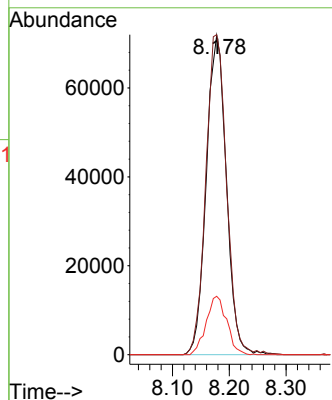
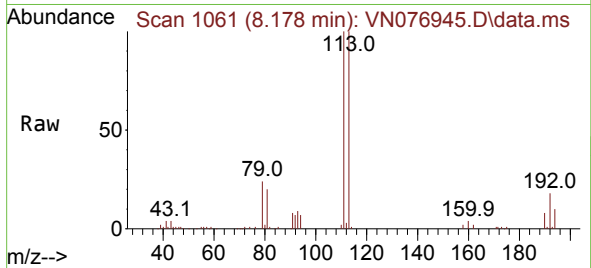




#35
 Dibromofluoromethane
 Concen: 43.901 ug/l
 RT: 8.178 min Scan# 113
 Delta R.T. 0.006 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

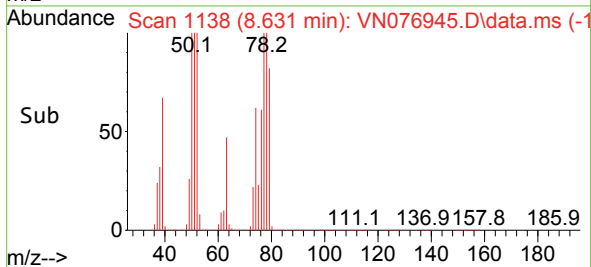
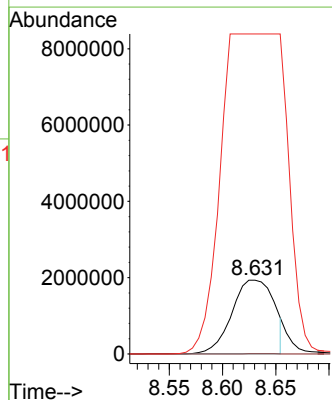
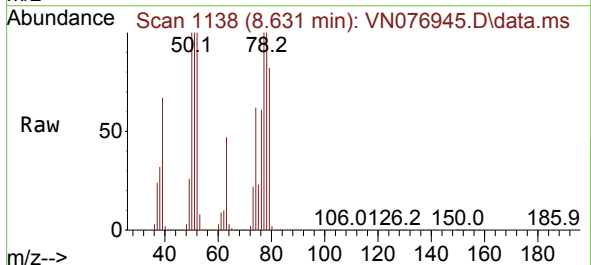
Instrument :
 MSVOA_N
 ClientSampleId :
 MORRIS-030823

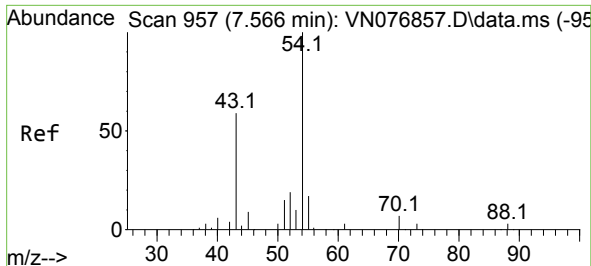
Tgt Ion:113 Resp: 176229
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.8
 192 18.7 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 856.513 ug/l
 RT: 8.631 min Scan# 1138
 Delta R.T. 0.253 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

Tgt Ion: 75 Resp: 5317631
 Ion Ratio Lower Upper
 75 100
 110 0.1 18.9 56.9#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 23.155 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

MORRIS-030823

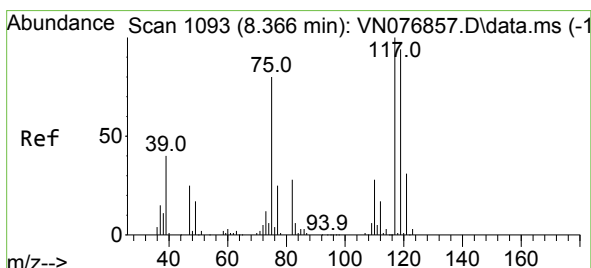
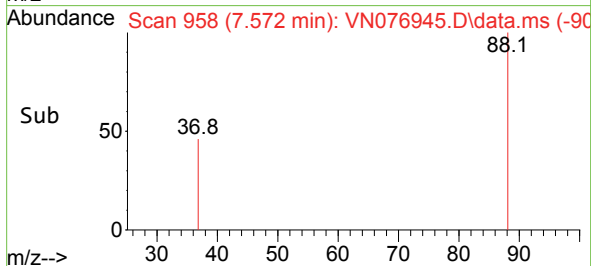
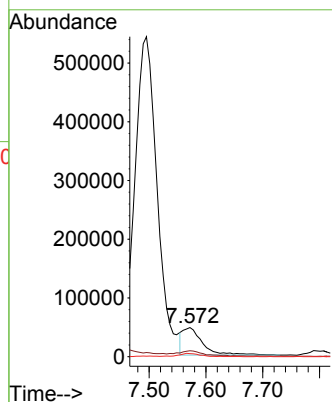
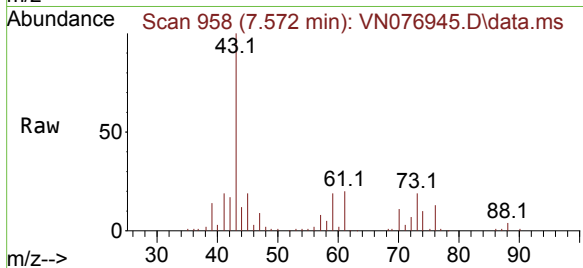
Tgt Ion: 43 Resp: 114962

Ion Ratio Lower Upper

43 100

61 0.0 13.5 20.3#

70 13.1 11.0 16.6



#38

Carbon Tetrachloride

Concen: 6.563 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.135 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

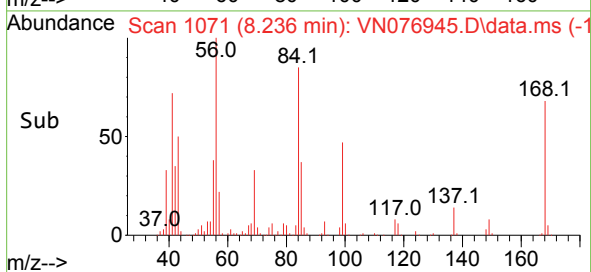
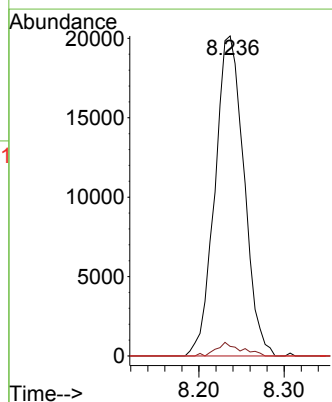
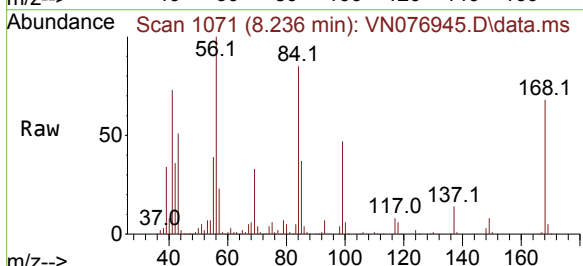
Tgt Ion: 117 Resp: 47686

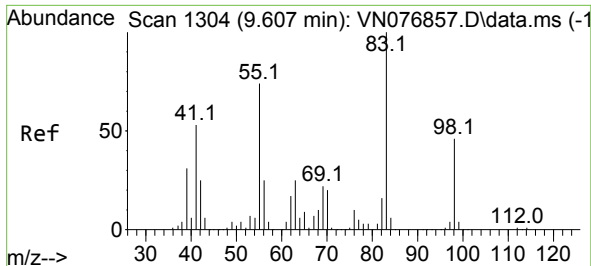
Ion Ratio Lower Upper

117 100

119 3.0 76.9 115.3#

121 0.0 23.2 34.8#





#39

Methylcyclohexane

Concen: 343.053 ug/l

RT: 9.607 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

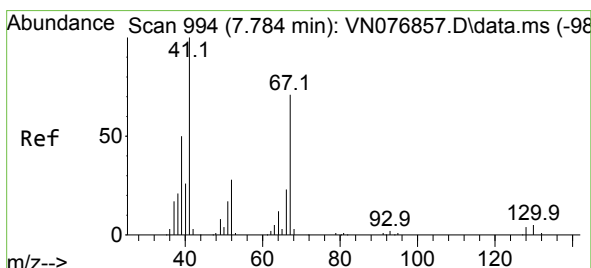
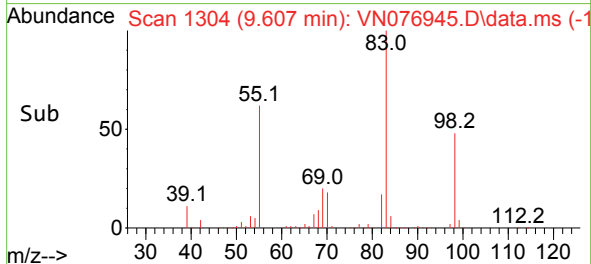
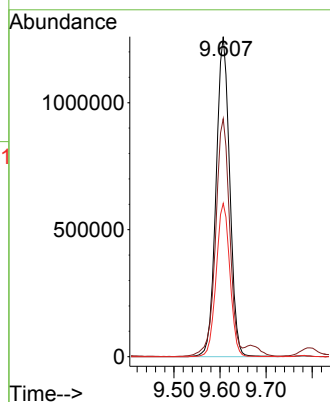
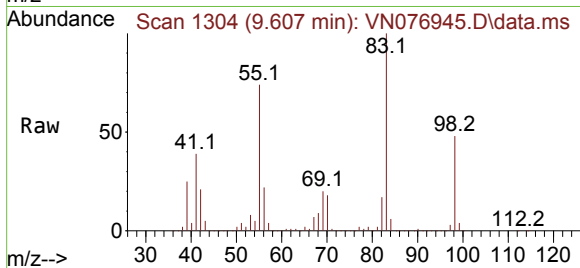
MSVOA_N

ClientSampleId :

MORRIS-030823

Tgt Ion: 83 Resp: 2585392

Ion	Ratio	Lower	Upper
83	100		
55	74.2	47.0	70.4#
98	47.9	39.4	59.0



#41

Methacrylonitrile

Concen: 8.352 ug/l

RT: 7.795 min Scan# 996

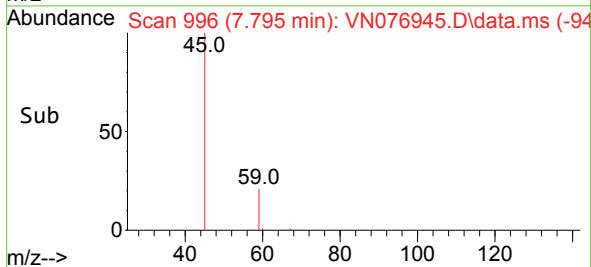
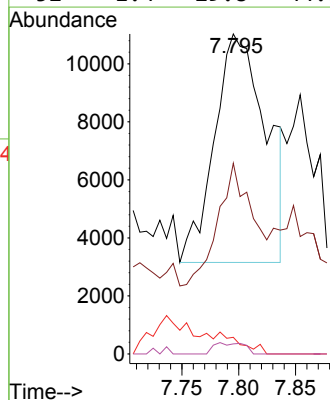
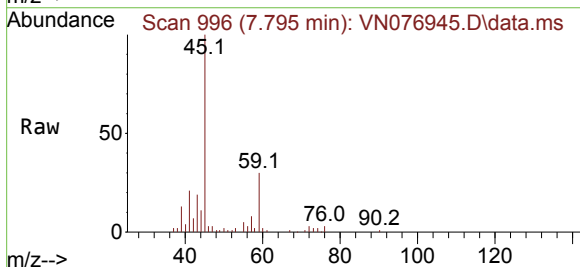
Delta R.T. 0.006 min

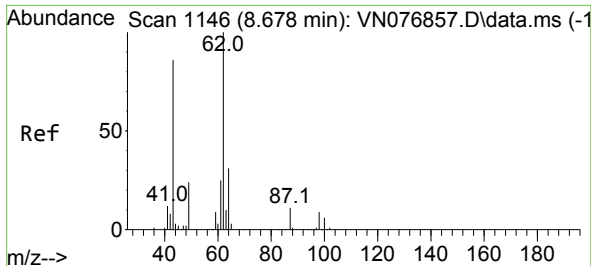
Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Tgt Ion: 41 Resp: 24675

