

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079647.D
 Acq On : 23 Oct 2023 14:35
 Operator : JC\MD
 Sample : 04960-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 23:50:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

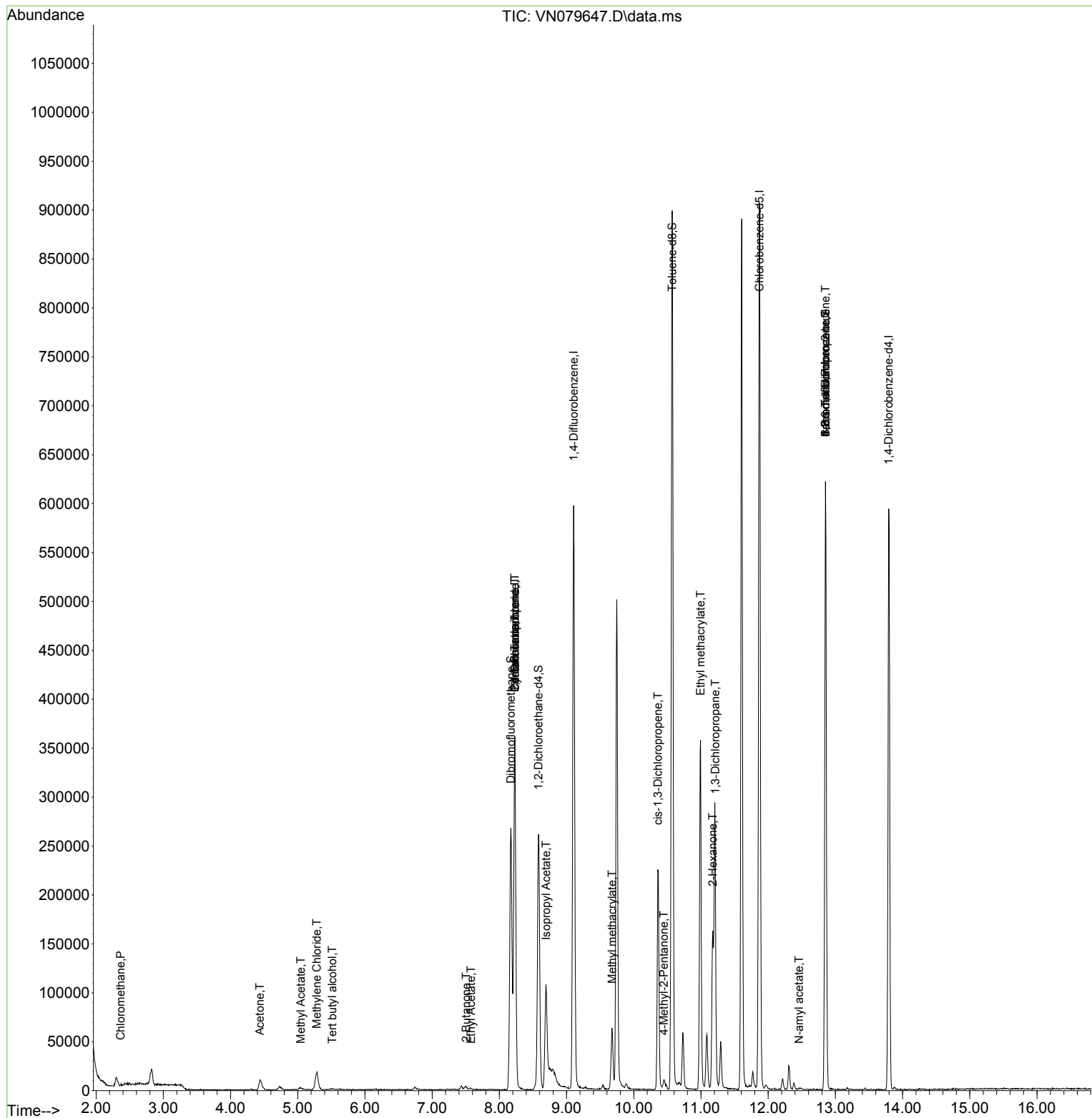
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	245245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	492086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	510045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	214153	53.855	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.720%		
35) Dibromofluoromethane	8.171	113	190955	53.998	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.000%		
50) Toluene-d8	10.571	98	614079	47.992	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.980%		
62) 4-Bromofluorobenzene	12.853	95	204542	49.812	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 99.620%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	913	0.208	ug/l #	42
11) Tert butyl alcohol	5.512	59	903	1.509	ug/l #	72
16) Acetone	4.436	43	20015	12.690	ug/l	91
18) Methyl Acetate	5.047	43	3918	0.508	ug/l #	57
20) Methylene Chloride	5.283	84	13211	3.262	ug/l #	75
25) 2-Butanone	7.506	43	6429	2.746	ug/l #	68
31) Cyclohexane	8.229	56	7091	1.257	ug/l #	34
36) 1,1-Dichloropropene	8.229	75	22656	4.269	ug/l #	46
37) Ethyl Acetate	7.577	43	2797	0.530	ug/l #	70
38) Carbon Tetrachloride	8.229	117	26849	5.053	ug/l #	16
43) Isopropyl Acetate	8.694	43	128480	13.886	ug/l #	74
48) Methyl methacrylate	9.676	41	3276	0.826	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	10799	2.068	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	37472	6.139	ug/l #	70
56) Ethyl methacrylate	10.994	69	2554	0.499	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	3167	0.492	ug/l #	42
59) 2-Hexanone	11.176	43	164428	43.627	ug/l #	19
71) Bromoform	12.853	173	1849	0.607	ug/l #	1
74) N-amyl acetate	12.459	43	1516	0.260	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.964	83	65	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	113305	25.658	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113305	74.447	ug/l #	15
90) Hexachloroethane	14.347	117	80	Below Cal	#	21

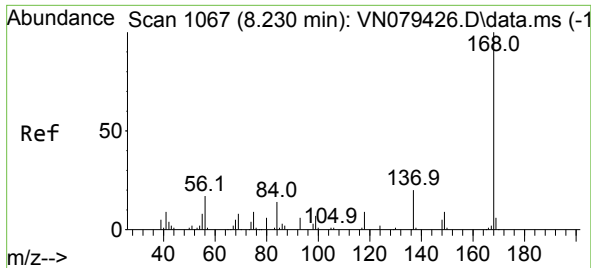
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration

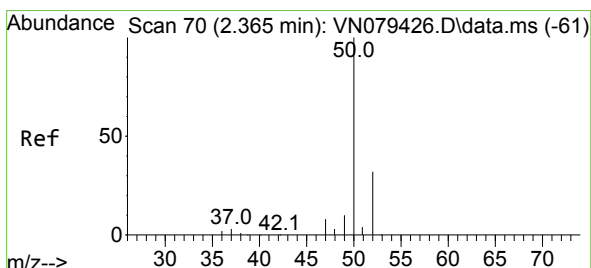
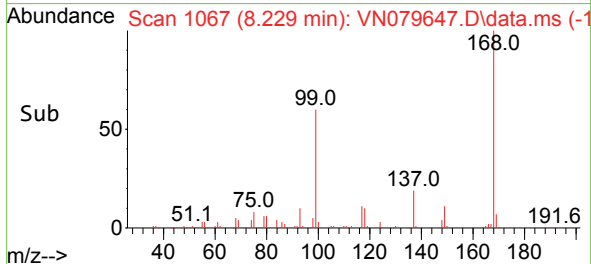
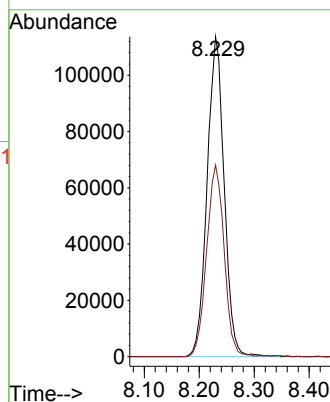
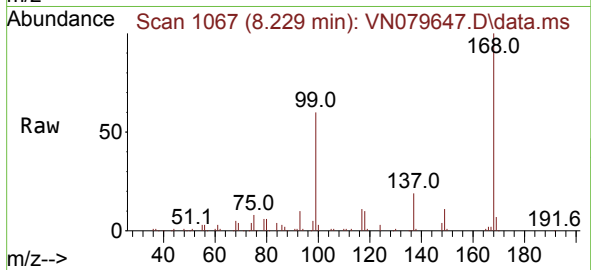




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

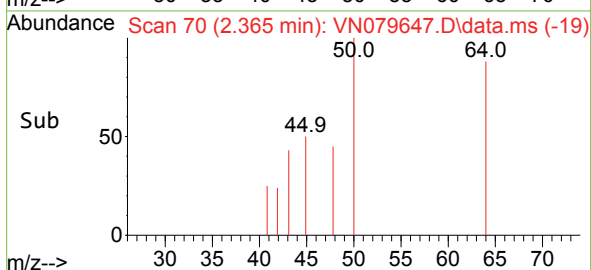
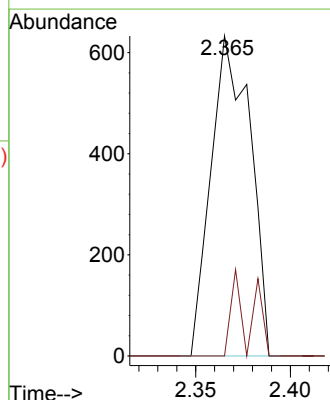
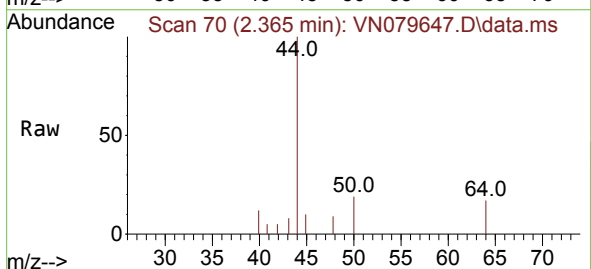
Instrument :
MSVOA_N
ClientSampleId :

