

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092823\
 Data File : VN079373.D
 Acq On : 28 Sep 2023 15:30
 Operator : JC\MD
 Sample : PB155883TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 29 04:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

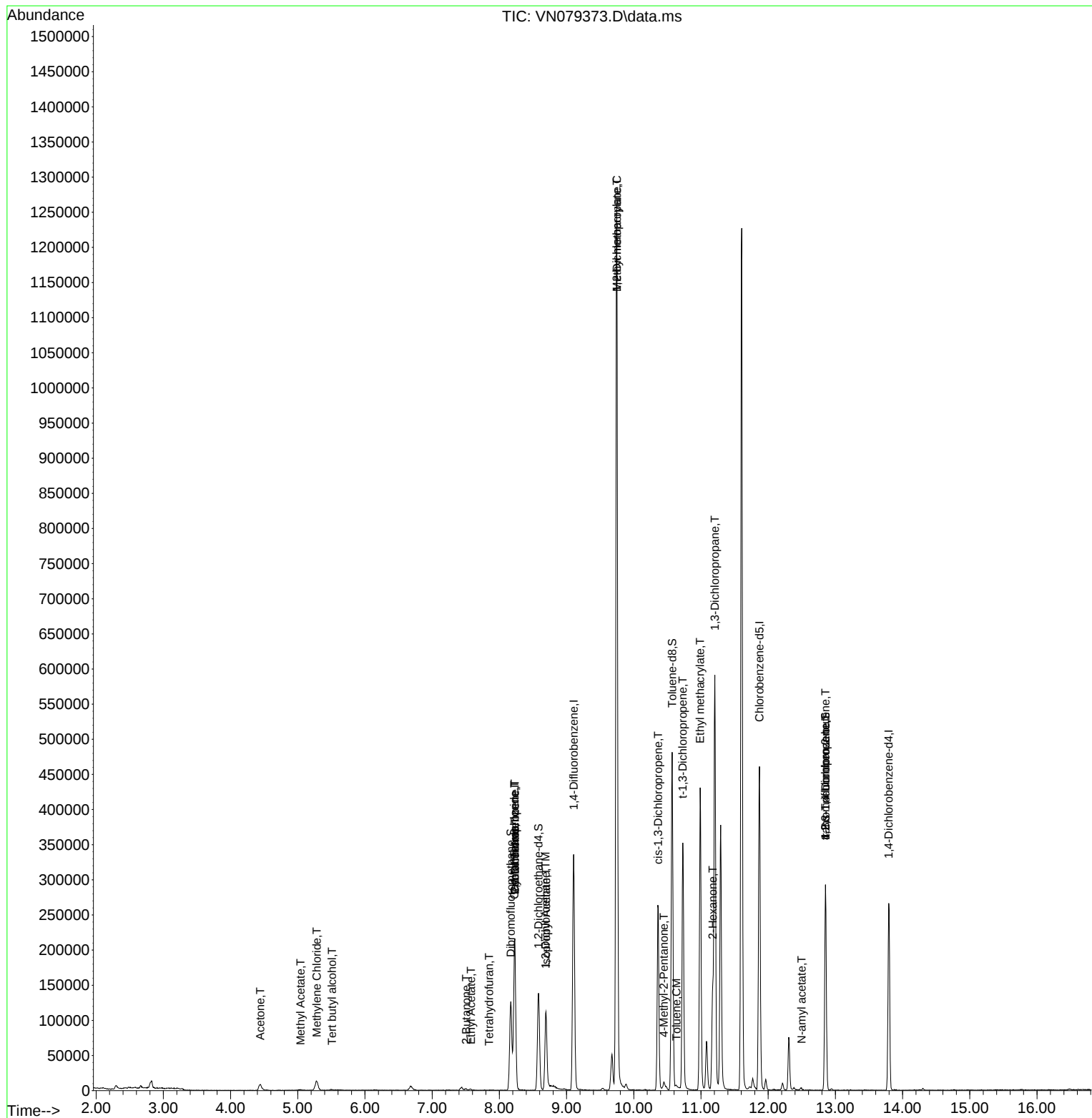
Internal Standards						
1) Pentafluorobenzene	8.230	168	149919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	263759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	113548	56.107	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.220%
35) Dibromofluoromethane	8.171	113	90999	49.251	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.500%
50) Toluene-d8	10.571	98	314215	46.315	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.620%
62) 4-Bromofluorobenzene	12.853	95	96400	44.546	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.100%
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	249	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	360	0.964	ug/l #	72
16) Acetone	4.442	43	17194	20.005	ug/l	100
18) Methyl Acetate	5.042	43	2042	0.578	ug/l #	53
20) Methylene Chloride	5.283	84	10099	4.828	ug/l #	75
25) 2-Butanone	7.506	43	4490	3.600	ug/l #	69
29) Tetrahydrofuran	7.847	42	227	0.286	ug/l #	36
31) Cyclohexane	8.230	56	4440	1.503	ug/l #	51
36) 1,1-Dichloropropene	8.230	75	13710	4.814	ug/l #	46
37) Ethyl Acetate	7.577	43	2865	1.009	ug/l #	79
38) Carbon Tetrachloride	8.224	117	16602	5.633	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	678	0.226	ug/l #	73
43) Isopropyl Acetate	8.694	43	125122	26.995	ug/l #	81
45) 1,2-Dichloropropane	9.747	63	1444	0.667	ug/l #	45
48) Methyl methacrylate	9.747	41	117784	56.734	ug/l #	29
51) 4-Methyl-2-Pentanone	10.447	43	11560	4.297	ug/l #	67
52) Toluene	10.635	92	2315	0.432	ug/l	90
53) t-1,3-Dichloropropene	10.729	75	761	0.240	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	44031	12.978	ug/l #	70
56) Ethyl methacrylate	10.988	69	2126	0.716	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5662	1.558	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.159	63	291	Below Cal	#	42
59) 2-Hexanone	11.176	43	121380	62.286	ug/l #	19
74) N-amyl acetate	12.500	43	1645	0.681	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	54171	28.725	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54171	78.972	ug/l #	15

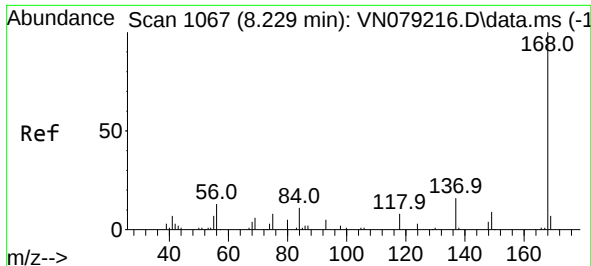
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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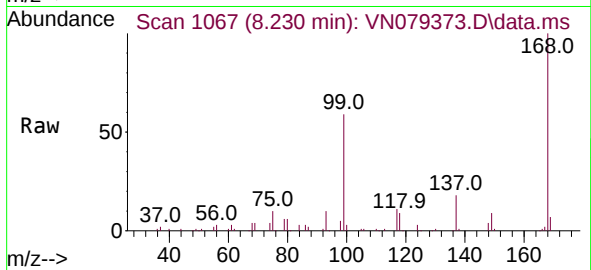
Quant Time: Sep 29 04:36:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
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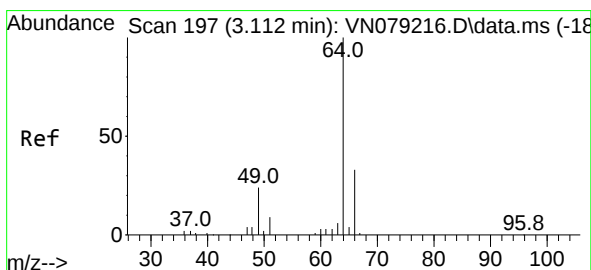
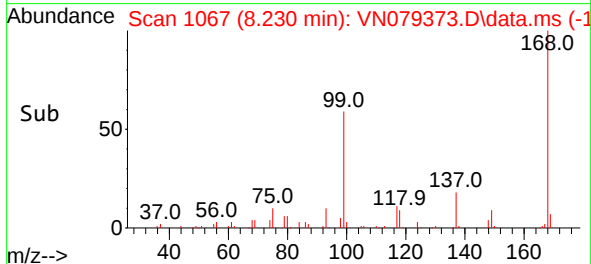
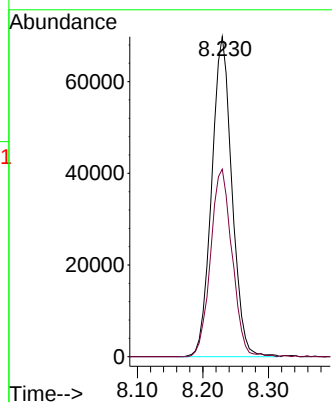


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Instrument :
MSVOA_N
ClientSampleId :

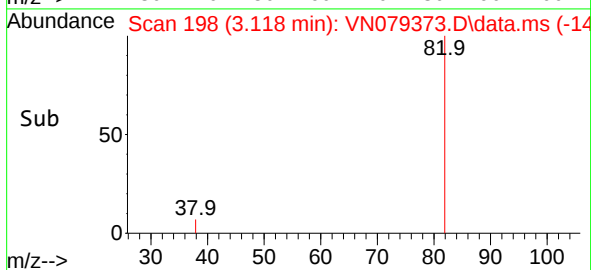
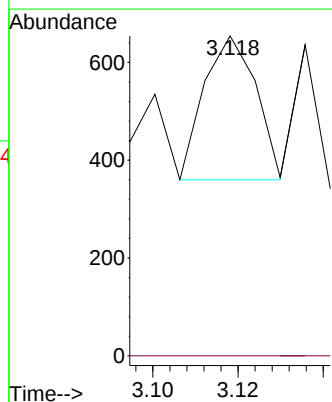
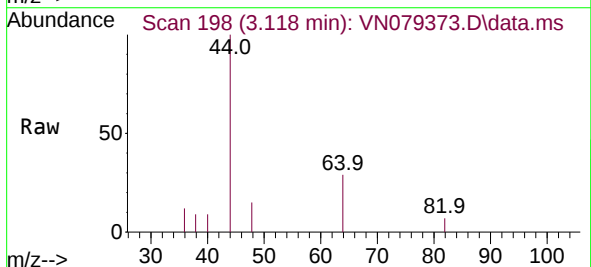