Ion	Ratio	Lower	Upper
41	100		
39	35.8	43.4	65.0#
67	0.0	78.6	118.0#
52	1.4	29.8	44.8#





#42

1,2-Dichloroethane

Concen: 389.166 ug/l

RT: 8.625 min Scan# 1137

Delta R.T. -0.053 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

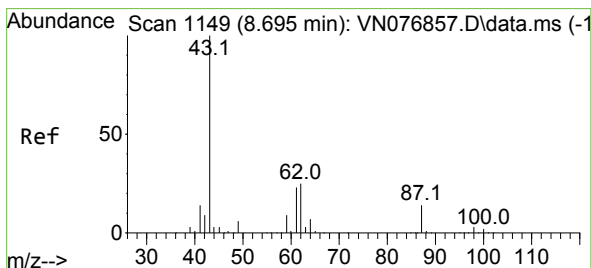
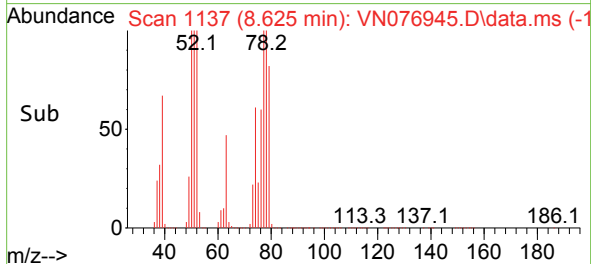
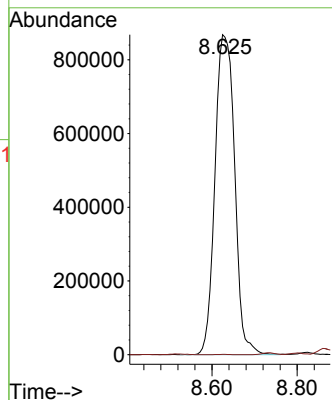
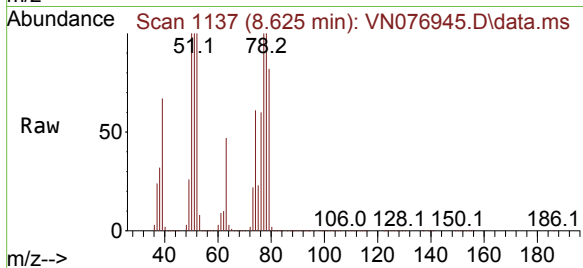
MORRIS-030823

Tgt Ion: 62 Resp: 2777924

Ion Ratio Lower Upper

62 100

98 0.1 0.0 21.8



#43

Isopropyl Acetate

Concen: 49.374 ug/l

RT: 8.701 min Scan# 1150

Delta R.T. 0.006 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

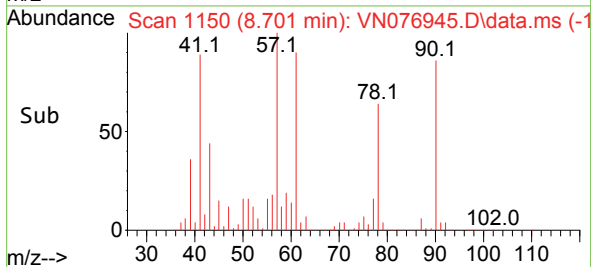
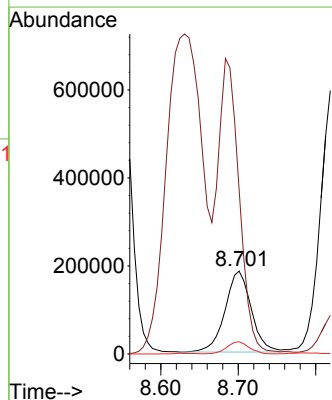
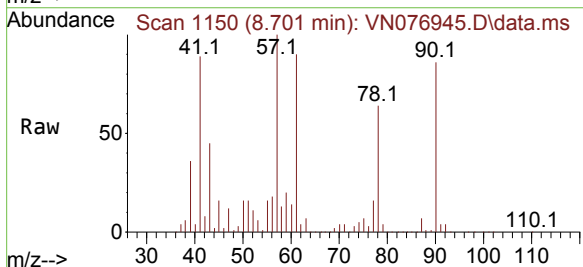
Tgt Ion: 43 Resp: 432742

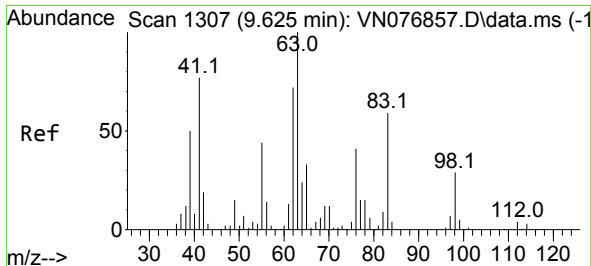
Ion Ratio Lower Upper

43 100

61 293.4 26.2 39.2#

87 12.9 14.8 22.2#

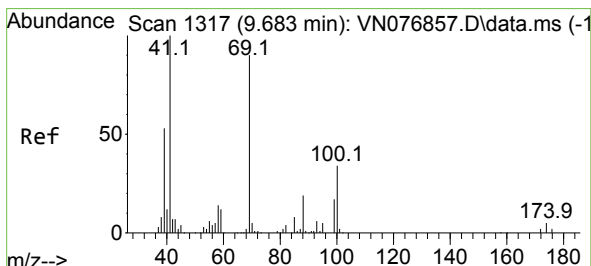
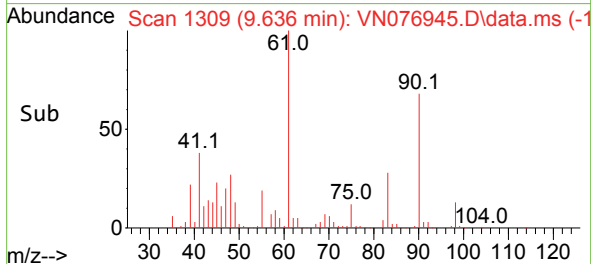
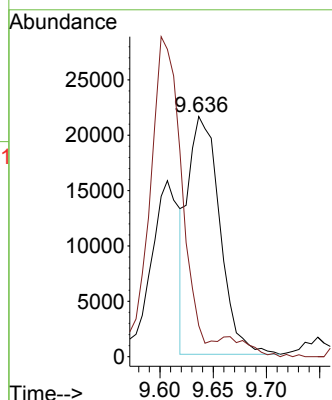
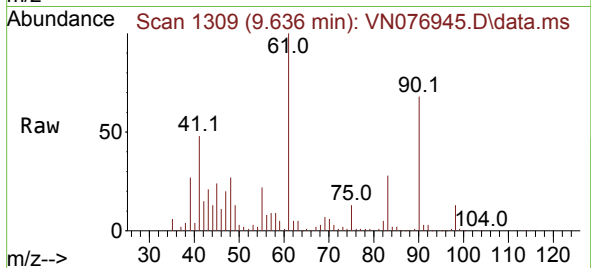




#45
1,2-Dichloropropane
Concen: 9.879 ug/l
RT: 9.636 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

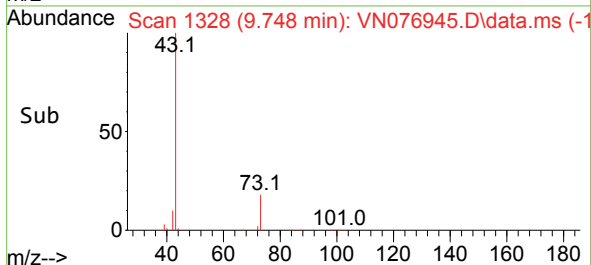
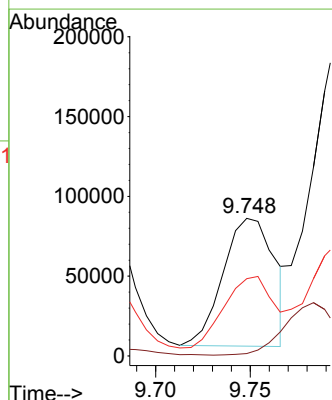
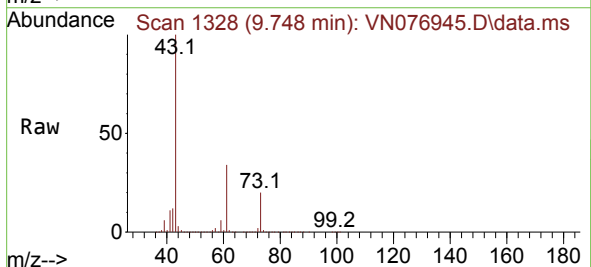
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

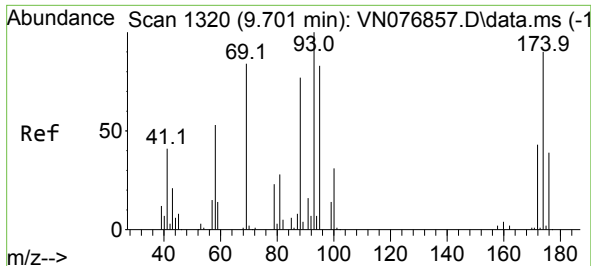
Tgt Ion: 63 Resp: 44483
Ion Ratio Lower Upper
63 100
65 13.1 25.0 37.6#



#48
Methyl methacrylate
Concen: 35.170 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 41 Resp: 151032
Ion Ratio Lower Upper
41 100
69 0.0 92.6 139.0#
39 53.5 51.4 77.0





#49

1,4-Dioxane

Concen: 256.830 ug/l

RT: 9.701 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

MORRIS-030823

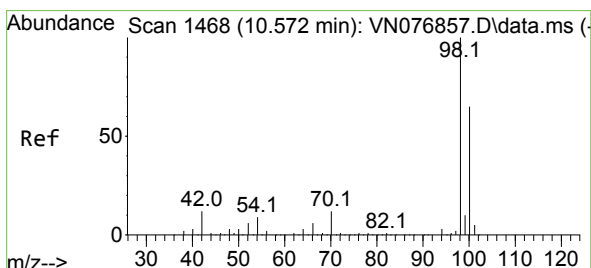
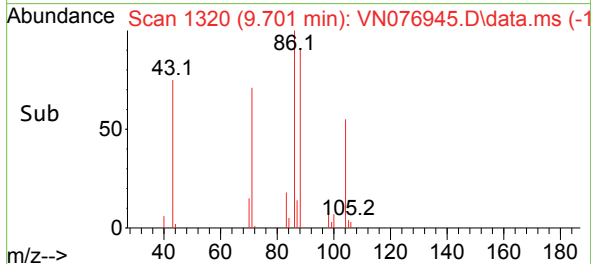
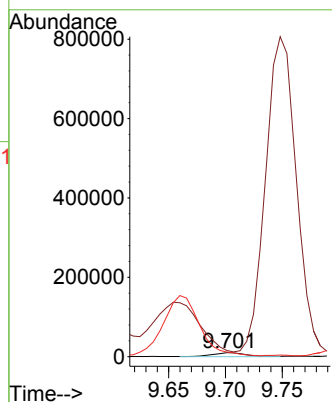
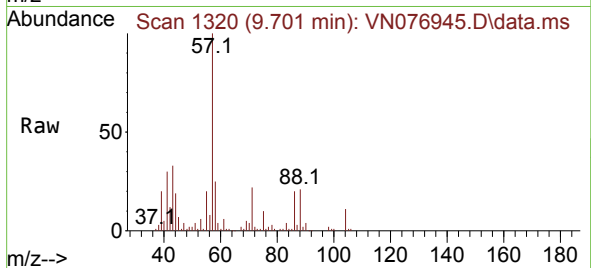
Tgt Ion: 88 Resp: 20884

Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 0.0 47.6 71.4#



#50

Toluene-d8

Concen: 50.949 ug/l

RT: 10.577 min Scan# 1469

Delta R.T. 0.006 min

Lab File: VN076945.D

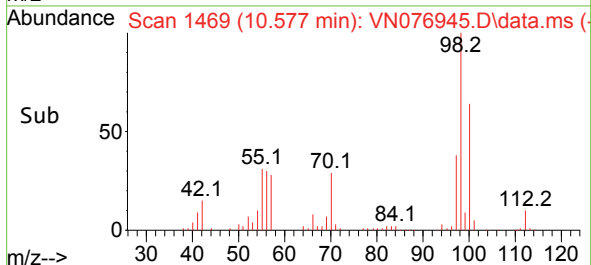
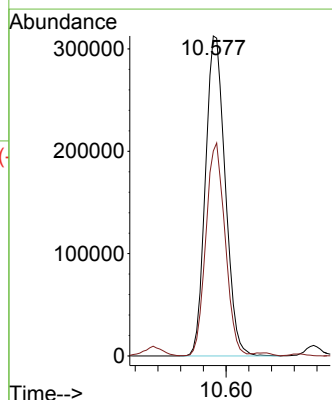
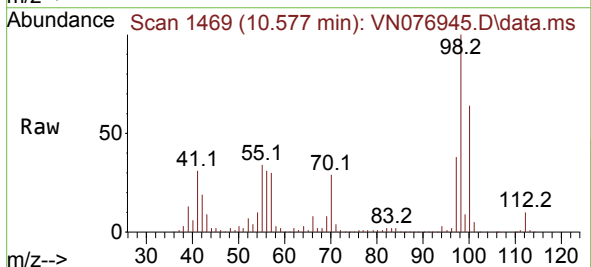
Acq: 10 Mar 2023 23:39