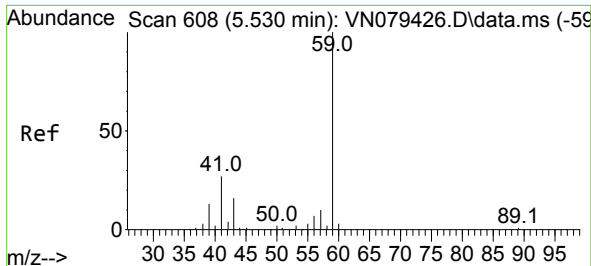
Tgt Ion:168 Resp: 245245
Ion Ratio Lower Upper
168 100
99 59.9 53.0 79.6



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

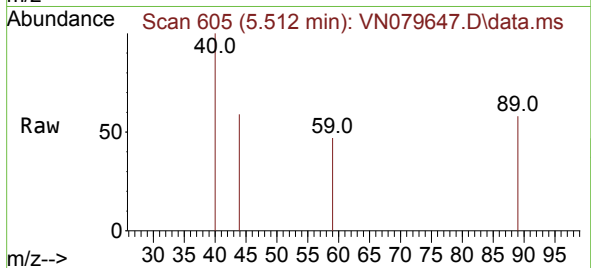
Tgt Ion: 50 Resp: 913
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



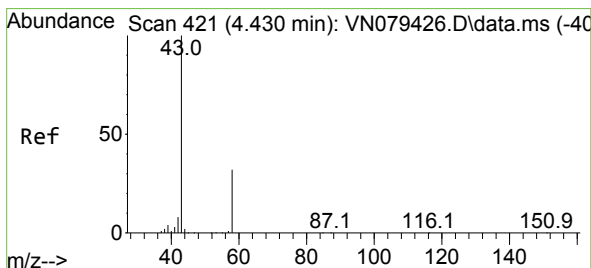
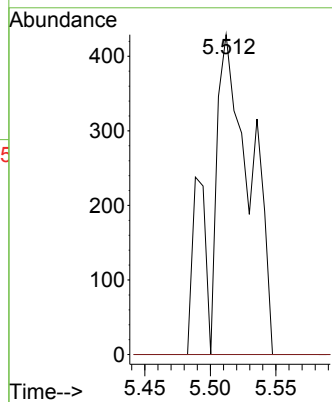
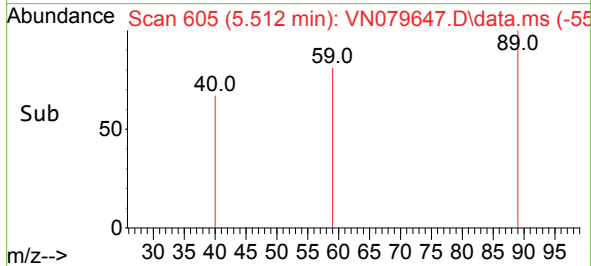


#11
Tert butyl alcohol
Concen: 1.509 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :

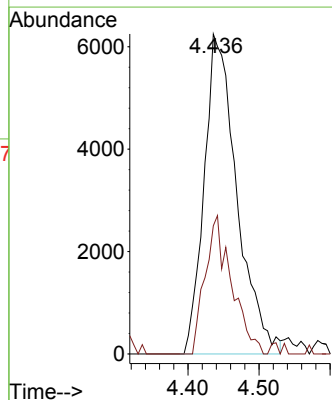
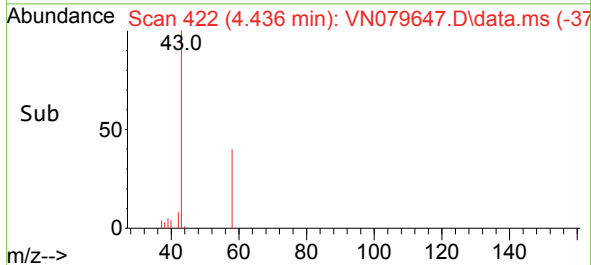
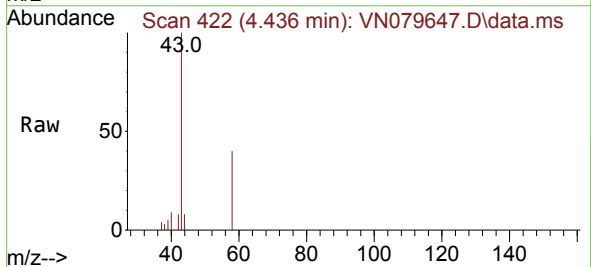


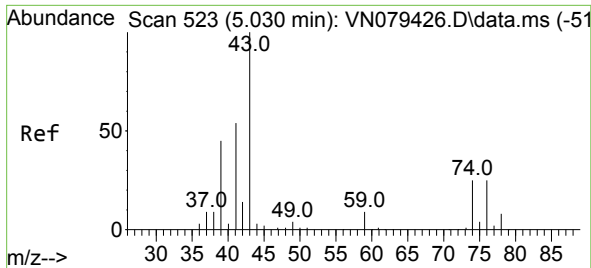
Tgt Ion: 59 Resp: 903
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 12.690 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion: 43 Resp: 20015
Ion Ratio Lower Upper
43 100
58 40.0 28.0 42.0

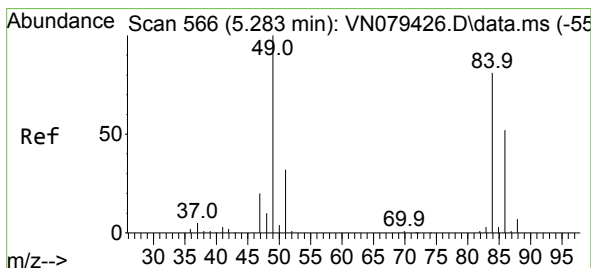
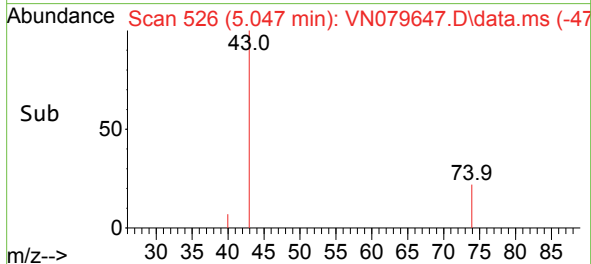
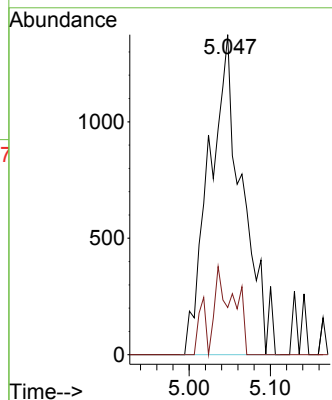
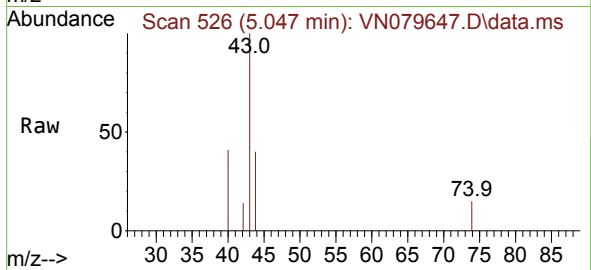




#18
Methyl Acetate
Concen: 0.508 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

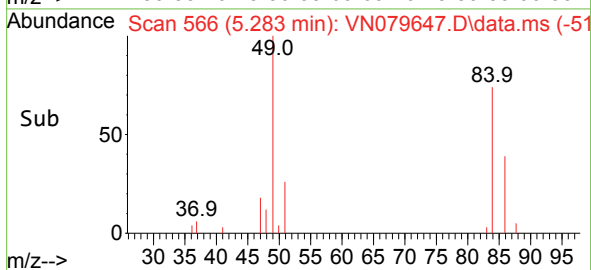
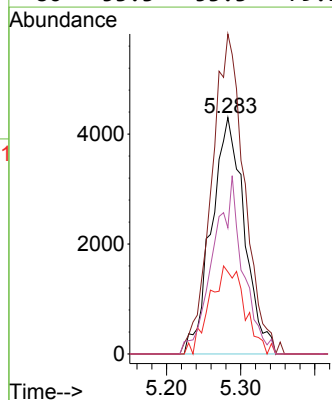
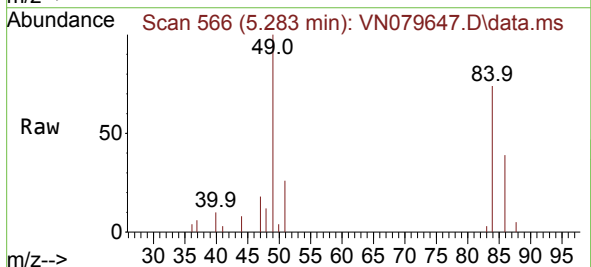
Instrument :
MSVOA_N
ClientSampleId :

