

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079927.D
 Acq On : 06 Nov 2023 16:57
 Operator : JC\MD
 Sample : PB156885ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:50:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

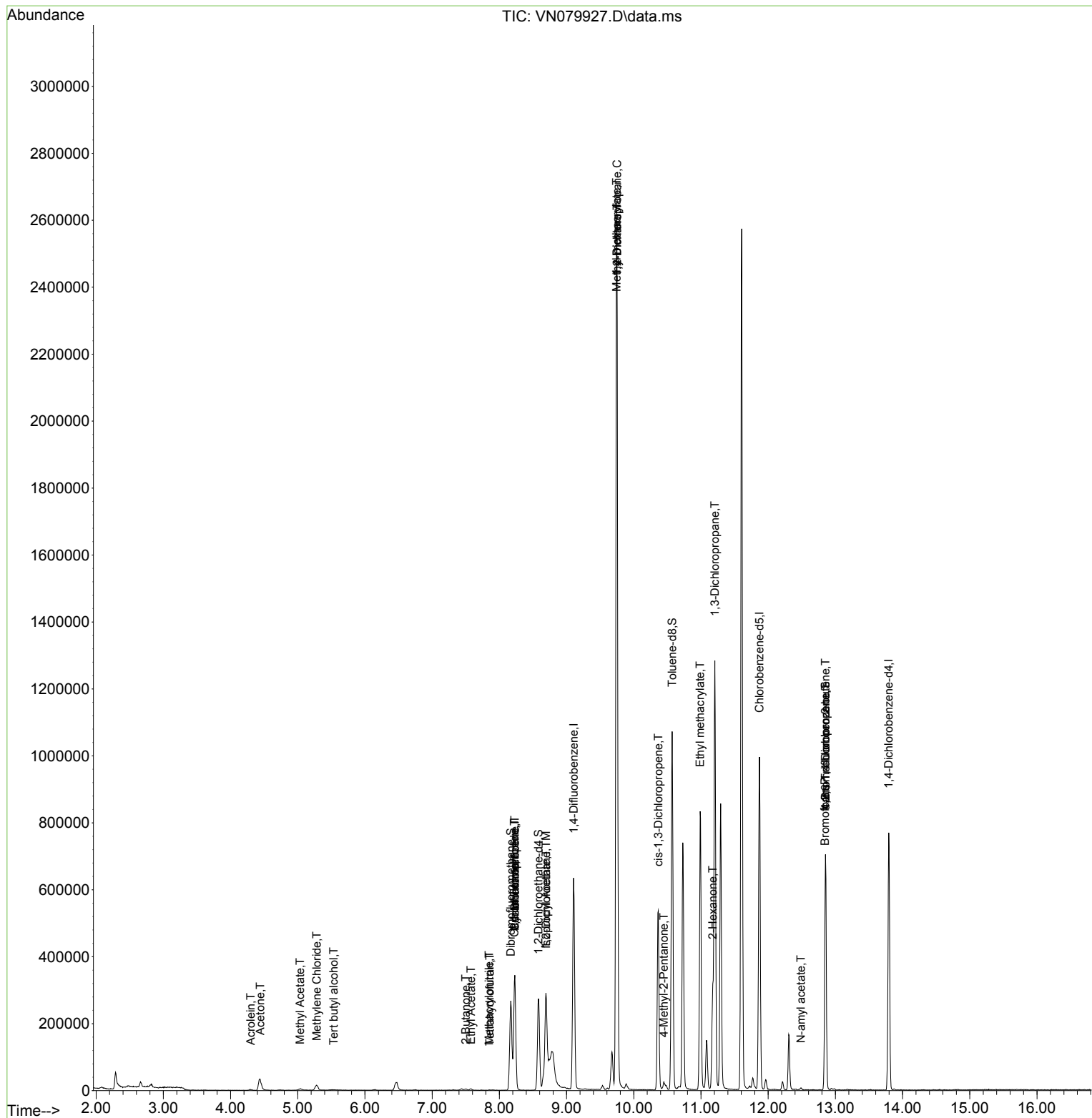
Internal Standards						
1) Pentafluorobenzene	8.230	168	236767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	519224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	552653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	226272	62.727	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.460%#	
35) Dibromofluoromethane	8.171	113	185242	50.408	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.820%	
50) Toluene-d8	10.571	98	709063	52.413	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.820%	
62) 4-Bromofluorobenzene	12.853	95	238542	53.166	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1108	Below Cal	#	85
11) Tert butyl alcohol	5.536	59	1089	2.365	ug/l #	72
13) Acrolein	4.300	56	202	3.038	ug/l #	48
16) Acetone	4.442	43	66187	52.236	ug/l	95
18) Methyl Acetate	5.036	43	10119	1.669	ug/l #	65
20) Methylene Chloride	5.283	84	10544	3.298	ug/l #	76
25) 2-Butanone	7.500	43	7313	3.941	ug/l #	72
29) Tetrahydrofuran	7.859	42	1013	0.839	ug/l #	34
31) Cyclohexane	8.230	56	6745	1.415	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	22869	4.358	ug/l #	47
37) Ethyl Acetate	7.577	43	6062	1.260	ug/l #	91
38) Carbon Tetrachloride	8.224	117	25795	4.878	ug/l #	17
41) Methacrylonitrile	7.847	41	545	0.213	ug/l #	20
42) 1,2-Dichloroethane	8.694	62	2061	0.375	ug/l #	73
43) Isopropyl Acetate	8.694	43	380280	45.061	ug/l #	72
45) 1,2-Dichloropropane	9.753	63	3279	0.816	ug/l #	45
48) Methyl methacrylate	9.747	41	246570	66.705	ug/l #	28
49) 1,4-Dioxane	9.753	88	68	1.041	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	24619	5.182	ug/l #	67
54) cis-1,3-Dichloropropene	10.365	75	93065	14.892	ug/l #	73
56) Ethyl methacrylate	10.988	69	4089	0.765	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12046	1.824	ug/l #	42
59) 2-Hexanone	11.176	43	218757	60.187	ug/l #	19
71) Bromoform	12.847	173	1223	0.399	ug/l #	1
74) N-amyl acetate	12.488	43	2895	0.435	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	127564	27.058	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	127564	73.618	ug/l #	15

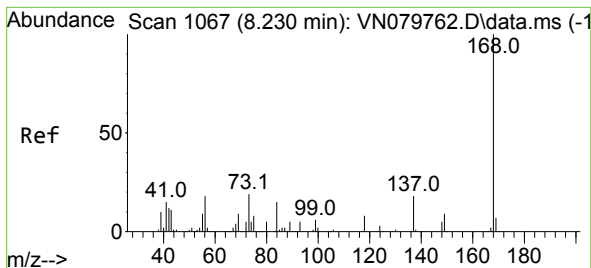
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB156885ZHE#10
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079927.D

Acq: 06 Nov 2023 16:57

Instrument :

MSVOA_N

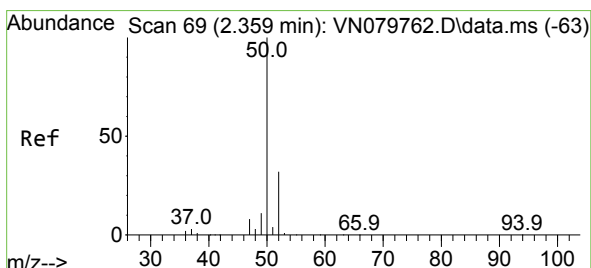
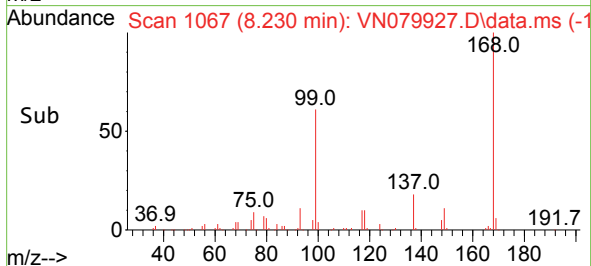
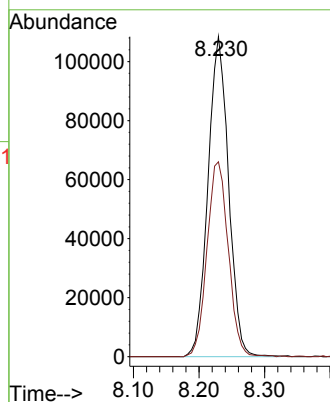
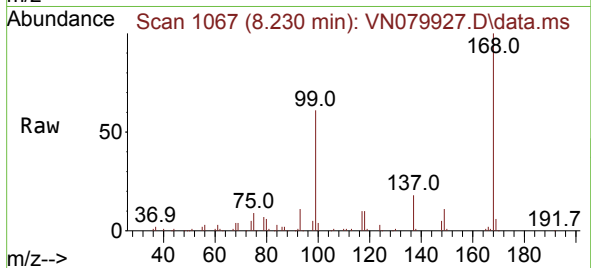
ClientSampleId :

Tgt Ion:168 Resp: 236767

Ion Ratio Lower Upper

168 100

99 60.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079927.D

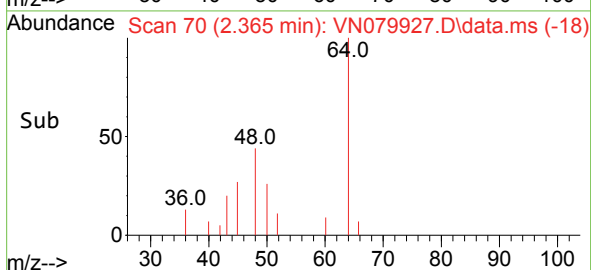
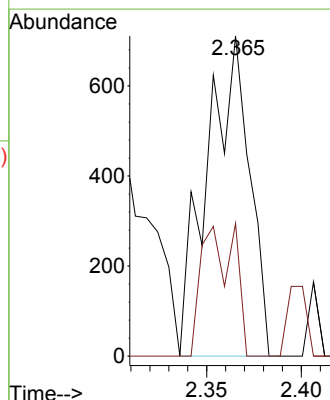
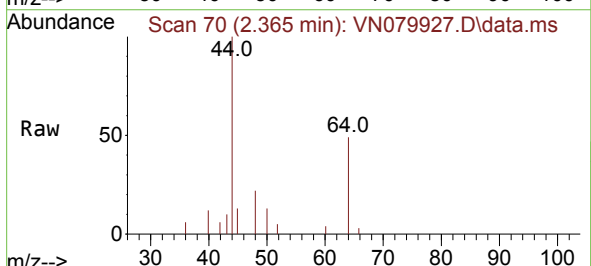
Acq: 06 Nov 2023 16:57