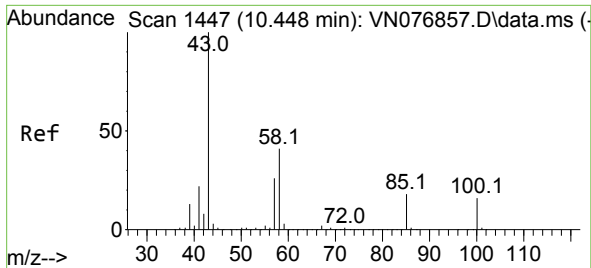
Tgt Ion: 98 Resp: 753766

Ion Ratio Lower Upper

98 100

100 64.9 52.8 79.2

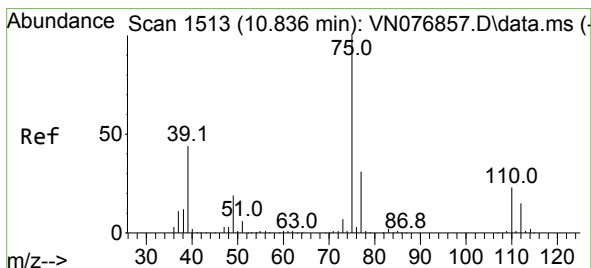
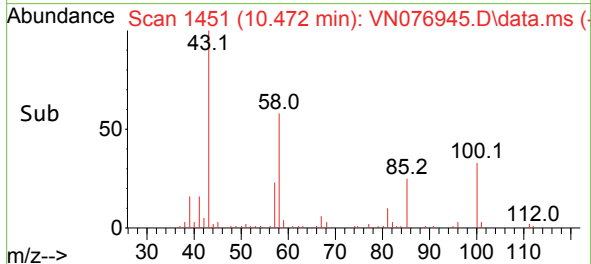
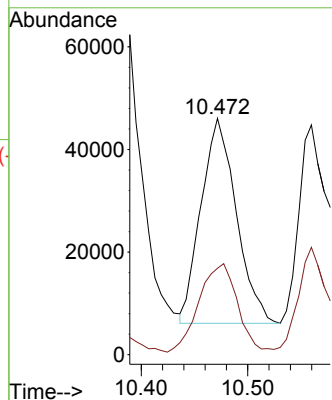
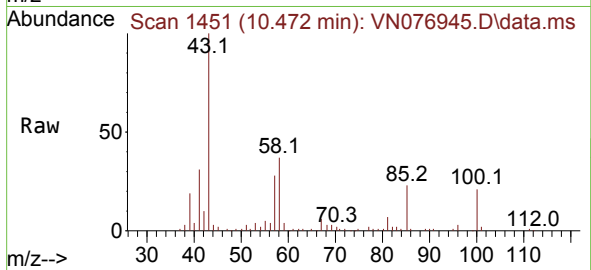




#51
4-Methyl-2-Pentanone
Concen: 17.444 ug/l
RT: 10.472 min Scan# 1447
Delta R.T. 0.023 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

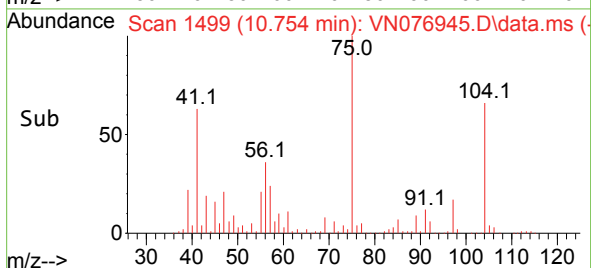
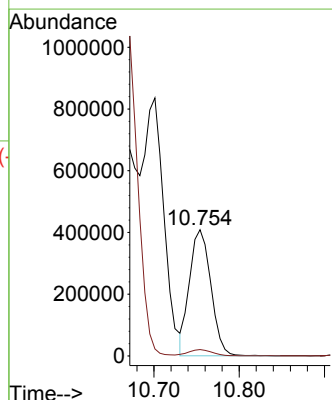
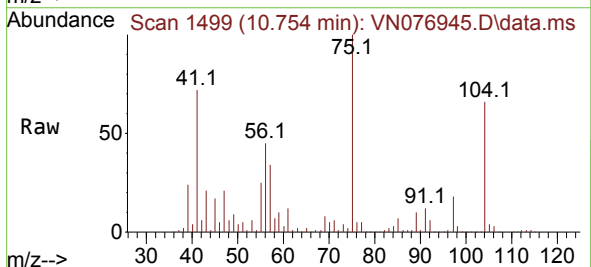
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

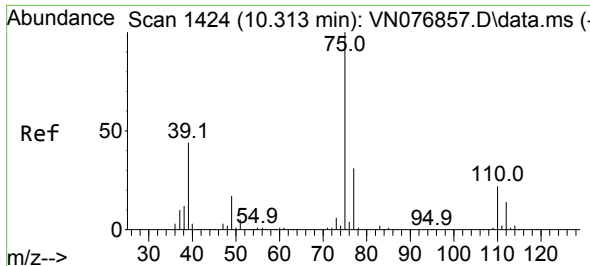
Tgt Ion: 43 Resp: 91844
Ion Ratio Lower Upper
43 100
58 46.9 37.4 56.0



#53
t-1,3-Dichloropropene
Concen: 107.026 ug/l
RT: 10.754 min Scan# 1499
Delta R.T. -0.082 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 75 Resp: 711825
Ion Ratio Lower Upper
75 100
77 5.0 25.0 37.6#

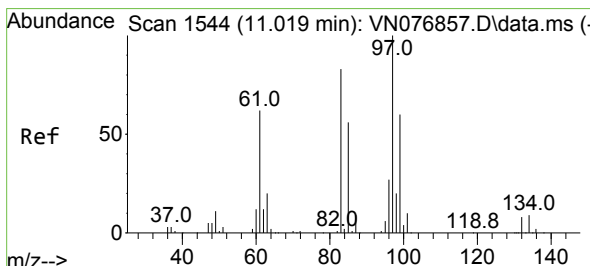
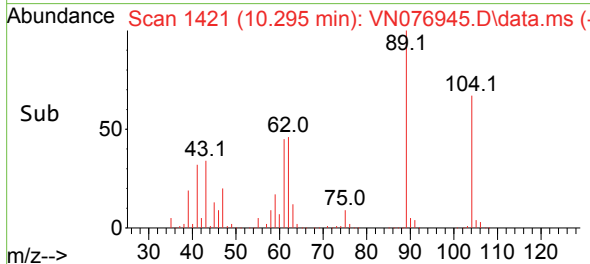
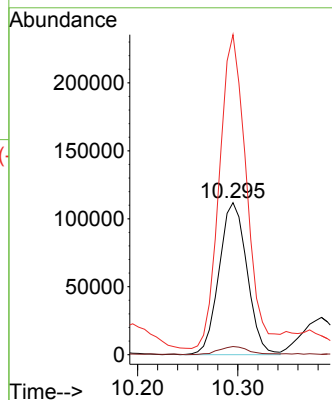
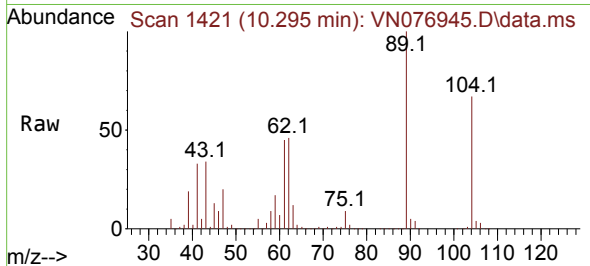




#54
 cis-1,3-Dichloropropene
 Concen: 29.639 ug/l
 RT: 10.295 min Scan# 1421
 Delta R.T. -0.018 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

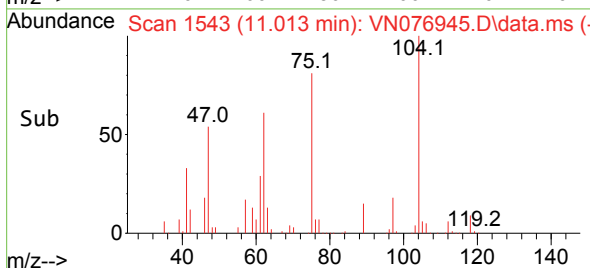
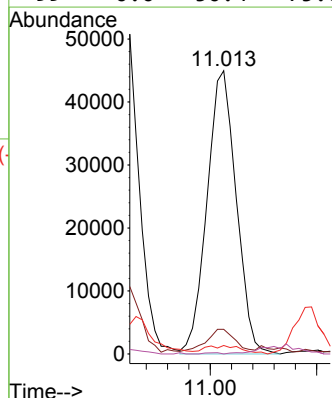
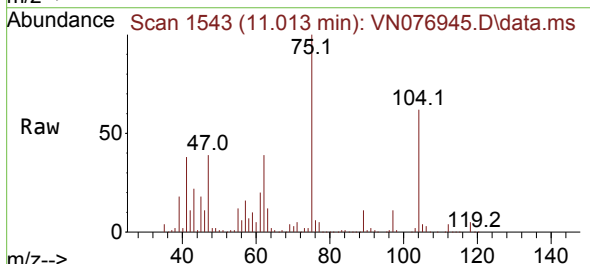
Instrument :
 MSVOA_N
 ClientSampleId :
 MORRIS-030823

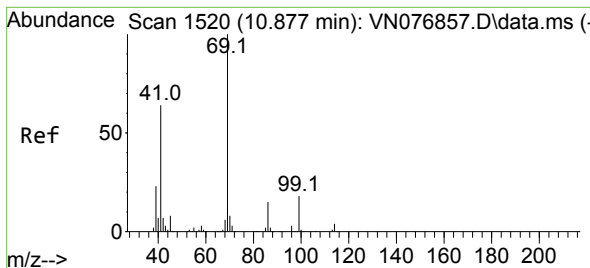
Tgt Ion: 75 Resp: 216488
 Ion Ratio Lower Upper
 75 100
 77 5.1 25.7 38.5#
 39 206.2 29.7 44.5#



#55
 1,1,2-Trichloroethane
 Concen: 19.526 ug/l
 RT: 11.013 min Scan# 1543
 Delta R.T. -0.006 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

Tgt Ion: 97 Resp: 85567
 Ion Ratio Lower Upper
 97 100
 83 7.8 67.1 100.7#
 85 1.7 41.8 62.8#
 99 0.0 50.4 75.6#





#56

Ethyl methacrylate

Concen: 5.351 ug/l

RT: 10.919 min Scan# 1527

Delta R.T. 0.041 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

MORRIS-030823

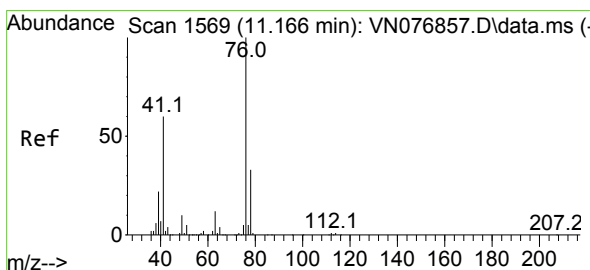
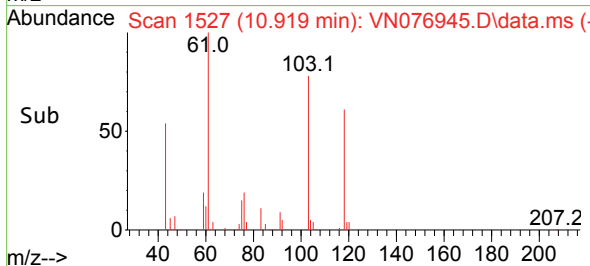
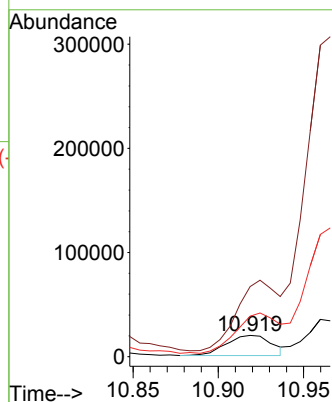
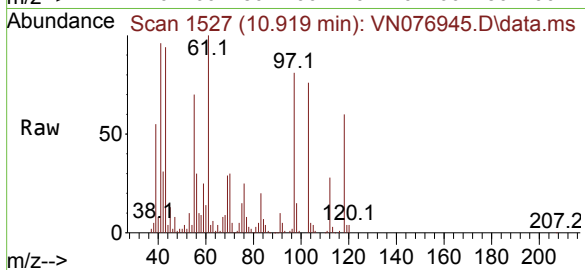
Tgt Ion: 69 Resp: 35564

