

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078413.D
 Acq On : 27 Jun 2023 12:23
 Operator : JC\MD
 Sample : VN0627WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBL01

Quant Time: Jun 28 07:07:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

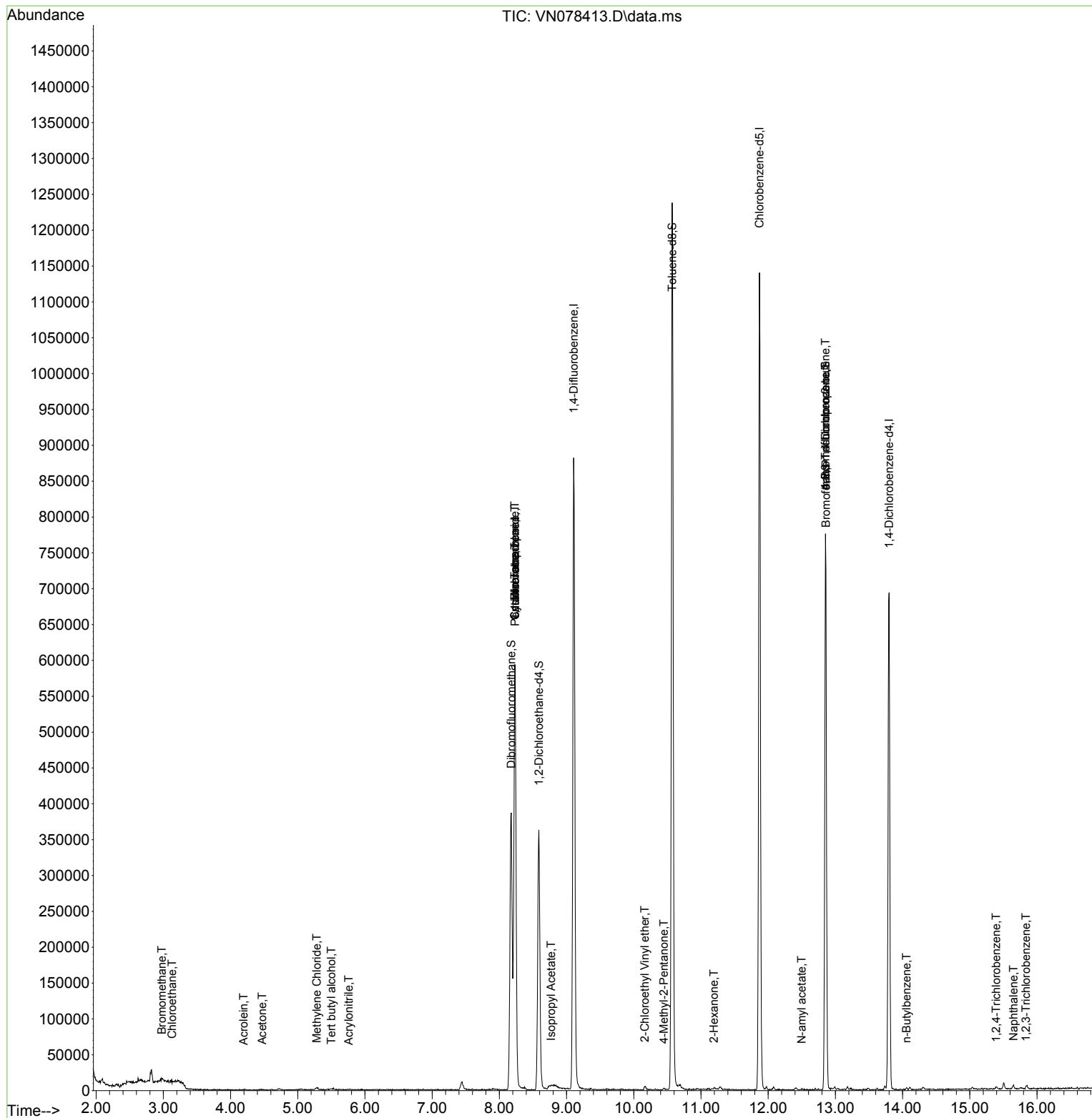
Internal Standards						
1) Pentafluorobenzene	8.235	168	431321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	787680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	691374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	196054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	299608	52.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.200%			
35) Dibromofluoromethane	8.177	113	278572	55.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.860%			
50) Toluene-d8	10.570	98	910163	47.404	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.800%			
62) 4-Bromofluorobenzene	12.853	95	273654	45.847	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.700%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1358	Below Cal		97
5) Bromomethane	2.977	94	4417	0.915	ug/l	92
6) Chloroethane	3.130	64	1111	0.255	ug/l #	43
11) Tert butyl alcohol	5.500	59	715	0.900	ug/l #	72
13) Acrolein	4.194	56	244	0.279	ug/l #	16
15) Acrylonitrile	5.759	53	420	0.205	ug/l #	42
16) Acetone	4.471	43	1562	0.944	ug/l #	40
20) Methylene Chloride	5.283	84	1530	0.280	ug/l #	79
31) Cyclohexane	8.229	56	10068	1.365	ug/l #	35
36) 1,1-Dichloropropene	8.229	75	35638	4.989	ug/l #	48
38) Carbon Tetrachloride	8.229	117	46554	6.172	ug/l #	15
43) Isopropyl Acetate	8.771	43	6765	0.634	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	1579	0.281	ug/l #	54
58) 2-Chloroethyl Vinyl ether	10.165	63	2180	0.728	ug/l #	88
59) 2-Hexanone	11.194	43	2137	0.546	ug/l #	19
71) Bromoform	12.859	173	2313	0.658	ug/l #	1
74) N-amyl acetate	12.500	43	1235	0.202	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.953	83	669	Below Cal	#	69
76) 1,2,3-Trichloropropane	12.853	75	144318	31.138	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	144318	95.666	ug/l #	15
89) n-Butylbenzene	14.059	91	2240	0.205	ug/l #	80
93) 1,2,4-Trichlorobenzene	15.394	180	1272	0.502	ug/l #	77
94) Hexachlorobutadiene	15.505	225	1694	Below Cal		81
95) Naphthalene	15.653	128	4500	0.528	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.835	180	1689	0.596	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
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Acq On : 27 Jun 2023 12:23
Operator : JC\MD
Sample : VN0627WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

