

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079415.D
 Acq On : 04 Oct 2023 20:00
 Operator : JC\MD
 Sample : 04714-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:27:01 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)

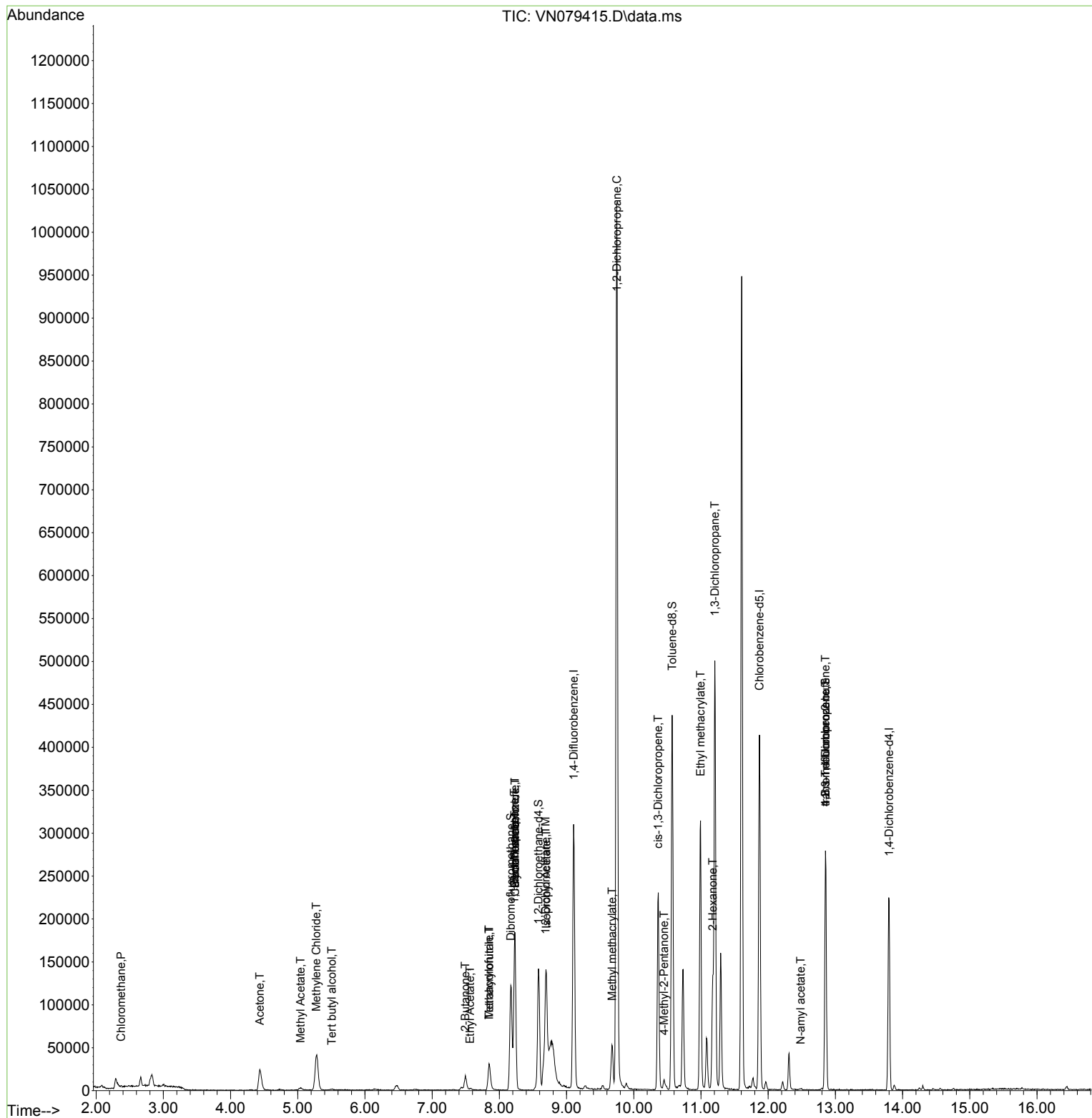
Internal Standards						
1) Pentafluorobenzene	8.230	168	127512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	253544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	231300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	58889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	113262	65.801	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 131.600%#			
35) Dibromofluoromethane	8.171	113	88774	52.637	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%			
50) Toluene-d8	10.571	98	292418	47.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.440%			
62) 4-Bromofluorobenzene	12.853	95	89732	45.426	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.860%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	362	0.219	ug/l #	42
6) Chloroethane	3.112	64	270	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	644	2.027	ug/l #	72
16) Acetone	4.436	43	46663	63.831	ug/l #	87
18) Methyl Acetate	5.042	43	5448	1.813	ug/l #	57
20) Methylene Chloride	5.277	84	32885	18.485	ug/l	88
25) 2-Butanone	7.494	43	24629	23.220	ug/l #	77
29) Tetrahydrofuran	7.847	42	22304	33.043	ug/l #	74
31) Cyclohexane	8.230	56	3471	1.381	ug/l #	58
36) 1,1-Dichloropropene	8.224	75	12192	4.690	ug/l #	47
37) Ethyl Acetate	7.565	43	4274	1.648	ug/l #	69
38) Carbon Tetrachloride	8.235	117	13960	5.189	ug/l #	17
41) Methacrylonitrile	7.847	41	13591	10.396	ug/l #	32
42) 1,2-Dichloroethane	8.688	62	605	0.221	ug/l #	73
43) Isopropyl Acetate	8.700	43	189056	44.686	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1446	0.732	ug/l #	45
48) Methyl methacrylate	9.677	41	3940	2.079	ug/l #	25
51) 4-Methyl-2-Pentanone	10.453	43	11290	4.597	ug/l #	69
54) cis-1,3-Dichloropropene	10.365	75	38669	12.486	ug/l #	68
56) Ethyl methacrylate	10.994	69	2356	0.870	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4962	1.496	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	132	Below Cal	#	42
59) 2-Hexanone	11.176	43	105217	59.151	ug/l #	19
74) N-amyl acetate	12.482	43	1767	0.869	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	52246	32.918	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	52246	90.500	ug/l #	15

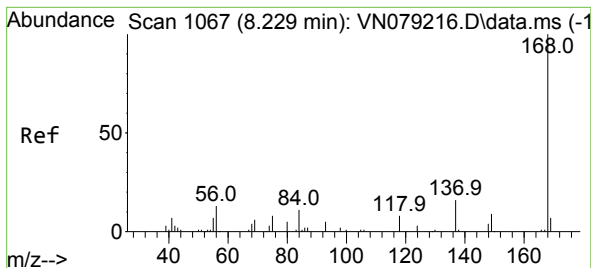
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN079415.D

Acq: 04 Oct 2023 20:00

Instrument :

MSVOA_N

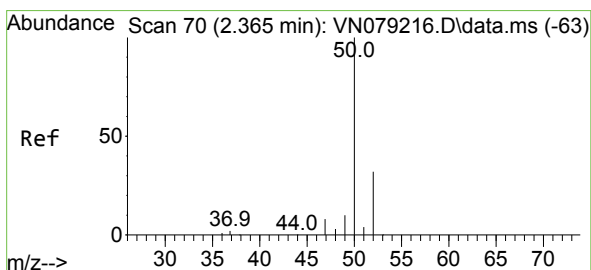
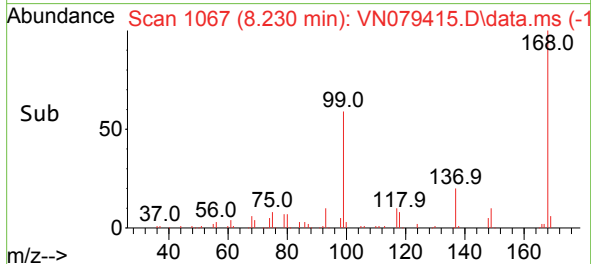
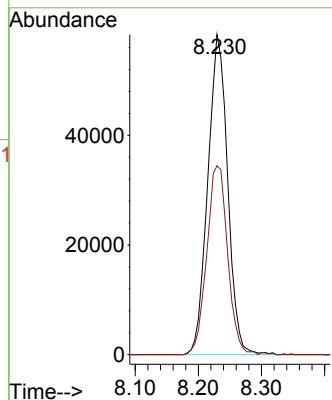
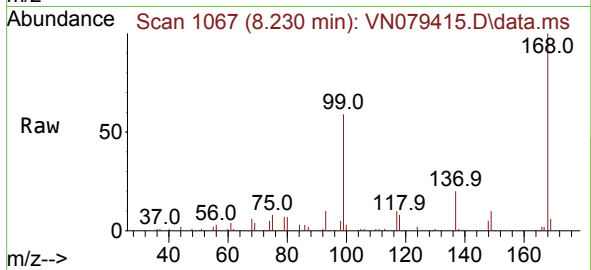
ClientSampleId :

Tgt Ion:168 Resp: 127512

Ion Ratio Lower Upper

168 100

99 59.0 53.0 79.6



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN079415.D

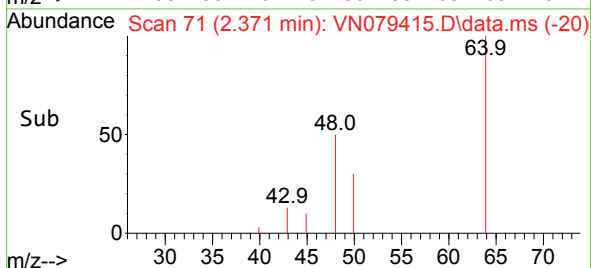
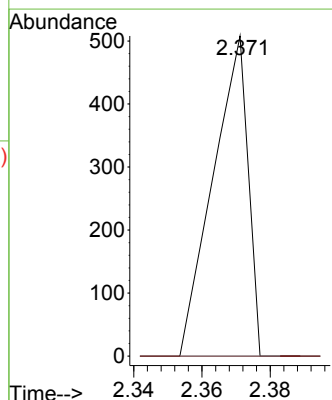
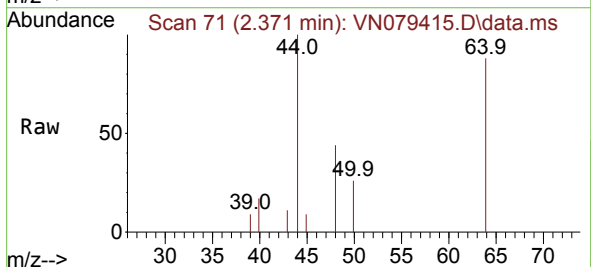
Acq: 04 Oct 2023 20:00