Ion Ratio Lower Upper

69 100

41 321.5 38.0 57.0#

39 0.0 22.4 33.6#



#57

1,3-Dichloropropane

Concen: 1.128 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.035 min

Lab File: VN076945.D

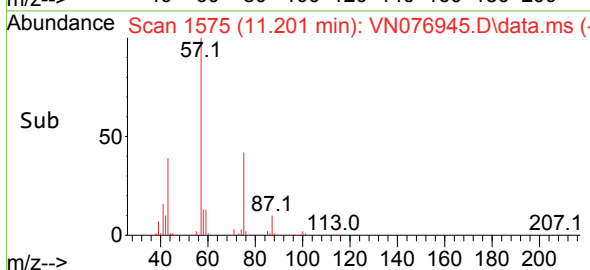
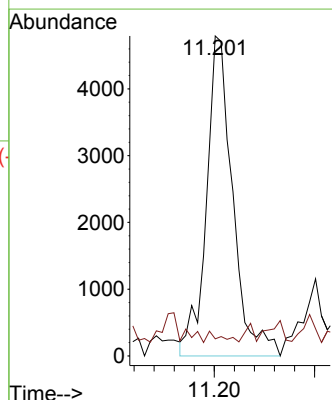
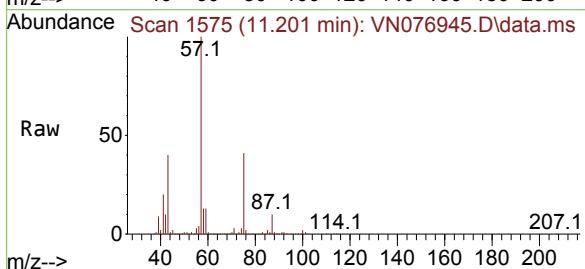
Acq: 10 Mar 2023 23:39

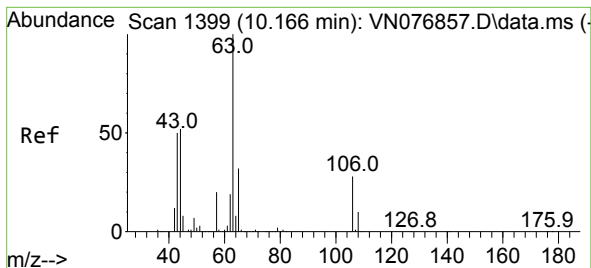
Tgt Ion: 76 Resp: 8716

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#

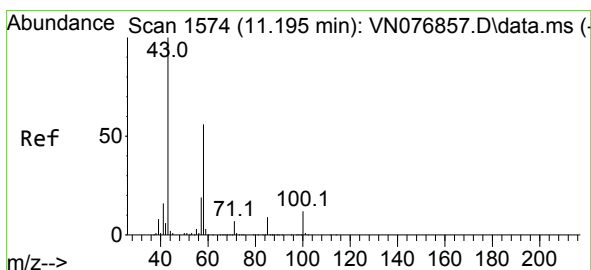
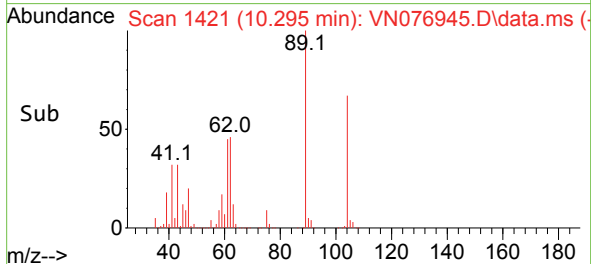
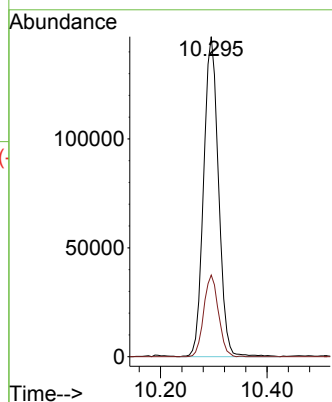
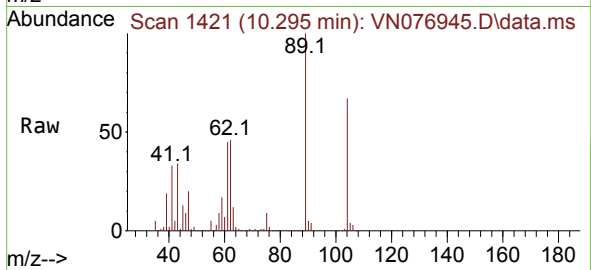




#58
2-Chloroethyl Vinyl ether
Concen: 134.526 ug/l
RT: 10.295 min Scan# 14
Delta R.T. 0.135 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

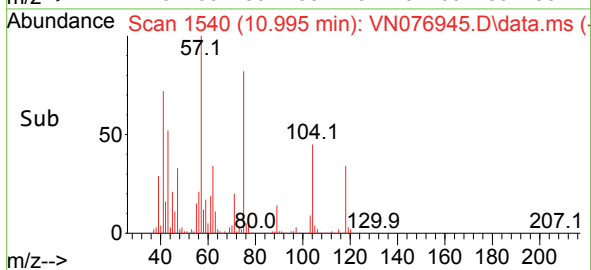
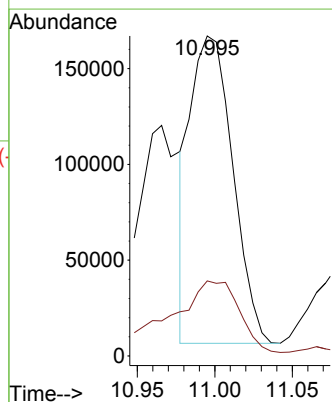
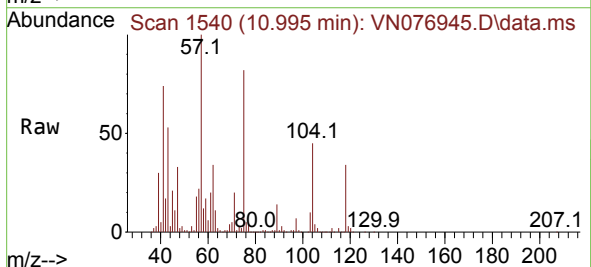
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

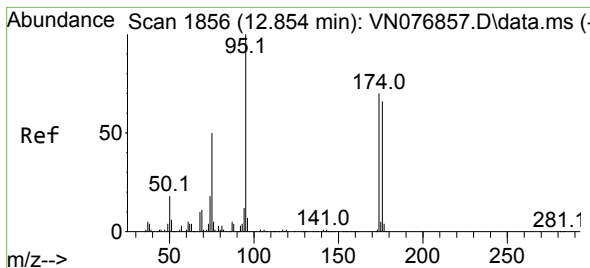
Tgt Ion: 63 Resp: 284736
Ion Ratio Lower Upper
63 100
106 25.0 25.6 38.4#



#59
2-Hexanone
Concen: 79.606 ug/l
RT: 10.995 min Scan# 1540
Delta R.T. -0.200 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 43 Resp: 305600
Ion Ratio Lower Upper
43 100
58 40.2 32.6 98.0

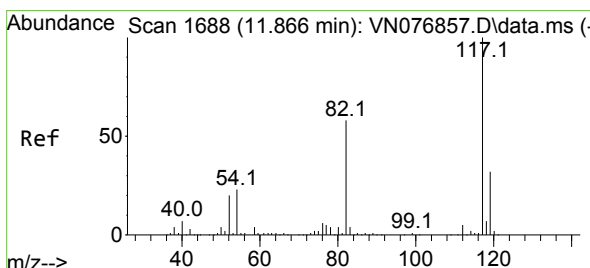
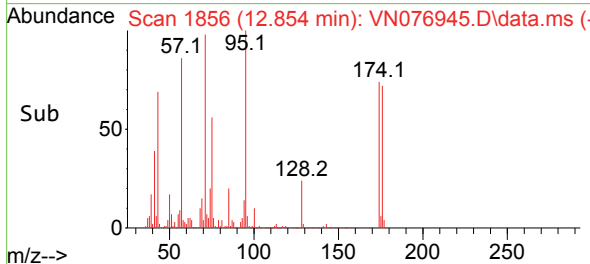
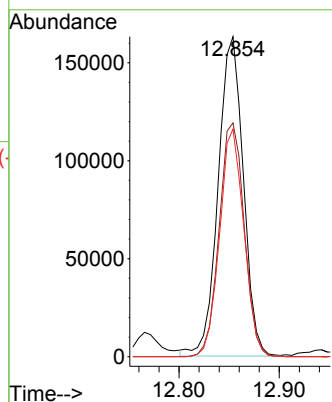
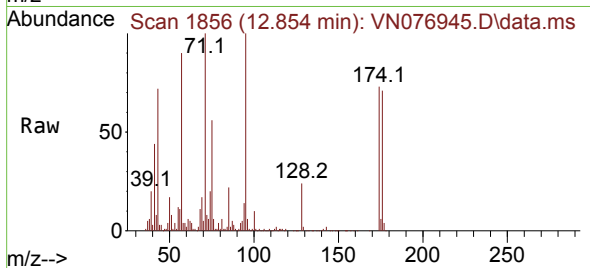




#62
4-Bromofluorobenzene
Concen: 52.448 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

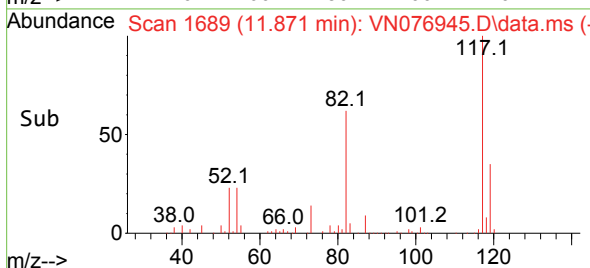
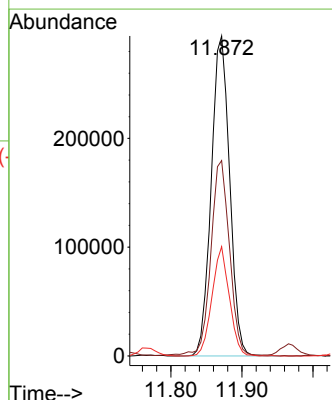
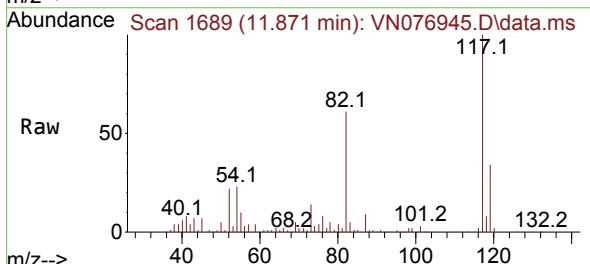
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

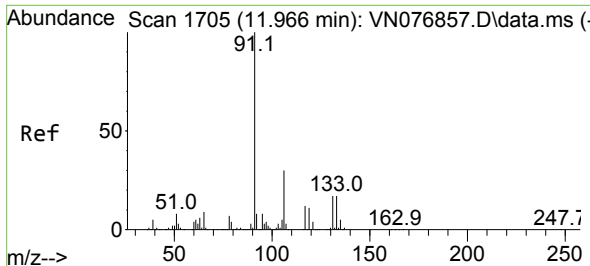
Tgt Ion: 95 Resp: 283814
Ion Ratio Lower Upper
95 100
174 73.0 0.0 162.4
176 68.7 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 117 Resp: 528789
Ion Ratio Lower Upper
117 100
82 60.5 43.5 65.3
119 34.2 25.5 38.3