Quant Time: Jun 28 07:07:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration

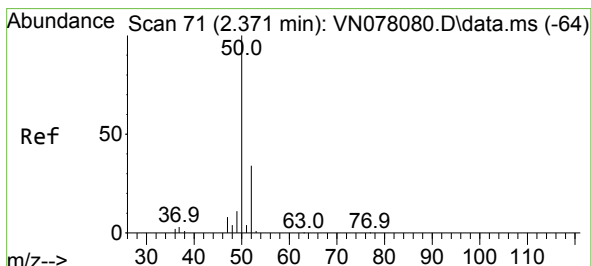
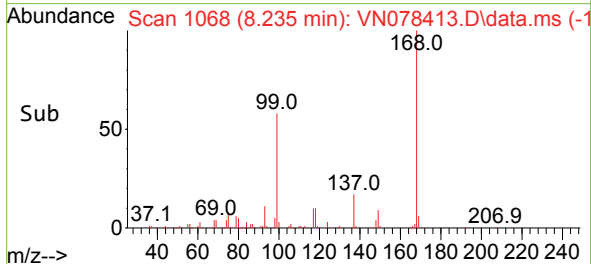
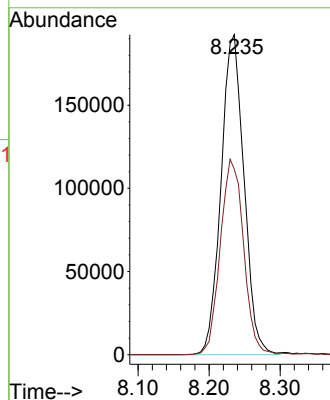
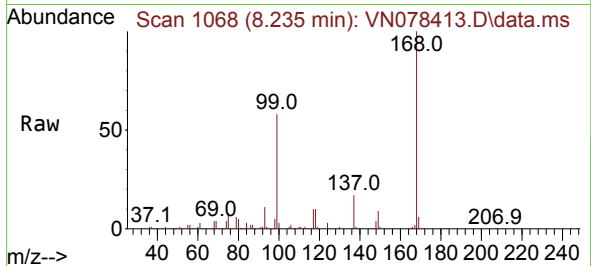