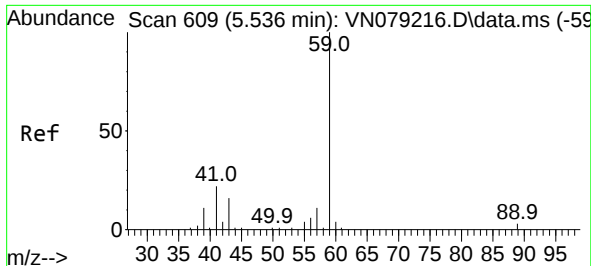
Tgt Ion:168 Resp: 149919
Ion Ratio Lower Upper
168 100
99 58.6 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

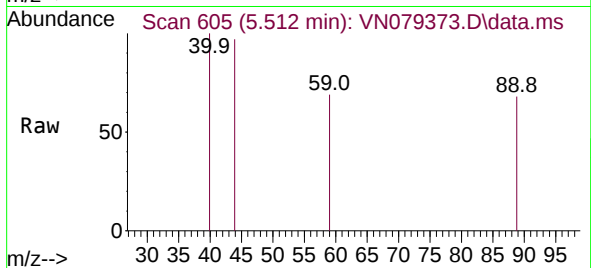
Tgt Ion: 64 Resp: 249
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



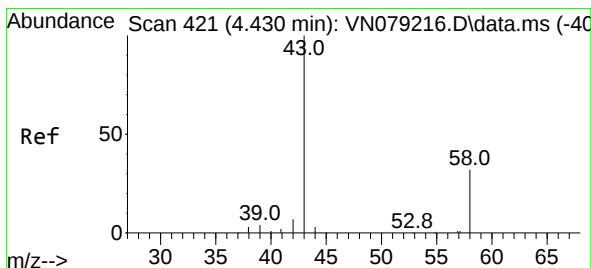
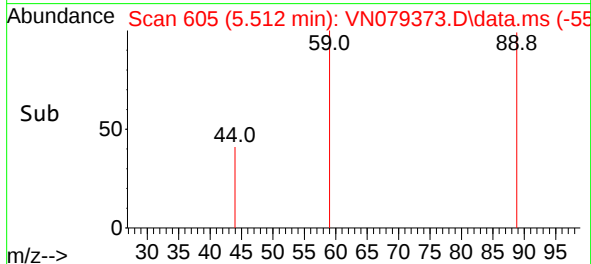
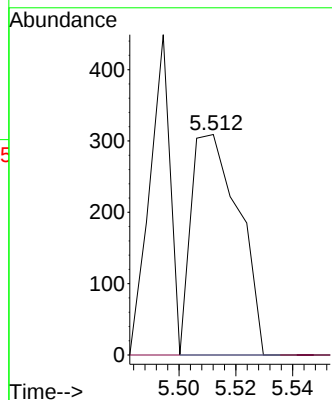


#11
Tert butyl alcohol
Concen: 0.964 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.030 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Instrument :
MSVOA_N
ClientSampleId :

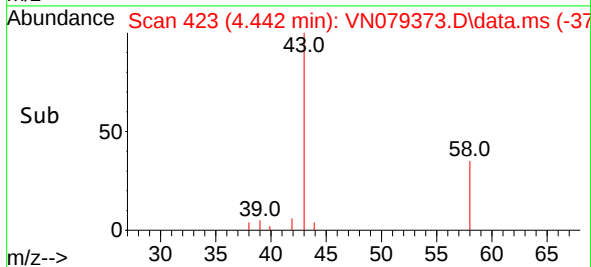
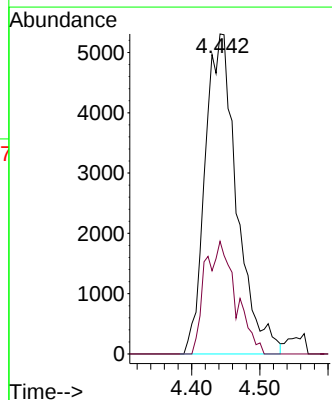
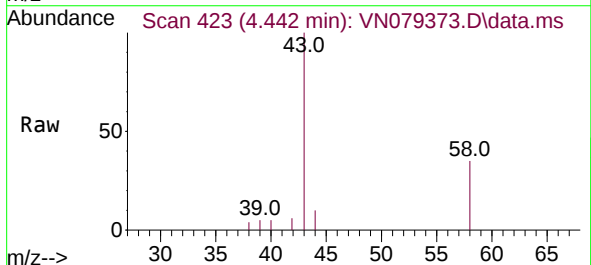


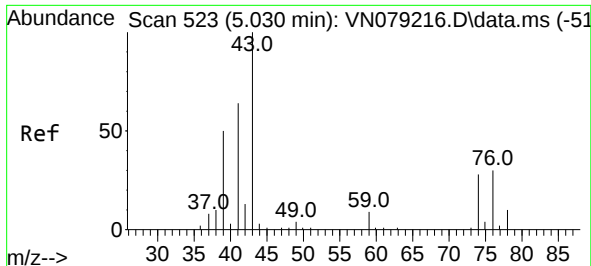
Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 20.005 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Tgt Ion: 43 Resp: 17194
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0

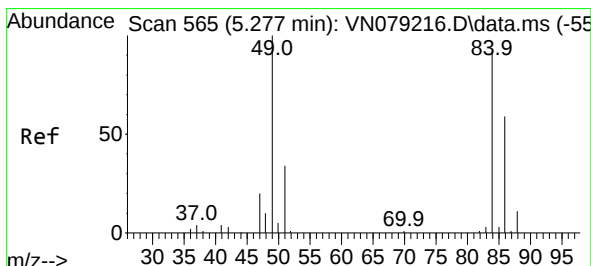
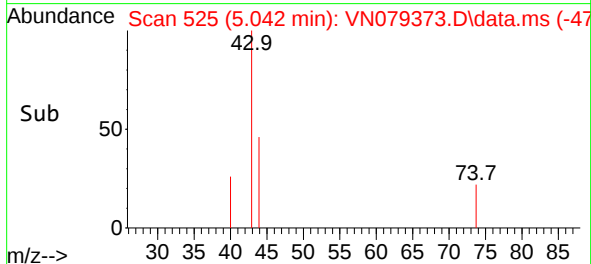
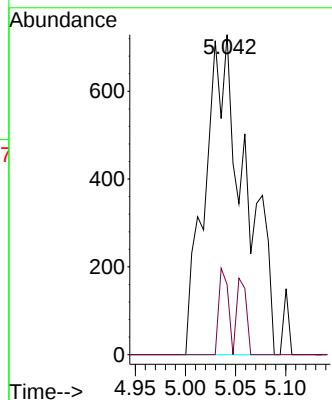
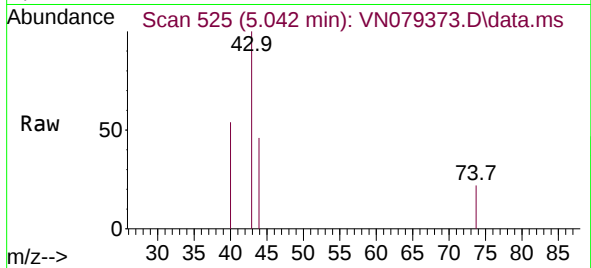




#18
Methyl Acetate
Concen: 0.578 ug/l
RT: 5.042 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

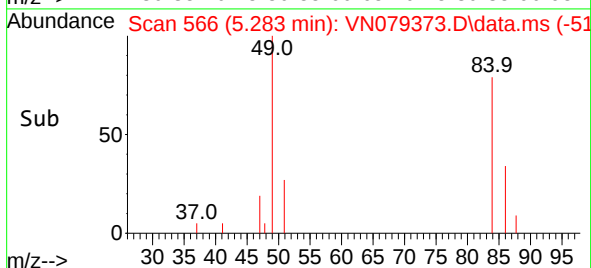
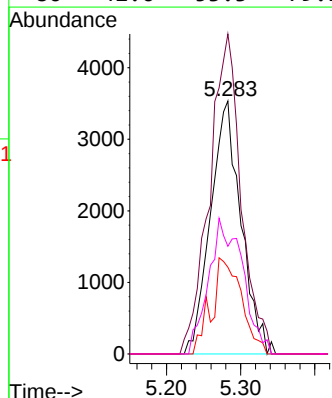
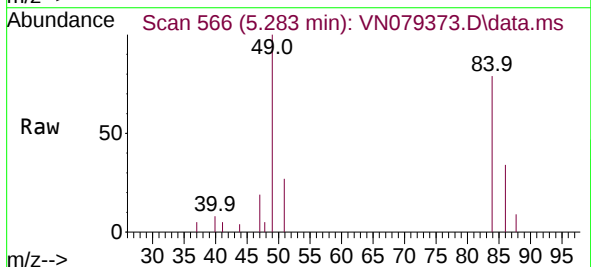
Instrument :
MSVOA_N
ClientSampleId :

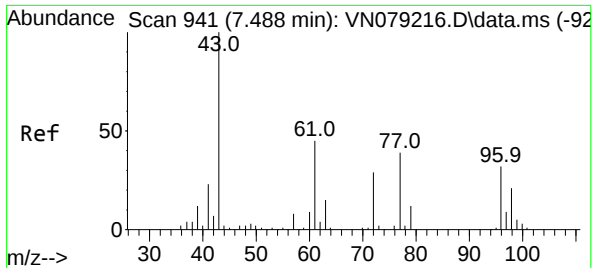
Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
74 6.2 26.2 39.4#



#20
Methylene Chloride
Concen: 4.828 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Tgt Ion: 84 Resp: 10099
Ion Ratio Lower Upper
84 100
49 126.5 79.7 119.5#
51 34.3 25.2 37.8
86 42.6 53.3 79.9#