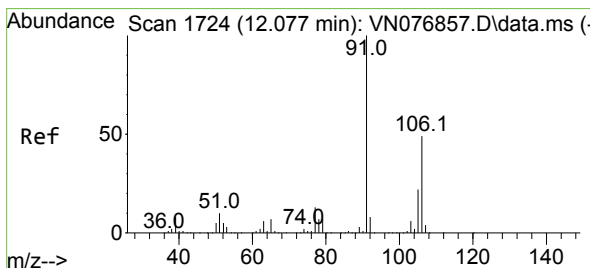
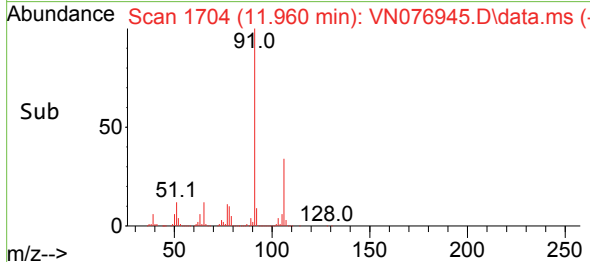
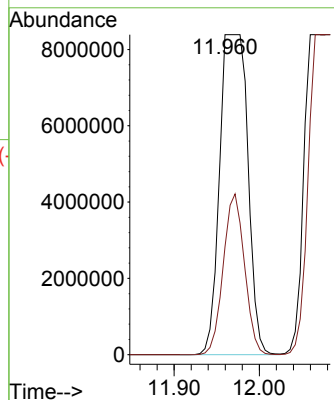
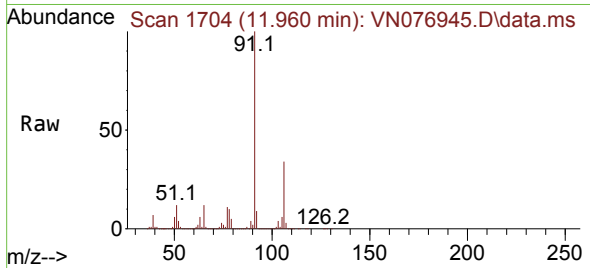




#67
Ethyl Benzene
Concen: 884.875 ug/l
RT: 11.960 min Scan# 1706
Delta R.T. -0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

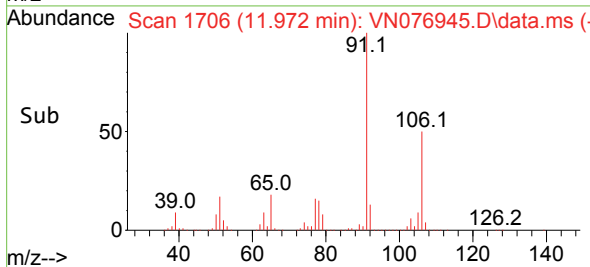
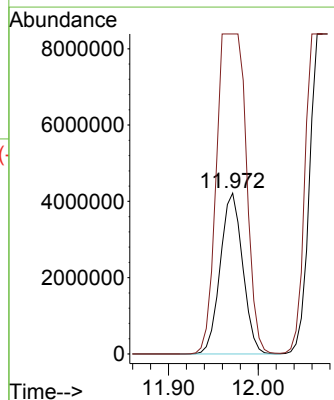
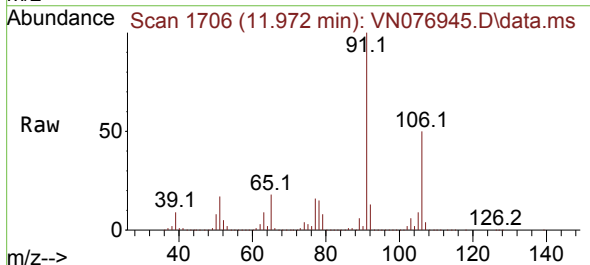
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

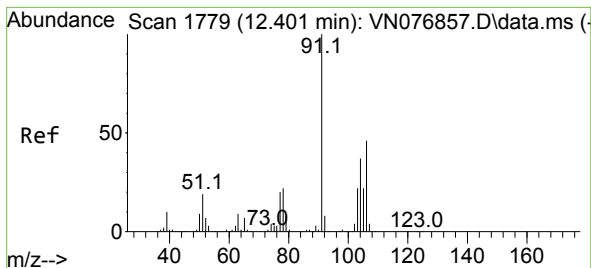
Tgt Ion: 91 Resp:19245668
Ion Ratio Lower Upper
91 100
106 33.7 25.1 37.7



#68
m/p-Xylenes
Concen: 893.454 ug/l
RT: 11.972 min Scan# 1706
Delta R.T. -0.100 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion:106 Resp: 7303719
Ion Ratio Lower Upper
106 100
91 263.5 158.0 237.0#

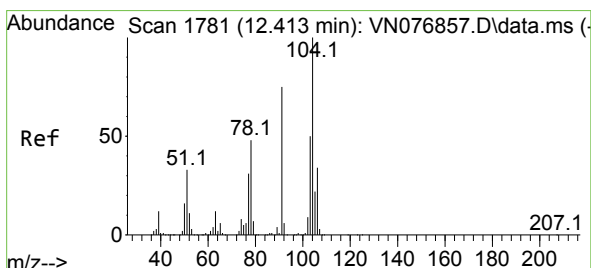
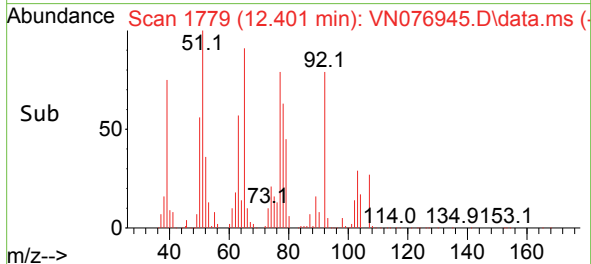
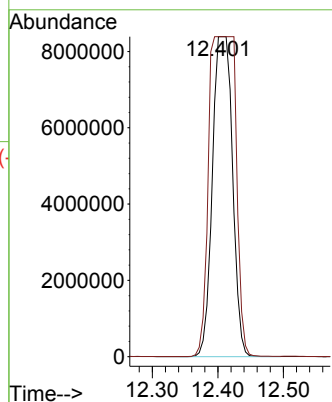
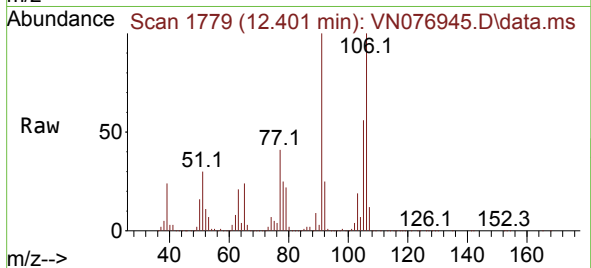




#69
o-Xylene
Concen: 2233.563 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

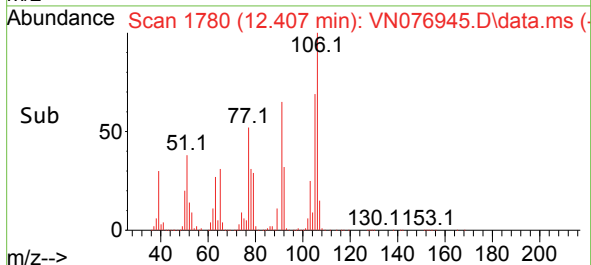
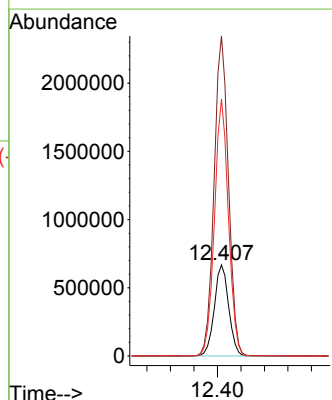
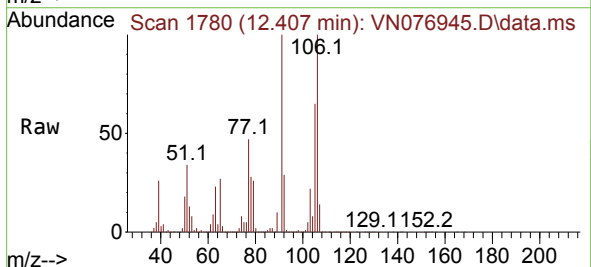
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

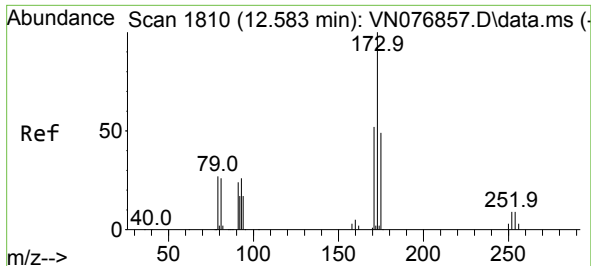
Tgt Ion:106 Resp:17725968
Ion Ratio Lower Upper
106 100
91 0.0 101.8 305.4#



#70
Styrene
Concen: 87.956 ug/l
RT: 12.407 min Scan# 1780
Delta R.T. -0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion:104 Resp: 1127695
Ion Ratio Lower Upper
104 100
78 351.0 36.6 55.0#
103 274.7 43.4 65.0#

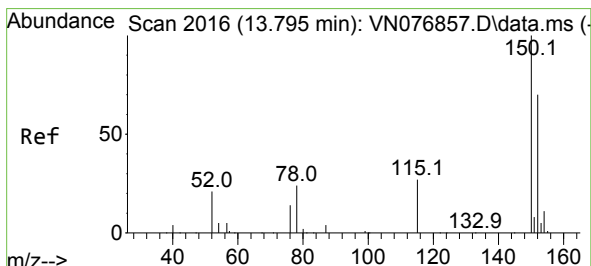
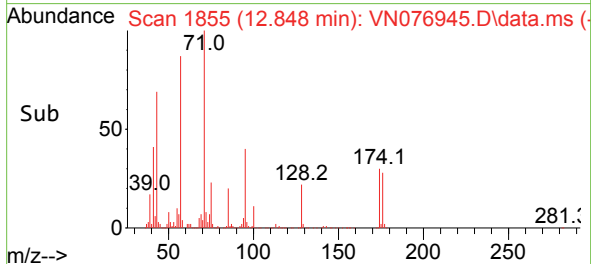
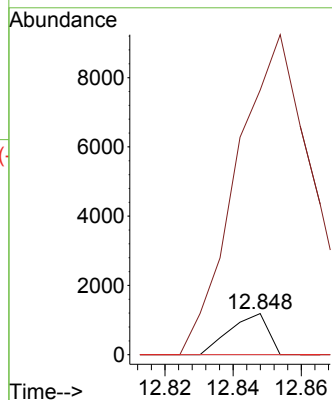
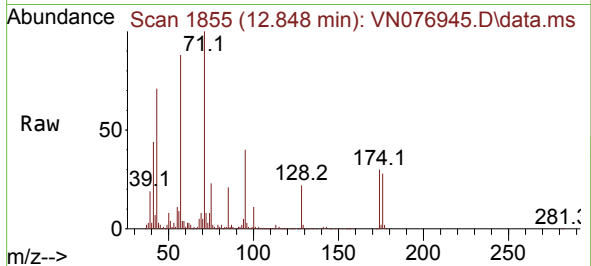




#71
Bromoform
Concen: 0.276 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

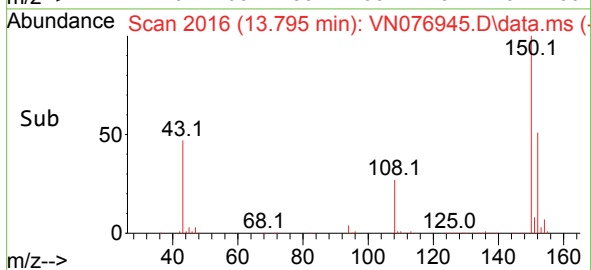
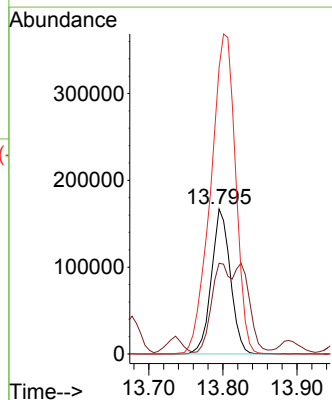
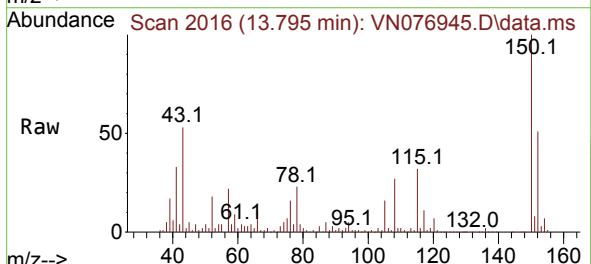
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

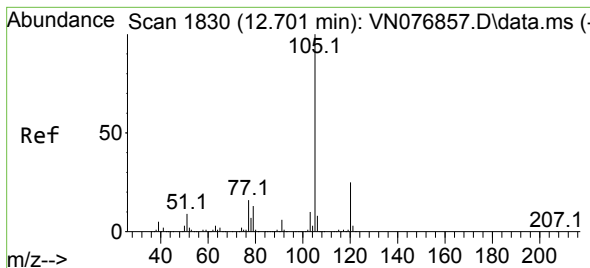
Tgt Ion:173 Resp: 923
Ion Ratio Lower Upper
173 100
175 1290.2 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion:152 Resp: 296114
Ion Ratio Lower Upper
152 100
115 64.3 30.3 90.9
150 291.1 0.0 353.6