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

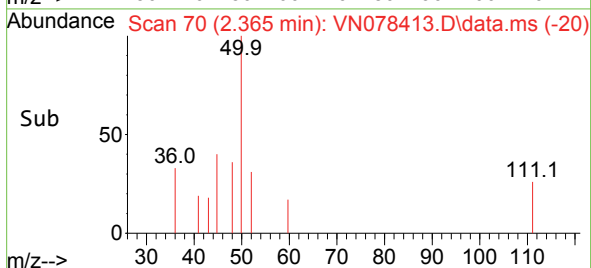
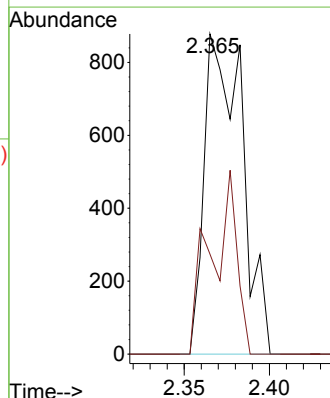
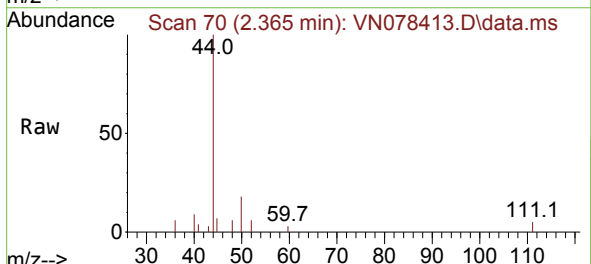
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

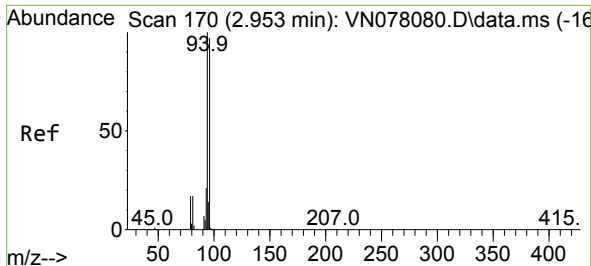
Tgt Ion:168 Resp: 431321
Ion Ratio Lower Upper
168 100
99 58.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 50 Resp: 1358
Ion Ratio Lower Upper
50 100
52 31.2 26.5 39.7

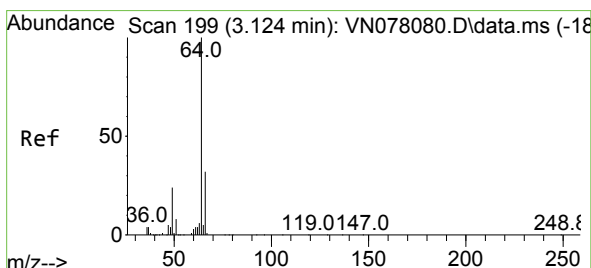
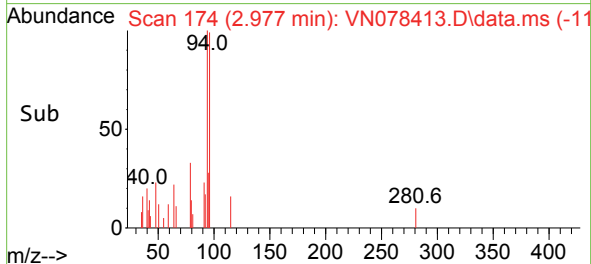
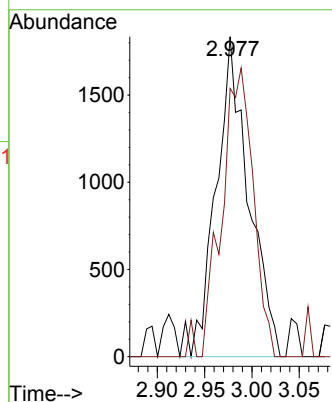
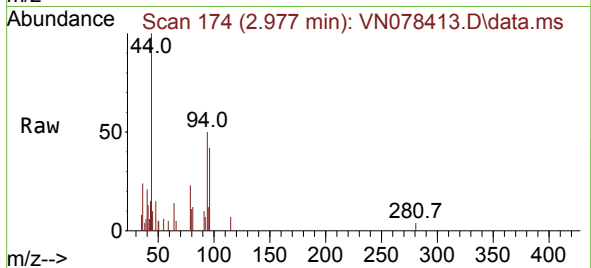