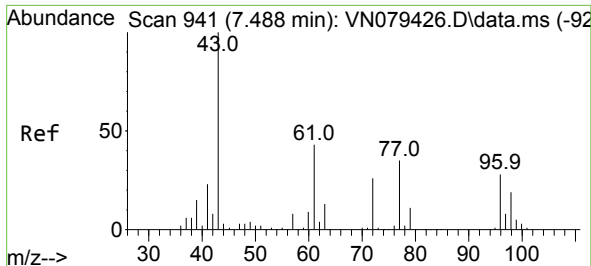
Tgt Ion: 43 Resp: 3918
Ion Ratio Lower Upper
43 100
74 8.8 26.2 39.4#



#20
Methylene Chloride
Concen: 3.262 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion: 84 Resp: 13211
Ion Ratio Lower Upper
84 100
49 135.3 79.7 119.5#
51 34.7 25.2 37.8
86 53.3 53.3 79.9

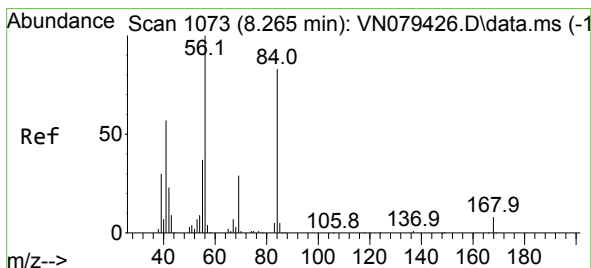
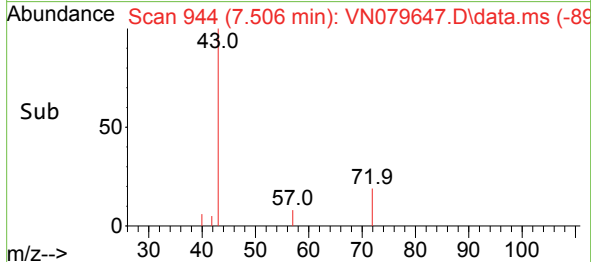
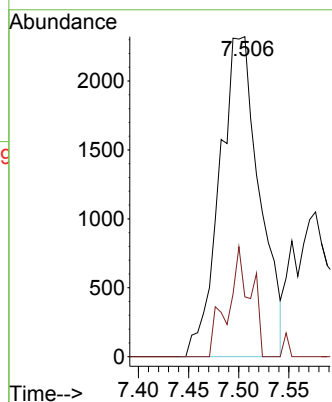
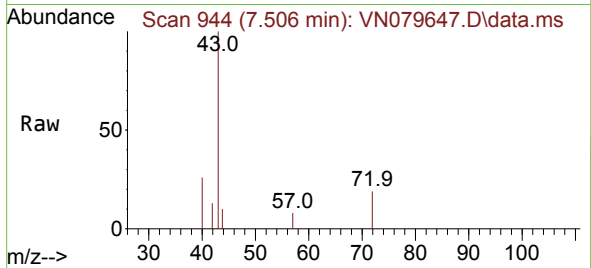




#25
2-Butanone
Concen: 2.746 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

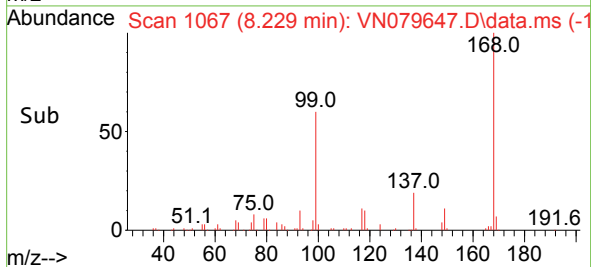
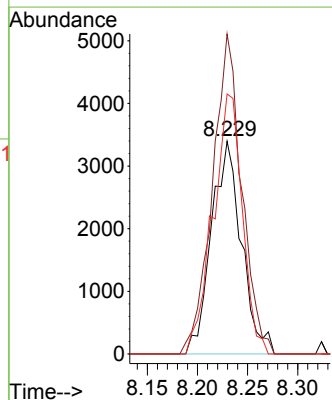
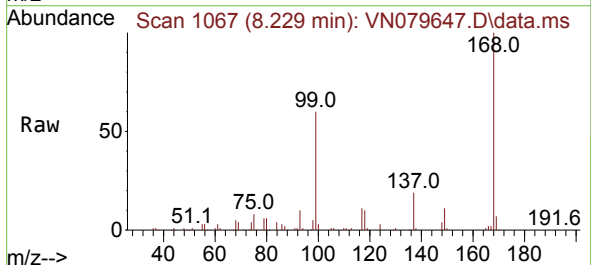
Instrument :
MSVOA_N
ClientSampleId :

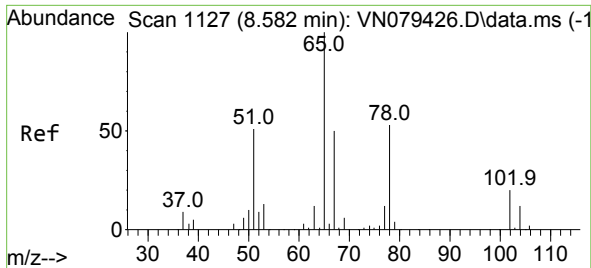
Tgt Ion: 43 Resp: 6429
Ion Ratio Lower Upper
43 100
72 18.7 30.2 45.2#



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion: 56 Resp: 7091
Ion Ratio Lower Upper
56 100
69 150.4 26.8 40.2#
84 122.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.855 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

Instrument :

MSVOA_N

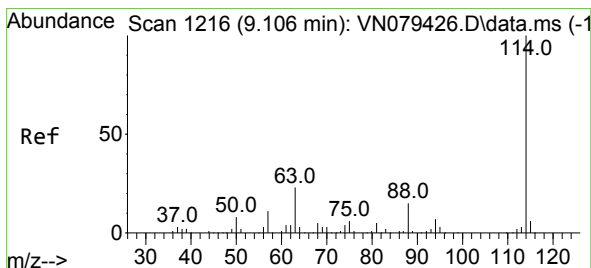
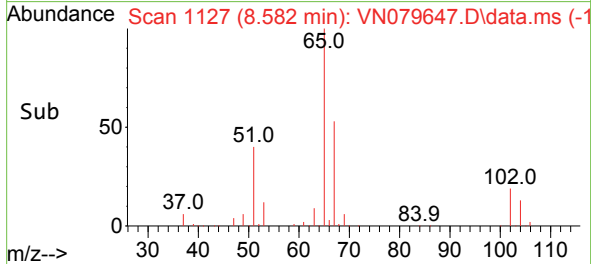
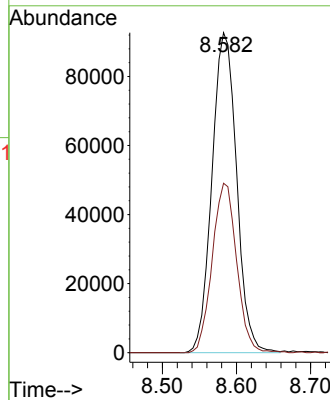
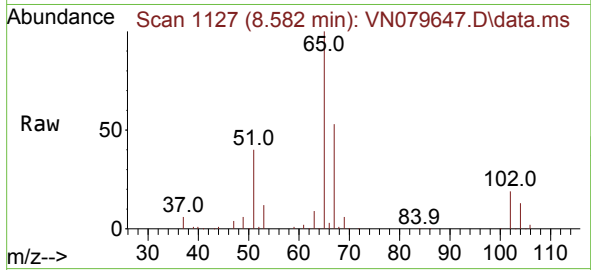
ClientSampleId :

Tgt Ion: 65 Resp: 214153

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

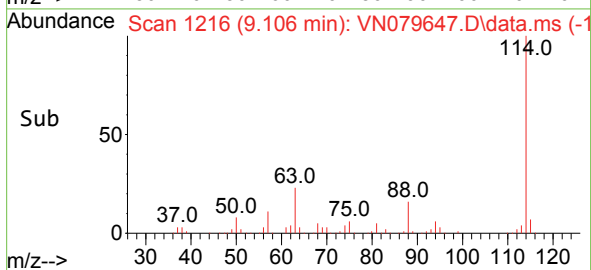
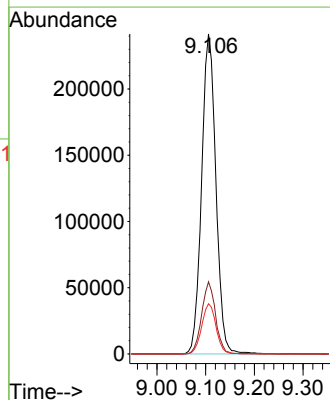
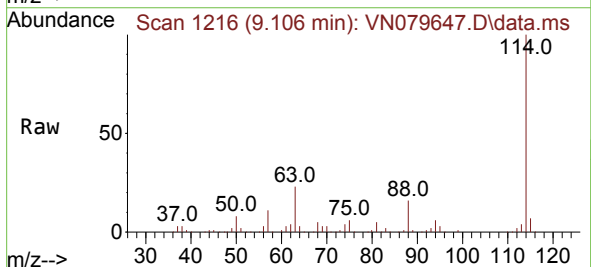
Tgt Ion: 114 Resp: 492086