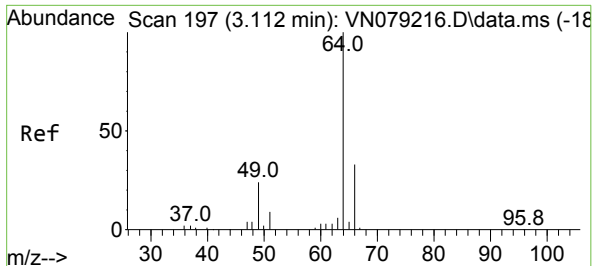
Tgt Ion: 50 Resp: 362

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

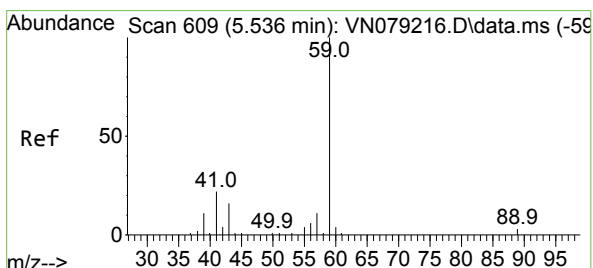
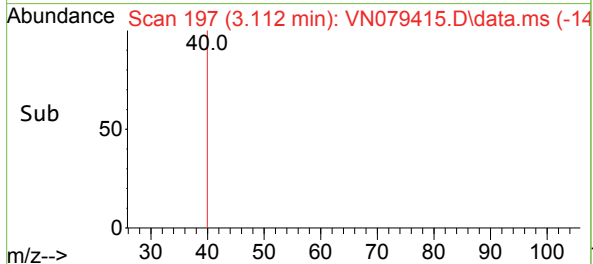
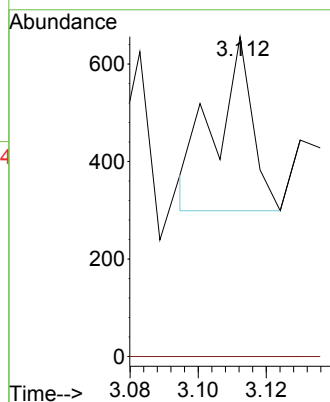
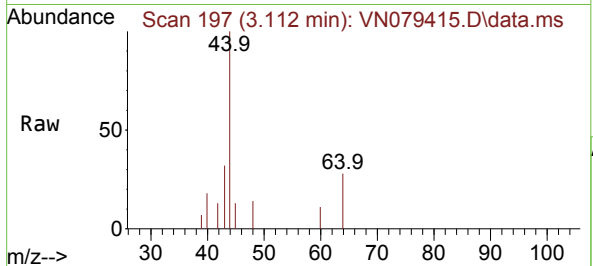




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

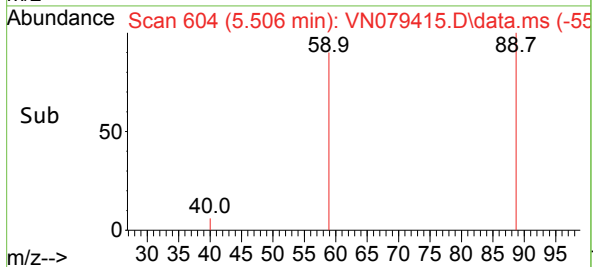
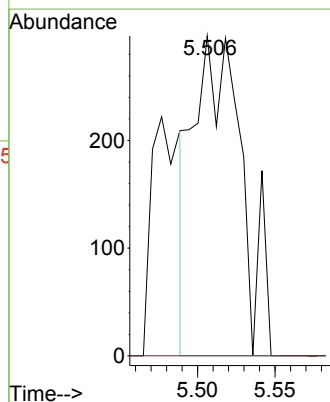
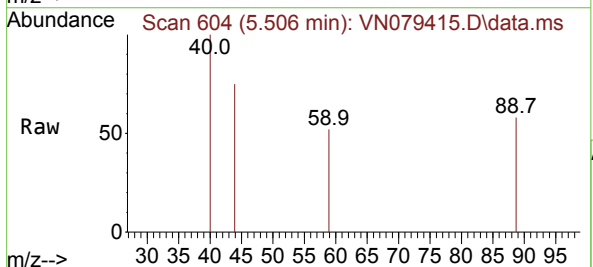
Instrument :
MSVOA_N
ClientSampleId :

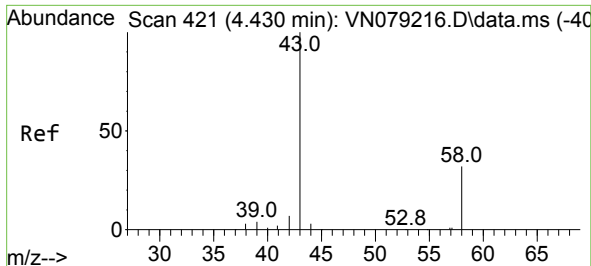
Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.027 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Tgt Ion: 59 Resp: 644
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

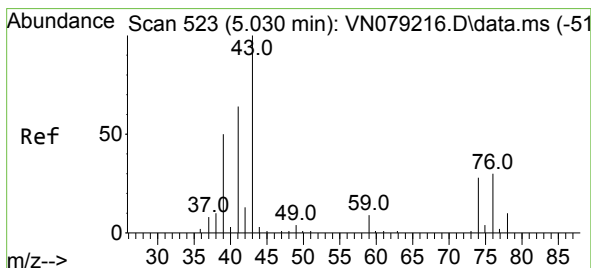
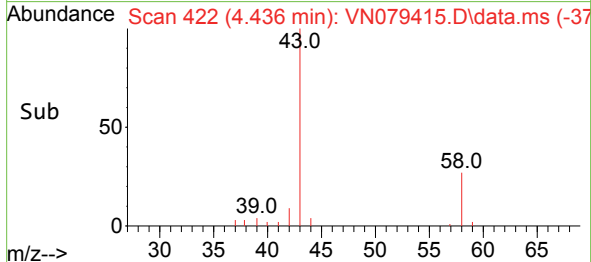
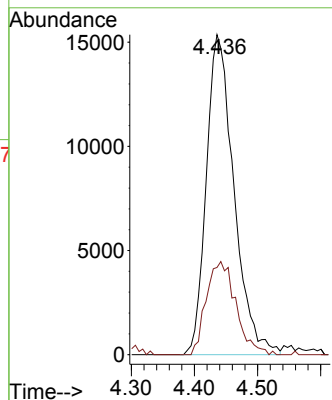
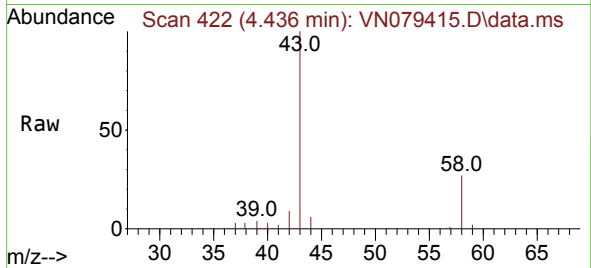




#16
Acetone
Concen: 63.831 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

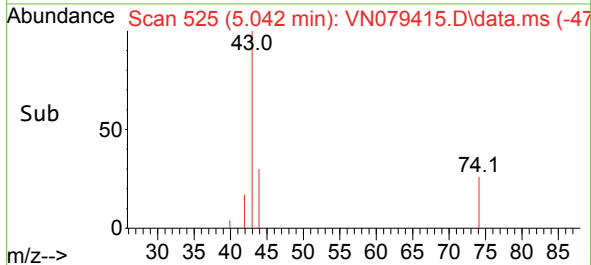
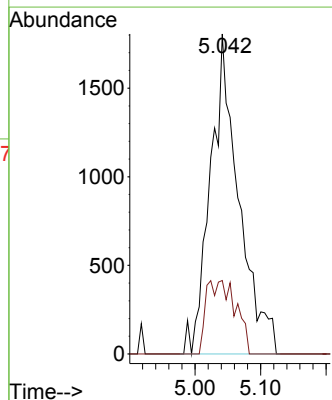
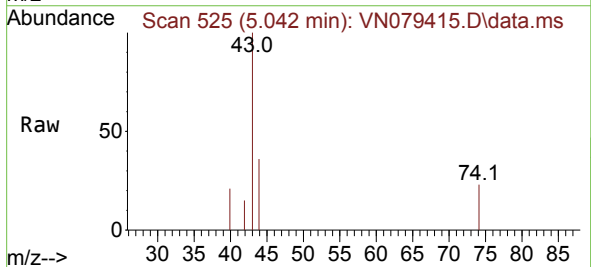
Instrument :
MSVOA_N
ClientSampleId :

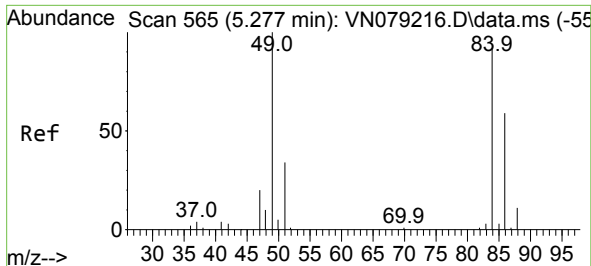
Tgt Ion: 43 Resp: 46663
Ion Ratio Lower Upper
43 100
58 27.3 28.0 42.0#



#18
Methyl Acetate
Concen: 1.813 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

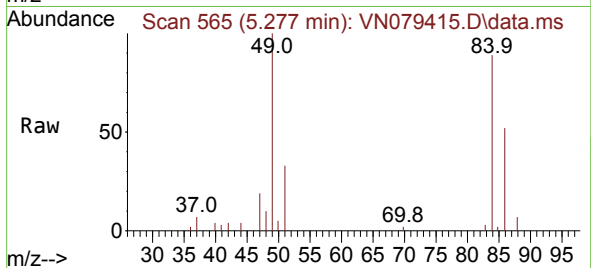
Tgt Ion: 43 Resp: 5448
Ion Ratio Lower Upper
43 100
74 8.3 26.2 39.4#