#5
Bromomethane
Concen: 0.915 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

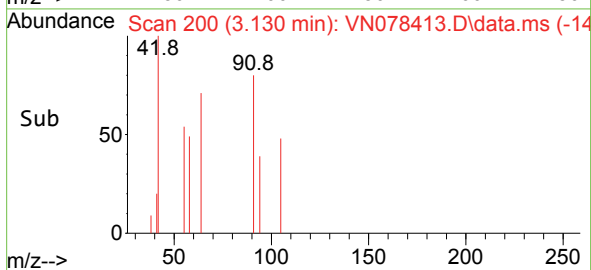
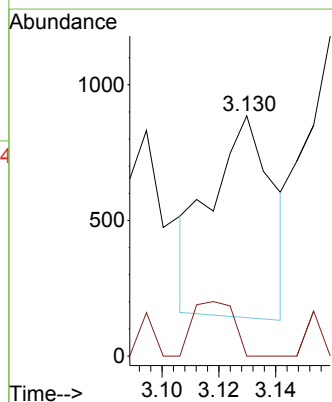
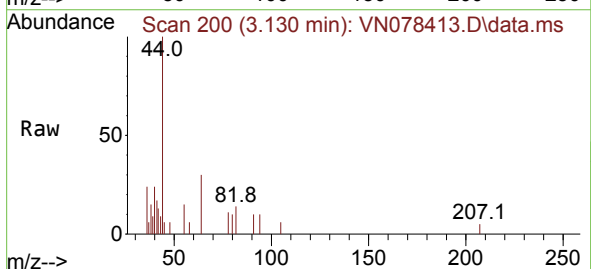
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

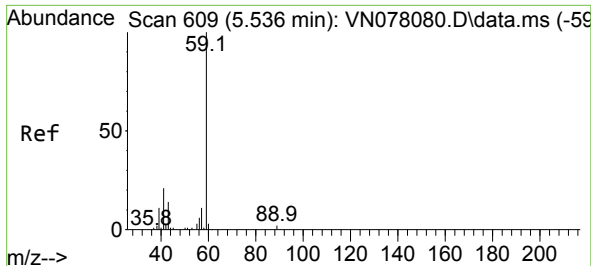
Tgt Ion: 94 Resp: 4417
Ion Ratio Lower Upper
94 100
96 83.8 73.1 109.7



#6
Chloroethane
Concen: 0.255 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 64 Resp: 1111
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

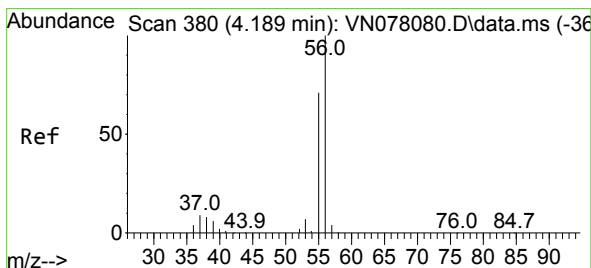
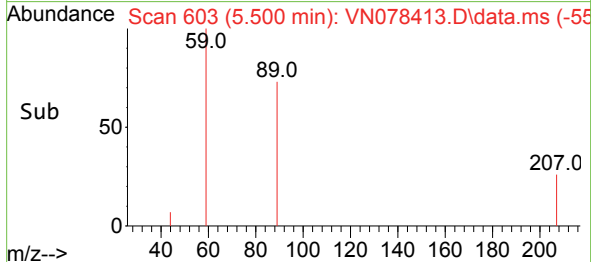
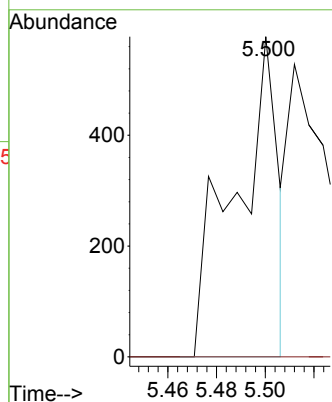
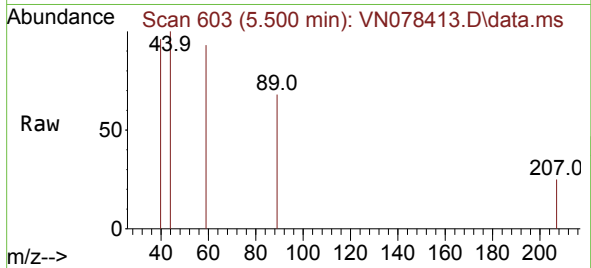