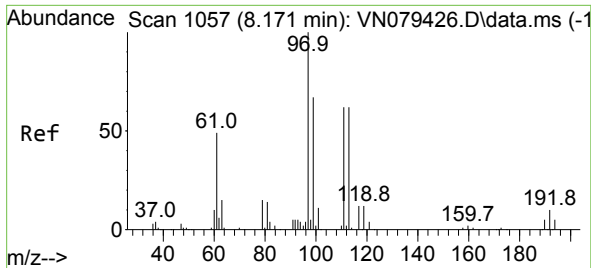
Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

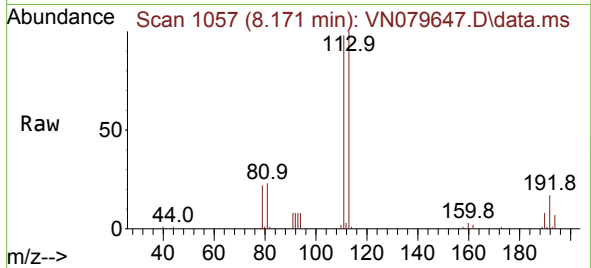
88 15.7 0.0 30.6



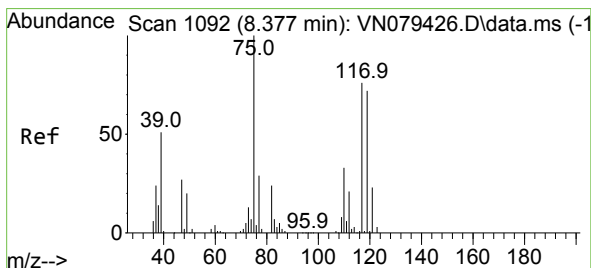
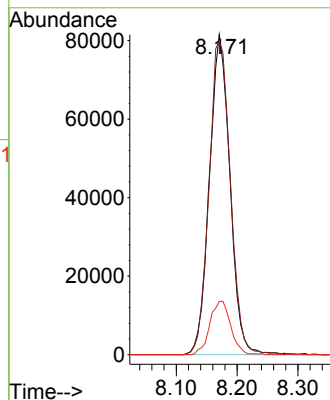
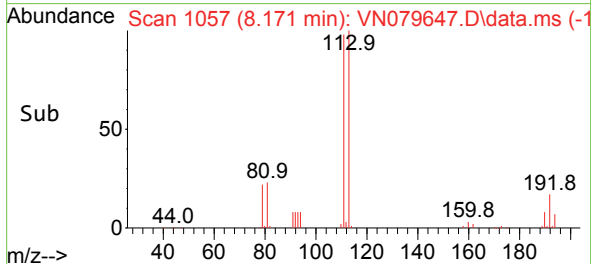


#35
Dibromofluoromethane
Concen: 53.998 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Instrument :
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ClientSampleId :

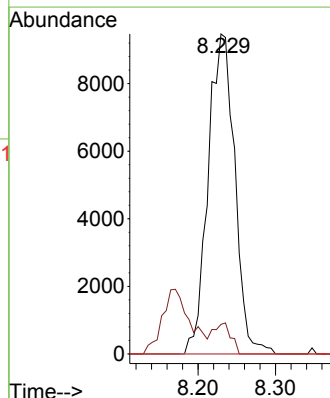
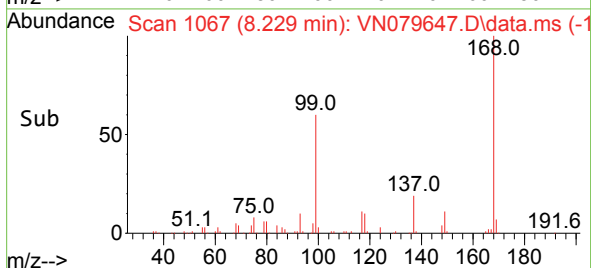
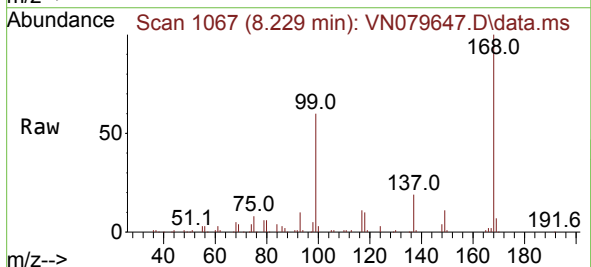


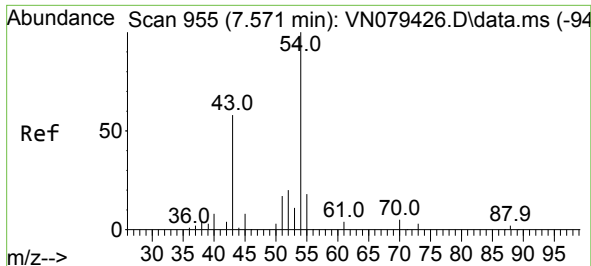
Tgt Ion:113 Resp: 190955
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 17.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.269 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

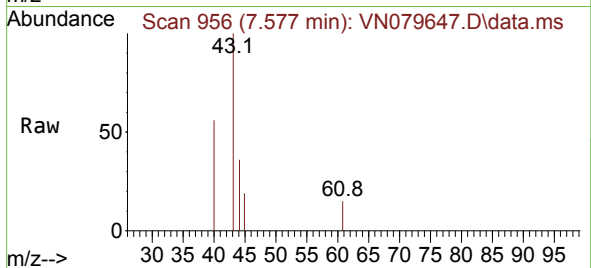
Tgt Ion: 75 Resp: 22656
Ion Ratio Lower Upper
75 100
110 6.5 19.1 57.3#
77 0.0 25.0 37.4#



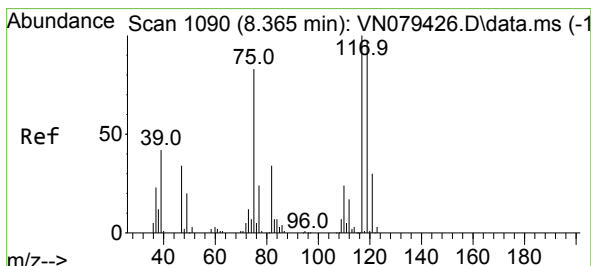
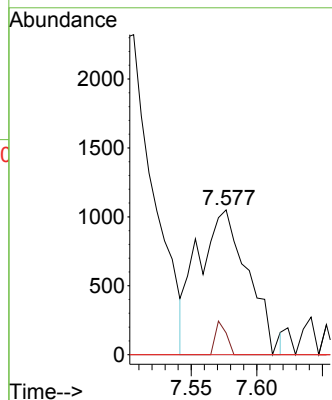
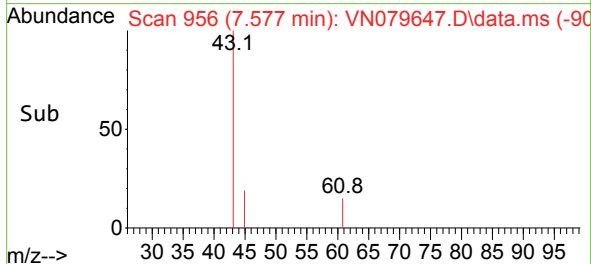


#37
Ethyl Acetate
Concen: 0.530 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :

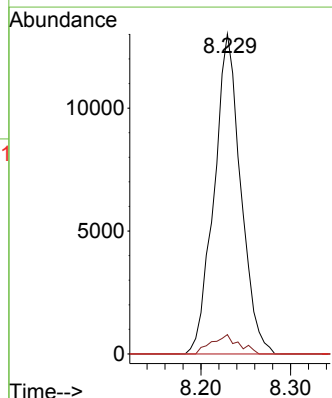
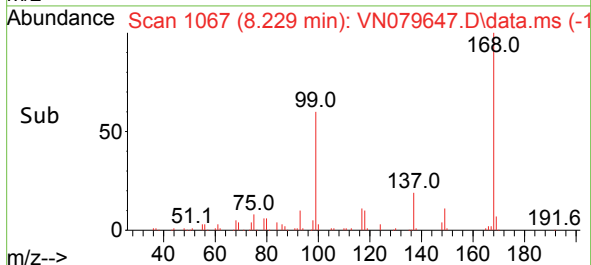
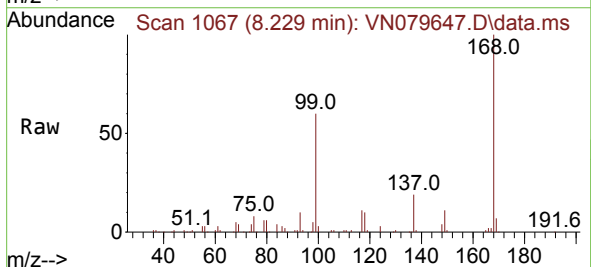