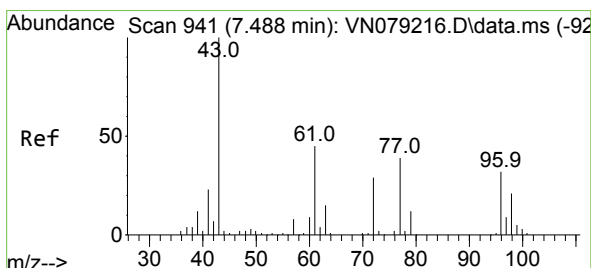
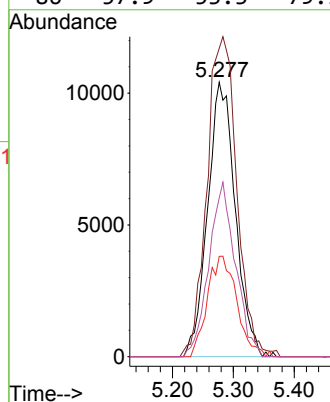
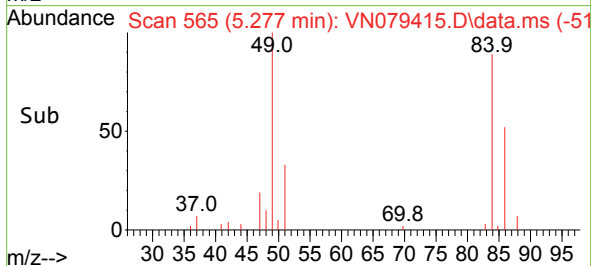


#20
Methylene Chloride
Concen: 18.485 ug/l
RT: 5.277 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Instrument :
MSVOA_N
ClientSampleId :

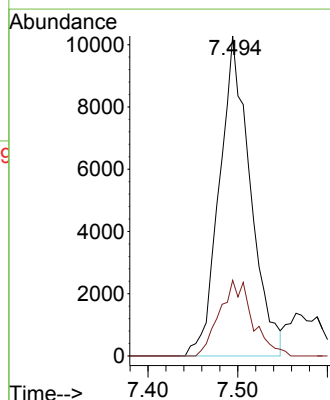
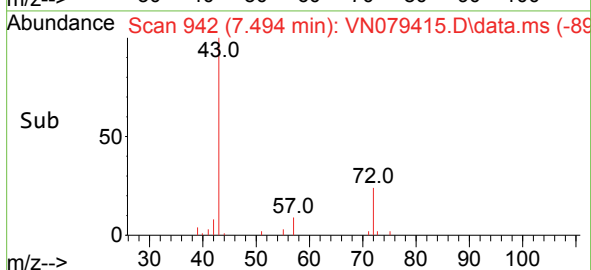
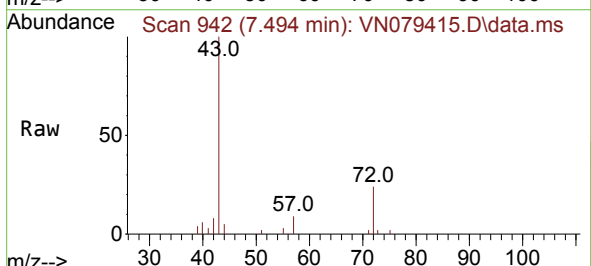


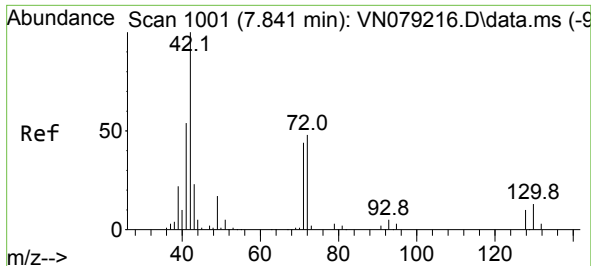
Tgt Ion:	84	Resp:	32885
Ion	Ratio	Lower	Upper
84	100		
49	112.3	79.7	119.5
51	36.6	25.2	37.8
86	57.9	53.3	79.9



#25
2-Butanone
Concen: 23.220 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Tgt Ion:	43	Resp:	24629
Ion	Ratio	Lower	Upper
43	100		
72	23.7	30.2	45.2#





#29

Tetrahydrofuran

Concen: 33.043 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.000 min

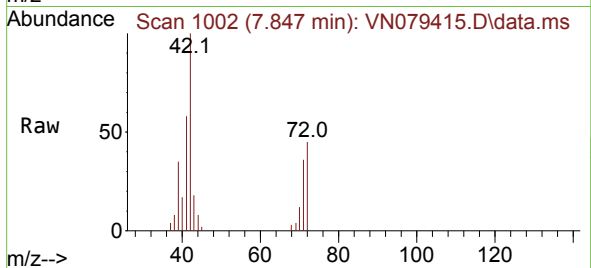
Lab File: VN079415.D

Acq: 04 Oct 2023 20:00

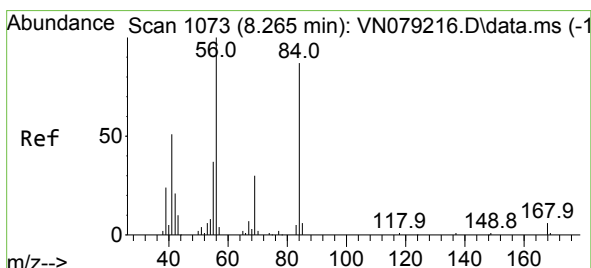
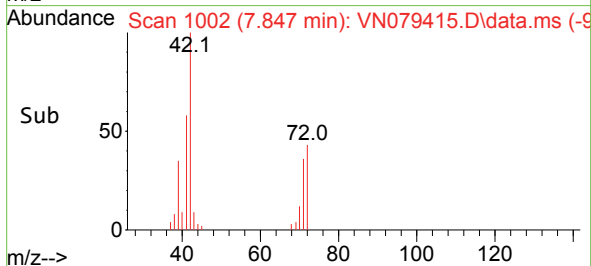
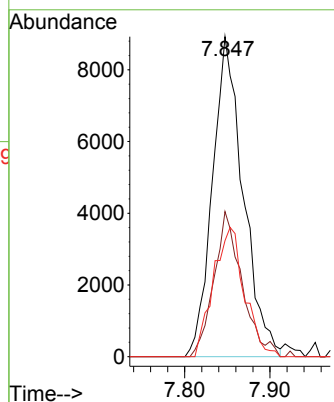
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	22304
Ion	Ratio	Lower	Upper
42	100		
72	41.6	49.8	74.6#
71	41.1	47.4	71.2#



#31

Cyclohexane

Concen: 1.381 ug/l

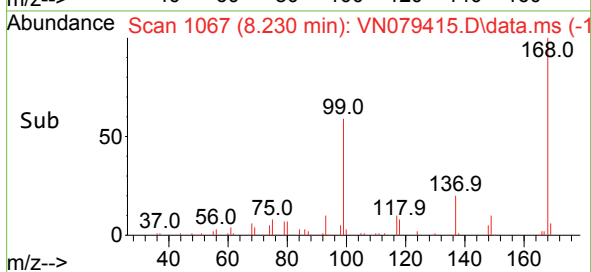
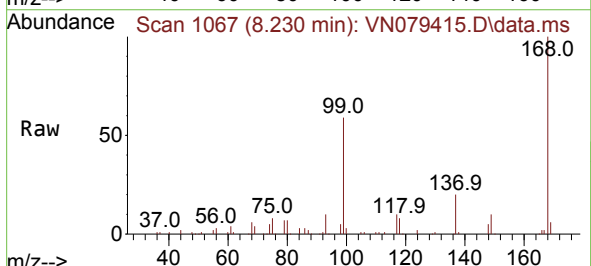
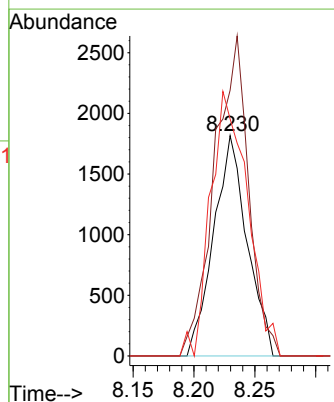
RT: 8.230 min Scan# 1067

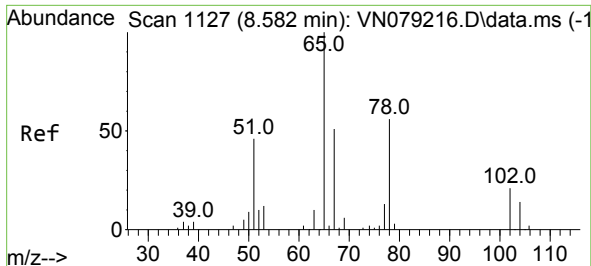
Delta R.T. -0.035 min

Lab File: VN079415.D

Acq: 04 Oct 2023 20:00

Tgt Ion:	56	Resp:	3471
Ion	Ratio	Lower	Upper
56	100		
69	120.6	26.8	40.2#
84	107.5	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 65.801 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079415.D

Acq: 04 Oct 2023 20:00

Instrument :