#11
Tert butyl alcohol
Concen: 0.900 ug/l
RT: 5.500 min Scan# 609
Delta R.T. -0.035 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

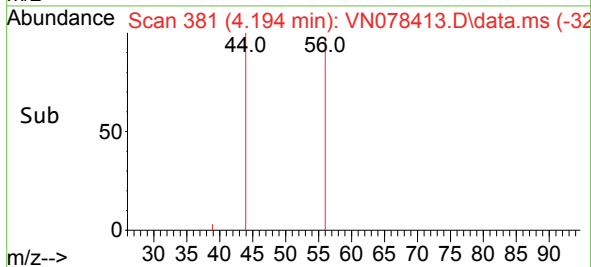
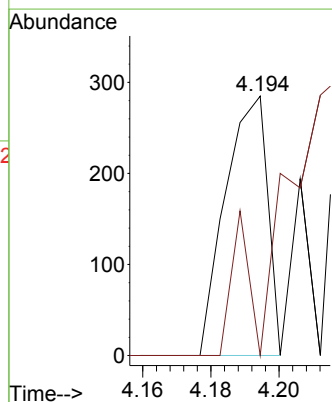
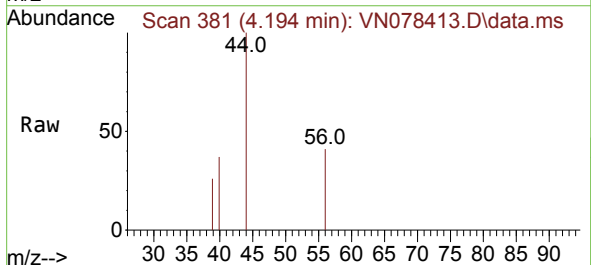
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

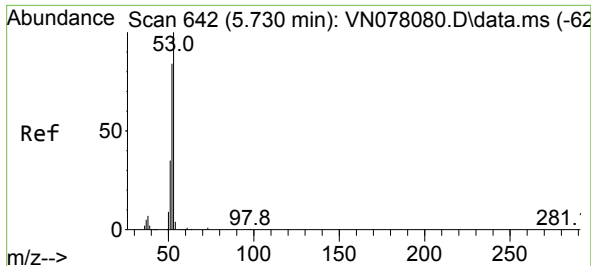
Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.279 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 56 Resp: 244
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