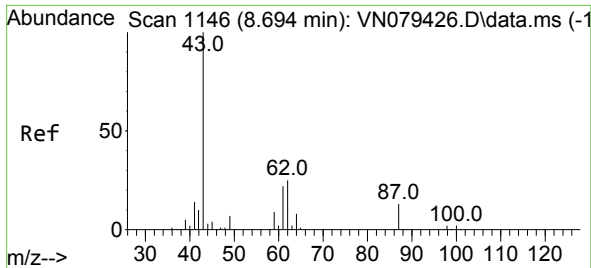
Tgt Ion: 43 Resp: 2797
Ion Ratio Lower Upper
43 100
61 5.1 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.053 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion: 117 Resp: 26849
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#

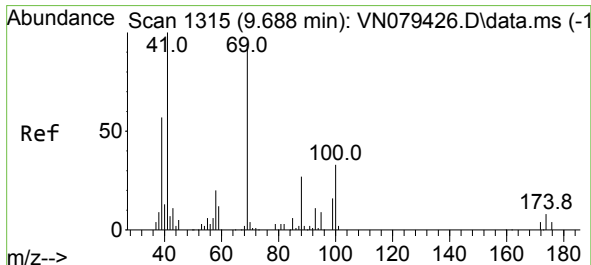
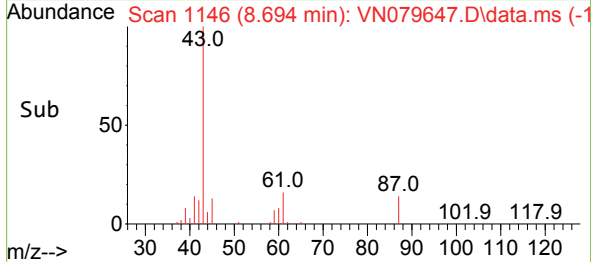
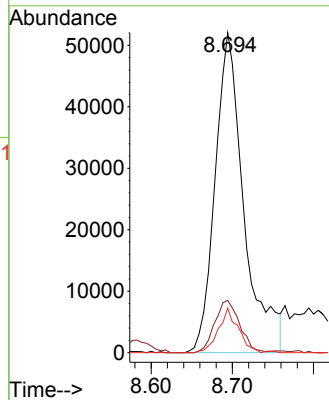
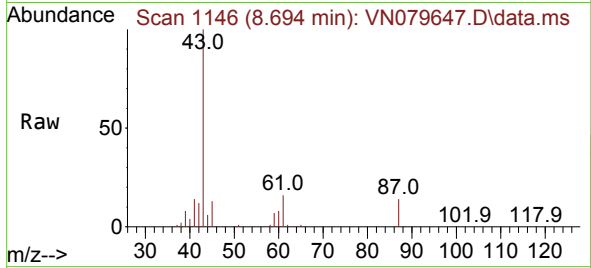




#43
Isopropyl Acetate
Concen: 13.886 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

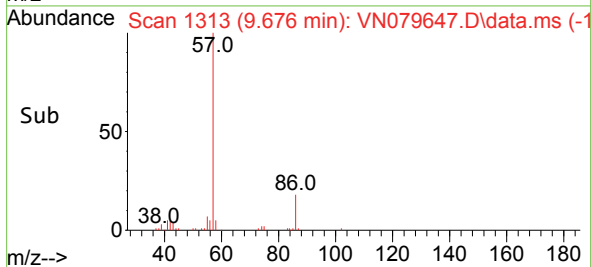
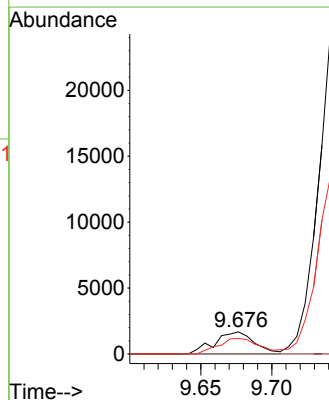
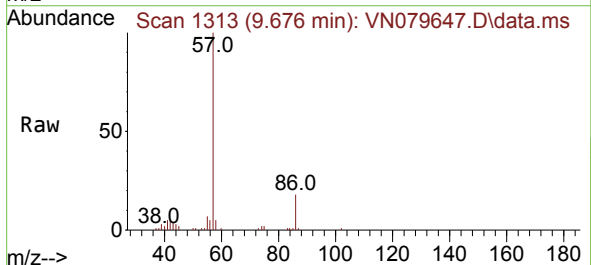
Instrument :
MSVOA_N
ClientSampleId :

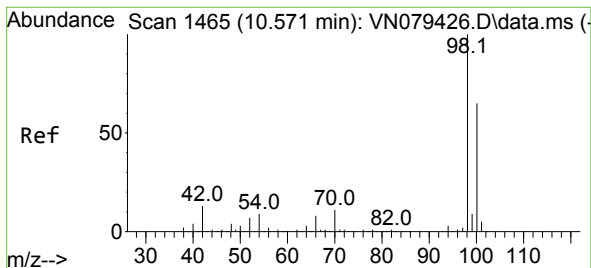
Tgt Ion: 43 Resp: 128480
Ion Ratio Lower Upper
43 100
61 14.1 24.7 37.1#
87 9.6 14.6 21.8#



#48
Methyl methacrylate
Concen: 0.826 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion: 41 Resp: 3276
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 69.9 54.6 81.8

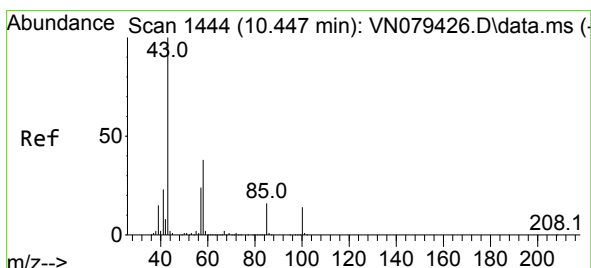
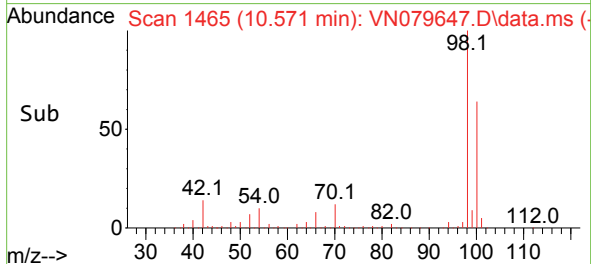
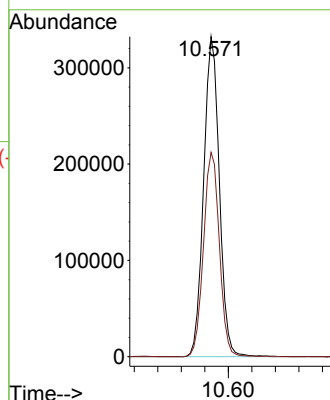
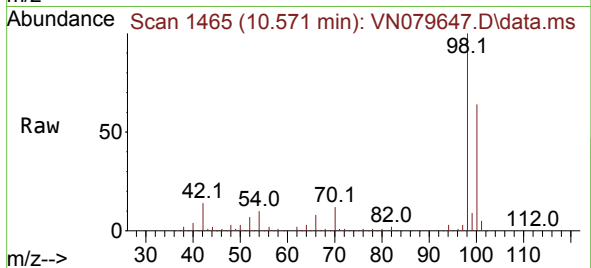




#50
Toluene-d8
Concen: 47.992 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

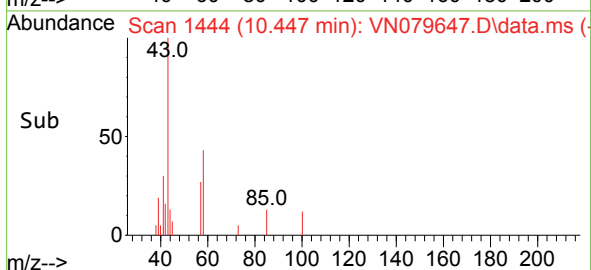
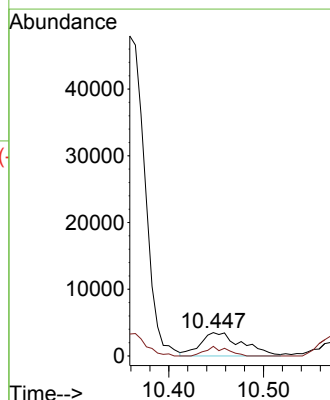
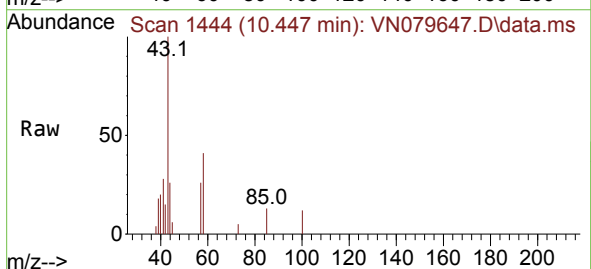
Instrument :
MSVOA_N
ClientSampleId :

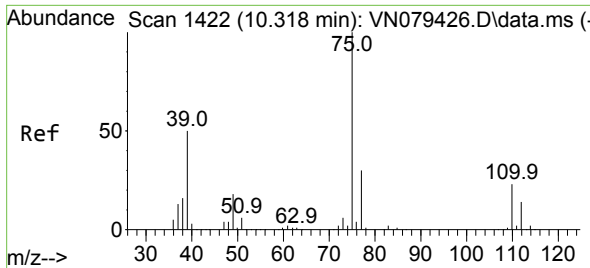
Tgt Ion: 98 Resp: 614079
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.068 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion: 43 Resp: 10799
Ion Ratio Lower Upper
43 100
58 21.4 36.6 54.8#