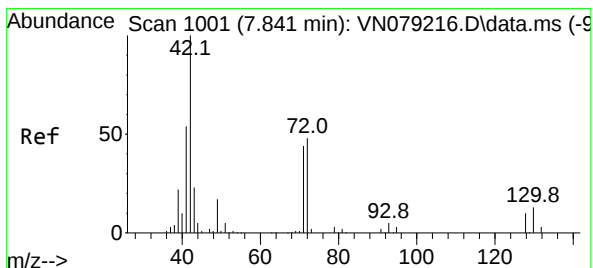
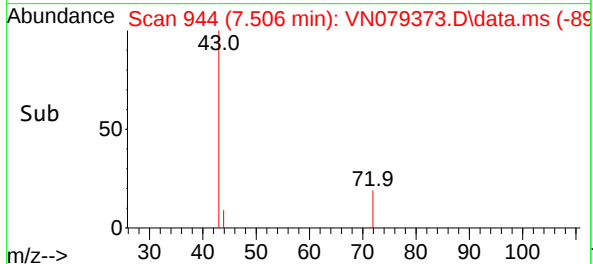
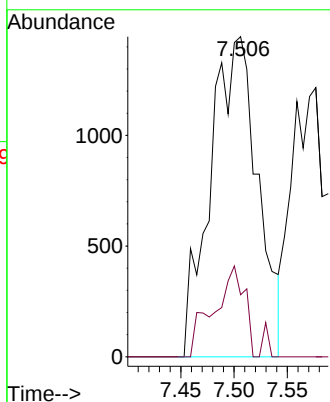
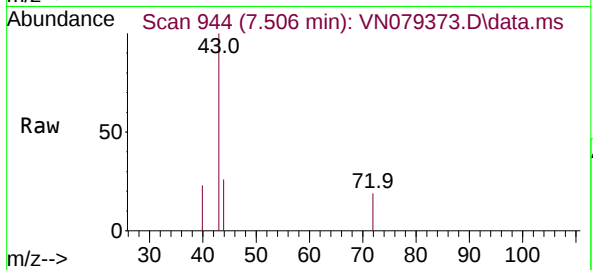




#25
2-Butanone
Concen: 3.600 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

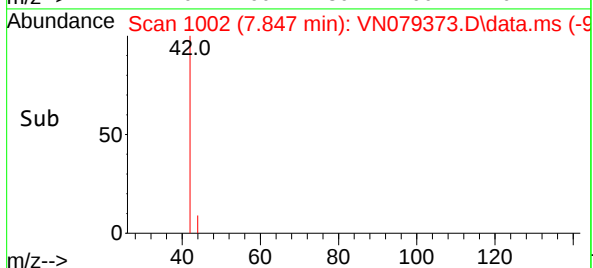
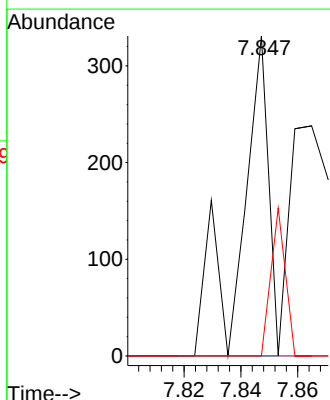
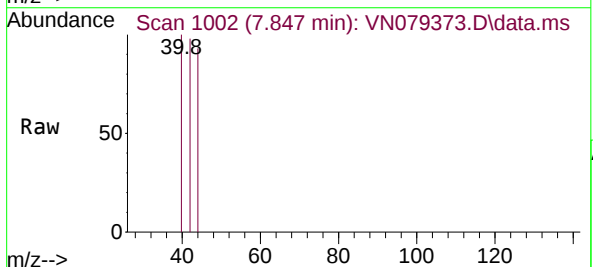
Instrument :
MSVOA_N
ClientSampleId :

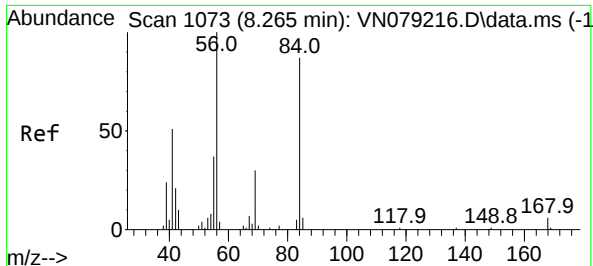
Tgt Ion: 43 Resp: 4490
Ion Ratio Lower Upper
43 100
72 19.4 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.286 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Tgt Ion: 42 Resp: 227
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 23.8 47.4 71.2#





#31

Cyclohexane

Concen: 1.503 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

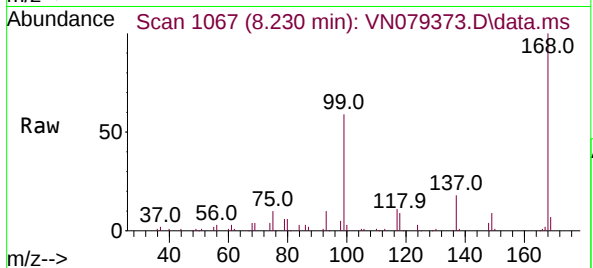
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Acq: 28 Sep 2023 15:30

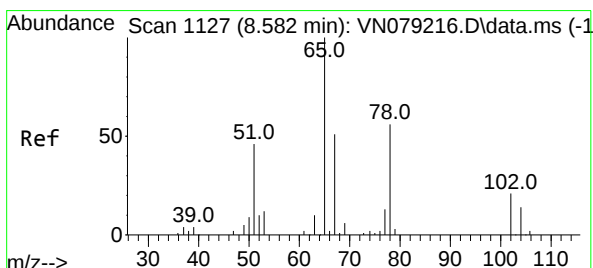
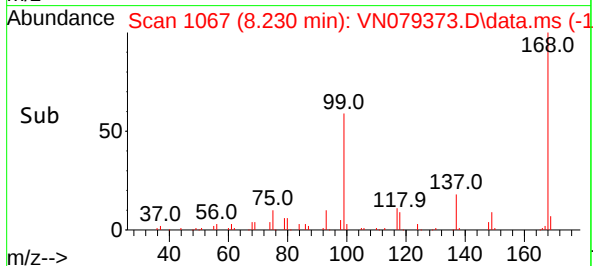
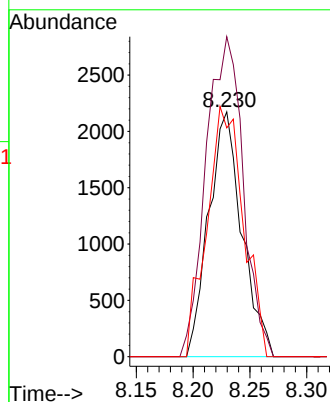
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4440
Ion Ratio	Lower Upper
56	100
69	130.7 26.8 40.2#
84	93.5 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 56.107 ug/l

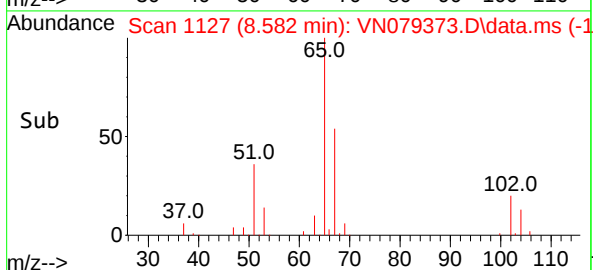
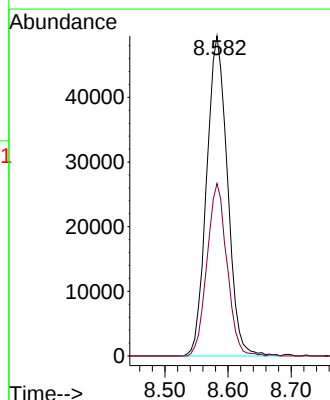
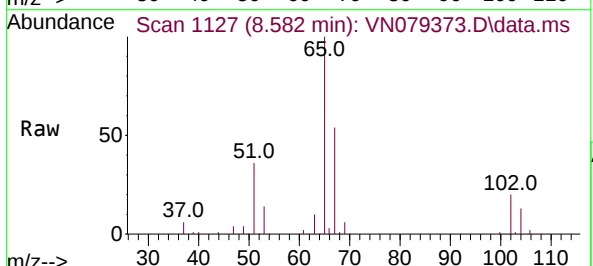
RT: 8.582 min Scan# 1127

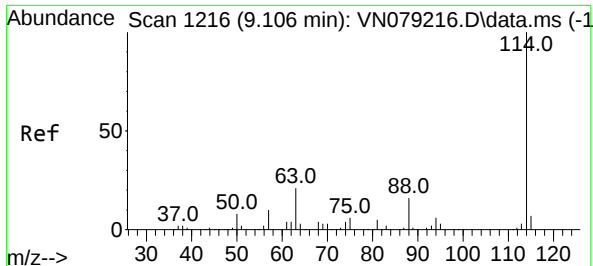
Delta R.T. -0.001 min

Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

Tgt Ion: 65	Resp: 113548
Ion Ratio	Lower Upper
65	100
67	51.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

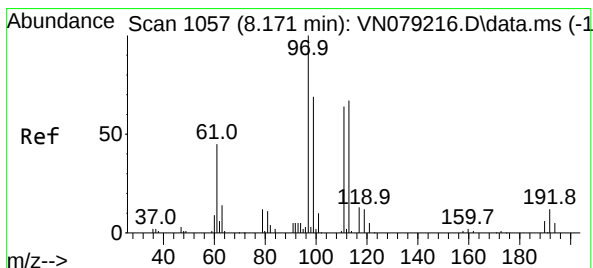
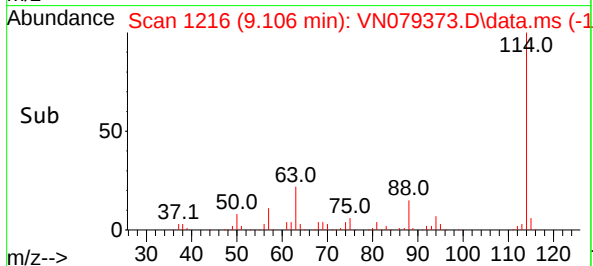
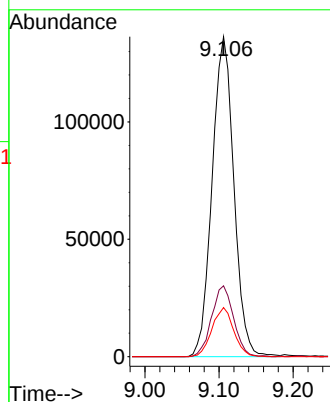
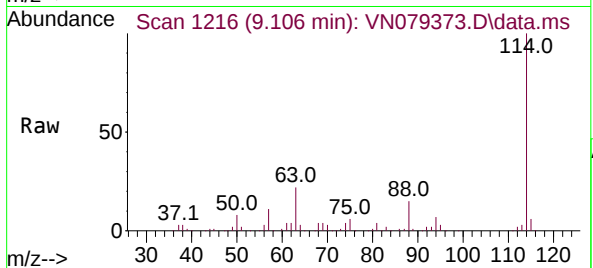
Tgt Ion:114 Resp: 277767

Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.251 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

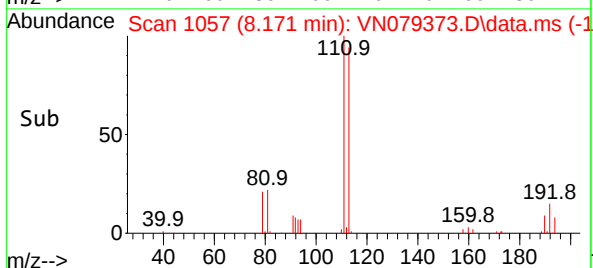
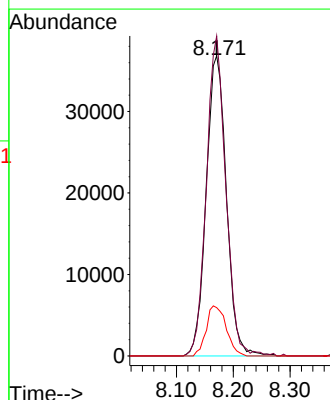
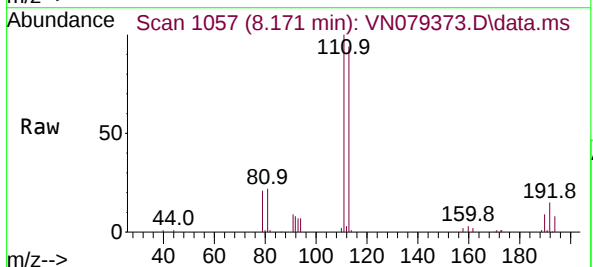
Tgt Ion:113 Resp: 90999

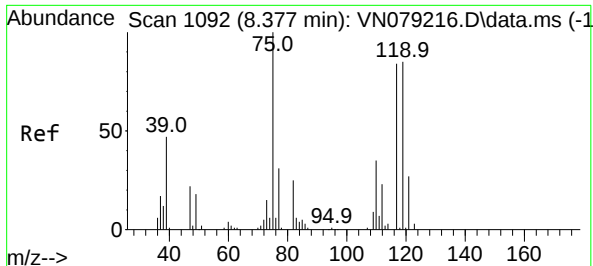
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

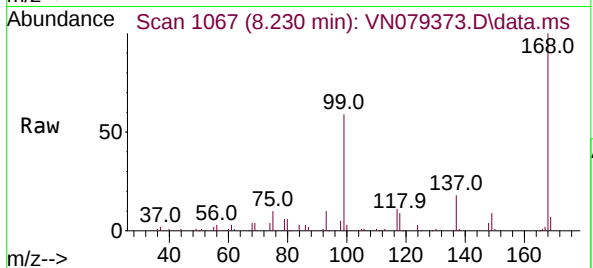
Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

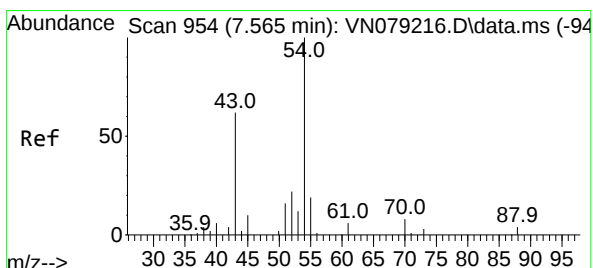
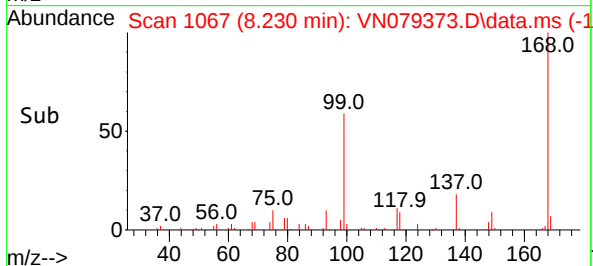
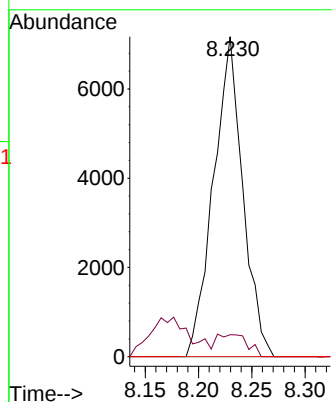
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 13710
Ion Ratio	Lower Upper
75	100
110	7.3 19.1 57.3#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.009 ug/l

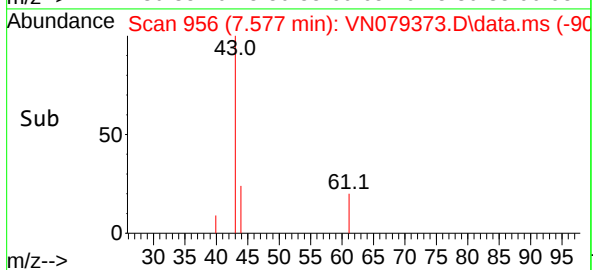
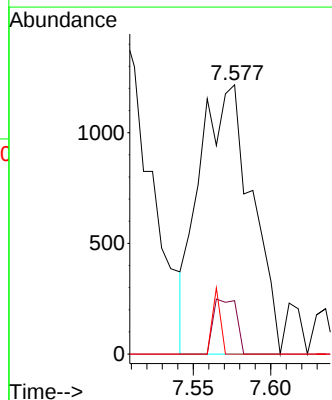
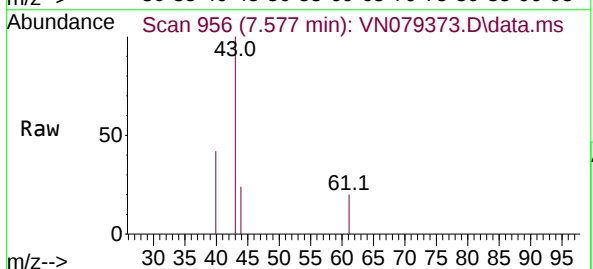
RT: 7.577 min Scan# 956

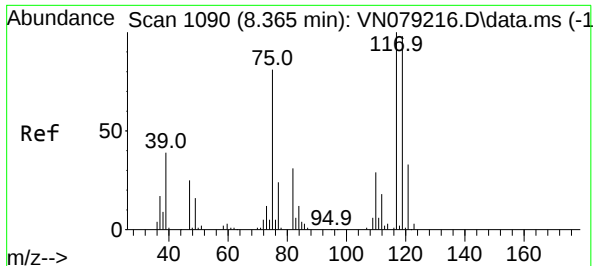
Delta R.T. 0.006 min

Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

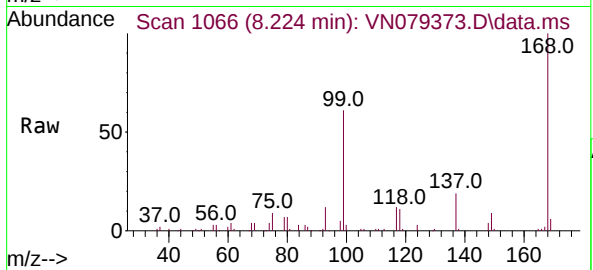
Tgt Ion: 43	Resp: 2865
Ion Ratio	Lower Upper
43	100
61	8.9 13.2 19.8#
70	3.7 11.3 16.9#



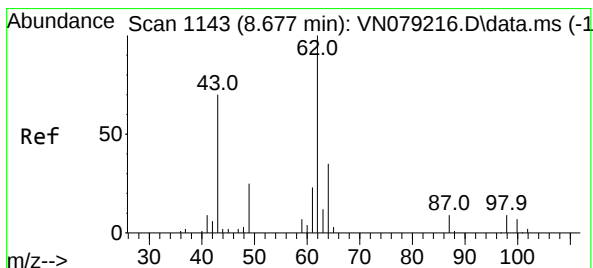
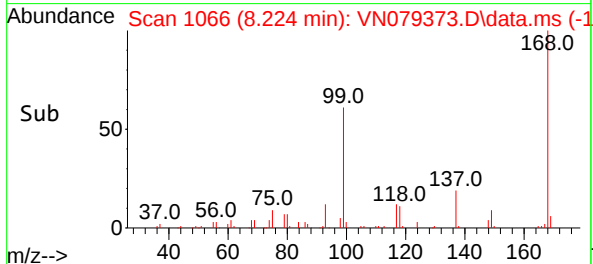
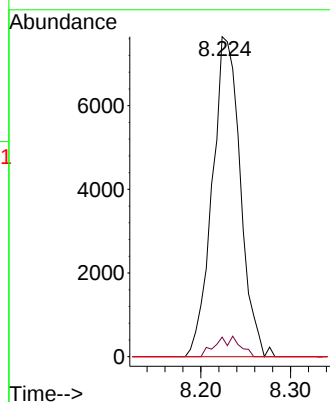


#38
Carbon Tetrachloride
Concen: 5.633 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Instrument :
MSVOA_N
ClientSampleId :