MSVOA_N

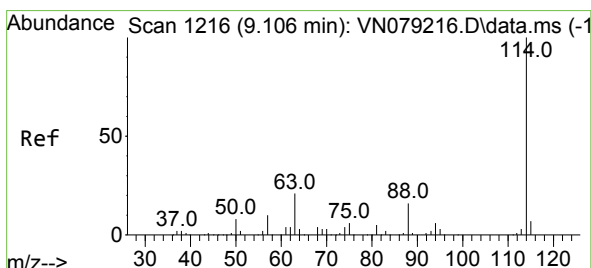
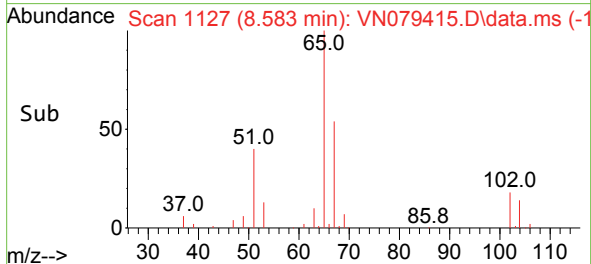
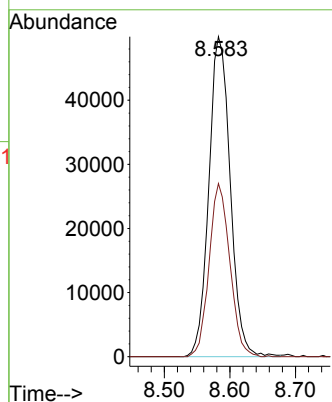
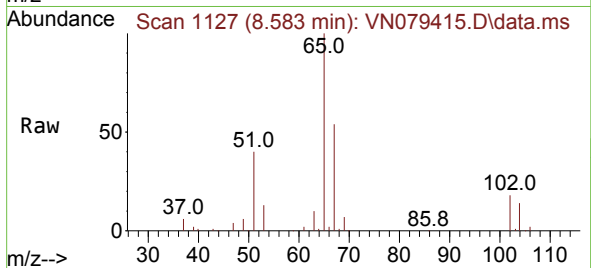
ClientSampleId :

Tgt Ion: 65 Resp: 113262

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079415.D

Acq: 04 Oct 2023 20:00

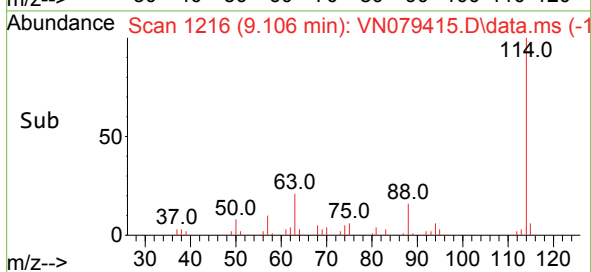
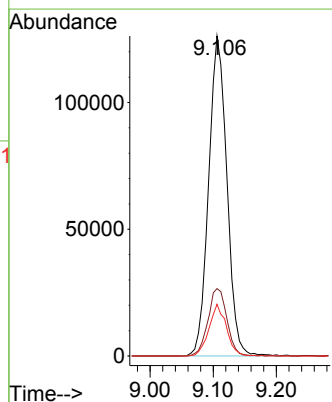
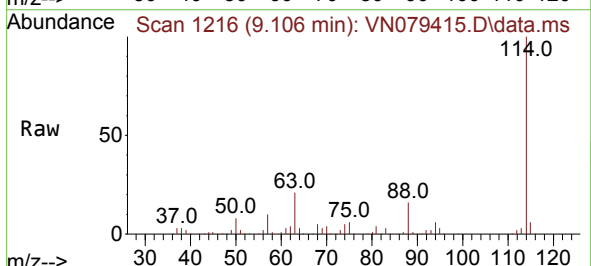
Tgt Ion:114 Resp: 253544

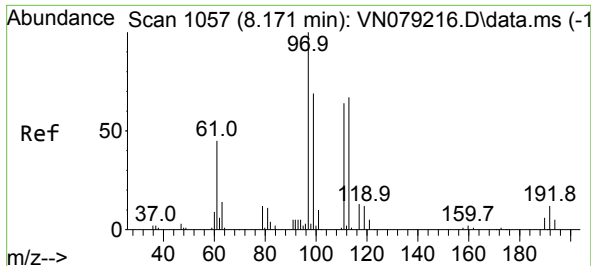
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

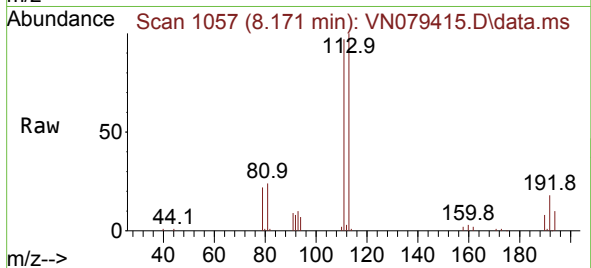
88 16.2 0.0 30.6



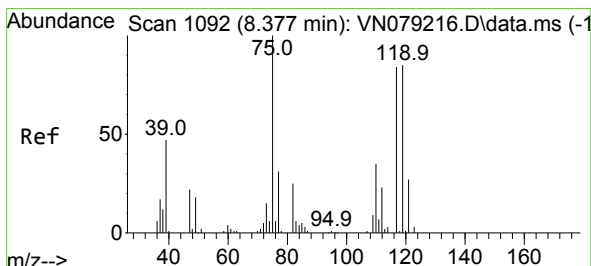
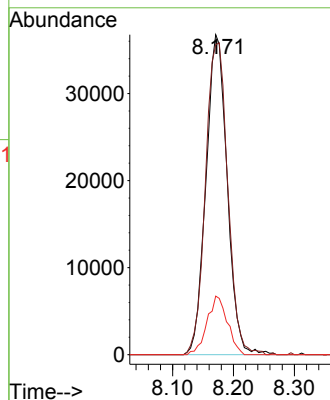
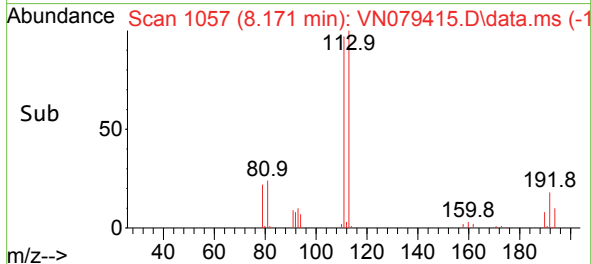


#35
Dibromofluoromethane
Concen: 52.637 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Instrument :
MSVOA_N
ClientSampleId :

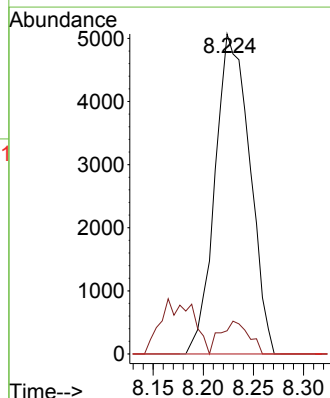
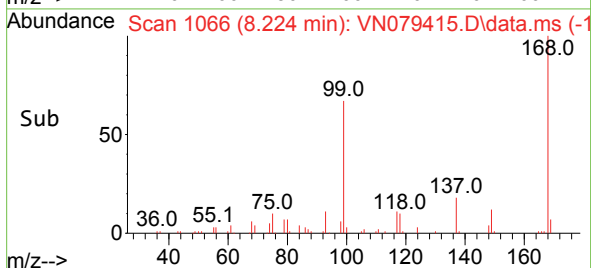
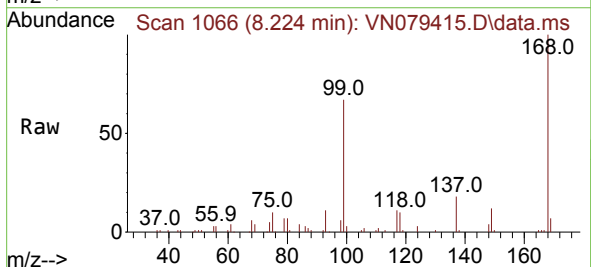


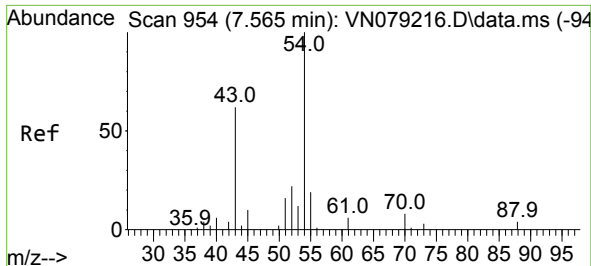
Tgt Ion:113 Resp: 88774
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 17.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

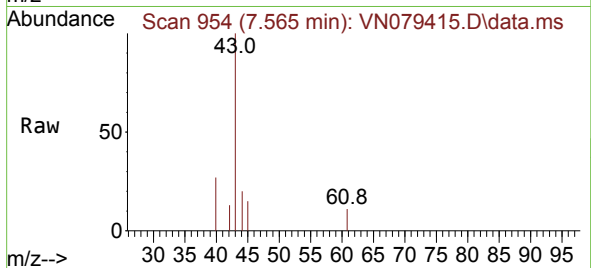
Tgt Ion: 75 Resp: 12192
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



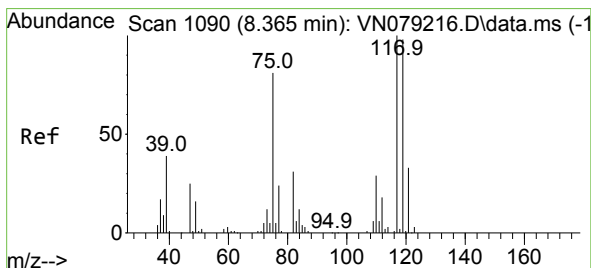
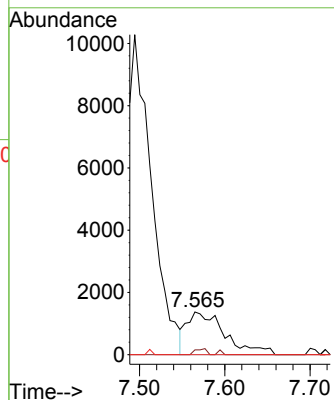
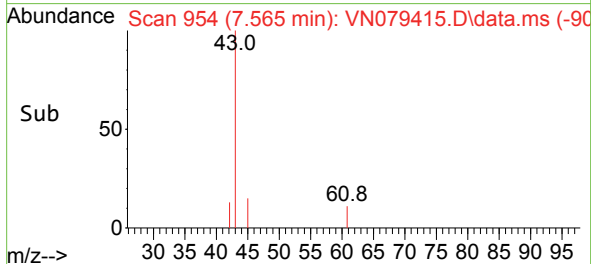


#37
Ethyl Acetate
Concen: 1.648 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Instrument :
MSVOA_N
ClientSampleId :