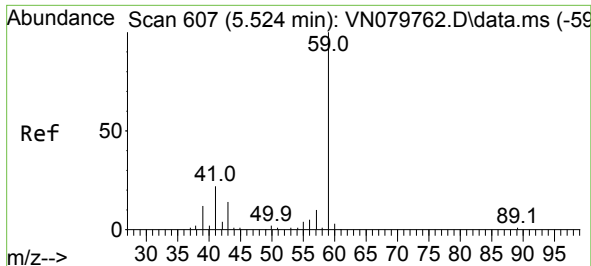
Tgt Ion: 50 Resp: 1108

Ion Ratio Lower Upper

50 100

52 41.5 26.5 39.7#





#11

Tert butyl alcohol

Concen: 2.365 ug/l

RT: 5.536 min Scan# 607

Delta R.T. 0.018 min

Lab File: VN079927.D

Acq: 06 Nov 2023 16:57

Instrument :

MSVOA_N

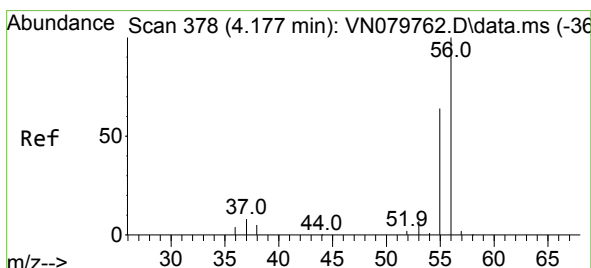
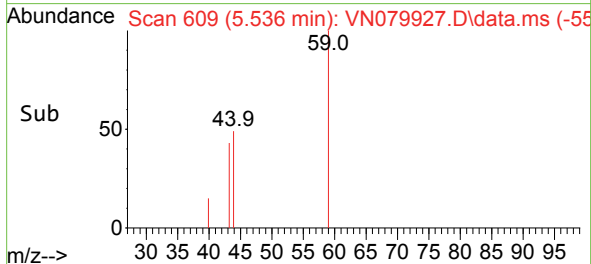
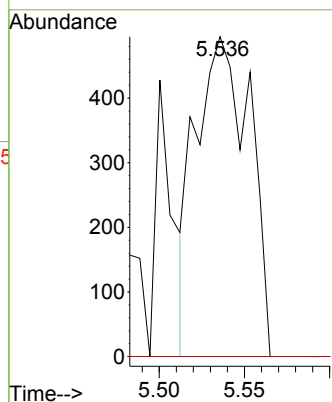
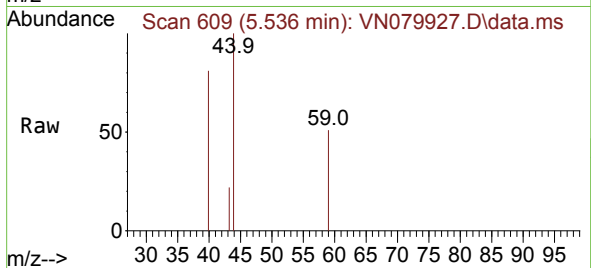
ClientSampleId :

Tgt Ion: 59 Resp: 1089

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 3.038 ug/l

RT: 4.300 min Scan# 399

Delta R.T. 0.117 min

Lab File: VN079927.D

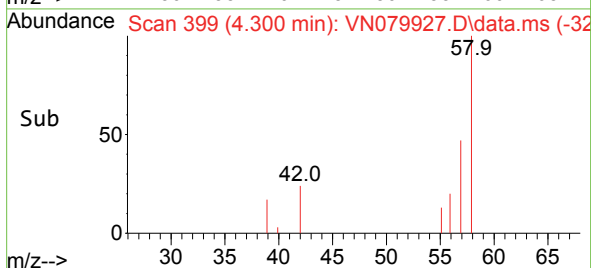
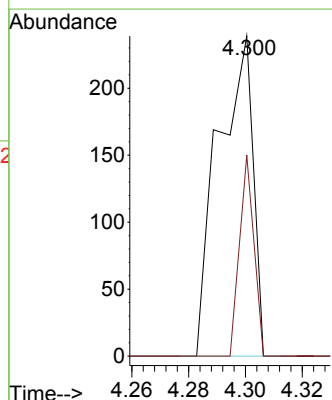
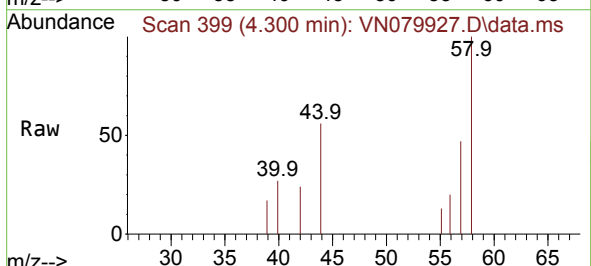
Acq: 06 Nov 2023 16:57

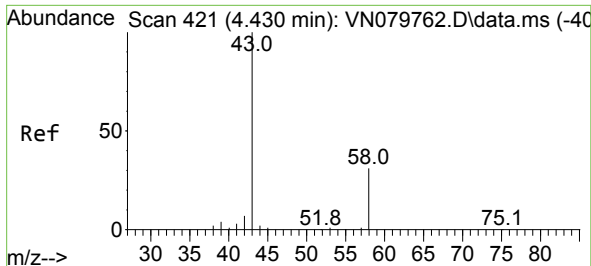
Tgt Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 26.2 54.5 81.7#





#16

Acetone

Concen: 52.236 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN079927.D

Acq: 06 Nov 2023 16:57

Instrument :

MSVOA_N

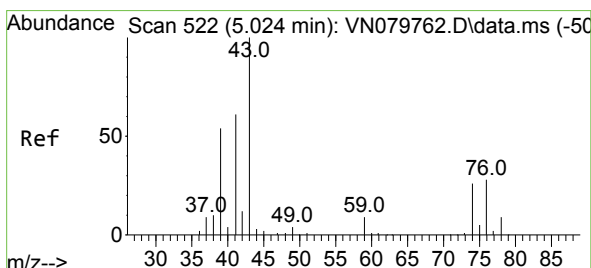
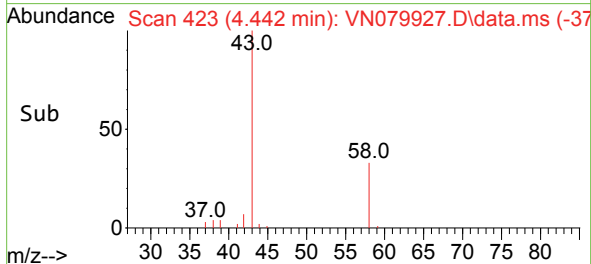
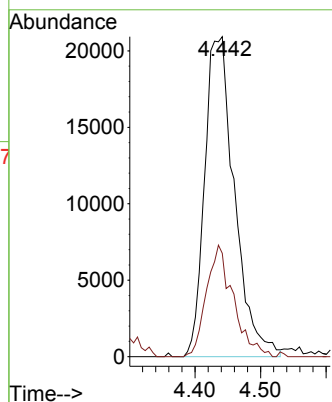
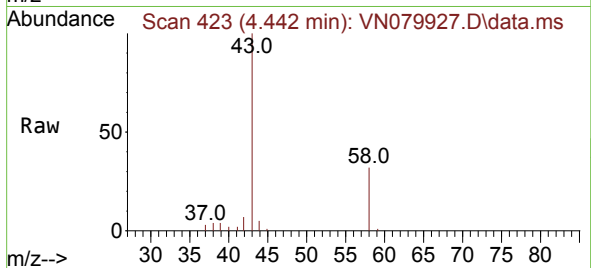
ClientSampleId :

Tgt Ion: 43 Resp: 66187

Ion Ratio Lower Upper

43 100

58 32.3 28.0 42.0



#18

Methyl Acetate

Concen: 1.669 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN079927.D

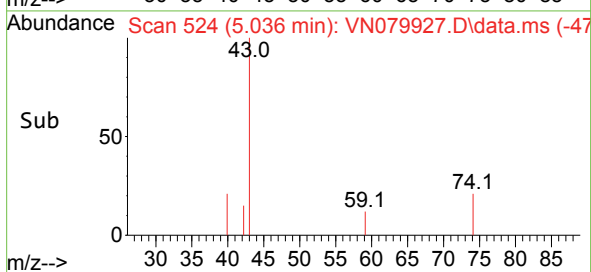
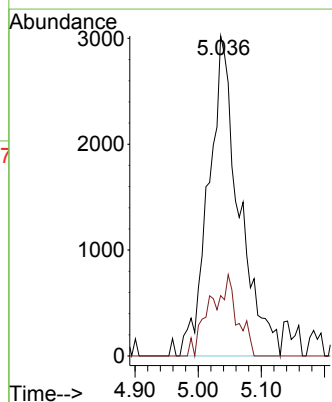
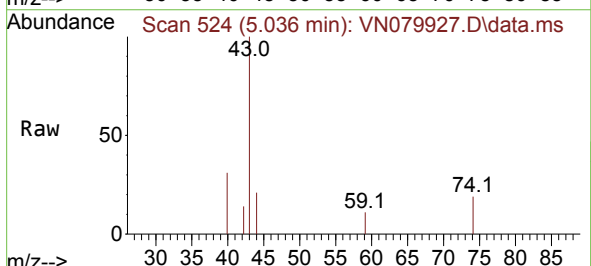
Acq: 06 Nov 2023 16:57