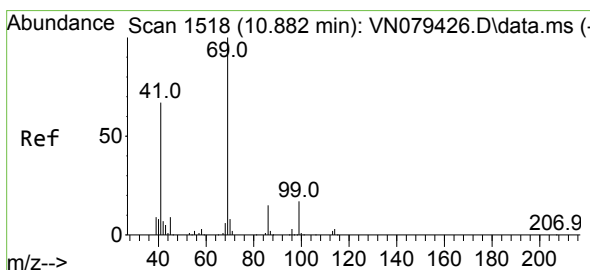
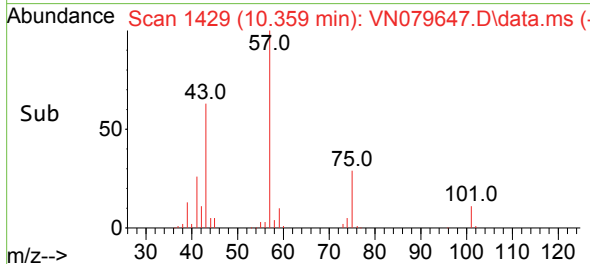
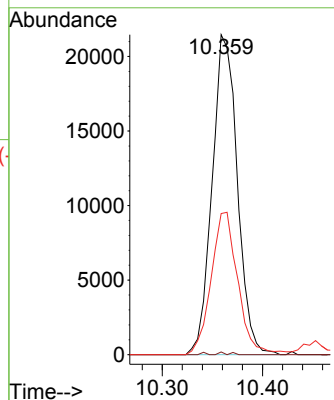
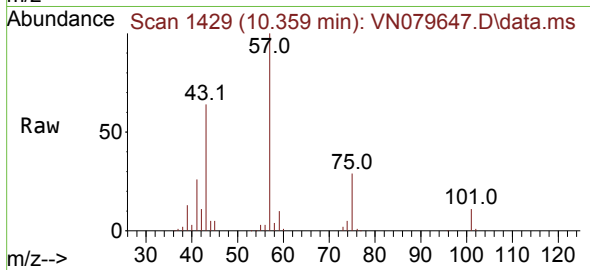




#54
 cis-1,3-Dichloropropene
 Concen: 6.139 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079647.D
 Acq: 23 Oct 2023 14:35

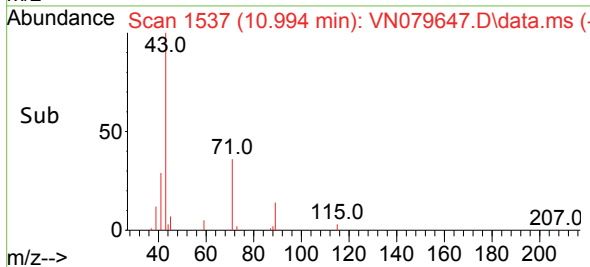
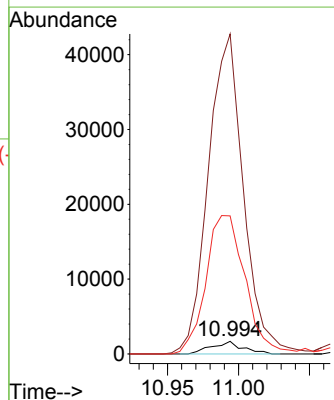
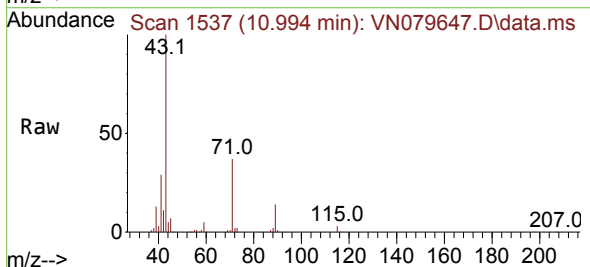
Instrument :
 MSVOA_N
 ClientSampleId :

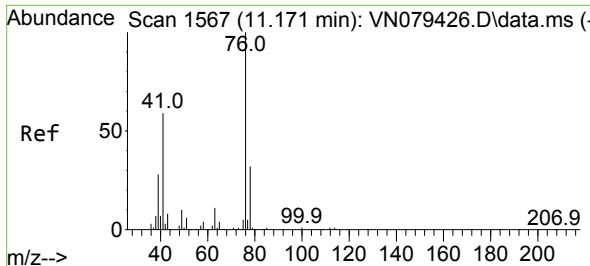
Tgt Ion: 75 Resp: 37472
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.1 39.1#
 39 44.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.499 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.112 min
 Lab File: VN079647.D
 Acq: 23 Oct 2023 14:35

Tgt Ion: 69 Resp: 2554
 Ion Ratio Lower Upper
 69 100
 41 2889.7 39.6 59.4#
 39 1389.8 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.492 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

Instrument :

MSVOA_N

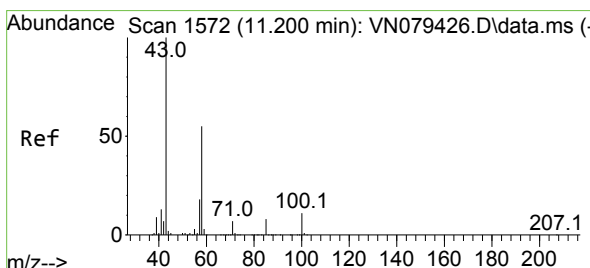
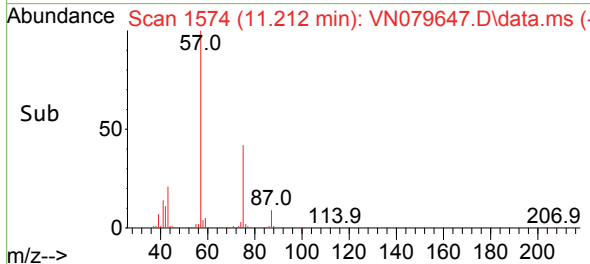
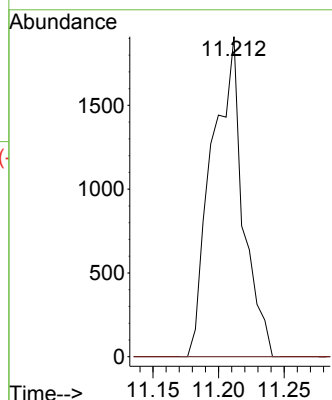
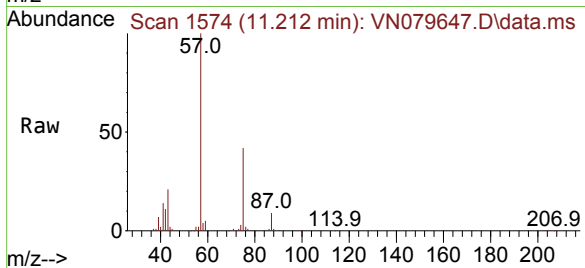
ClientSampleId :

Tgt Ion: 76 Resp: 3167

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.627 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079647.D

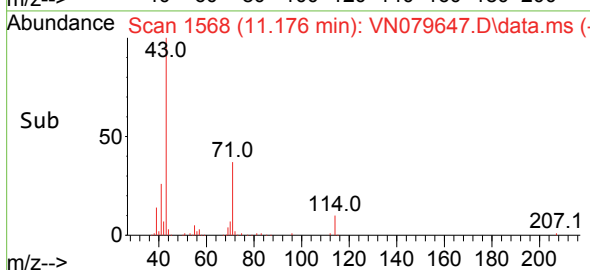
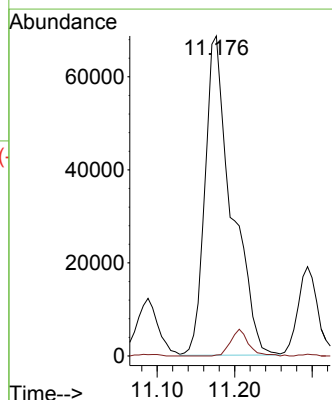
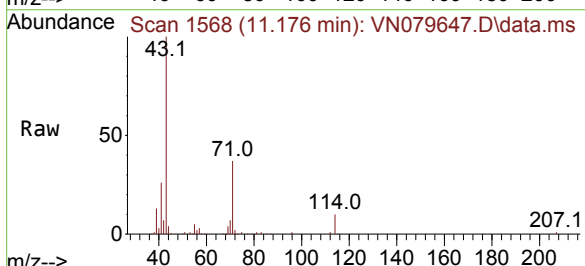
Acq: 23 Oct 2023 14:35