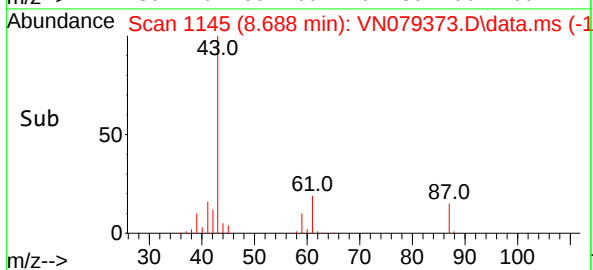
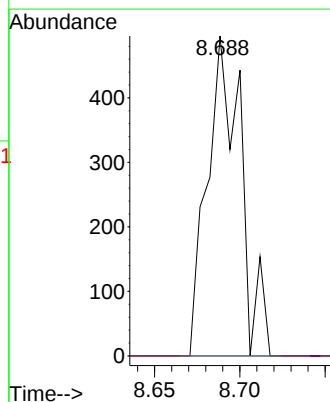
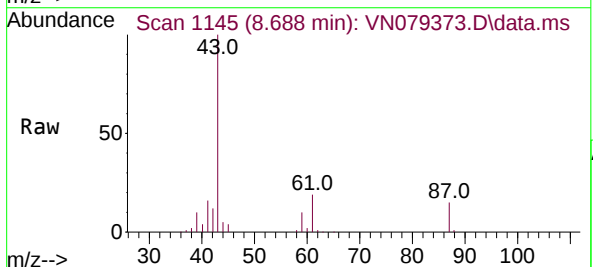


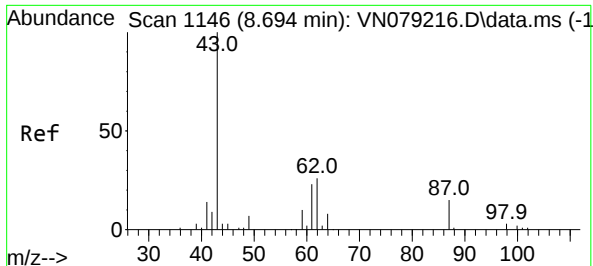
Tgt Ion:117 Resp: 16602
Ion Ratio Lower Upper
117 100
119 6.1 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.226 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.011 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Tgt Ion: 62 Resp: 678
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 26.995 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

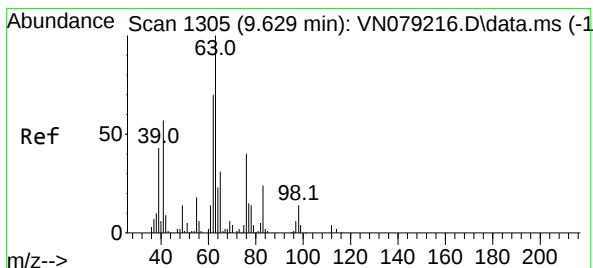
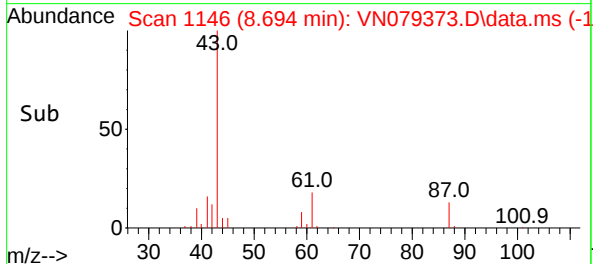
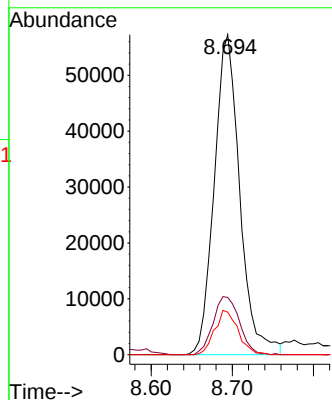
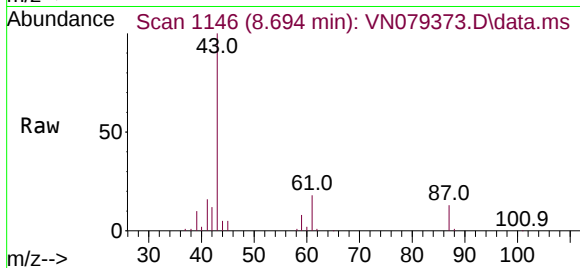
Tgt Ion: 43 Resp: 125122

Ion Ratio Lower Upper

43 100

61 18.7 24.7 37.1#

87 12.7 14.6 21.8#



#45

1,2-Dichloropropane

Concen: 0.667 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN079373.D

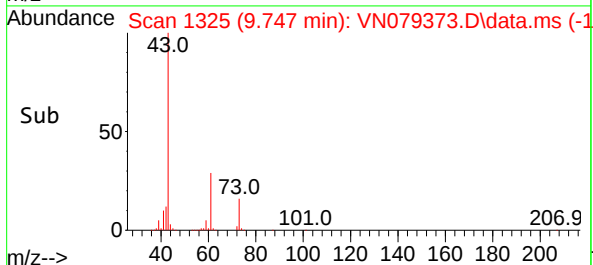
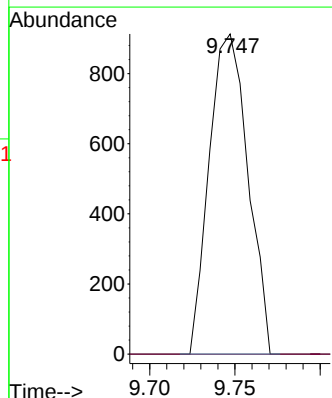
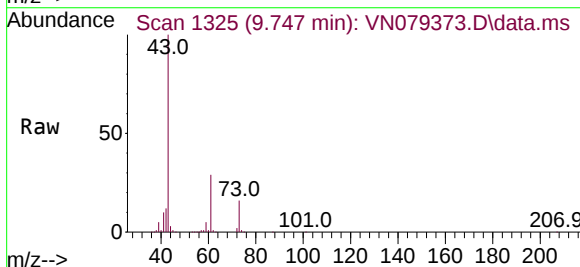
Acq: 28 Sep 2023 15:30

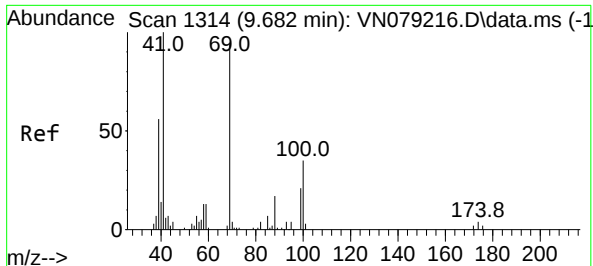
Tgt Ion: 63 Resp: 1444

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 56.734 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

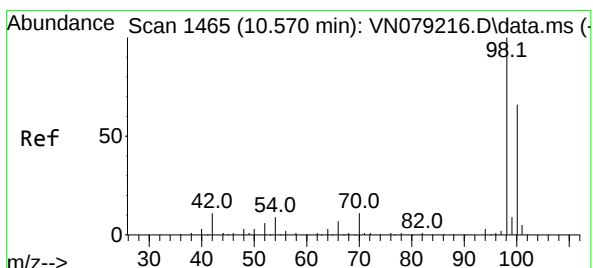
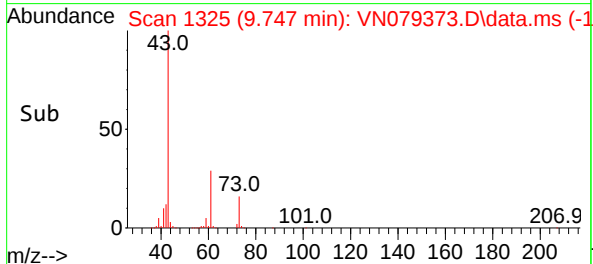
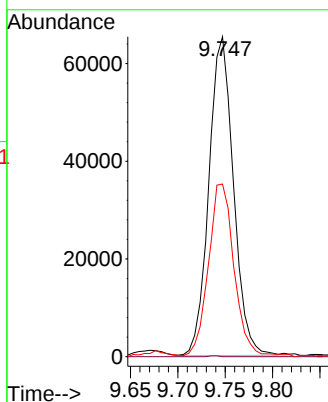
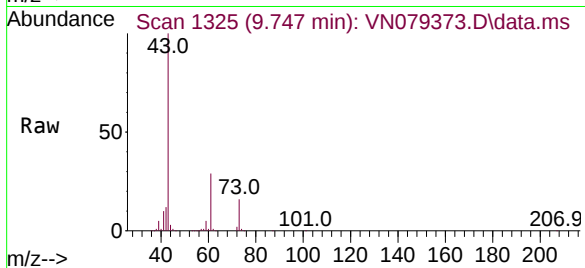
Tgt Ion: 41 Resp: 117784

Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 56.7 54.6 81.8



#50

Toluene-d8

Concen: 46.315 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079373.D

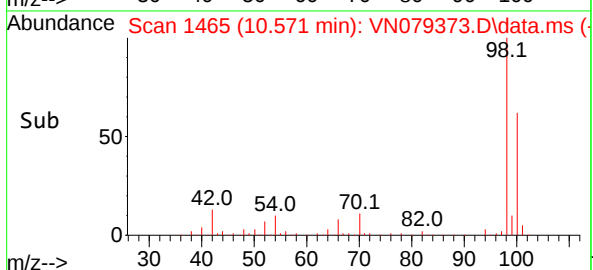
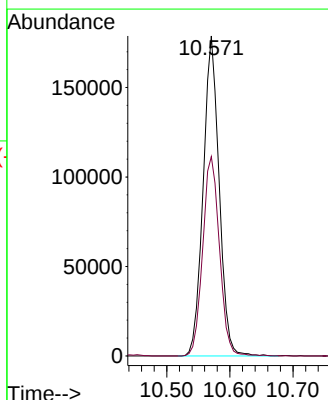
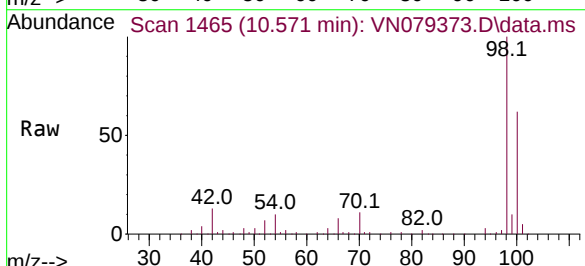
Acq: 28 Sep 2023 15:30