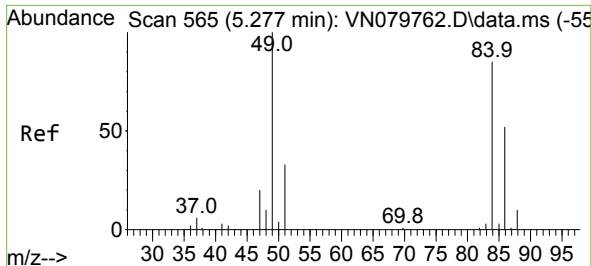
Tgt Ion: 43 Resp: 10119

Ion Ratio Lower Upper

43 100

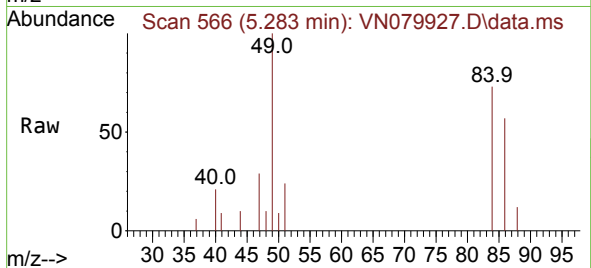
74 13.3 26.2 39.4#



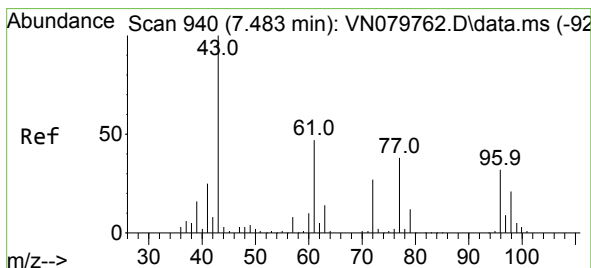
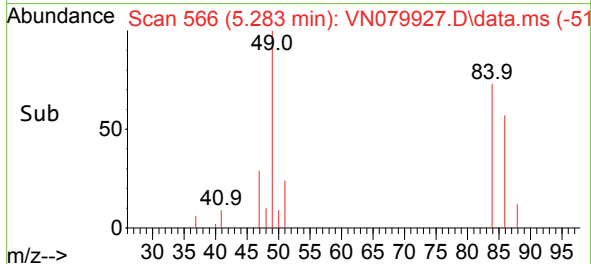
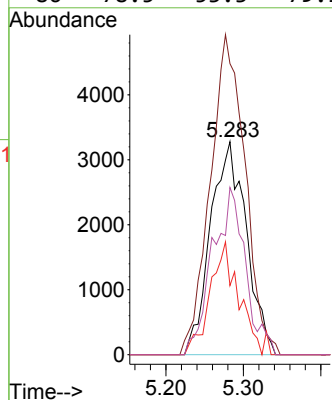


#20
Methylene Chloride
Concen: 3.298 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.012 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Instrument :
MSVOA_N
ClientSampleId :

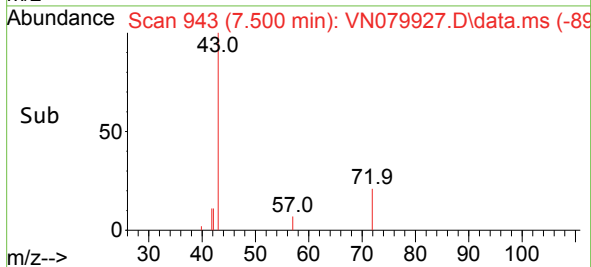
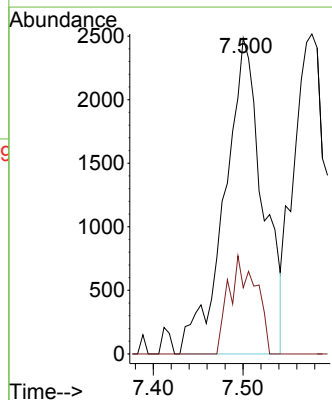
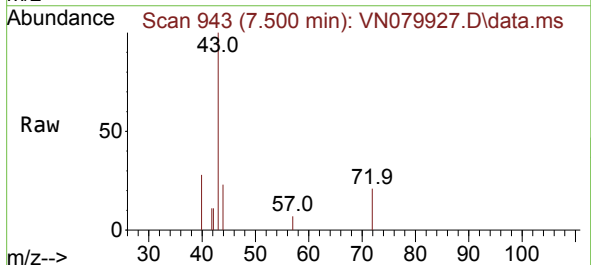


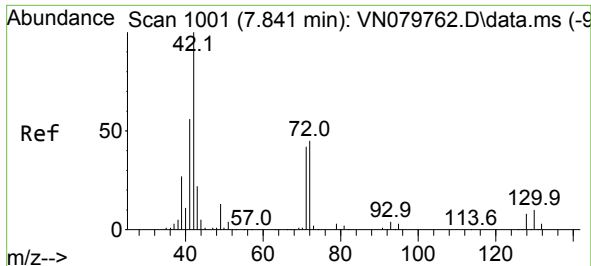
Tgt Ion:	84	Resp:	10544
Ion	Ratio	Lower	Upper
84	100		
49	136.6	79.7	119.5#
51	32.5	25.2	37.8
86	78.5	53.3	79.9



#25
2-Butanone
Concen: 3.941 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion:	43	Resp:	7313
Ion	Ratio	Lower	Upper
43	100		
72	21.0	30.2	45.2#

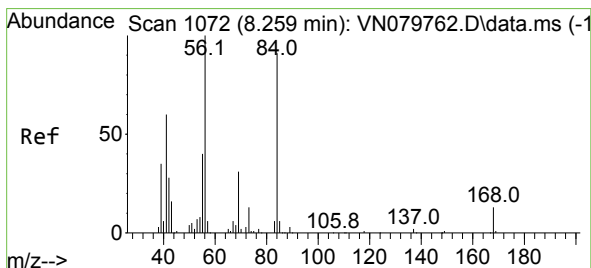
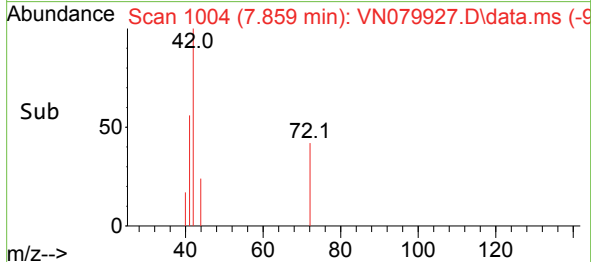
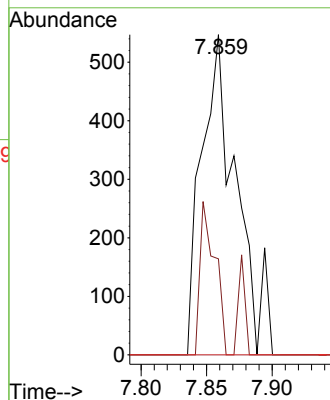
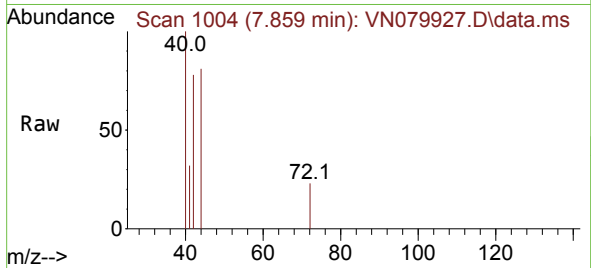




#29
Tetrahydrofuran
Concen: 0.839 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

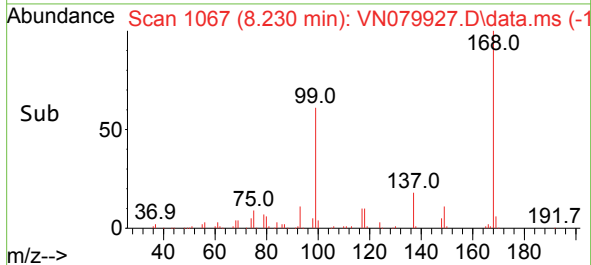
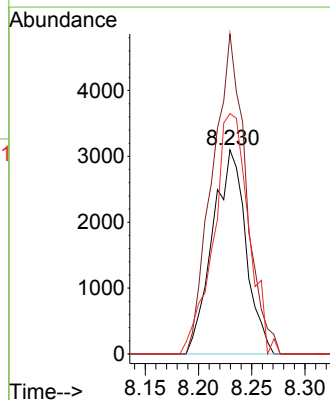
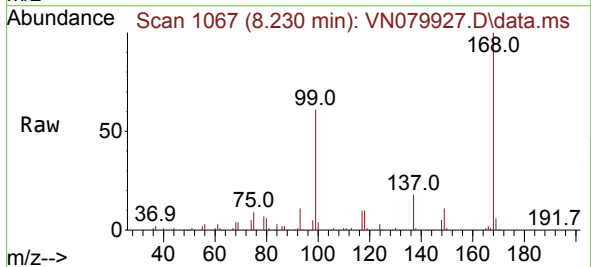
Instrument :
MSVOA_N
ClientSampleId :

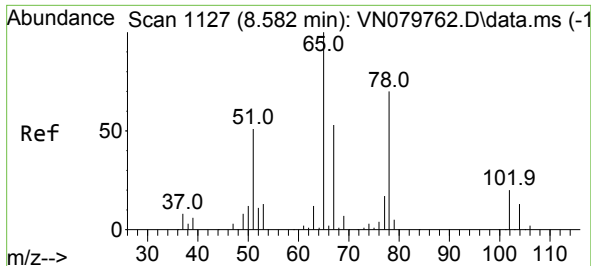
Tgt Ion: 42 Resp: 1013
Ion Ratio Lower Upper
42 100
72 20.7 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.415 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 56 Resp: 6745
Ion Ratio Lower Upper
56 100
69 156.8 26.8 40.2#
84 117.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 62.727 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079927.D

Acq: 06 Nov 2023 16:57

Instrument :

MSVOA_N

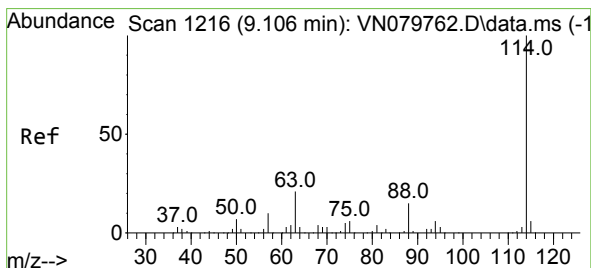
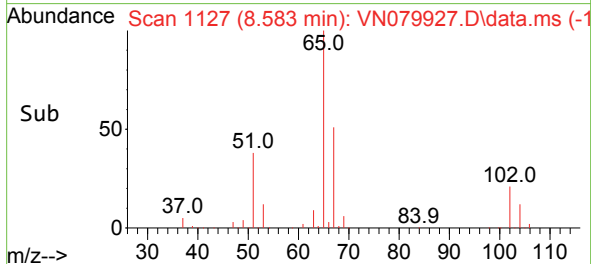
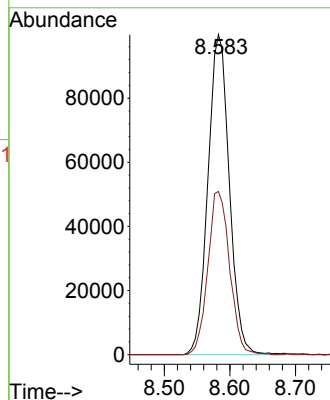
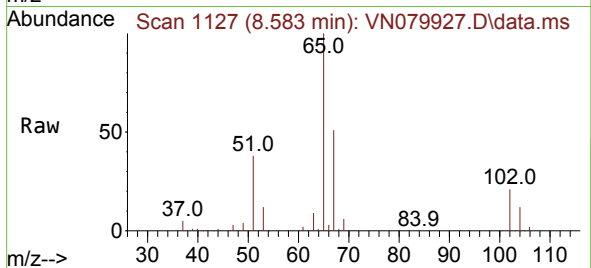
ClientSampleId :