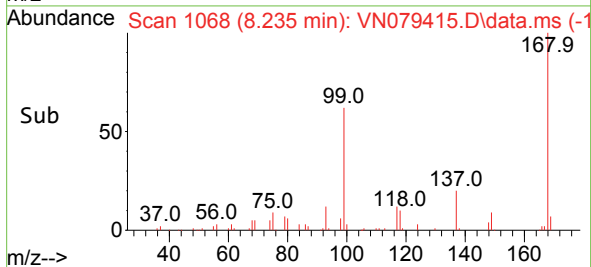
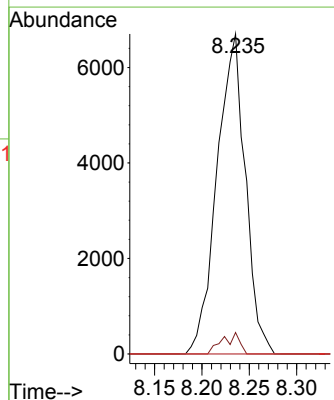
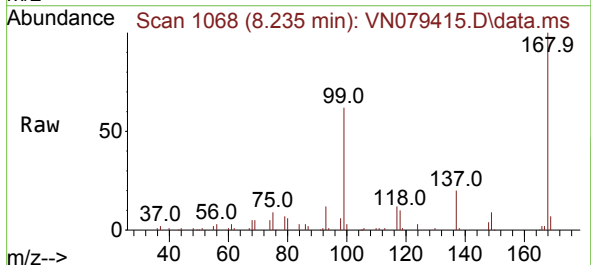


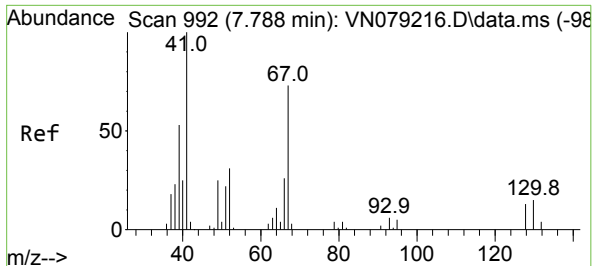
Tgt Ion: 43 Resp: 4274
Ion Ratio Lower Upper
43 100
61 4.2 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.189 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

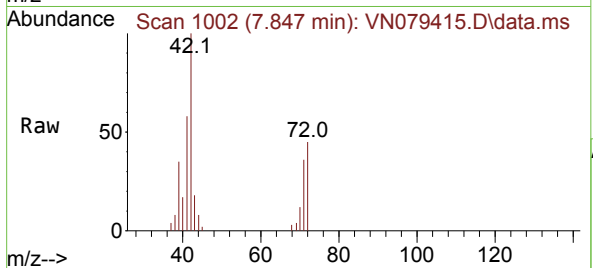
Tgt Ion: 117 Resp: 13960
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#



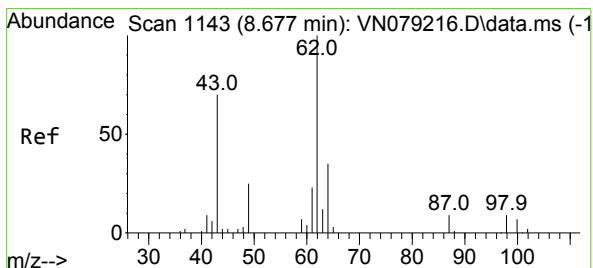
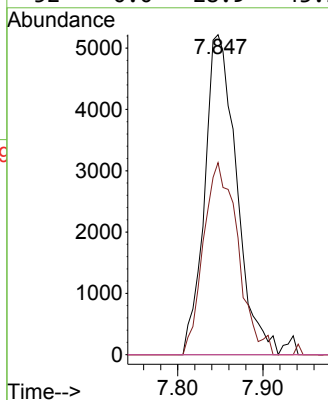
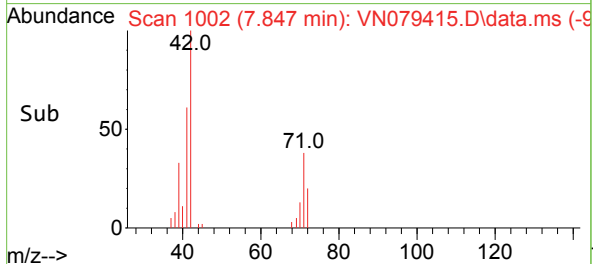


#41
Methacrylonitrile
Concen: 10.396 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.053 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

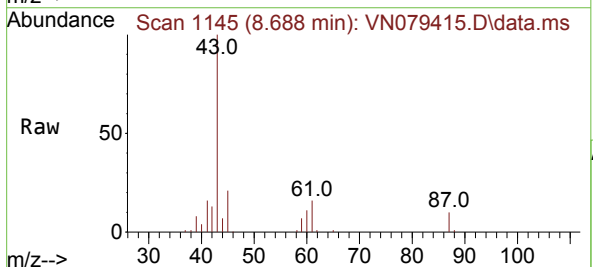
Instrument :
MSVOA_N
ClientSampleId :



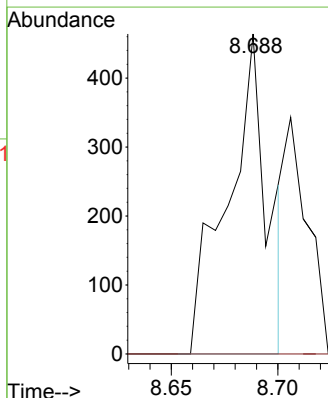
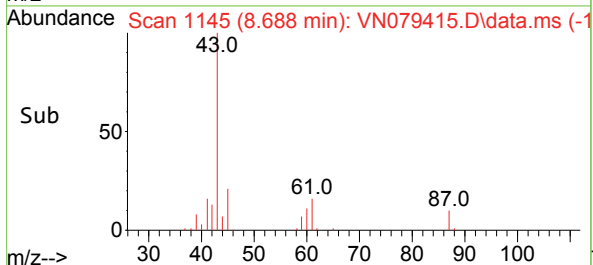
Tgt Ion: 41 Resp: 13591
Ion Ratio Lower Upper
41 100
39 64.6 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#

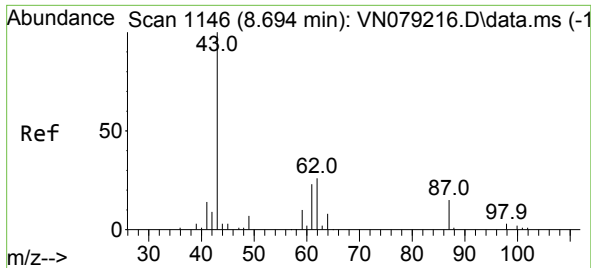


#42
1,2-Dichloroethane
Concen: 0.221 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.011 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00



Tgt Ion: 62 Resp: 605
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

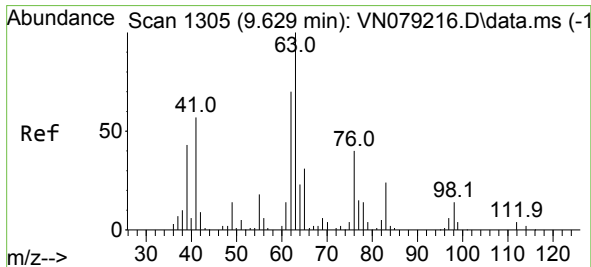
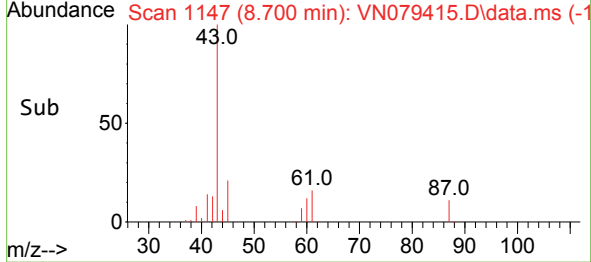
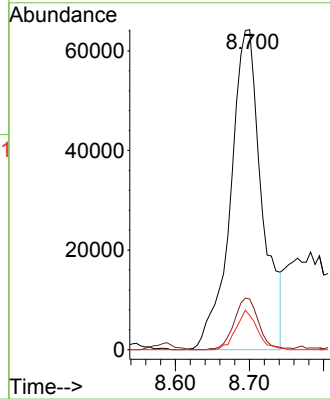
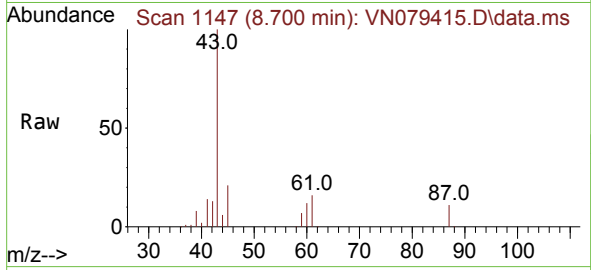




#43
Isopropyl Acetate
Concen: 44.686 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

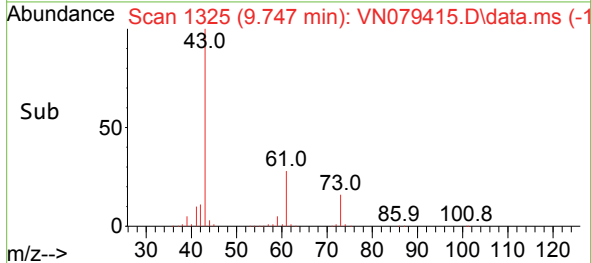
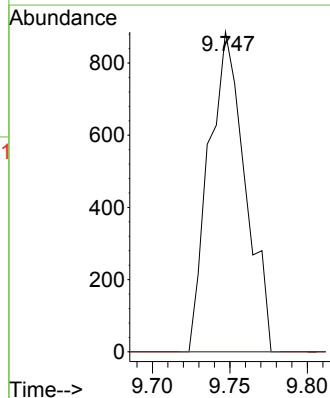
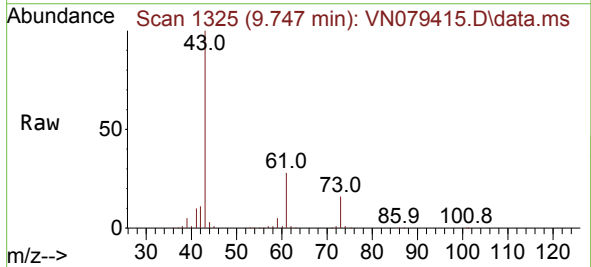
Instrument :
MSVOA_N
ClientSampleId :