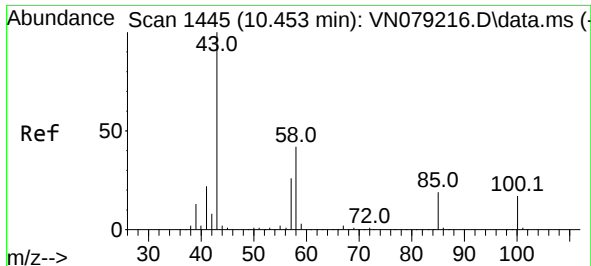
Tgt Ion: 98 Resp: 314215

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.297 ug/l

RT: 10.447 min Scan# 1445

Delta R.T. -0.006 min

Lab File: VN079373.D

Acq: 28 Sep 2023 15:30

Instrument :

MSVOA_N

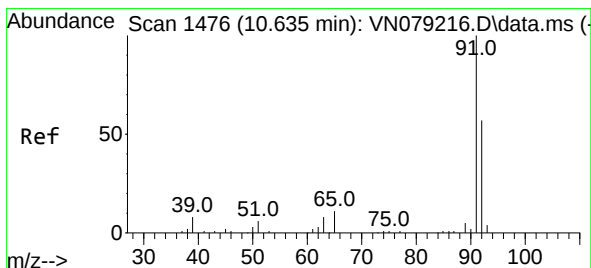
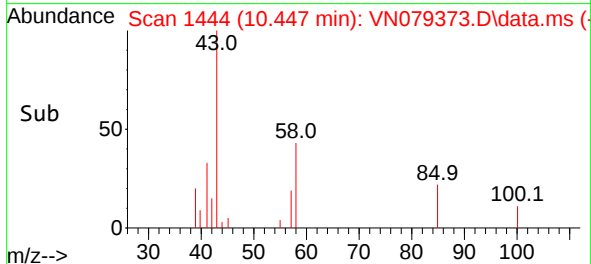
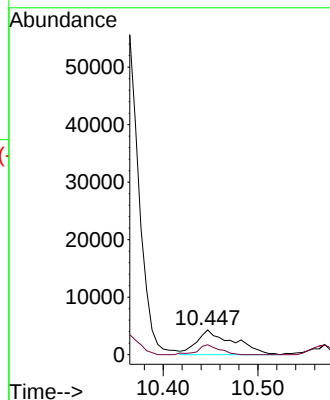
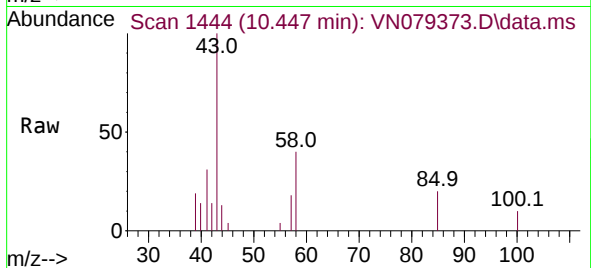
ClientSampleId :

Tgt Ion: 43 Resp: 11560

Ion Ratio Lower Upper

43 100

58 23.7 36.6 54.8#



#52

Toluene

Concen: 0.432 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079373.D

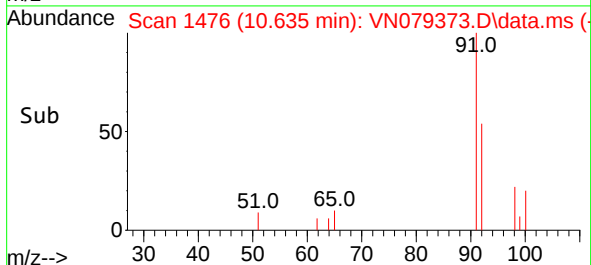
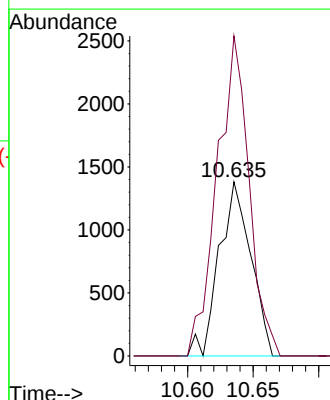
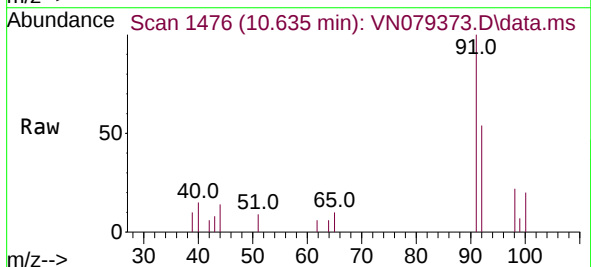
Acq: 28 Sep 2023 15:30

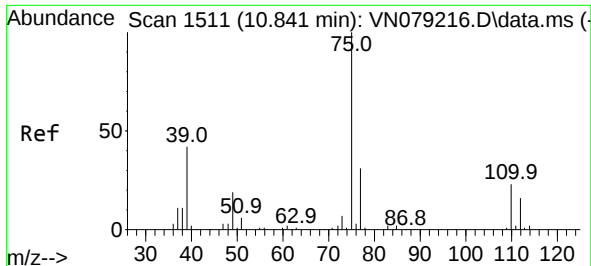
Tgt Ion: 92 Resp: 2315

Ion Ratio Lower Upper

92 100

91 185.7 137.4 206.0

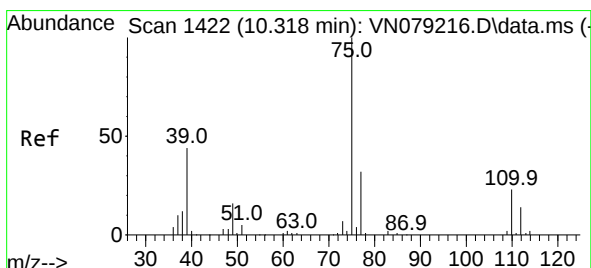
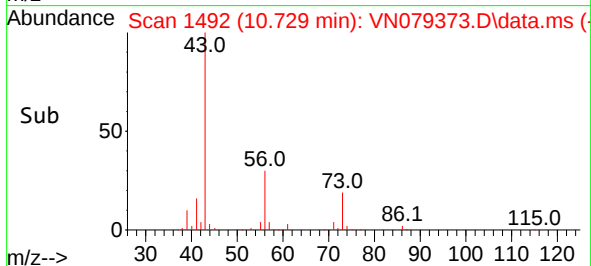
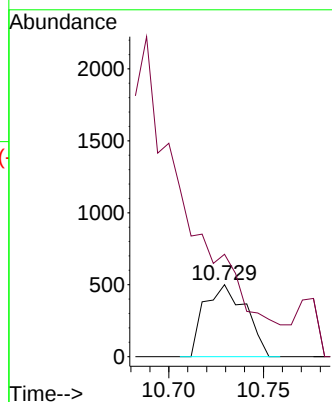
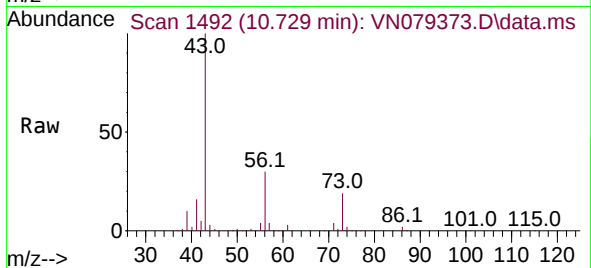




#53
 t-1,3-Dichloropropene
 Concen: 0.240 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN079373.D
 Acq: 28 Sep 2023 15:30

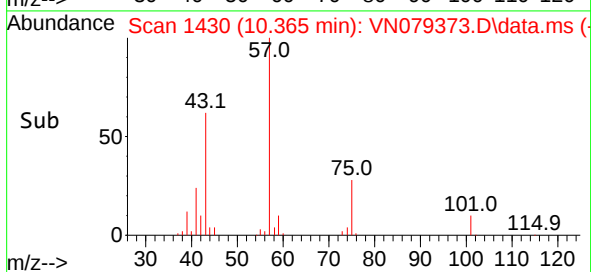
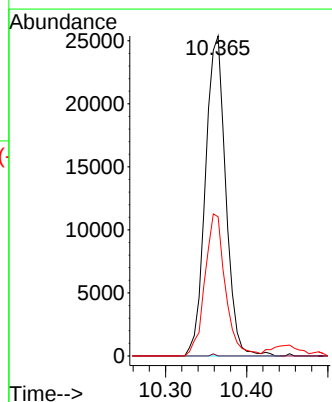
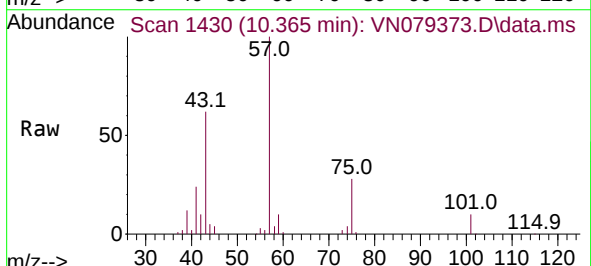
Instrument :
 MSVOA_N
 ClientSampleId :

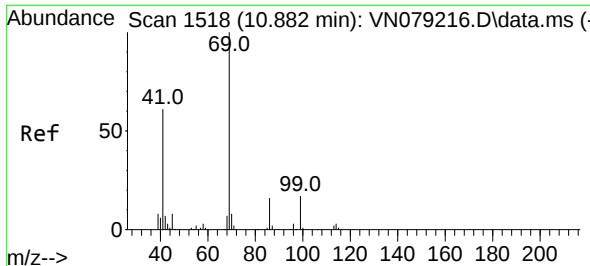
Tgt Ion: 75 Resp: 761
 Ion Ratio Lower Upper
 75 100
 77 98.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.978 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079373.D
 Acq: 28 Sep 2023 15:30

Tgt Ion: 75 Resp: 44031
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 43.5 31.6 47.4