Tgt Ion: 65 Resp: 226272

Ion Ratio Lower Upper

65 100

67 51.9 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: VN079927.D

Acq: 06 Nov 2023 16:57

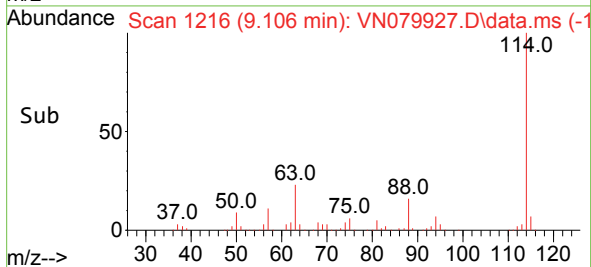
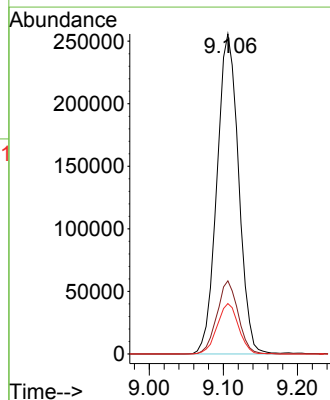
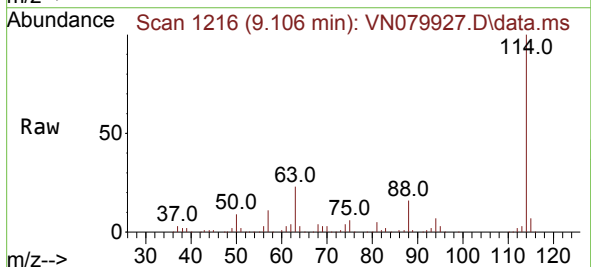
Tgt Ion: 114 Resp: 519224

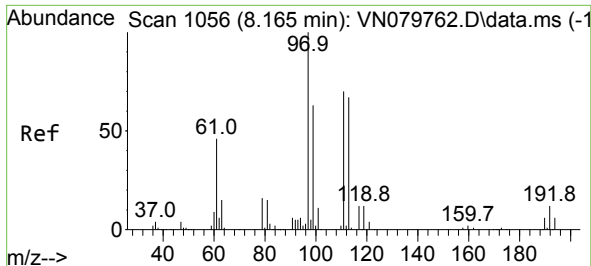
Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.4

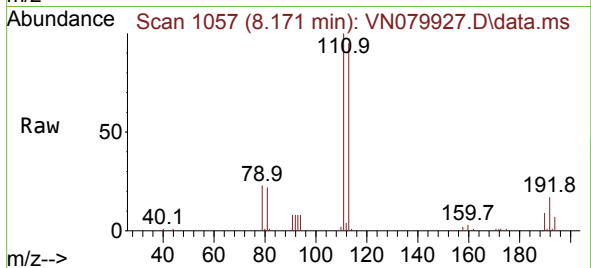
88 15.7 0.0 30.6



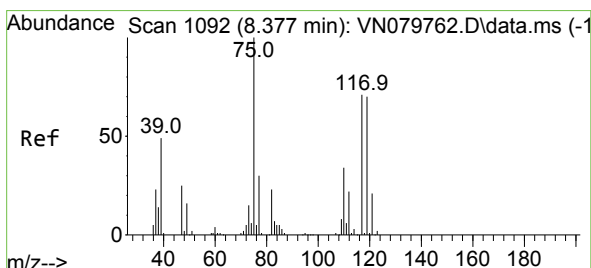
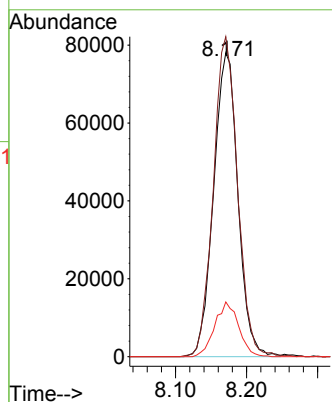
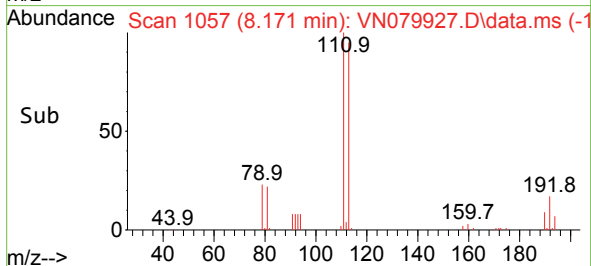


#35
Dibromofluoromethane
Concen: 50.408 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Instrument :
MSVOA_N
ClientSampleId :

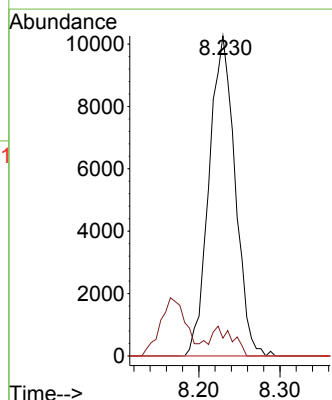
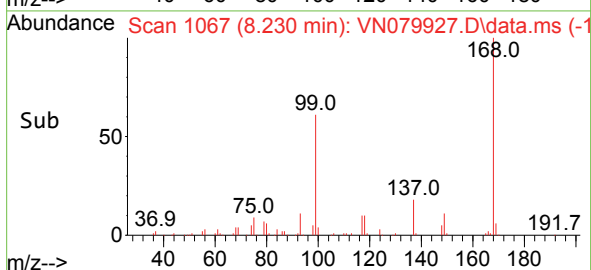
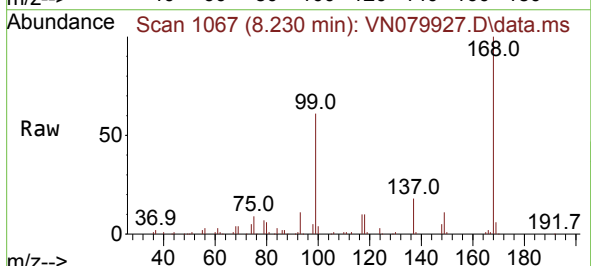


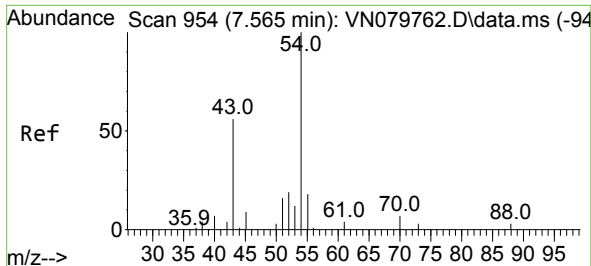
Tgt Ion:113 Resp: 185242
Ion Ratio Lower Upper
113 100
111 104.8 82.6 123.8
192 17.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.358 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

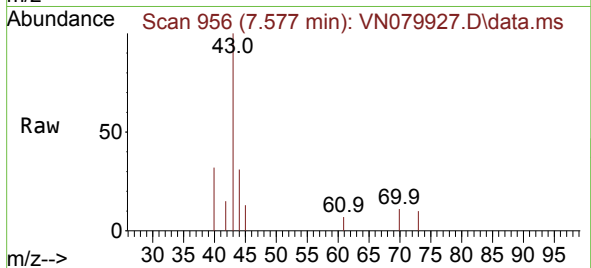
Tgt Ion: 75 Resp: 22869
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



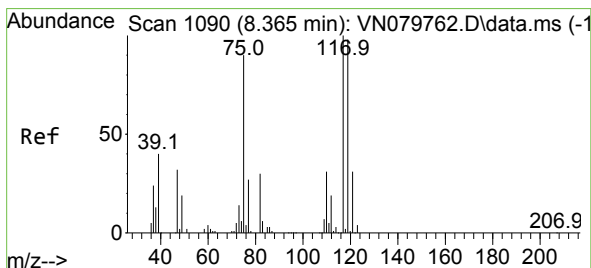
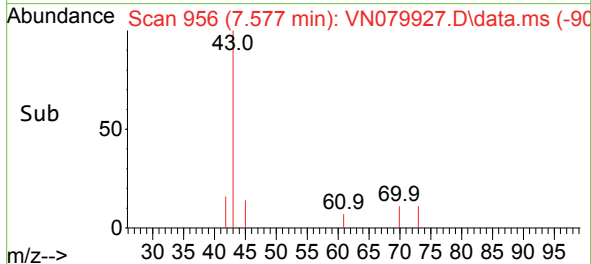
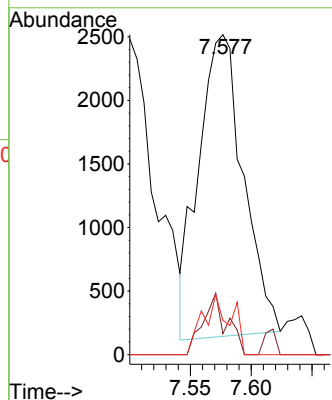


#37
Ethyl Acetate
Concen: 1.260 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Instrument :
MSVOA_N
ClientSampleId :

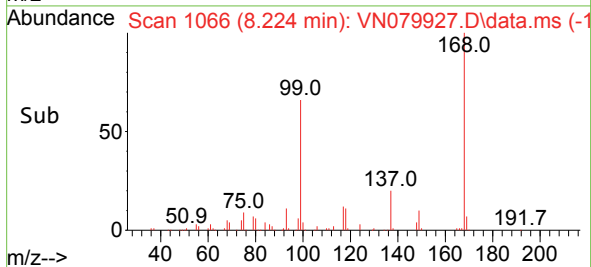
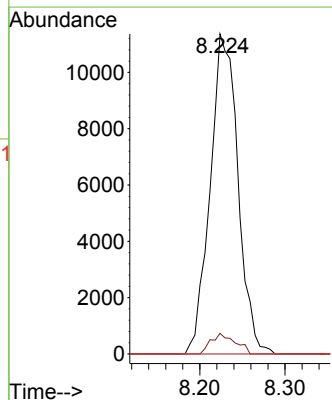
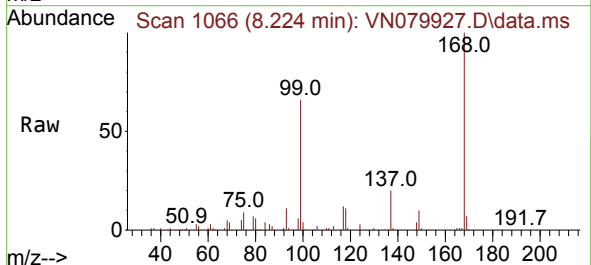