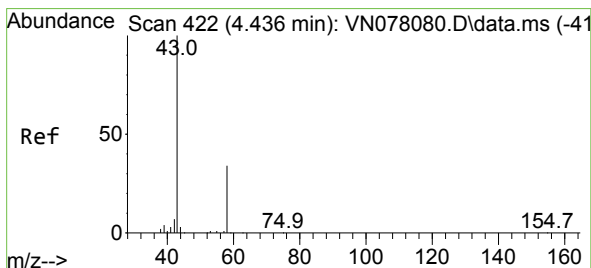
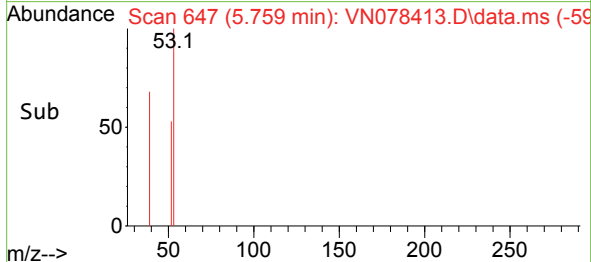
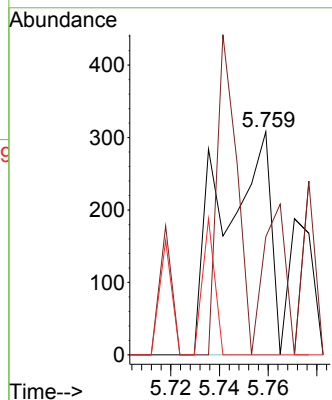
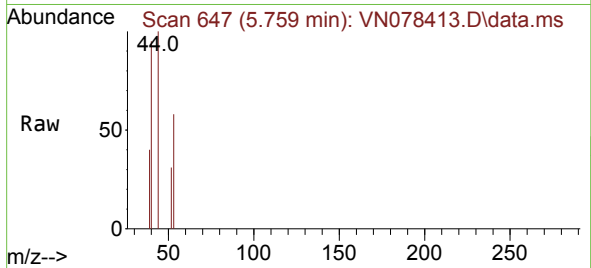




#15
Acrylonitrile
Concen: 0.205 ug/l
RT: 5.759 min Scan# 642
Delta R.T. 0.029 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

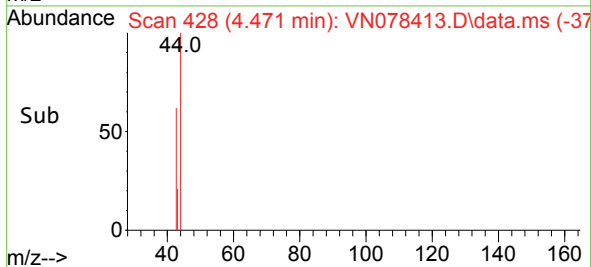
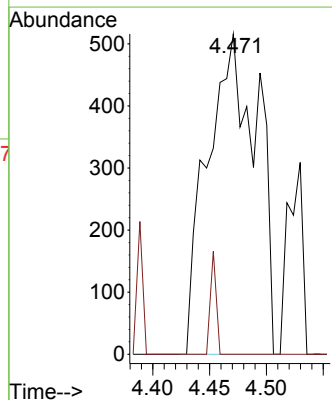
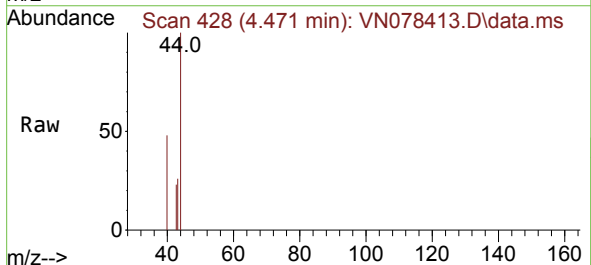
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

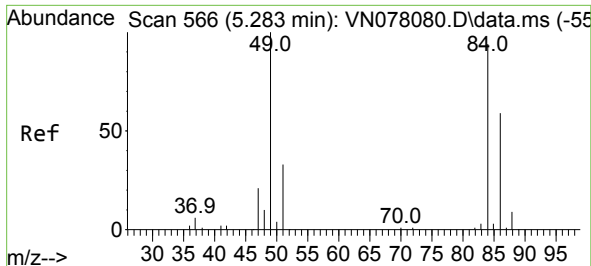
Tgt Ion: 53 Resp: 420
Ion Ratio Lower Upper
53 100
52 31.2 65.3 97.9#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.944 ug/l
RT: 4.471 min Scan# 428
Delta R.T. 0.035 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