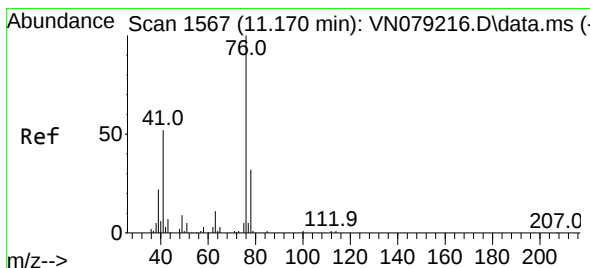
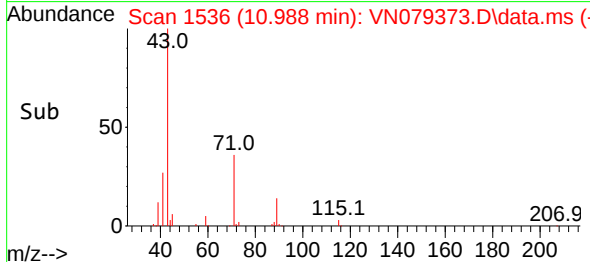
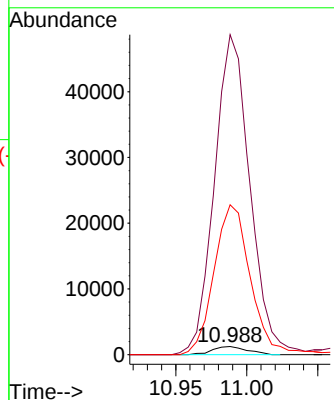
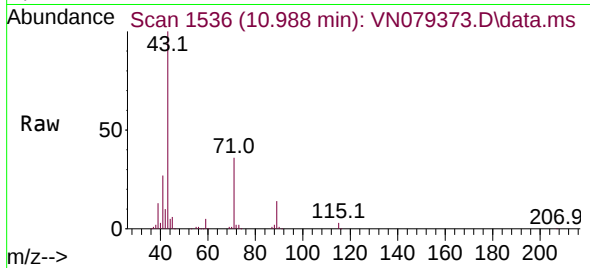




#56
Ethyl methacrylate
Concen: 0.716 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

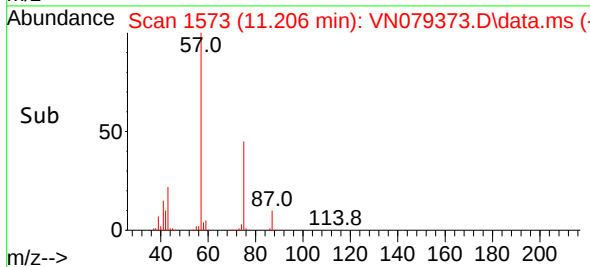
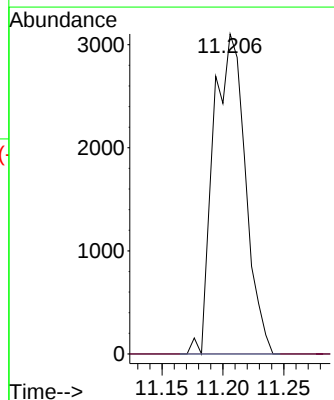
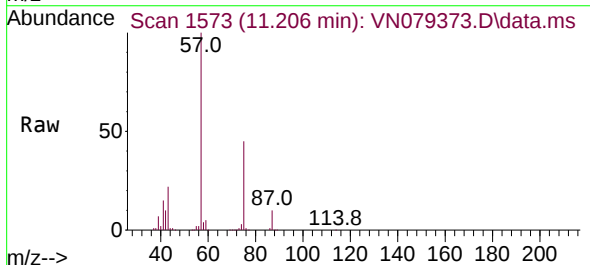
Instrument :
MSVOA_N
ClientSampleId :

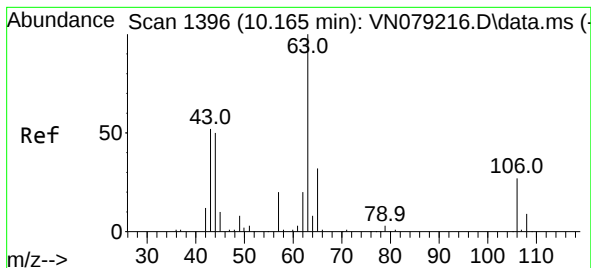
Tgt Ion: 69 Resp: 2126
Ion Ratio Lower Upper
69 100
41 3985.8 39.6 59.4#
39 1917.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.558 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Tgt Ion: 76 Resp: 5662
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

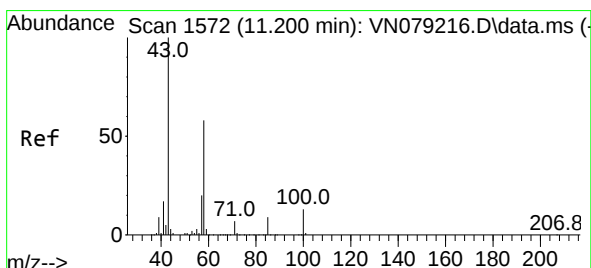
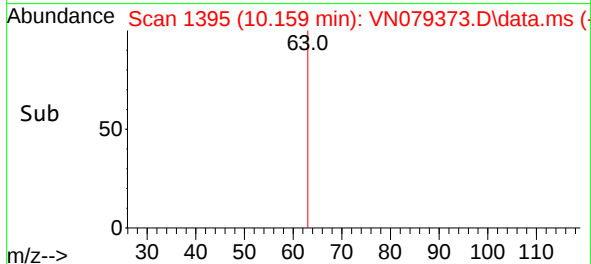
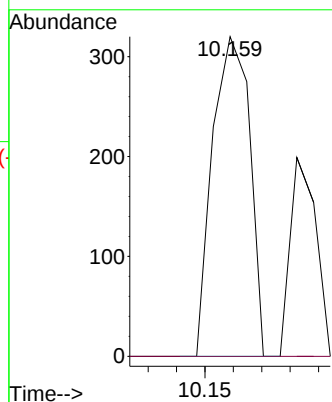
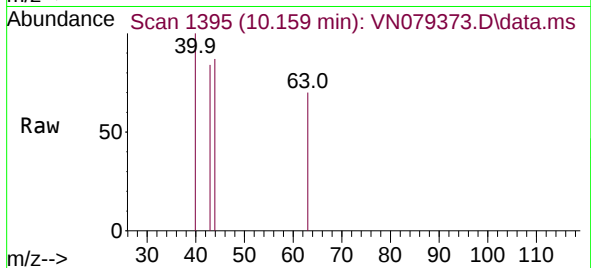




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.159 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

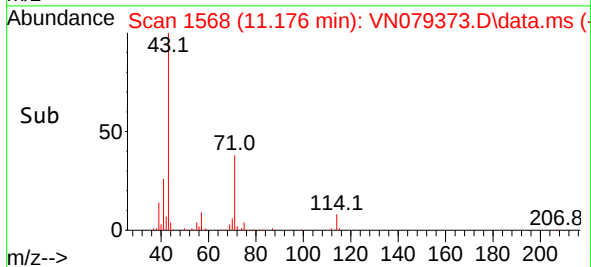
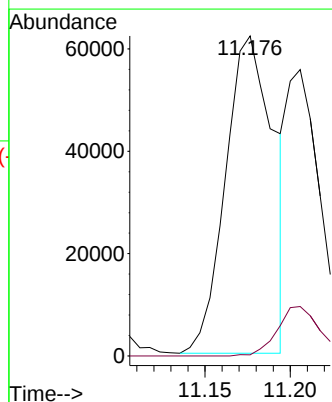
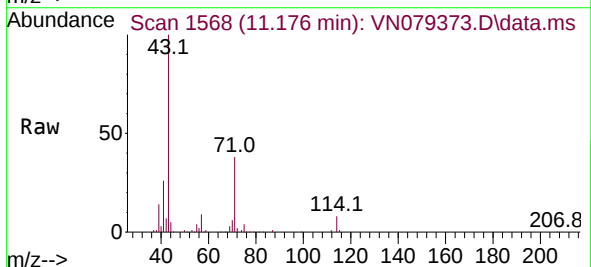
Instrument :
MSVOA_N
ClientSampleId :

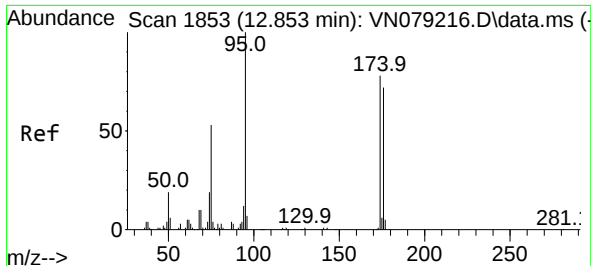
Tgt Ion: 63 Resp: 291
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 62.286 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Tgt Ion: 43 Resp: 121380
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

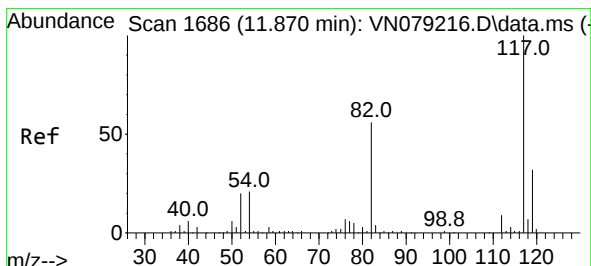
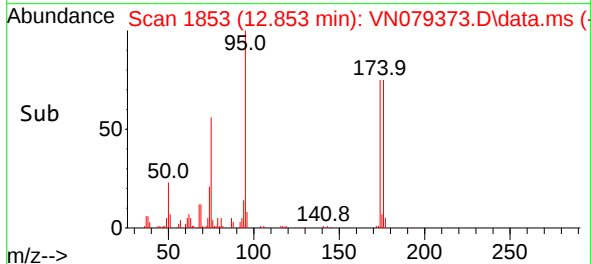
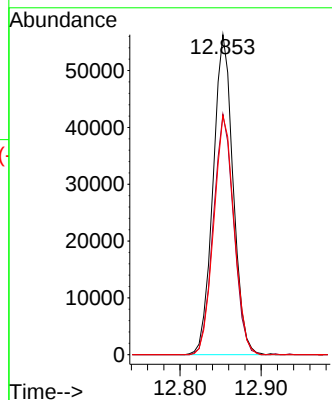
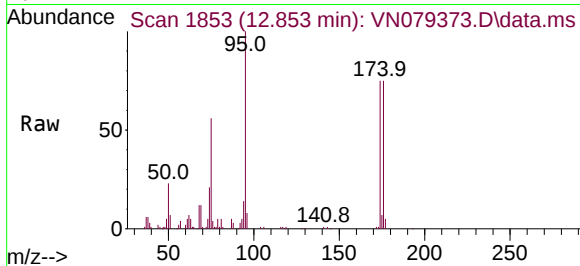