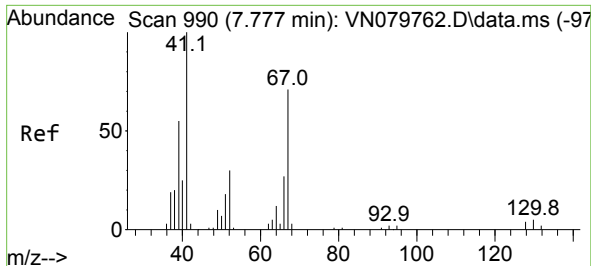
Tgt Ion: 43 Resp: 6062
Ion Ratio Lower Upper
43 100
61 10.8 13.2 19.8#
70 12.5 11.3 16.9



#38
Carbon Tetrachloride
Concen: 4.878 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 117 Resp: 25795
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 23.3 34.9#

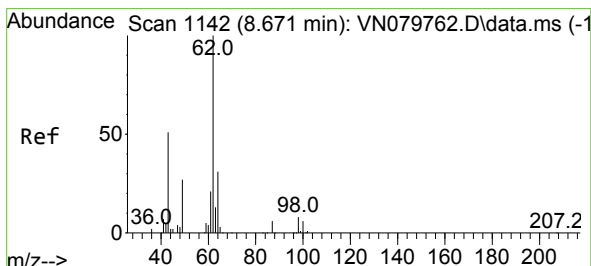
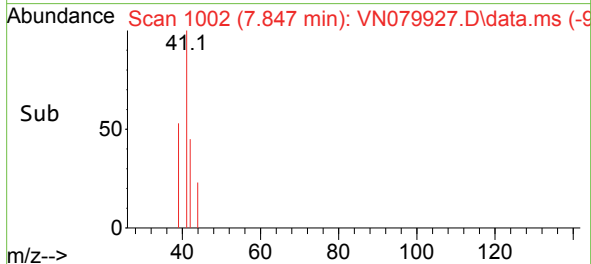
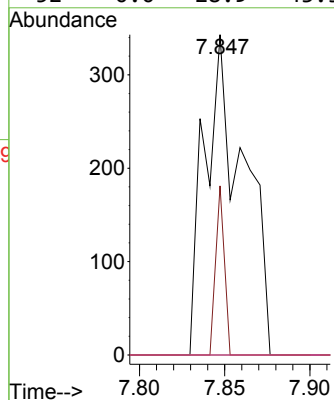
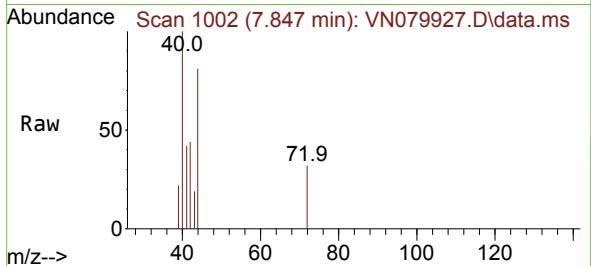




#41
Methacrylonitrile
Concen: 0.213 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.065 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

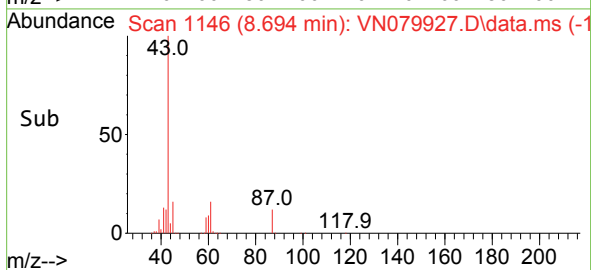
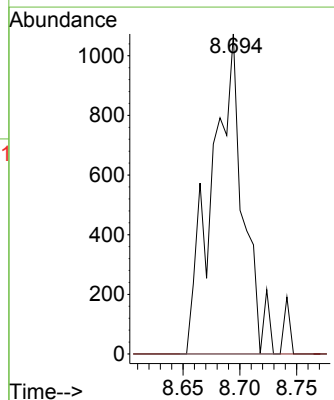
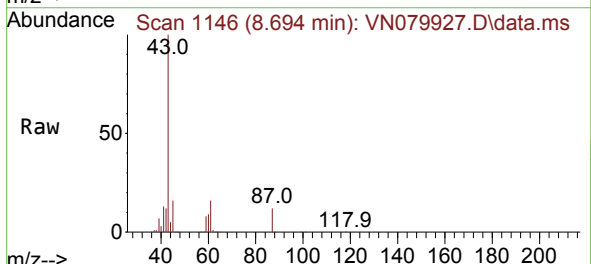
Instrument :
MSVOA_N
ClientSampleId :

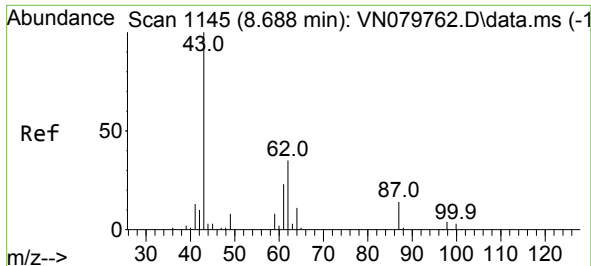
Tgt Ion: 41 Resp: 545
Ion Ratio Lower Upper
41 100
39 11.7 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#



#42
1,2-Dichloroethane
Concen: 0.375 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 62 Resp: 2061
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

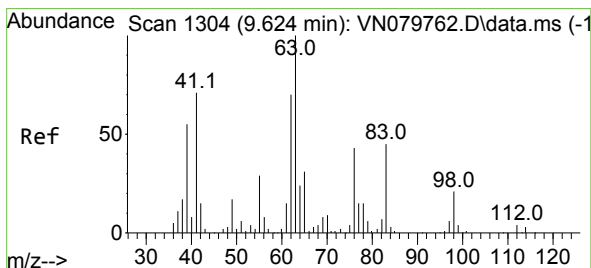
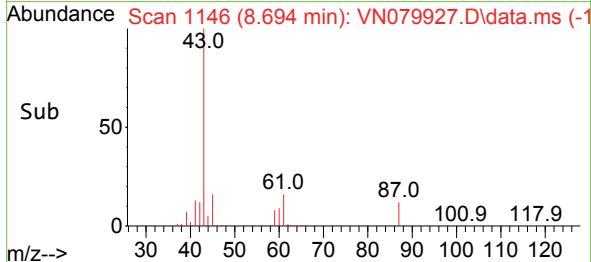
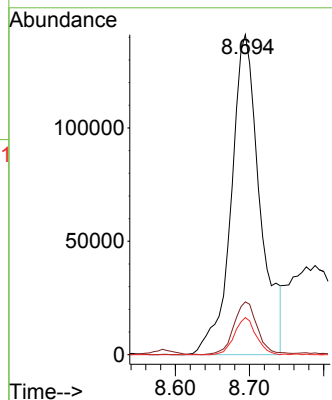
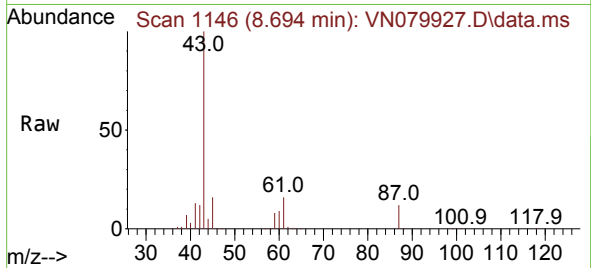




#43
Isopropyl Acetate
Concen: 45.061 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

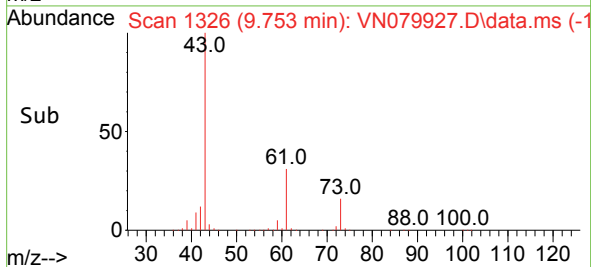
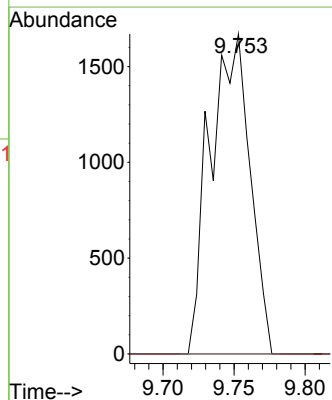
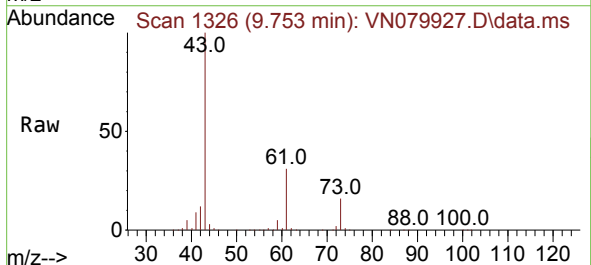
Instrument :
MSVOA_N
ClientSampleId :

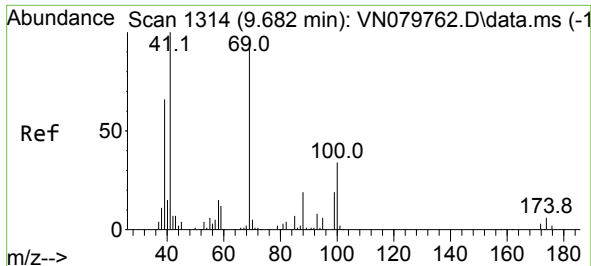
Tgt Ion: 43 Resp: 380280
Ion Ratio Lower Upper
43 100
61 13.6 24.7 37.1#
87 8.7 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.816 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.130 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

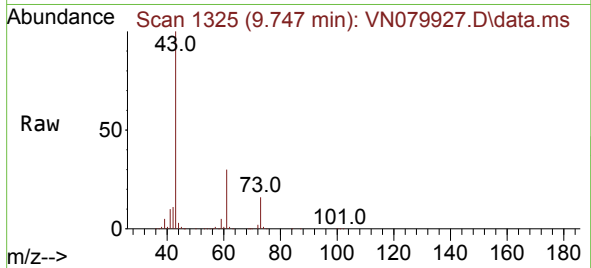
Tgt Ion: 63 Resp: 3279
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