#73

Isopropylbenzene

Concen: 133.860 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

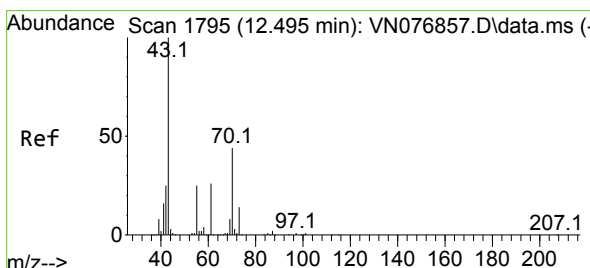
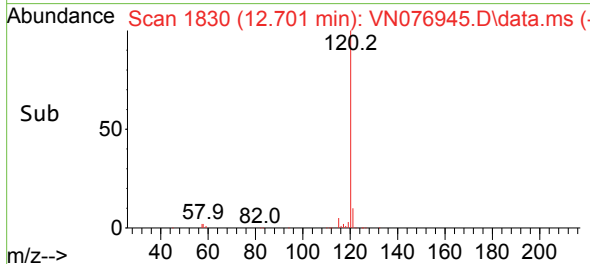
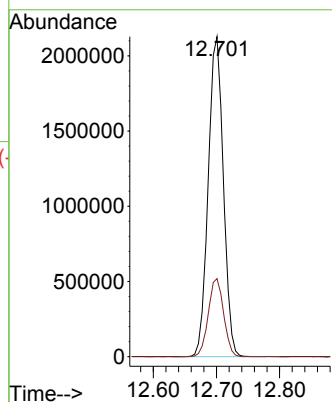
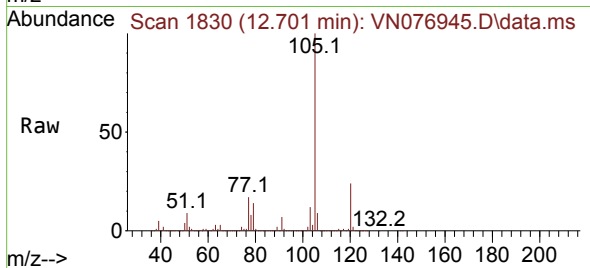
MORRIS-030823

Tgt Ion:105 Resp: 3532002

Ion Ratio Lower Upper

105 100

120 24.8 13.8 41.4



#74

N-ethyl acetate

Concen: 15.564 ug/l

RT: 12.460 min Scan# 1789

Delta R.T. -0.035 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Tgt Ion: 43 Resp: 135966

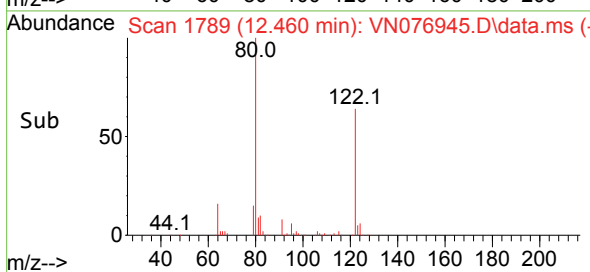
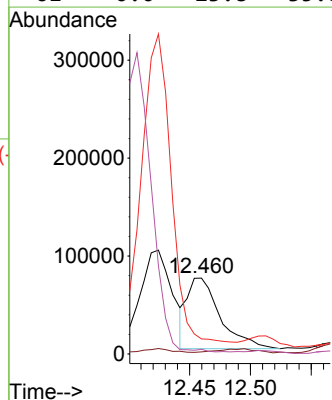
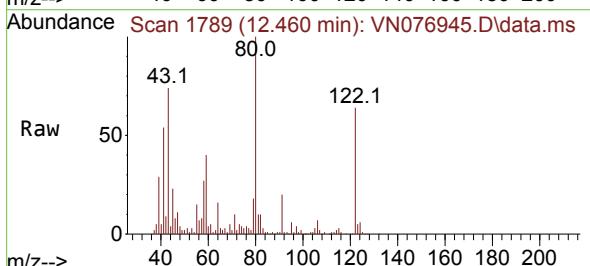
Ion Ratio Lower Upper

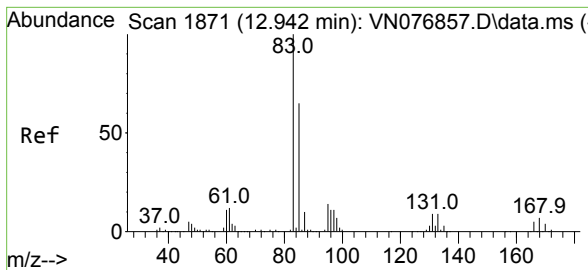
43 100

70 0.0 46.8 70.2#

55 0.0 23.4 35.2#

61 0.0 23.8 35.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 19.534 ug/l

RT: 12.966 min Scan# 1875

Delta R.T. 0.023 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

MORRIS-030823

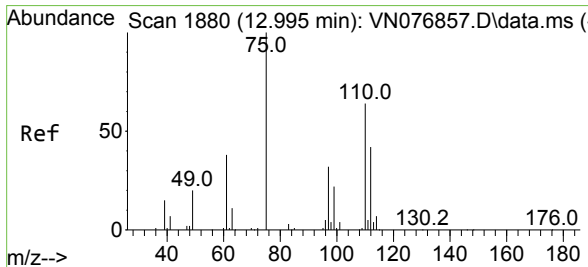
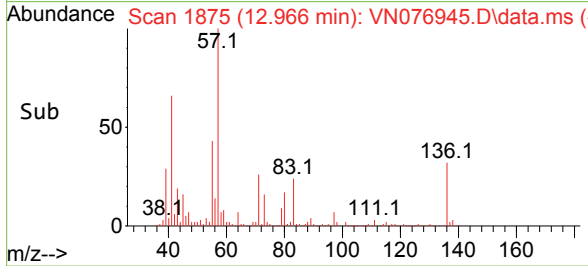
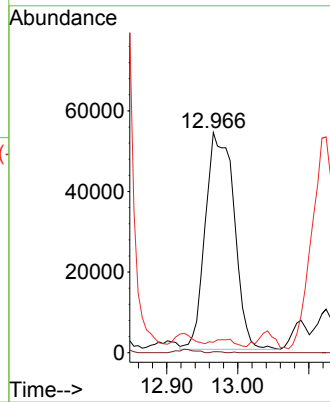
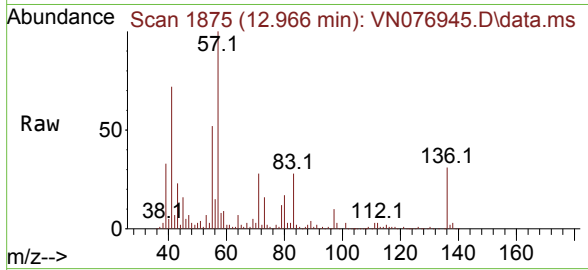
Tgt Ion: 83 Resp: 151660

Ion Ratio Lower Upper

83 100

131 0.2 5.3 16.1#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 4.399 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. 0.041 min

Lab File: VN076945.D

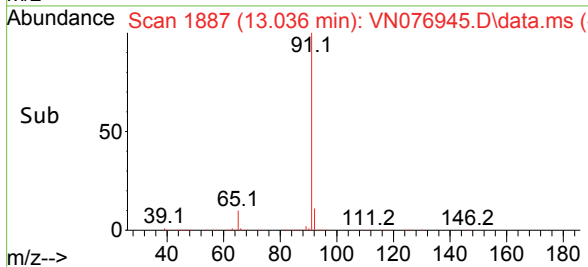
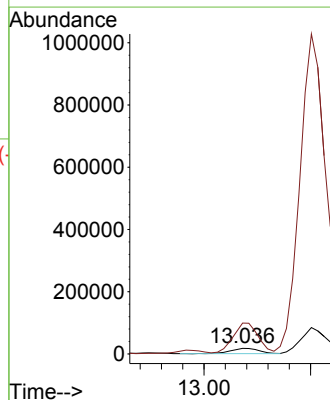
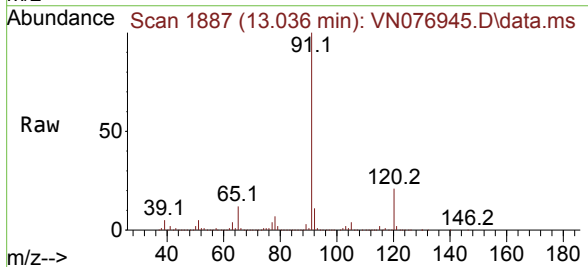
Acq: 10 Mar 2023 23:39

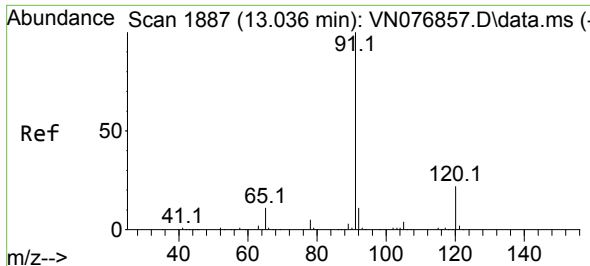
Tgt Ion: 75 Resp: 31584

Ion Ratio Lower Upper

75 100

77 486.2 93.8 281.4#

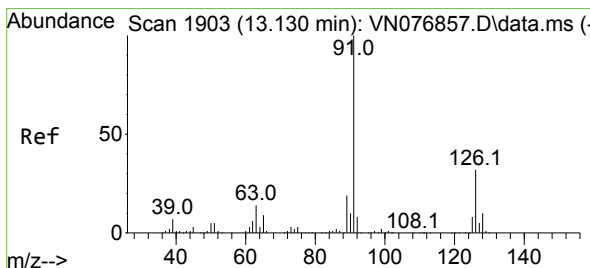
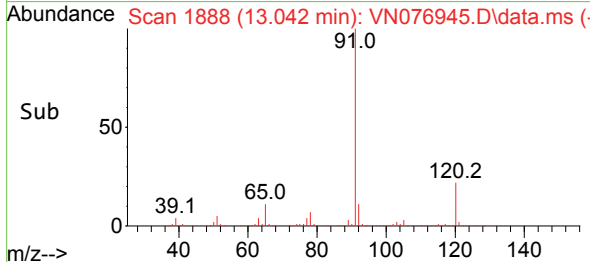
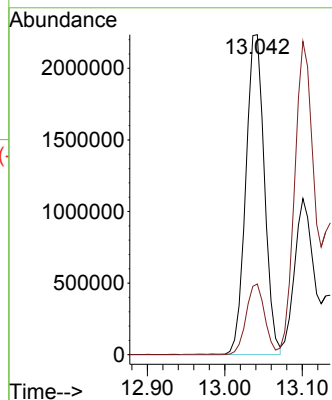
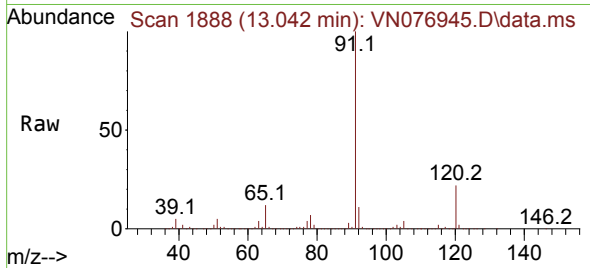




#78
n-propylbenzene
Concen: 126.642 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

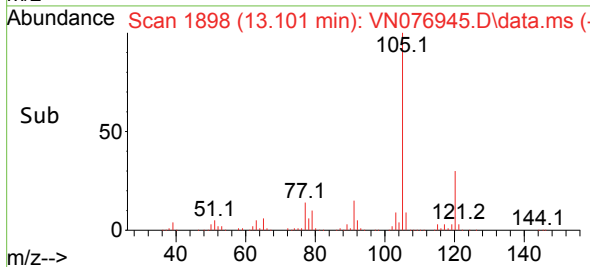
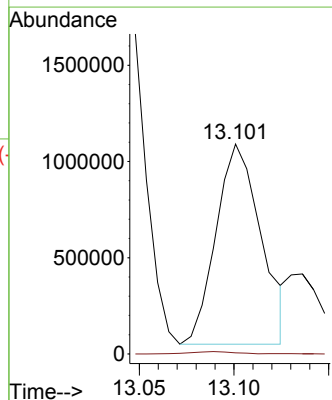
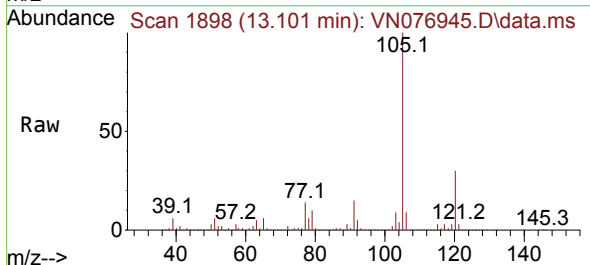
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