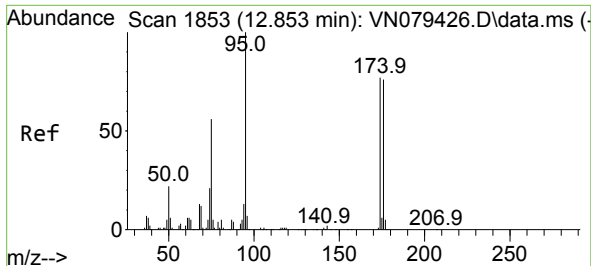
Tgt Ion: 43 Resp: 164428

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

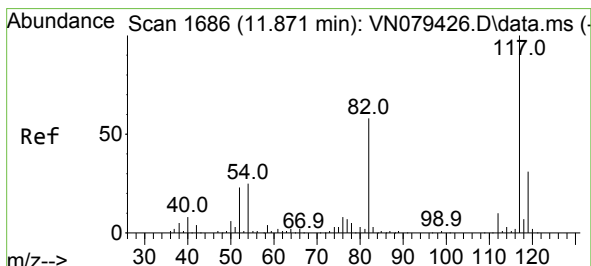
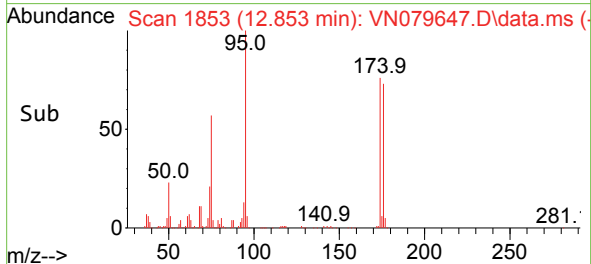
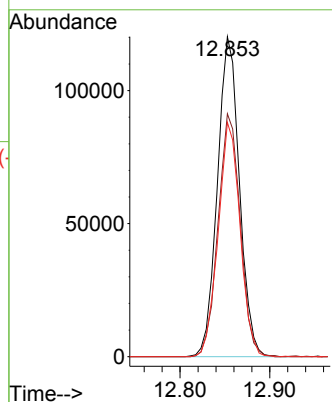
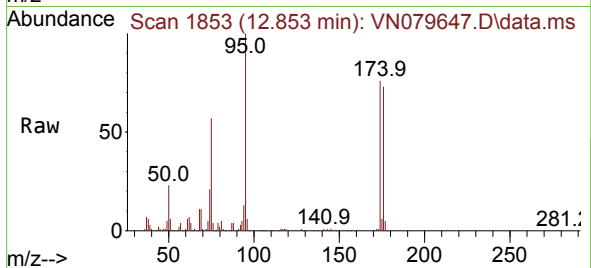




#62
4-Bromofluorobenzene
Concen: 49.812 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

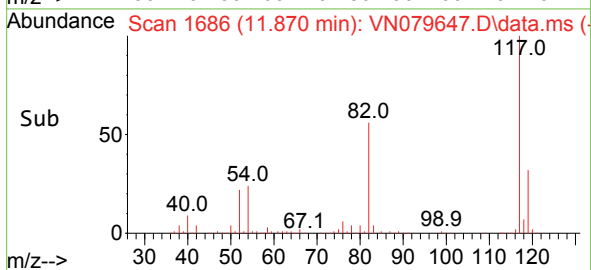
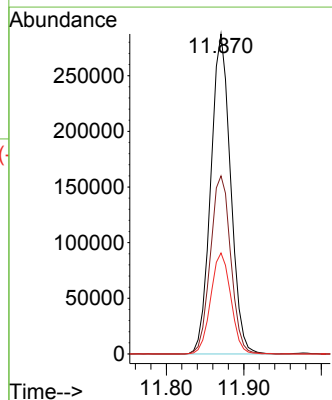
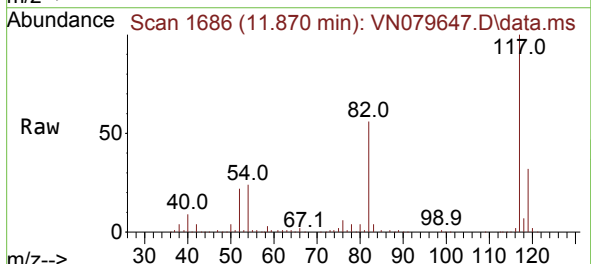
Instrument :
MSVOA_N
ClientSampleId :

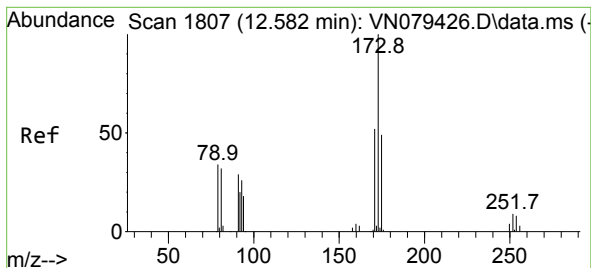
Tgt Ion: 95 Resp: 204542
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 72.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion: 117 Resp: 510045
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.5 25.6 38.4





#71

Bromoform

Concen: 0.607 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

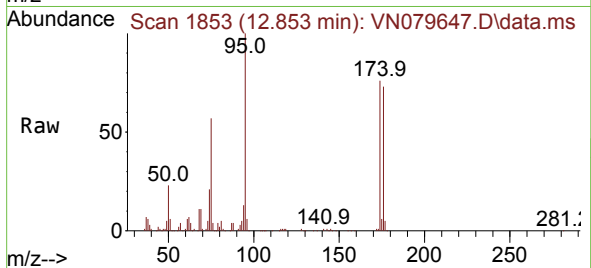
Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :



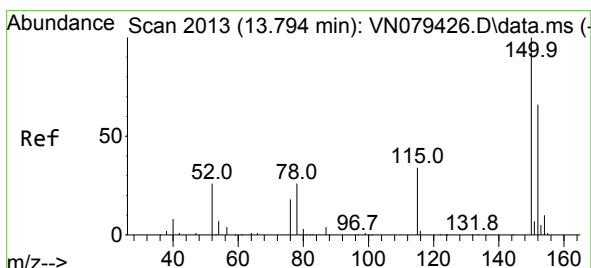
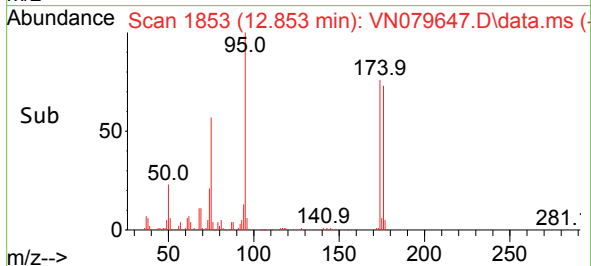
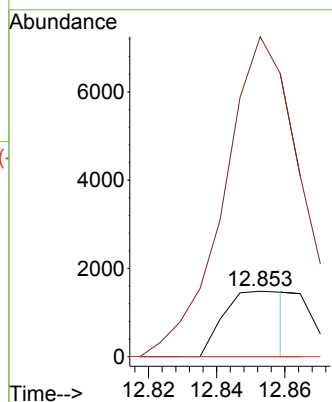
Tgt Ion:173 Resp: 1849

Ion Ratio Lower Upper

173 100

175 482.6 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

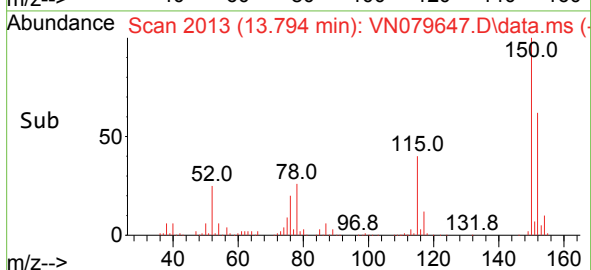
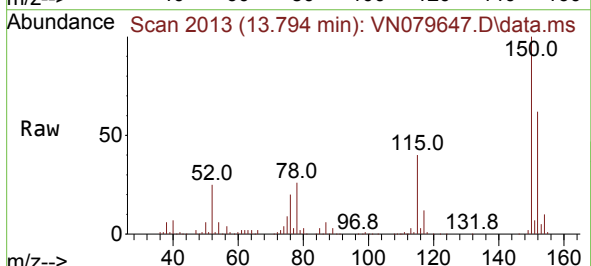
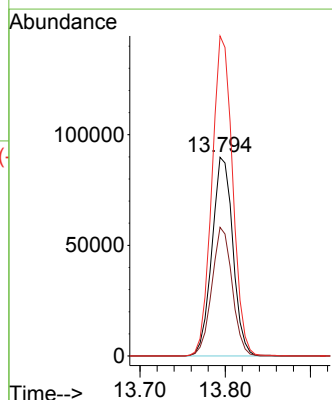
Tgt Ion:152 Resp: 153161