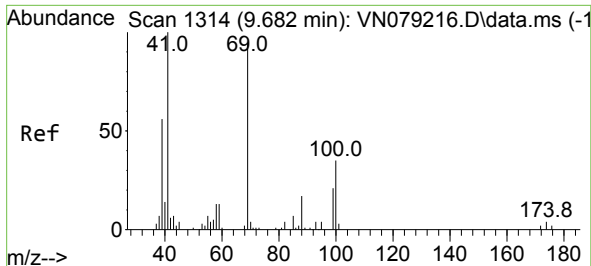
Tgt Ion: 43 Resp: 189056
Ion Ratio Lower Upper
43 100
61 12.7 24.7 37.1#
87 8.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.732 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

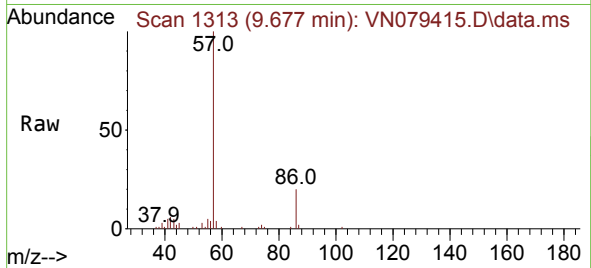
Tgt Ion: 63 Resp: 1446
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



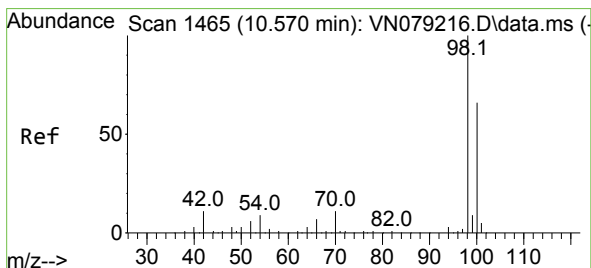
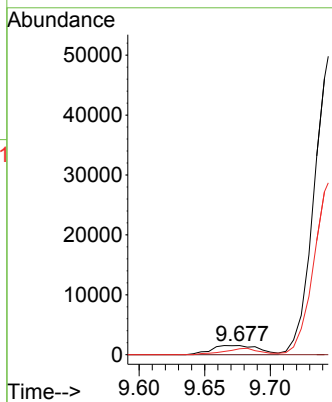
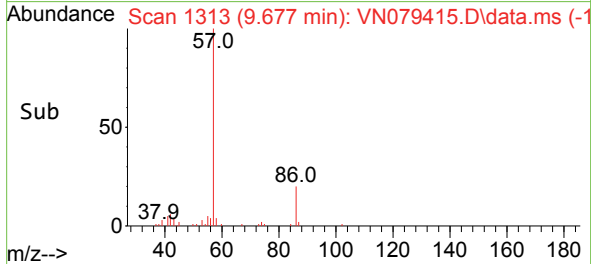


#48
Methyl methacrylate
Concen: 2.079 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Instrument :
MSVOA_N
ClientSampleId :

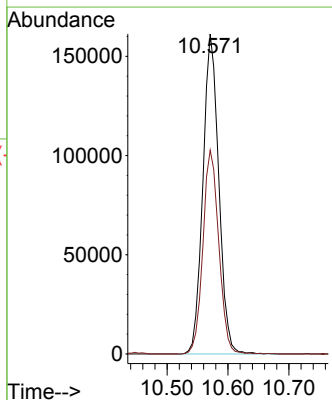
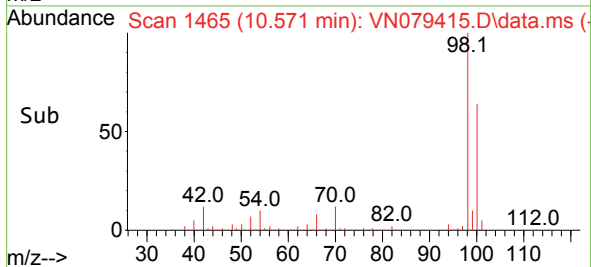
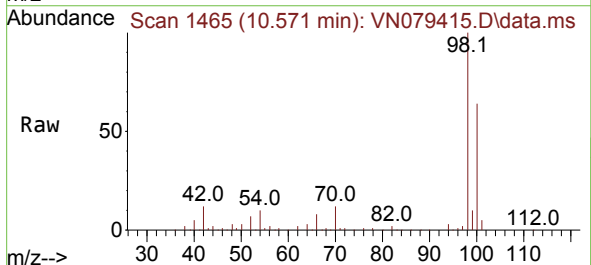


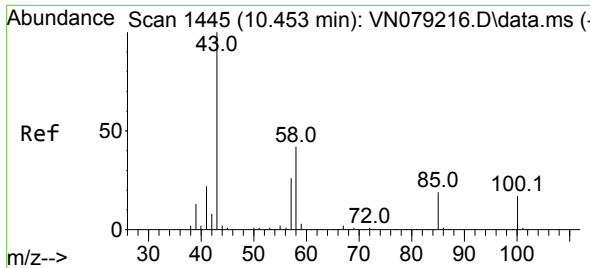
Tgt Ion: 41 Resp: 3940
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 49.0 54.6 81.8#



#50
Toluene-d8
Concen: 47.220 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Tgt Ion: 98 Resp: 292418
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

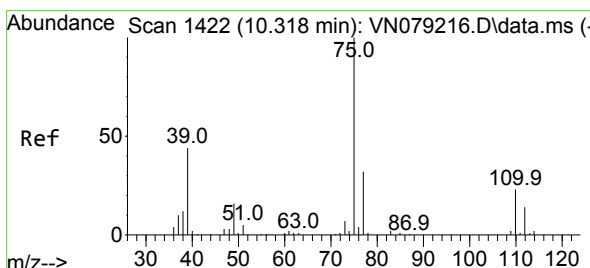
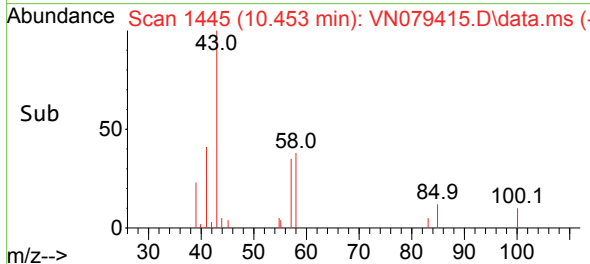
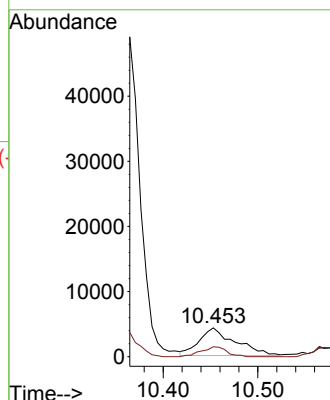
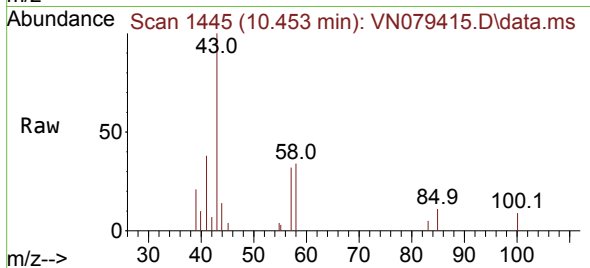




#51
4-Methyl-2-Pentanone
Concen: 4.597 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

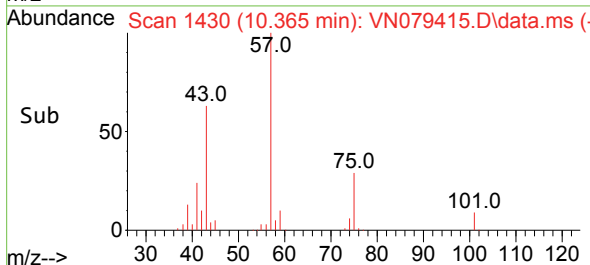
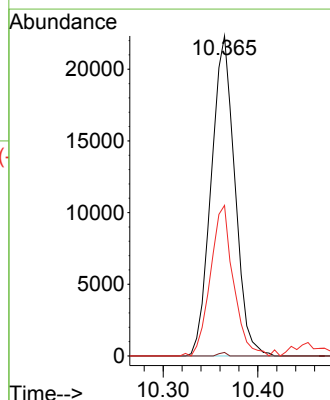
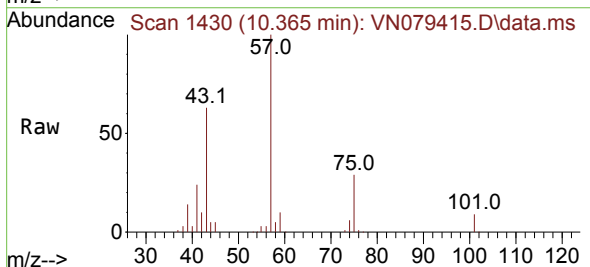
Instrument :
MSVOA_N
ClientSampleId :

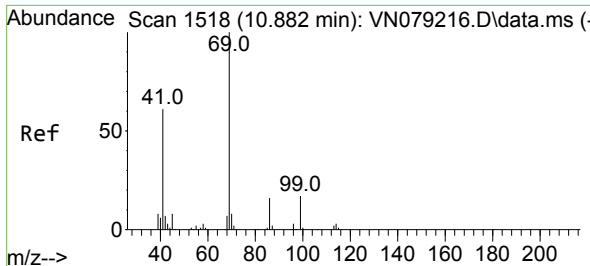
Tgt Ion: 43 Resp: 11290
Ion Ratio Lower Upper
43 100
58 25.2 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 12.486 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