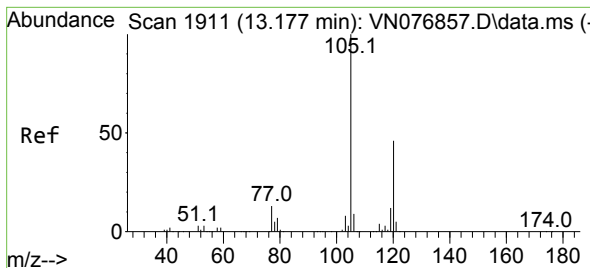
Tgt Ion: 91 Resp: 3721046
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.7



#79
2-Chlorotoluene
Concen: 90.034 ug/l
RT: 13.101 min Scan# 1898
Delta R.T. -0.029 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 91 Resp: 1715492
Ion Ratio Lower Upper
91 100
126 1.3 17.7 53.1#





#80

1,3,5-Trimethylbenzene

Concen: 386.840 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

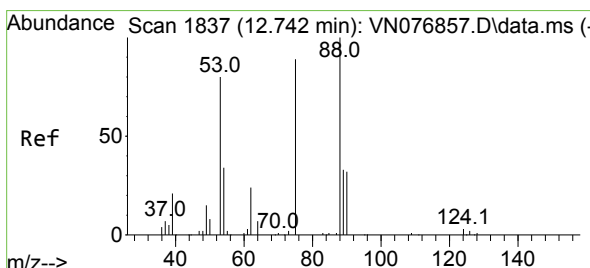
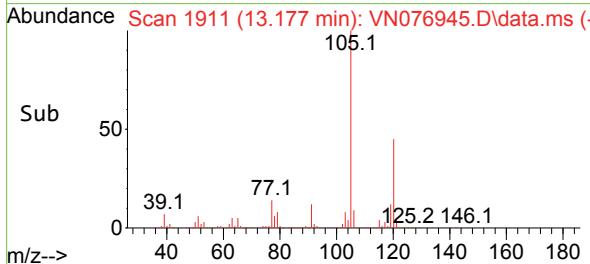
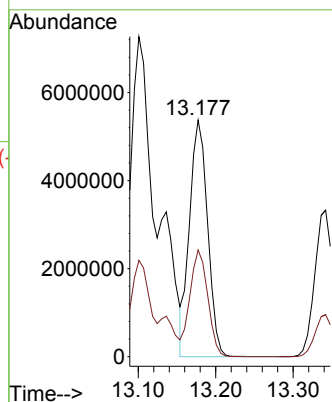
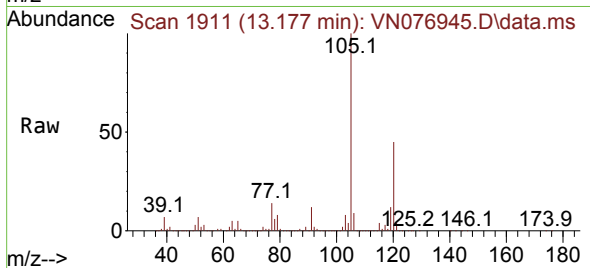
MORRIS-030823

Tgt Ion:105 Resp: 8694730

Ion Ratio Lower Upper

105 100

120 44.6 25.2 75.6



#81

trans-1,4-Dichloro-2-butene

Concen: 5.372 ug/l

RT: 12.742 min Scan# 1837

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

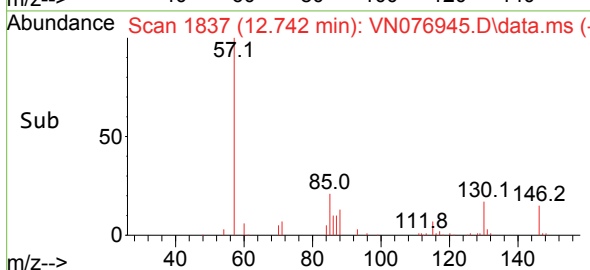
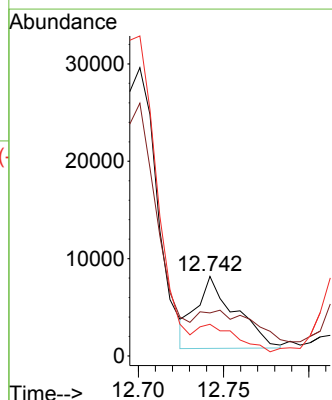
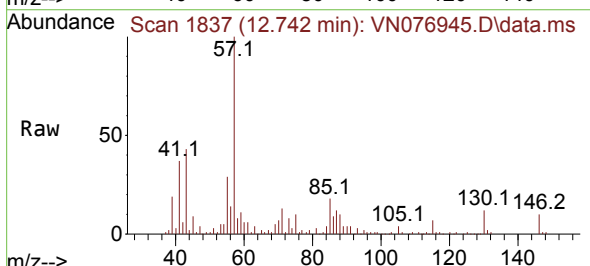
Tgt Ion: 75 Resp: 11806

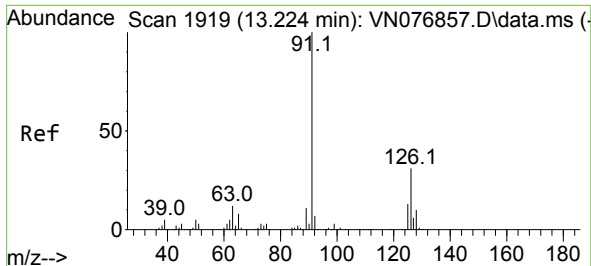
Ion Ratio Lower Upper

75 100

53 58.3 67.4 101.0#

89 0.0 39.5 59.3#

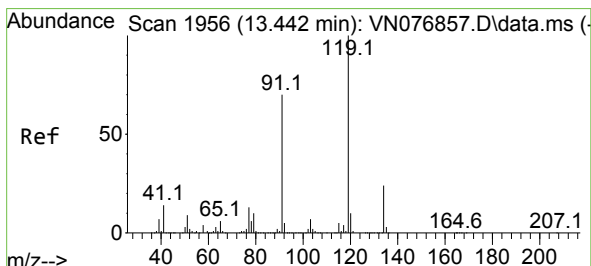
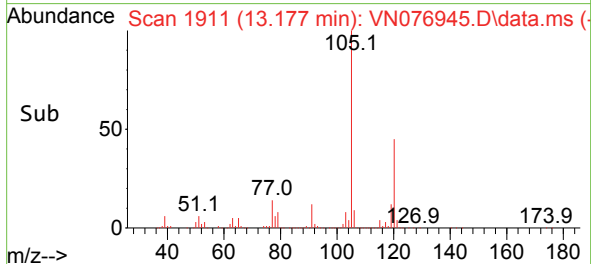
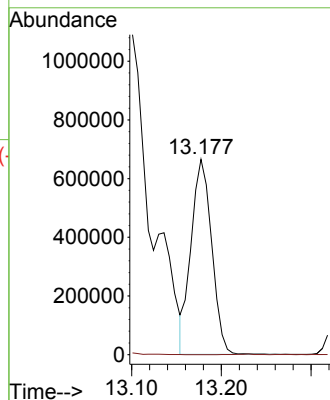
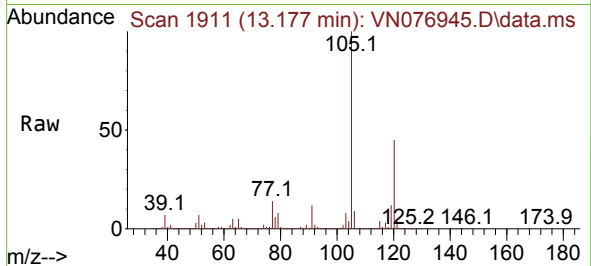




#82
4-Chlorotoluene
Concen: 59.101 ug/l
RT: 13.177 min Scan# 1919
Delta R.T. -0.047 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

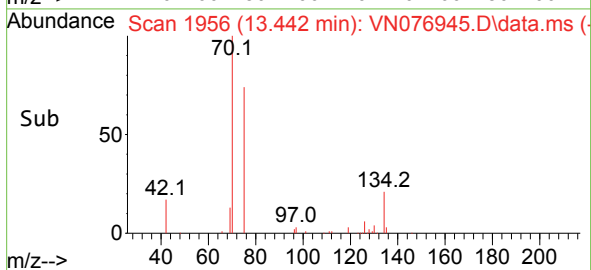
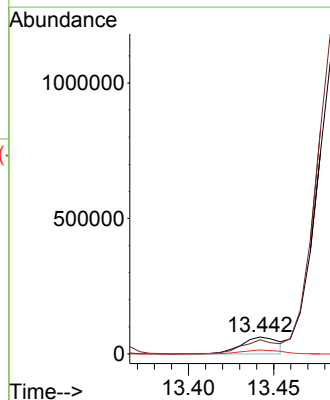
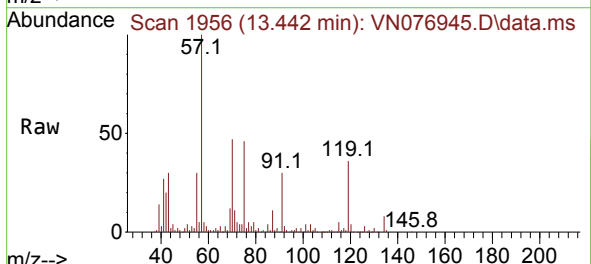
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

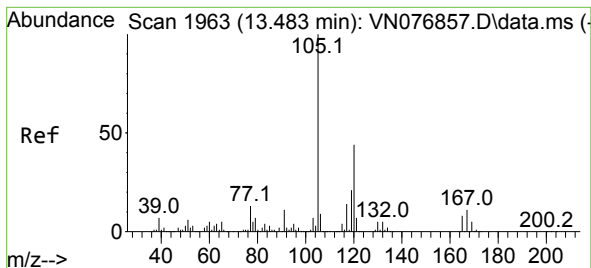
Tgt Ion: 91 Resp: 1064078
Ion Ratio Lower Upper
91 100
126 0.0 18.0 54.0#



#83
tert-Butylbenzene
Concen: 4.979 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 119 Resp: 95063
Ion Ratio Lower Upper
119 100
91 78.5 31.9 95.5
134 25.3 13.8 41.4





#84

1,2,4-Trimethylbenzene

Concen: 696.351 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

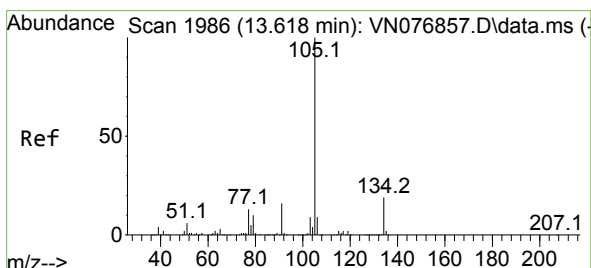
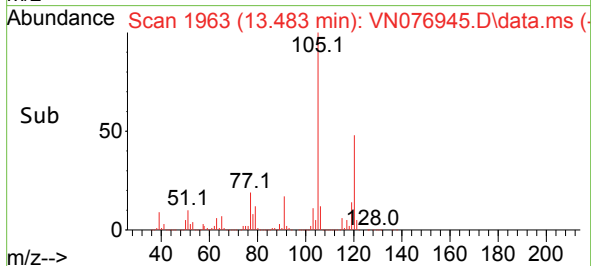
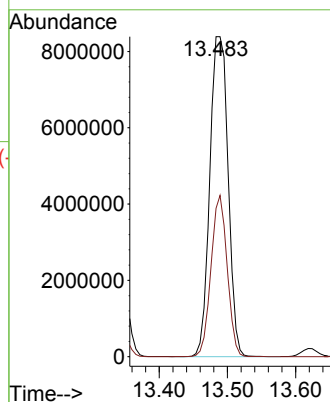
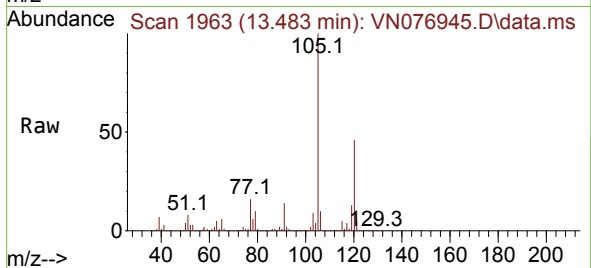
MORRIS-030823