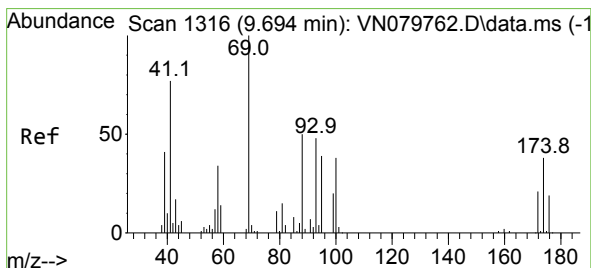
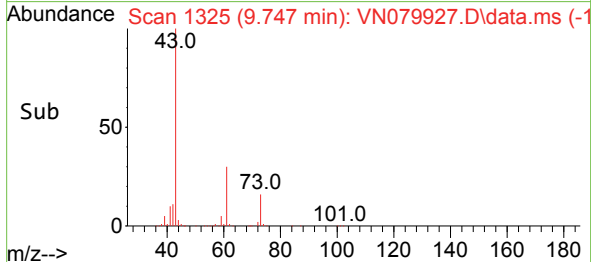
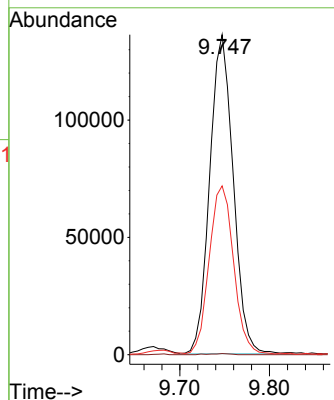


#48
Methyl methacrylate
Concen: 66.705 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Instrument :
MSVOA_N
ClientSampleId :

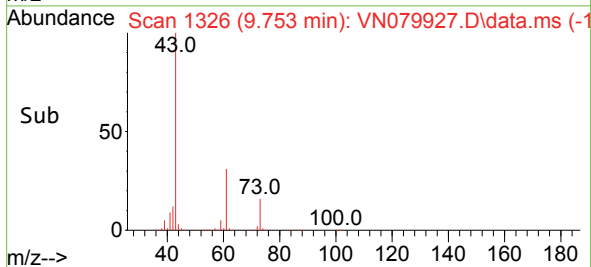
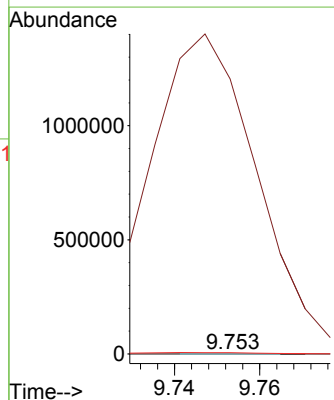
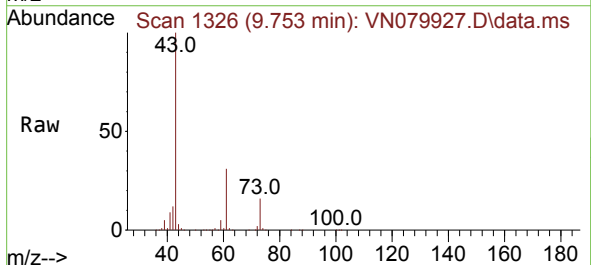


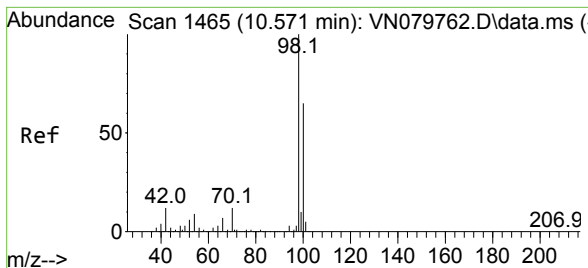
Tgt Ion: 41 Resp: 246570
Ion Ratio Lower Upper
41 100
69 0.3 90.4 135.6#
39 54.9 54.6 81.8



#49
1,4-Dioxane
Concen: 1.041 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 3733176.5 17.0 25.6#
58 19111.8 47.0 70.4#

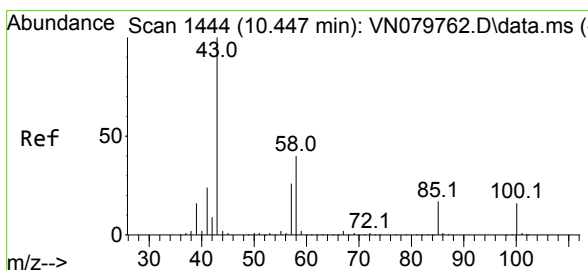
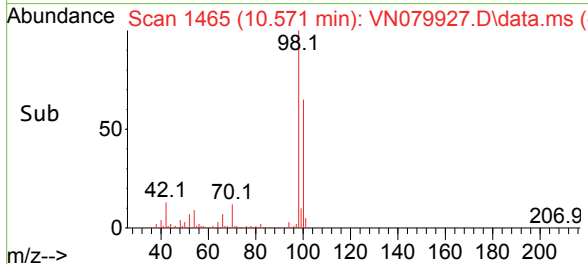
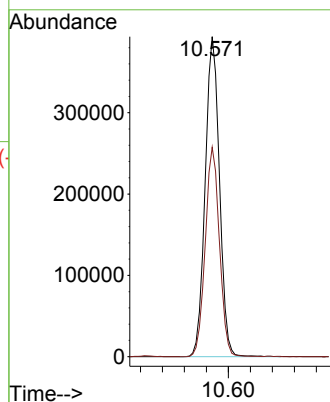
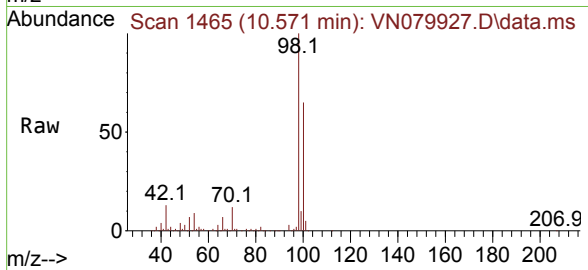




#50
Toluene-d8
Concen: 52.413 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

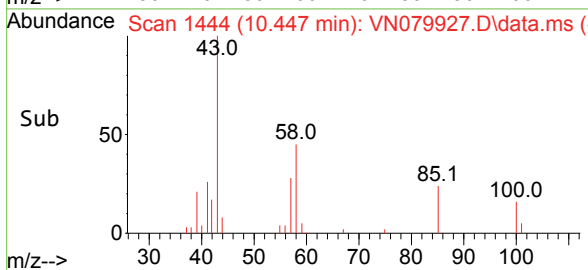
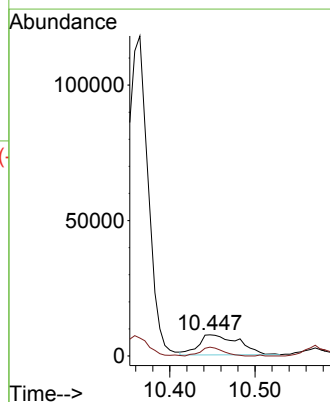
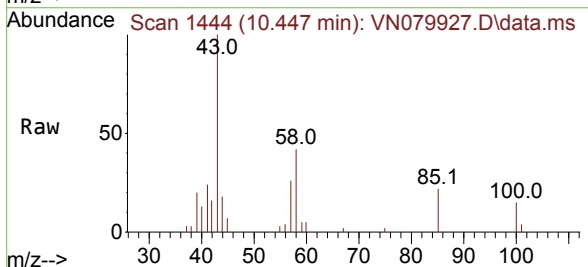
Instrument :
MSVOA_N
ClientSampleId :

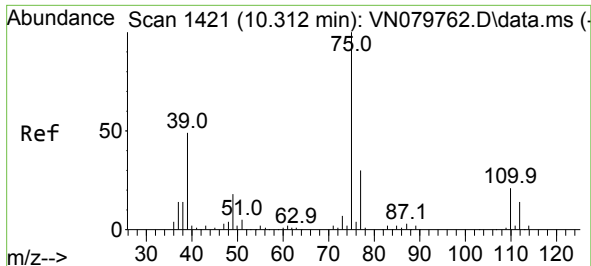
Tgt Ion: 98 Resp: 709063
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.182 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 43 Resp: 24619
Ion Ratio Lower Upper
43 100
58 24.2 36.6 54.8#

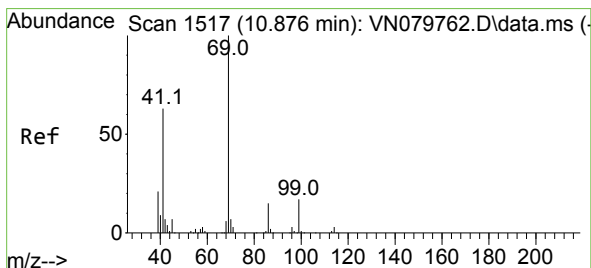
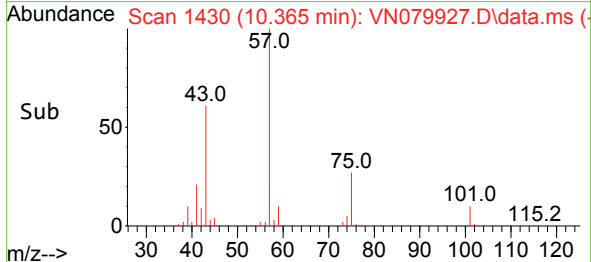
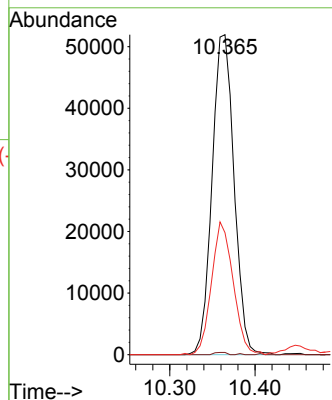
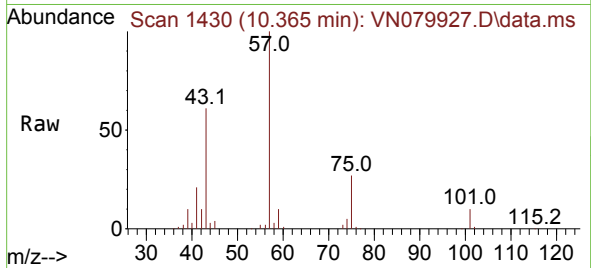