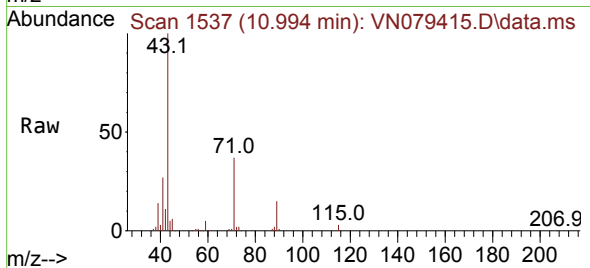
Tgt Ion: 75 Resp: 38669
Ion Ratio Lower Upper
75 100
77 1.1 26.1 39.1#
39 47.0 31.6 47.4



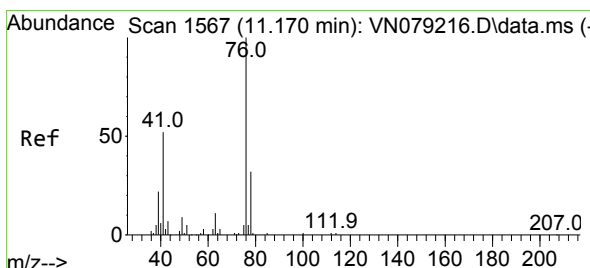
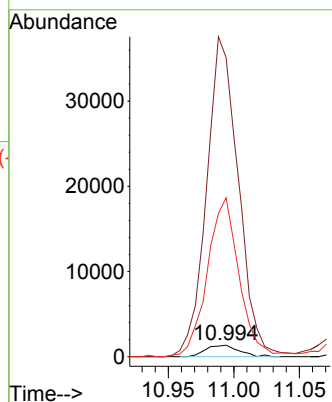
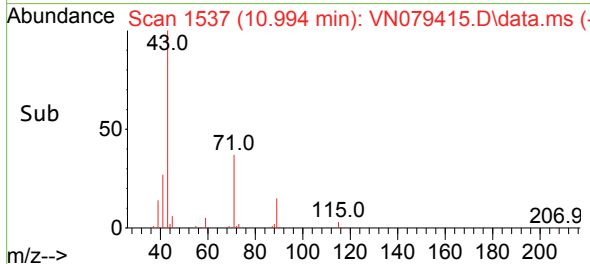


#56
Ethyl methacrylate
Concen: 0.870 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Instrument :
MSVOA_N
ClientSampleId :

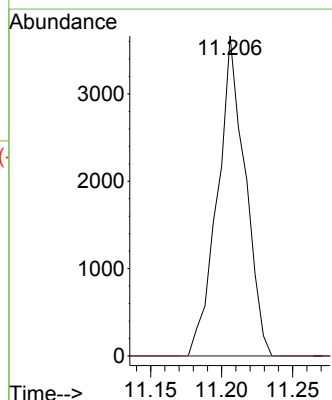
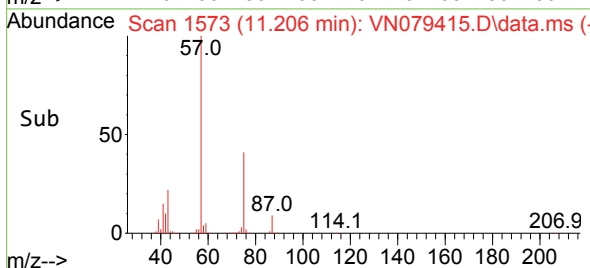
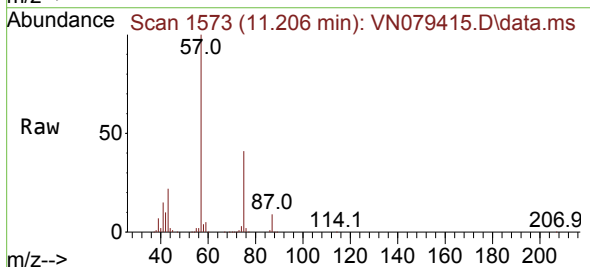


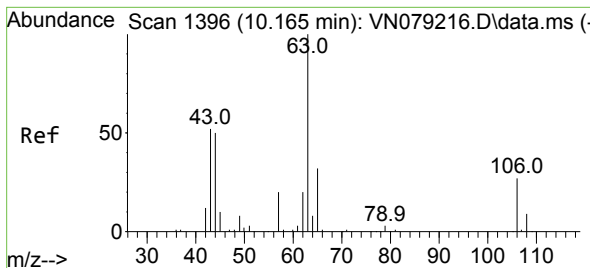
Tgt Ion: 69 Resp: 2356
Ion Ratio Lower Upper
69 100
41 2695.3 39.6 59.4#
39 1340.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.496 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Tgt Ion: 76 Resp: 4962
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

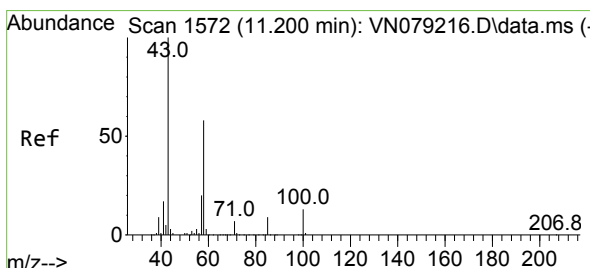
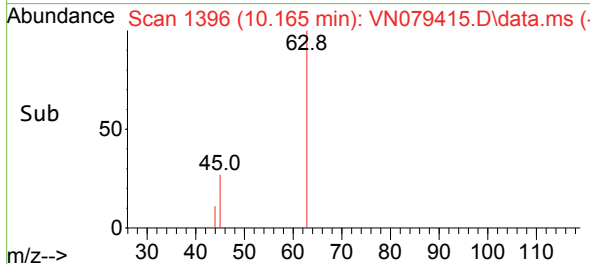
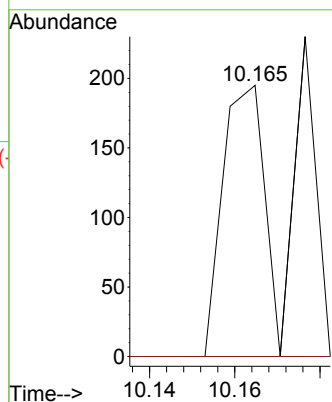
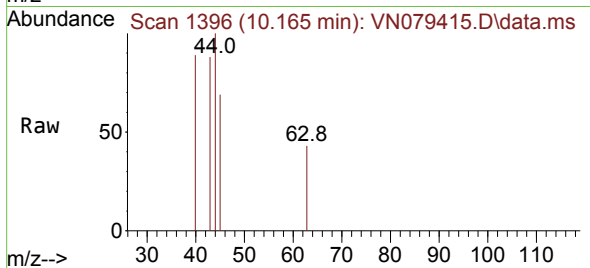




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

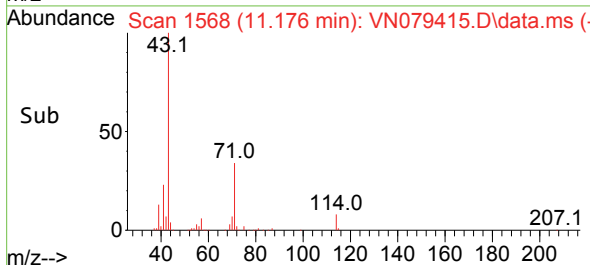
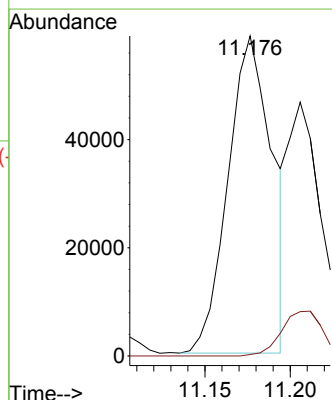
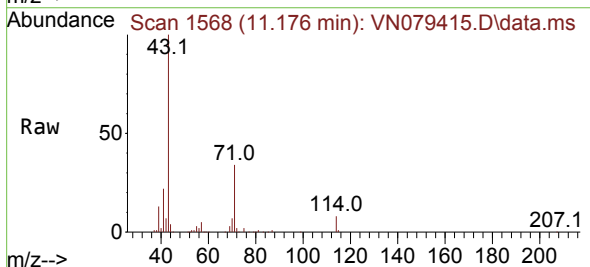
Instrument :
MSVOA_N
ClientSampleId :

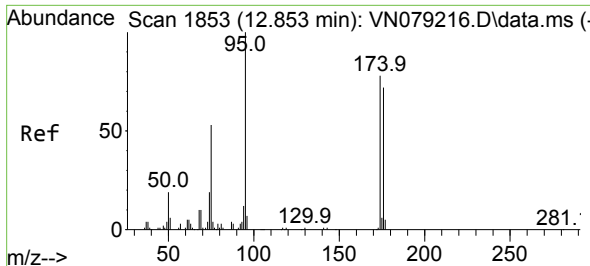
Tgt Ion: 63 Resp: 132
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 59.151 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Tgt Ion: 43 Resp: 105217
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

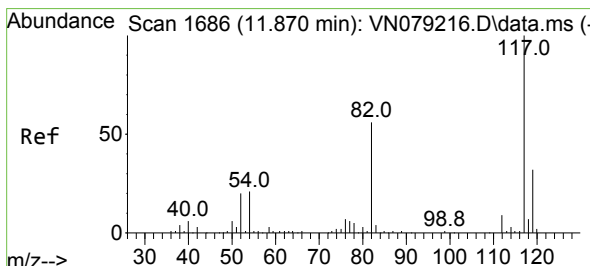
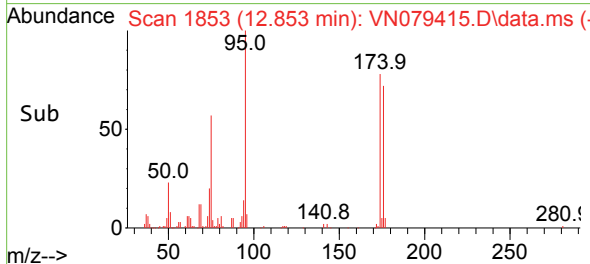
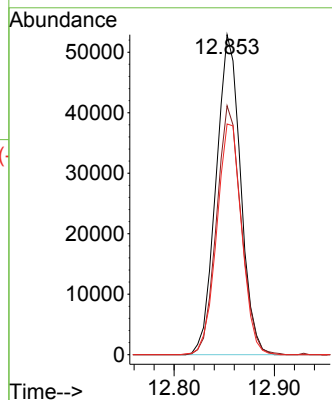
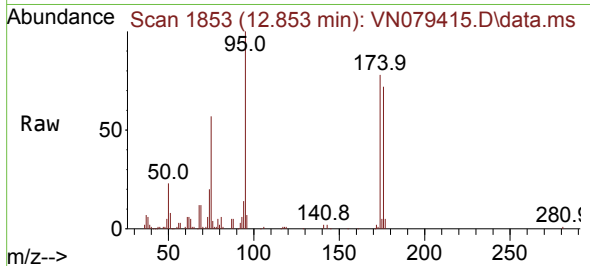