Tgt Ion:105 Resp:15658870

Ion Ratio Lower Upper

105 100

120 44.6 23.6 70.8



#85

sec-Butylbenzene

Concen: 598.268 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. -0.135 min

Lab File: VN076945.D

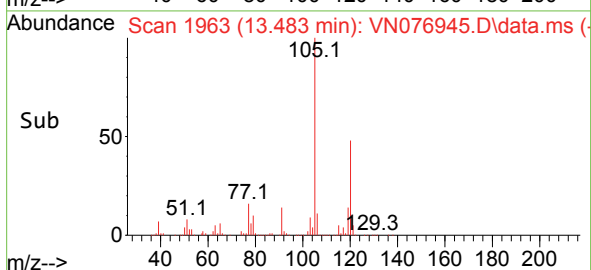
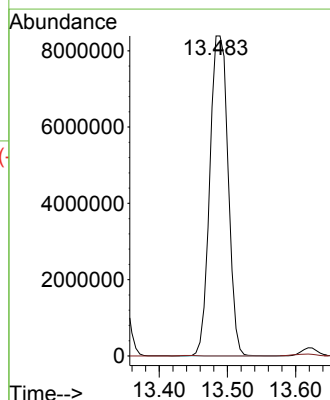
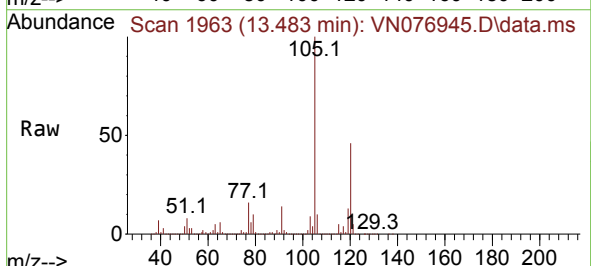
Acq: 10 Mar 2023 23:39

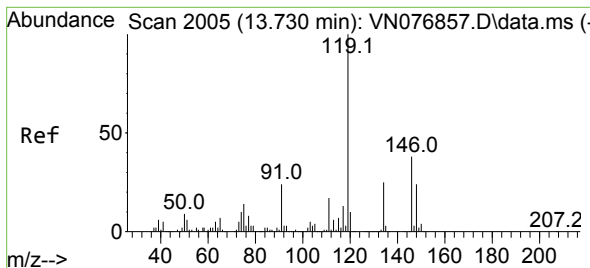
Tgt Ion:105 Resp:15658870

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#

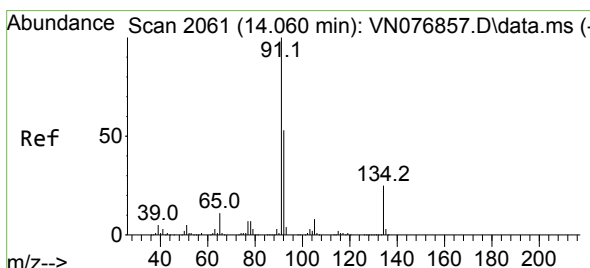
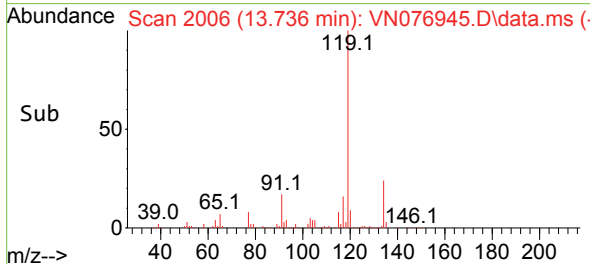
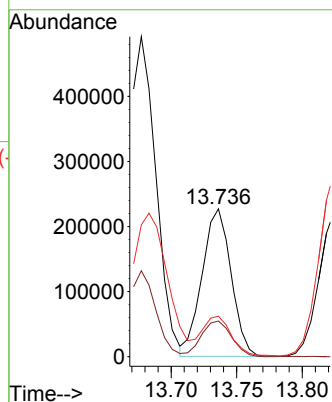
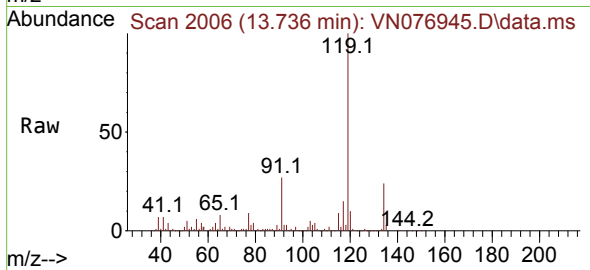




#86
p-Isopropyltoluene
Concen: 16.534 ug/l
RT: 13.736 min Scan# 2005
Delta R.T. 0.006 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

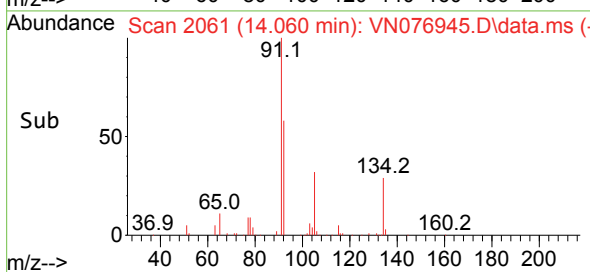
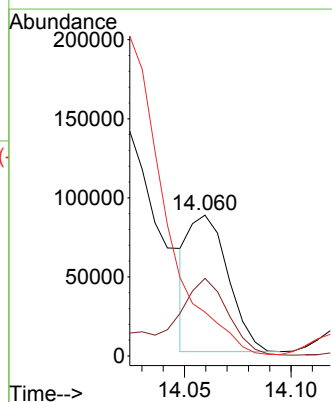
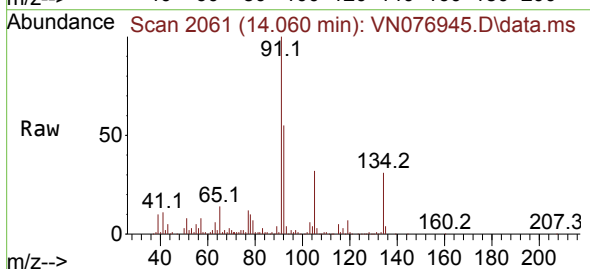
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823

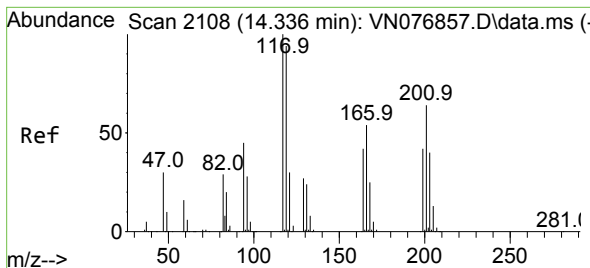
Tgt Ion:119 Resp: 349463
Ion Ratio Lower Upper
119 100
134 25.3 13.5 40.5
91 27.8 11.2 33.6



#89
n-Butylbenzene
Concen: 6.234 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076945.D
Acq: 10 Mar 2023 23:39

Tgt Ion: 91 Resp: 109952
Ion Ratio Lower Upper
91 100
92 68.0 26.6 79.7
134 0.0 13.6 40.7#





#90

Hexachloroethane

Concen: 15.431 ug/l

RT: 14.336 min Scan# 2108

Delta R.T. -0.000 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

Instrument :

MSVOA_N

ClientSampleId :

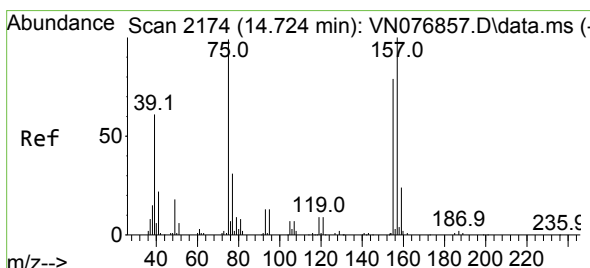
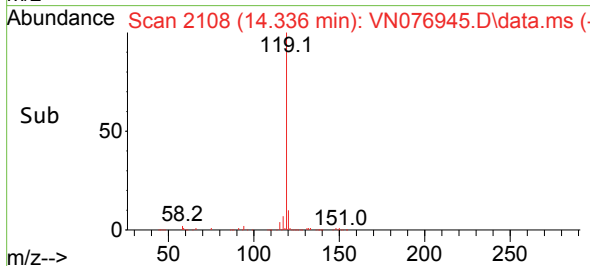
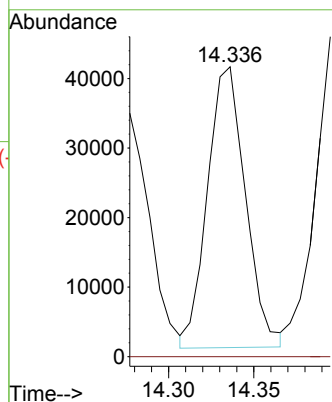
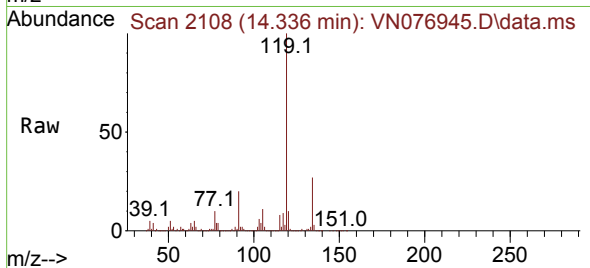
MORRIS-030823

Tgt Ion:117 Resp: 62669

Ion Ratio Lower Upper

117 100

201 0.0 31.9 95.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.411 ug/l

RT: 14.754 min Scan# 2179

Delta R.T. 0.029 min

Lab File: VN076945.D

Acq: 10 Mar 2023 23:39

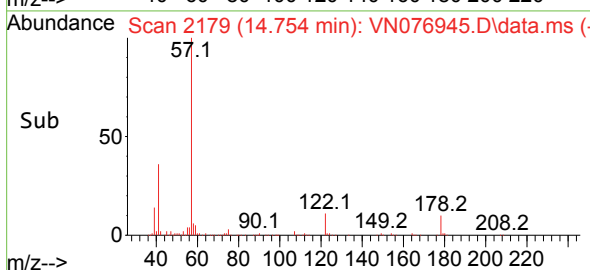
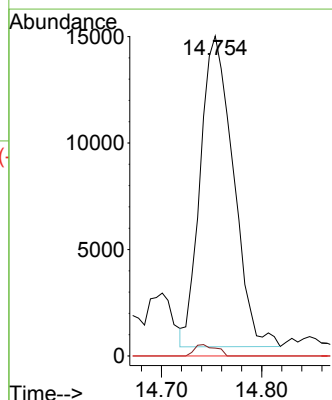
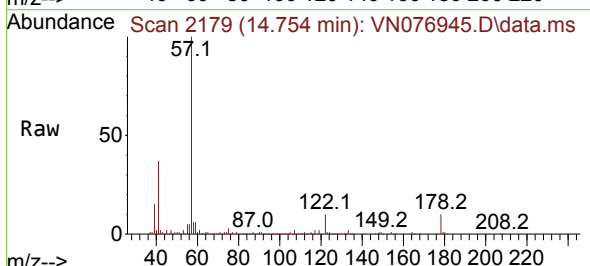
Tgt Ion: 75 Resp: 33273

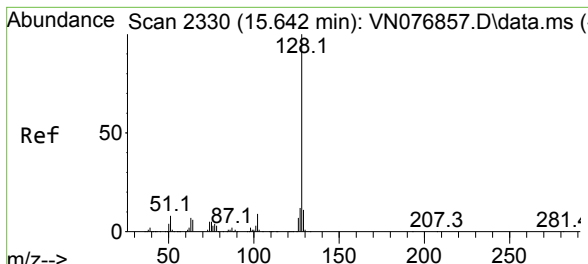
Ion Ratio Lower Upper

75 100

155 2.4 44.3 132.8#

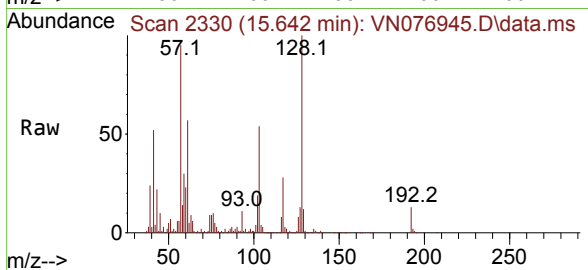
157 0.0 58.3 174.8#





#95
 Naphthalene
 Concen: 29.663 ug/l
 RT: 15.642 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076945.D
 Acq: 10 Mar 2023 23:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MORRIS-030823



Tgt Ion:	128	Resp:	530161
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.1	8.9	13.3