#54
 cis-1,3-Dichloropropene
 Concen: 14.892 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.047 min
 Lab File: VN079927.D
 Acq: 06 Nov 2023 16:57

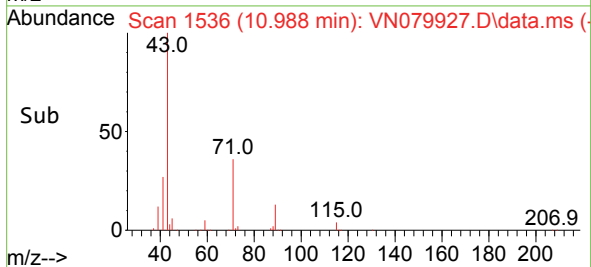
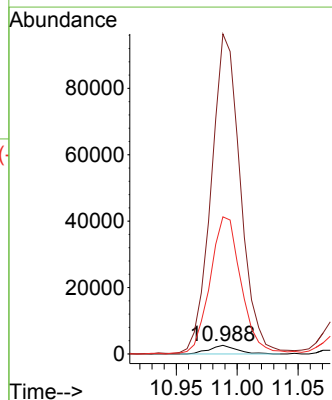
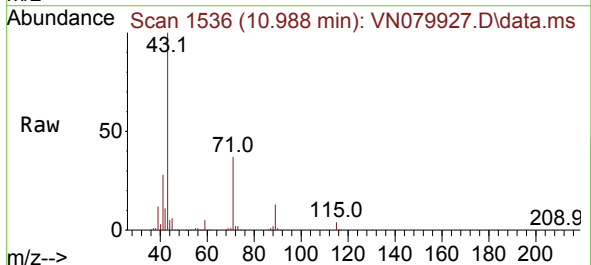
Instrument :
 MSVOA_N
 ClientSampleId :

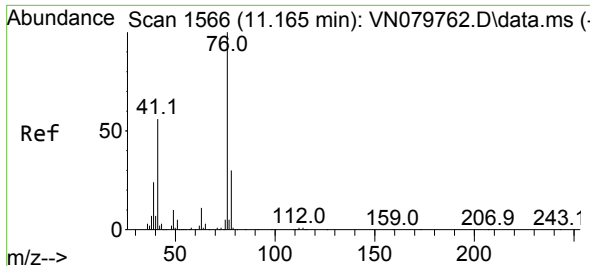
Tgt Ion: 75 Resp: 93065
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 38.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.765 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN079927.D
 Acq: 06 Nov 2023 16:57

Tgt Ion: 69 Resp: 4089
 Ion Ratio Lower Upper
 69 100
 41 3957.1 39.6 59.4#
 39 1802.4 28.6 43.0#

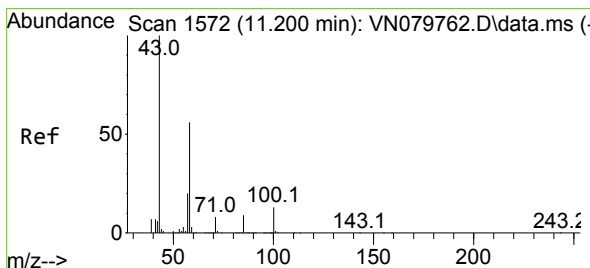
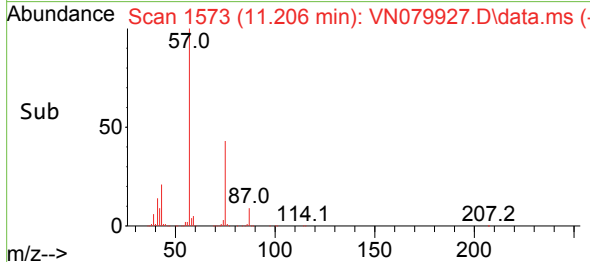
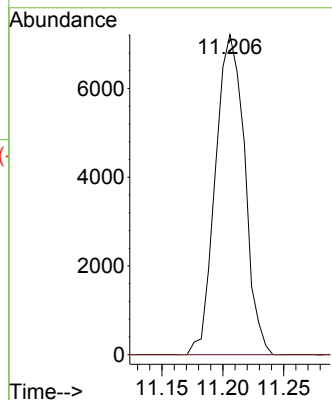
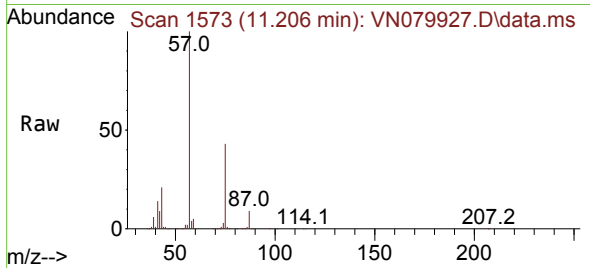




#57
1,3-Dichloropropane
Concen: 1.824 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

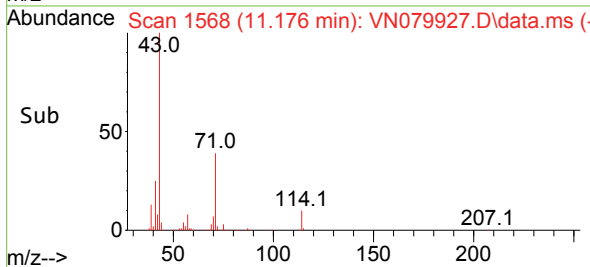
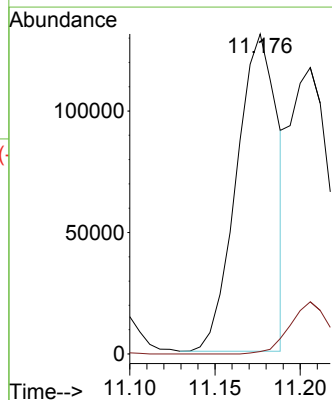
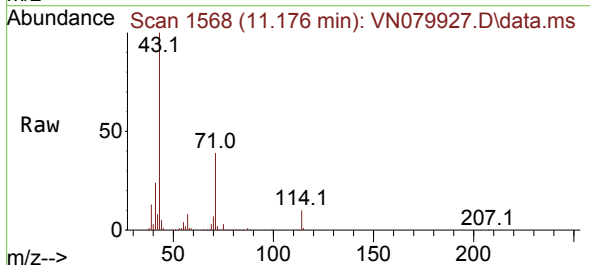
Instrument :
MSVOA_N
ClientSampleId :

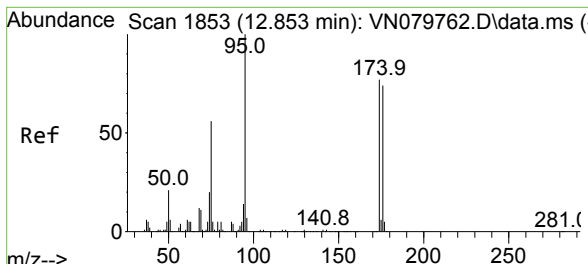
Tgt Ion: 76 Resp: 12046
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 60.187 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion: 43 Resp: 218757
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

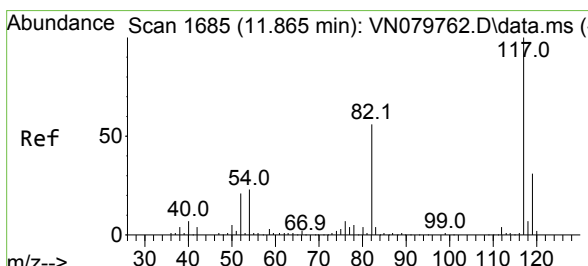
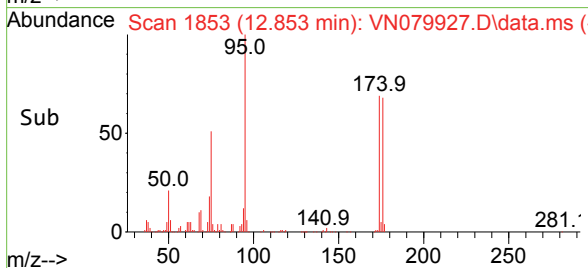
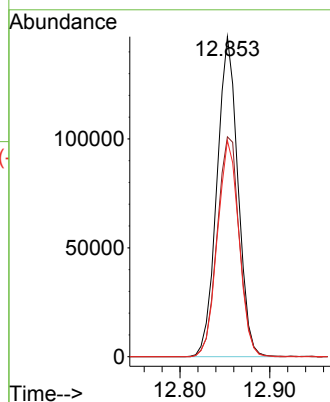
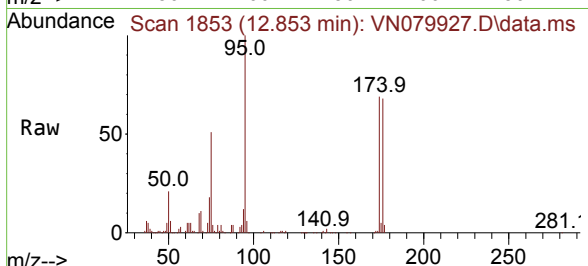




#62
4-Bromofluorobenzene
Concen: 53.166 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

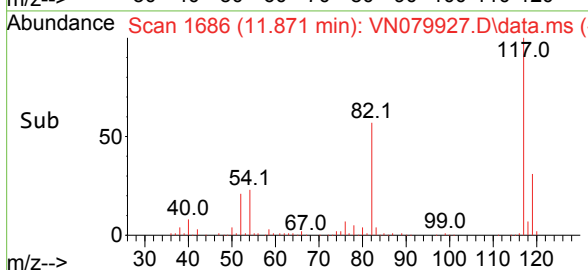
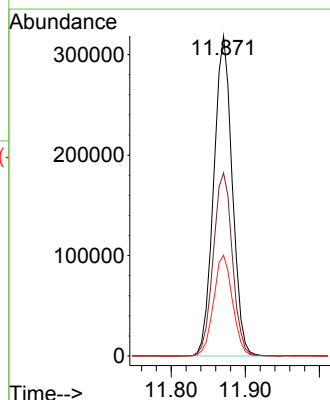
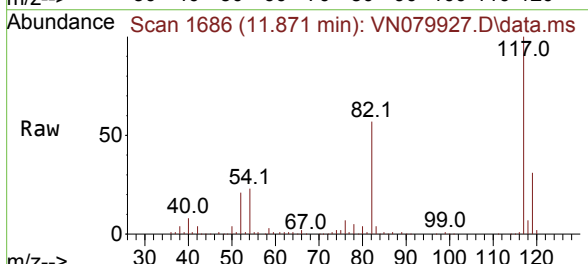
Instrument :
MSVOA_N
ClientSampleId :