#62
4-Bromofluorobenzene
Concen: 44.546 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

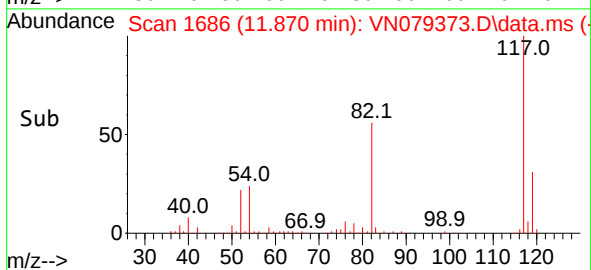
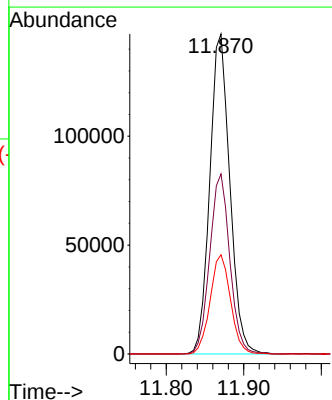
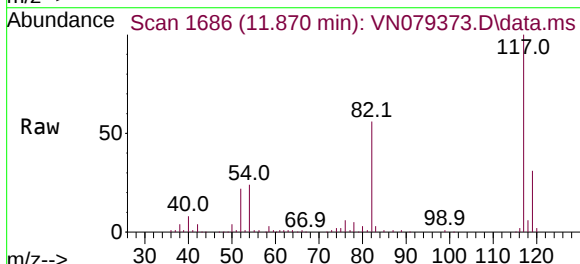
Instrument :
MSVOA_N
ClientSampleId :

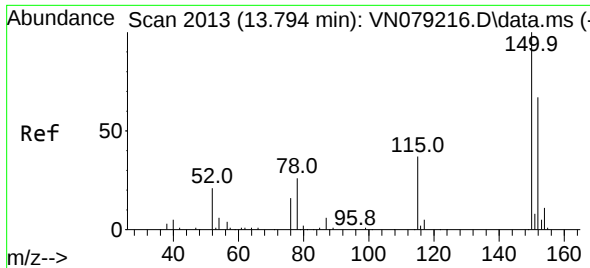
Tgt Ion: 95 Resp: 96400
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 76.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

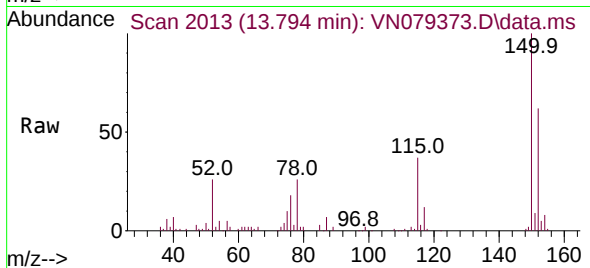
Tgt Ion: 117 Resp: 263759
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.0 25.6 38.4



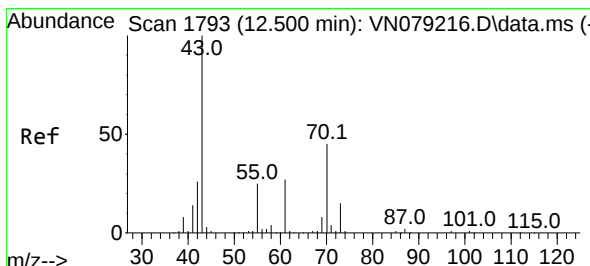
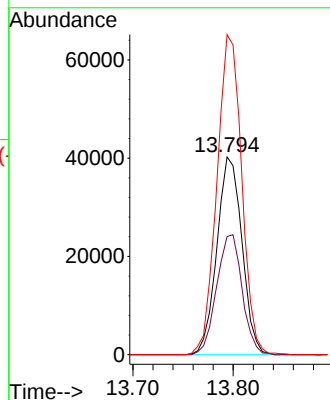
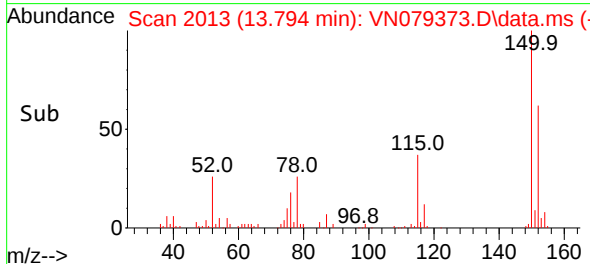


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079373.D
 Acq: 28 Sep 2023 15:30

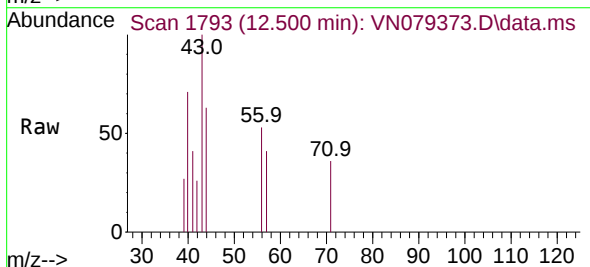
Instrument :
 MSVOA_N
 ClientSampleId :



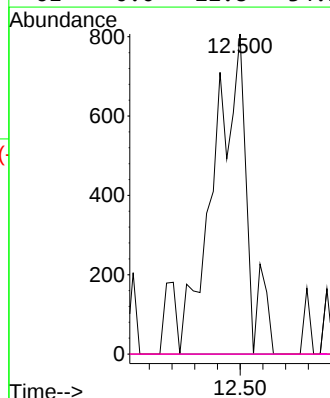
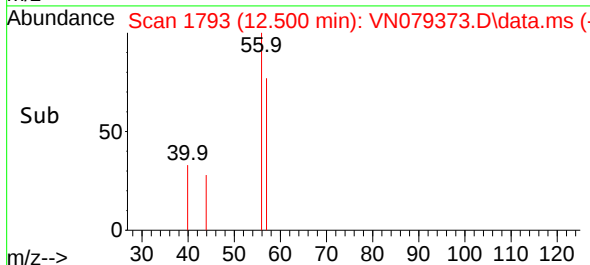
Tgt Ion:152 Resp: 69972
 Ion Ratio Lower Upper
 152 100
 115 61.5 32.3 96.8
 150 159.9 0.0 355.8

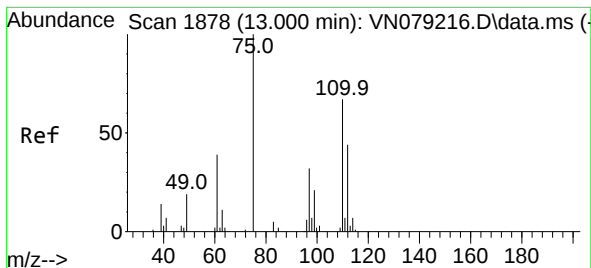


#74
 N-ethyl acetate
 Concen: 0.681 ug/l
 RT: 12.500 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: VN079373.D
 Acq: 28 Sep 2023 15:30



Tgt Ion: 43 Resp: 1645
 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#

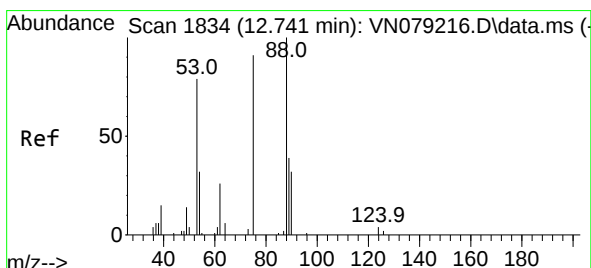
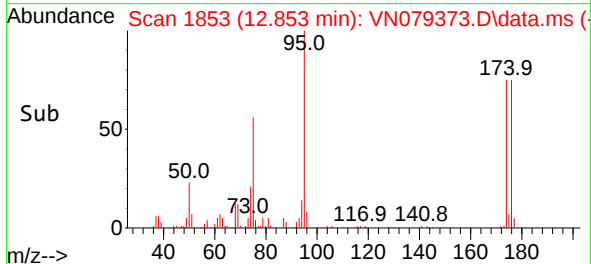
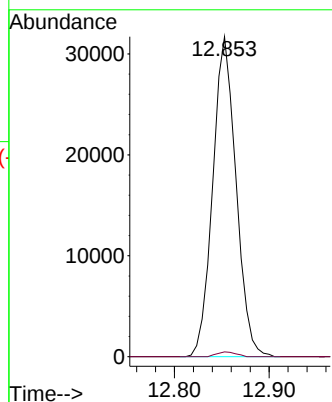
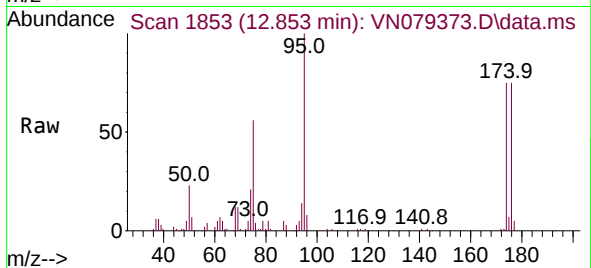




#76
1,2,3-Trichloropropane
Concen: 28.725 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 54171
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.972 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079373.D
Acq: 28 Sep 2023 15:30

Tgt Ion: 75 Resp: 54171
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