#62
4-Bromofluorobenzene
Concen: 45.426 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

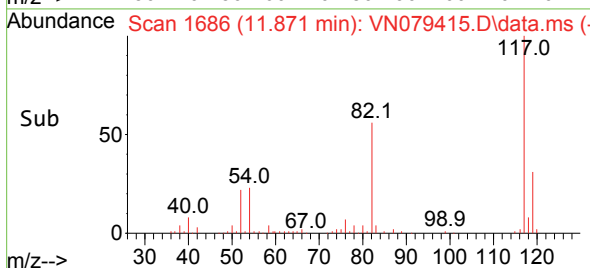
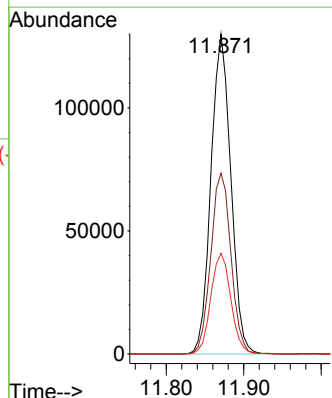
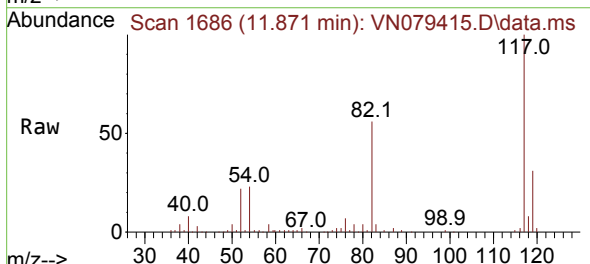
Instrument :
MSVOA_N
ClientSampleId :

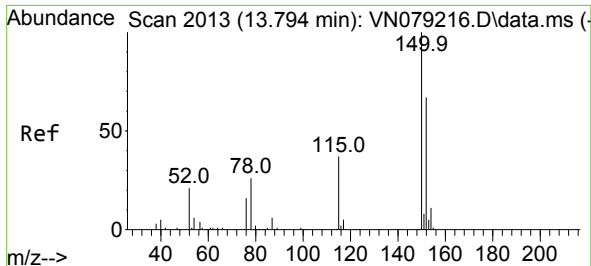
Tgt Ion: 95 Resp: 89732
Ion Ratio Lower Upper
95 100
174 78.2 0.0 143.8
176 73.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

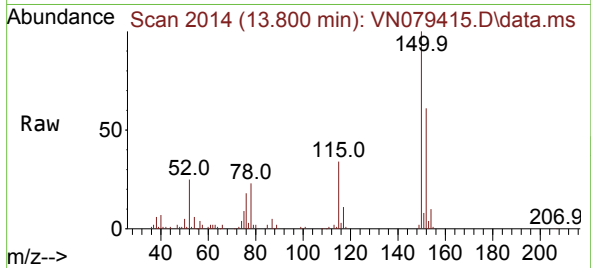
Tgt Ion: 117 Resp: 231300
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 31.5 25.6 38.4



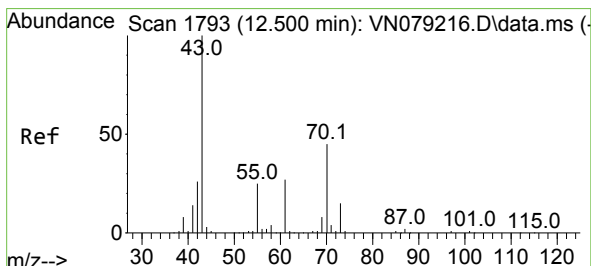
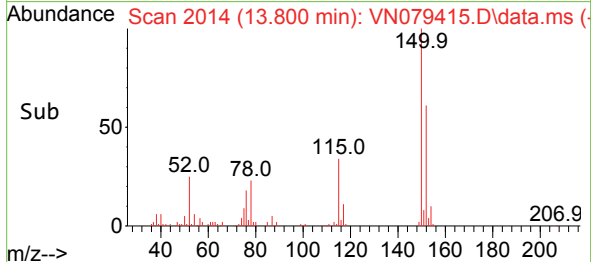
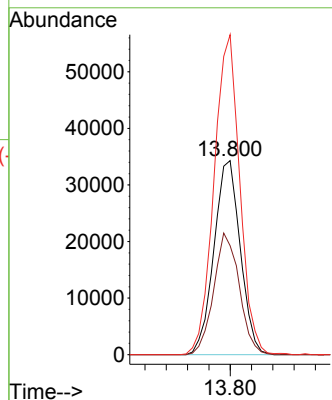


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN079415.D
 Acq: 04 Oct 2023 20:00

Instrument :
 MSVOA_N
 ClientSampleId :

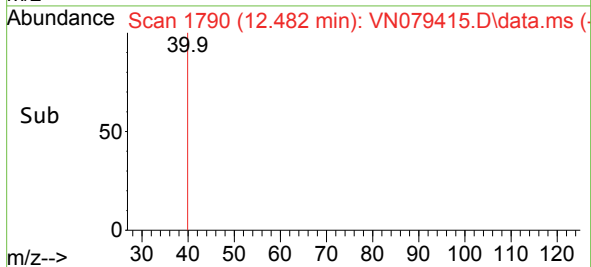
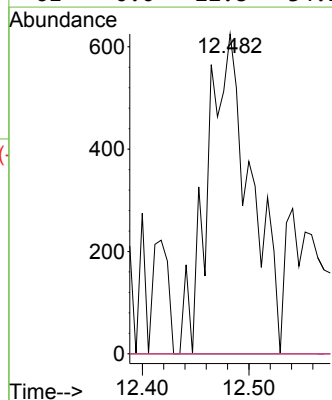
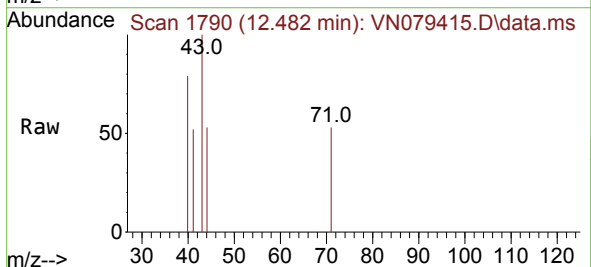


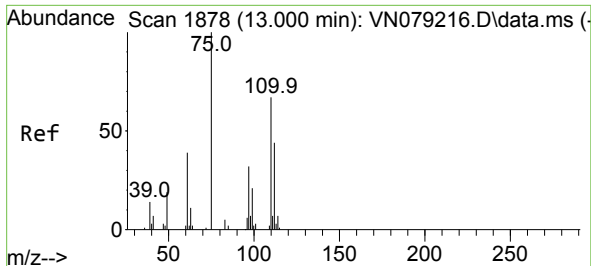
Tgt Ion:152 Resp: 58889
 Ion Ratio Lower Upper
 152 100
 115 60.7 32.3 96.8
 150 160.9 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.869 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.018 min
 Lab File: VN079415.D
 Acq: 04 Oct 2023 20:00

Tgt Ion: 43 Resp: 1767
 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#

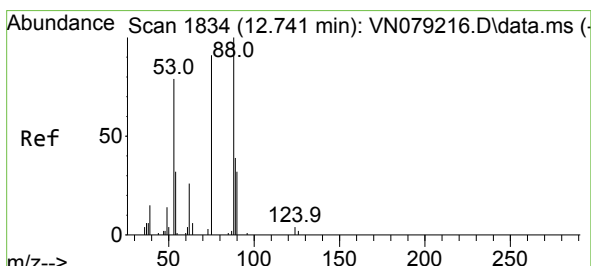
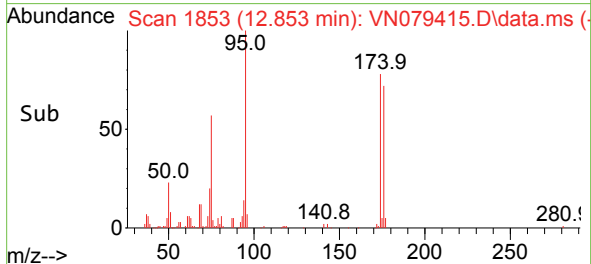
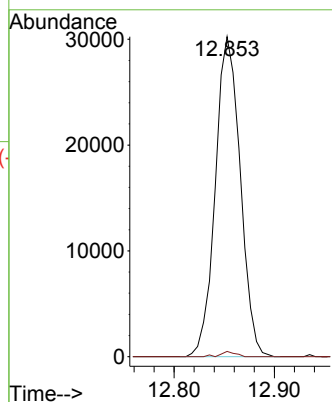
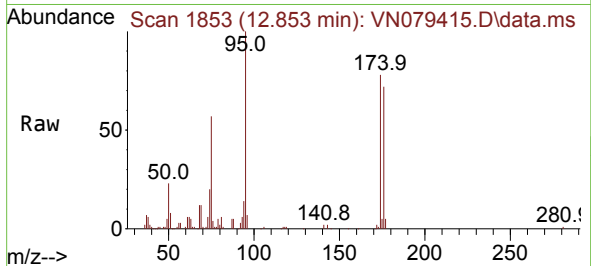




#76
1,2,3-Trichloropropane
Concen: 32.918 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 52246
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.500 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079415.D
Acq: 04 Oct 2023 20:00

Tgt Ion: 75 Resp: 52246
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