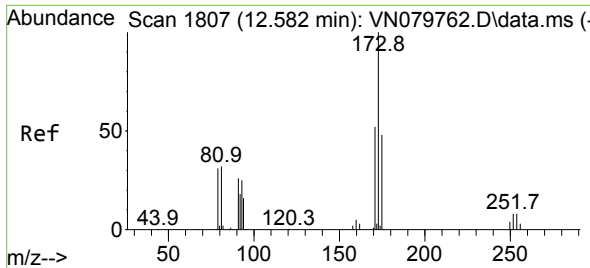
Tgt Ion:	95	Resp:	238542
Ion Ratio	Lower	Upper	
95	100		
174	72.9	0.0	143.8
176	69.2	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion:	117	Resp:	552653
Ion Ratio	Lower	Upper	
117	100		
82	57.2	44.0	66.0
119	31.5	25.6	38.4

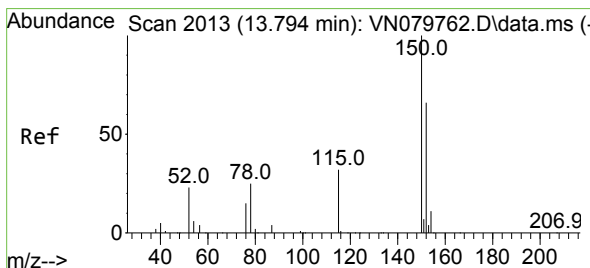
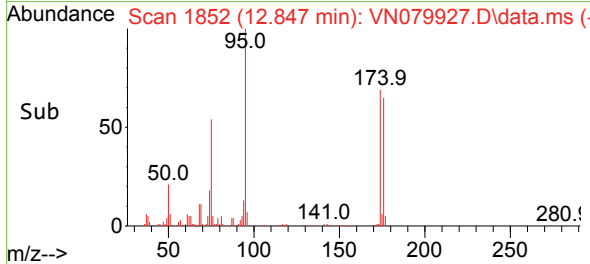
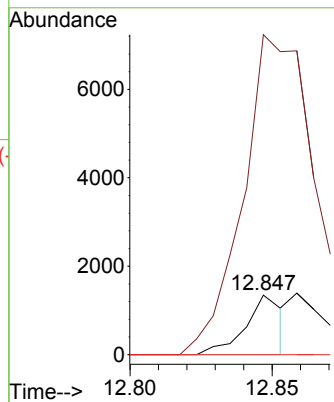
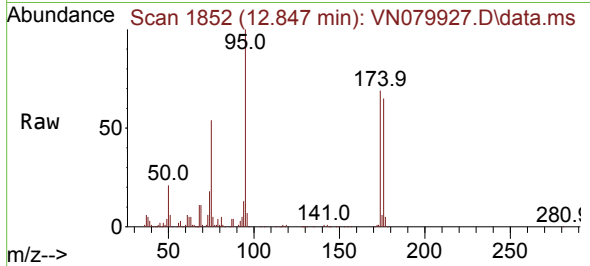




#71
Bromoform
Concen: 0.399 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

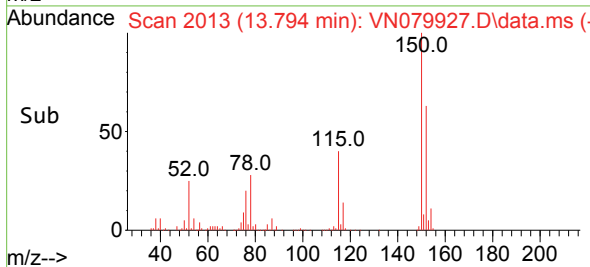
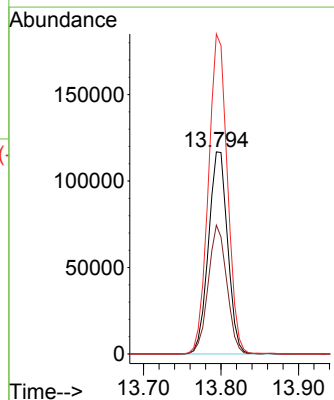
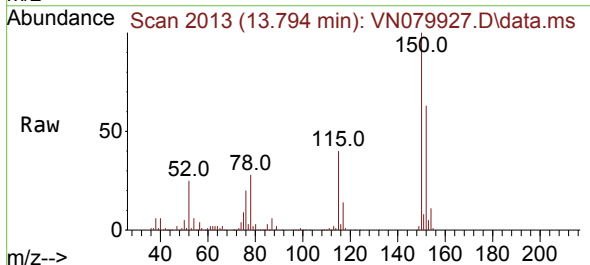
Instrument :
MSVOA_N
ClientSampleId :

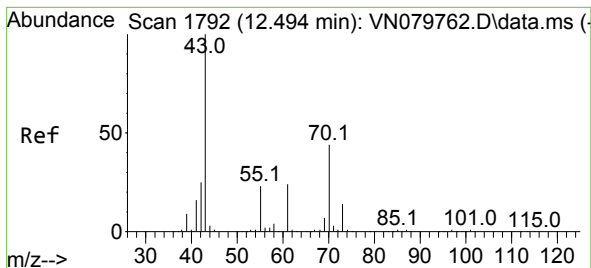
Tgt Ion:173 Resp: 1223
Ion Ratio Lower Upper
173 100
175 616.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079927.D
Acq: 06 Nov 2023 16:57

Tgt Ion:152 Resp: 200812
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 156.8 0.0 355.8





#74

N-amy1 acetate

Concen: 0.435 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

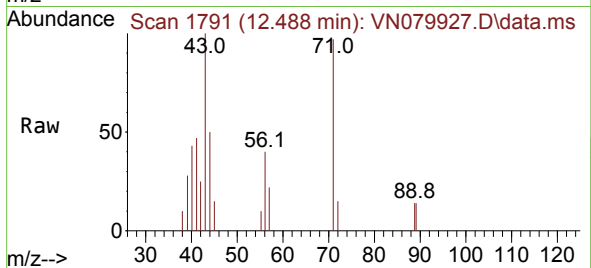
Lab File: VN079927.D

Acq: 06 Nov 2023 16:57

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2895

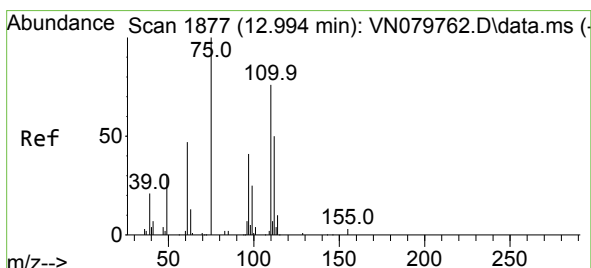
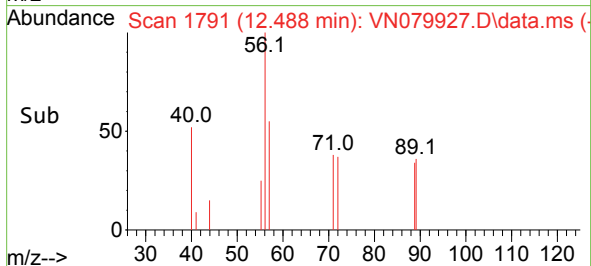
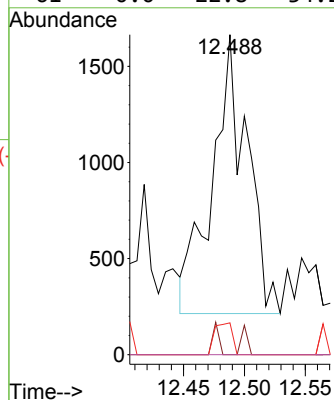
Ion Ratio Lower Upper

43 100

70 1.9 43.4 65.2#

55 5.8 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 27.058 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079927.D

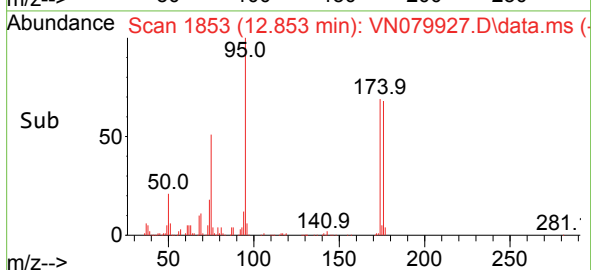
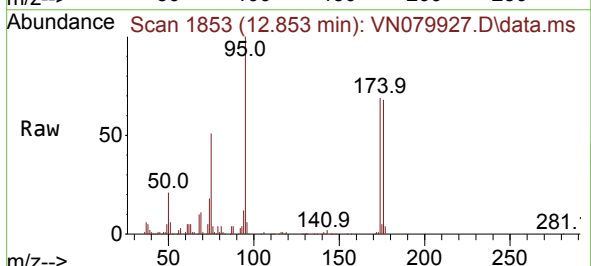
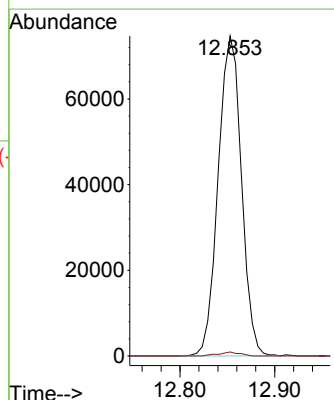
Acq: 06 Nov 2023 16:57

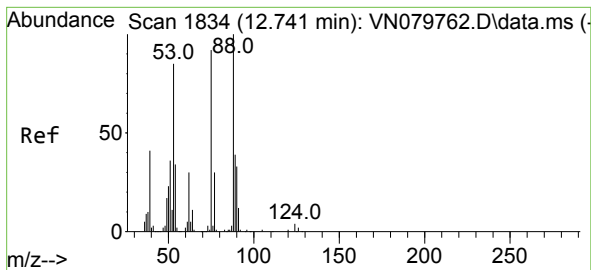
Tgt Ion: 75 Resp: 127564

Ion Ratio Lower Upper

75 100

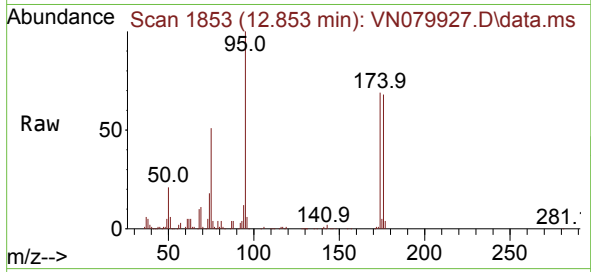
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.618 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079927.D
 Acq: 06 Nov 2023 16:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 127564
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.4 101.2#
 89 0.1 38.8 58.2#