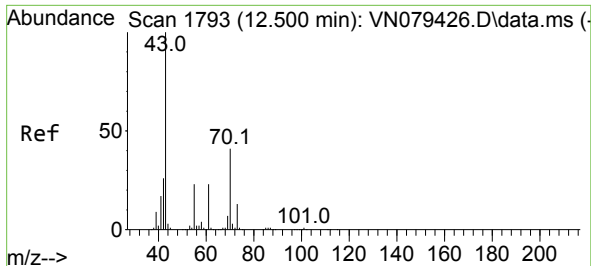
Ion Ratio Lower Upper

152 100

115 63.0 32.3 96.8

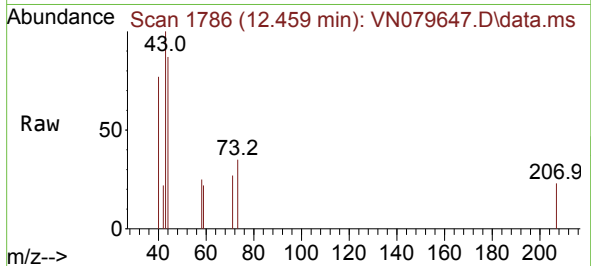
150 159.7 0.0 355.8



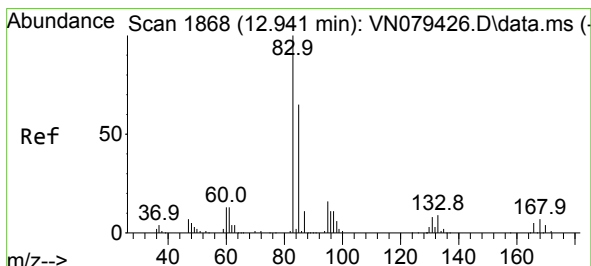
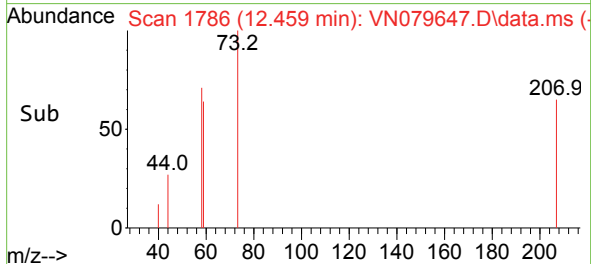
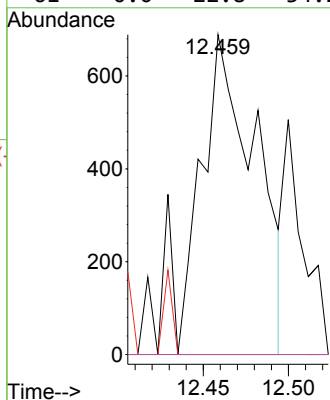


#74
N-amy1 acetate
Concen: 0.260 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Instrument :
MSVOA_N
ClientSampleId :

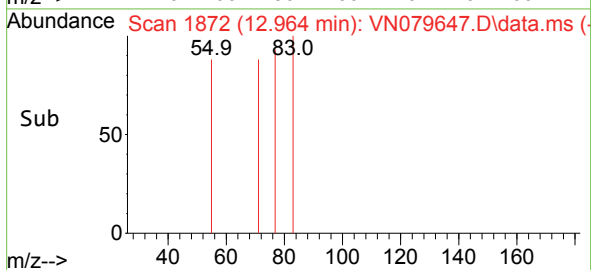
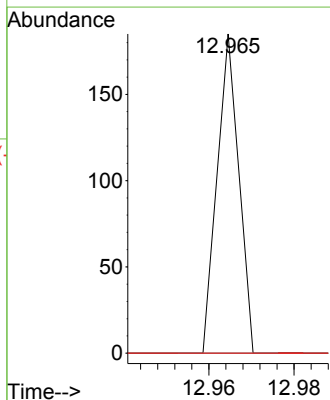
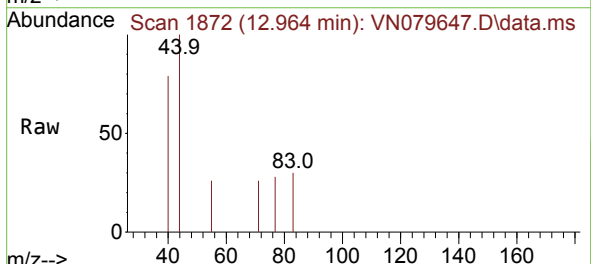


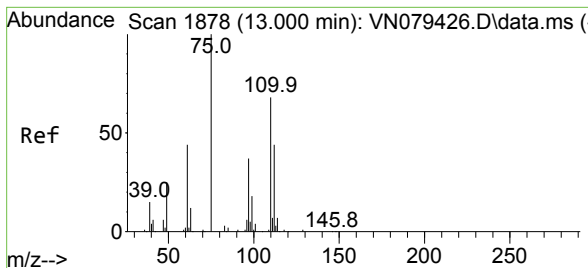
Tgt Ion:	43	Resp:	1516
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.964 min Scan# 1872
Delta R.T. 0.023 min
Lab File: VN079647.D
Acq: 23 Oct 2023 14:35

Tgt Ion:	83	Resp:	65
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	31.9	95.7#





#76

1,2,3-Trichloropropane

Concen: 25.658 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

Instrument :

MSVOA_N

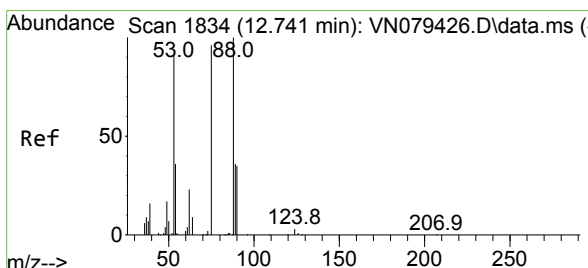
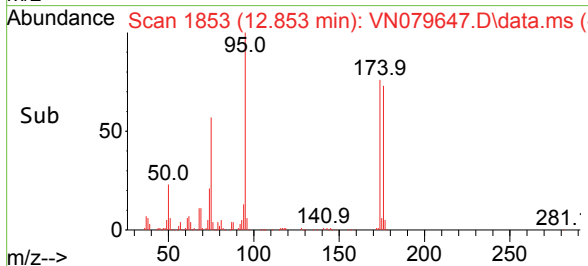
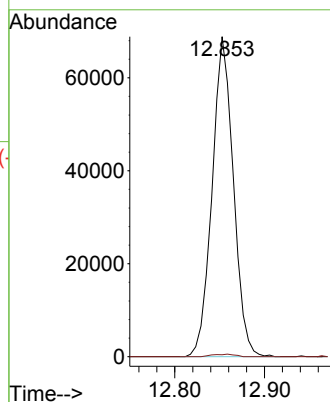
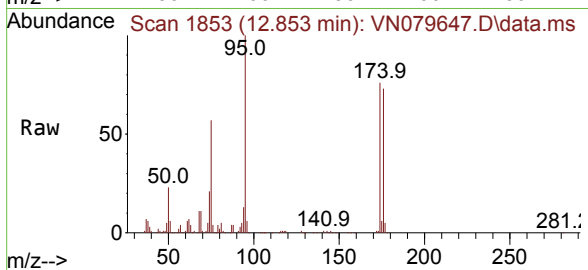
ClientSampleId :

Tgt Ion: 75 Resp: 113305

Ion Ratio Lower Upper

75 100

77 0.8 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.447 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

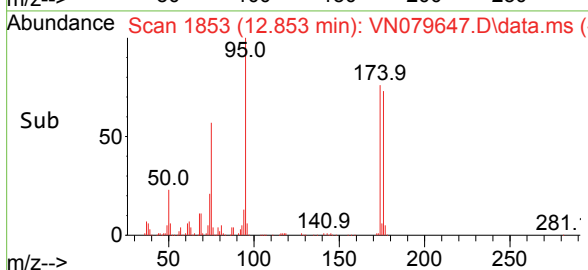
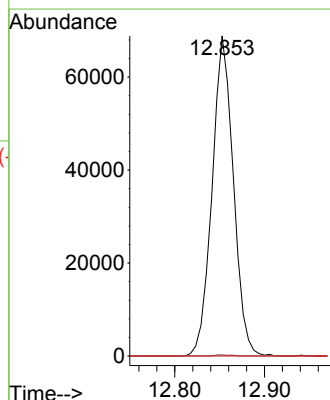
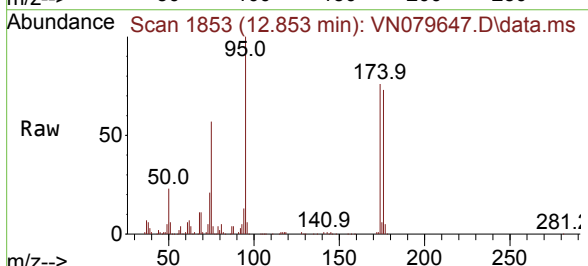
Tgt Ion: 75 Resp: 113305

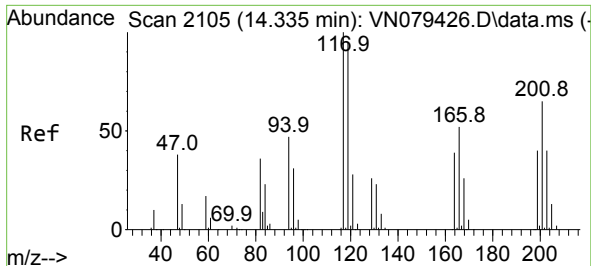
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.347 min Scan# 2107

Delta R.T. 0.012 min

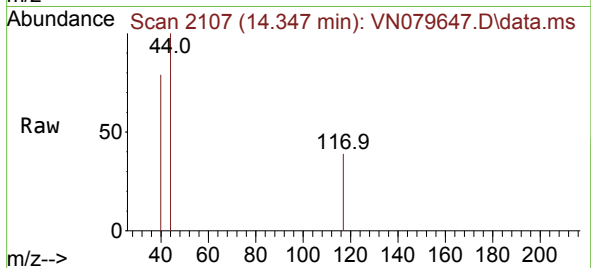
Lab File: VN079647.D

Acq: 23 Oct 2023 14:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:117 Resp: 80

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#