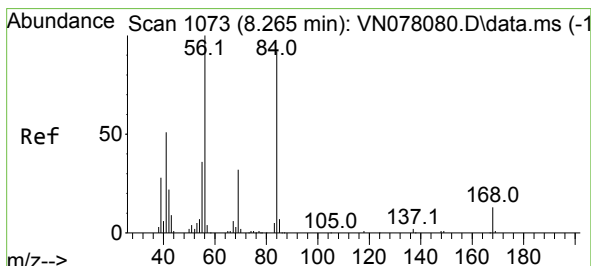
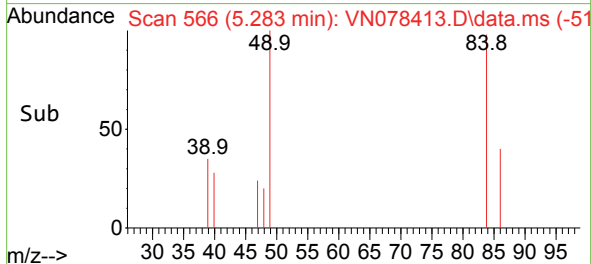
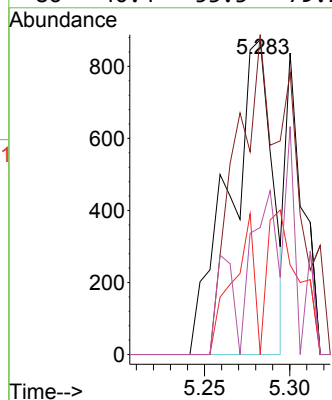
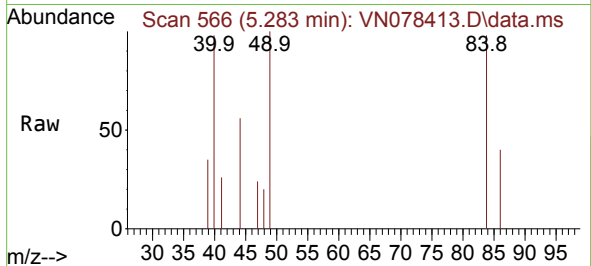




#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

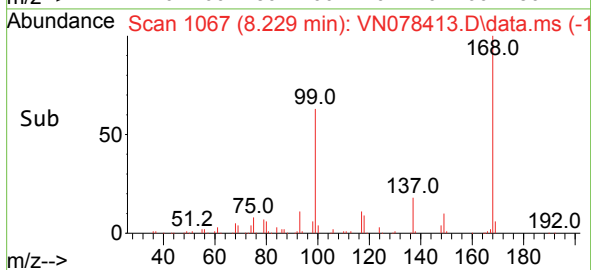
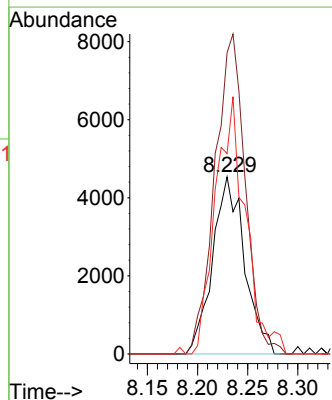
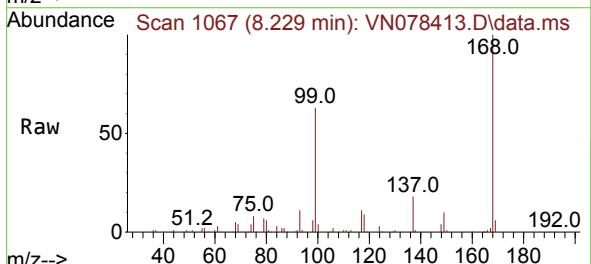
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

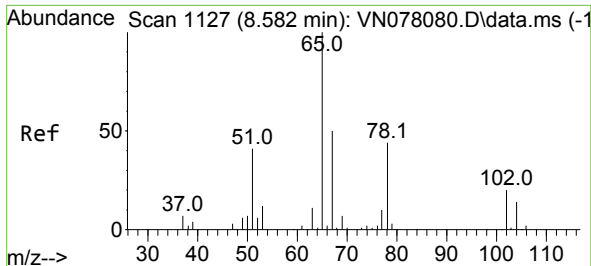
Tgt Ion: 84	Resp: 1530
Ion Ratio	Lower Upper
84 100	
49 101.6	79.7 119.5
51 0.0	25.2 37.8#
86 40.4	53.3 79.9#



#31
Cyclohexane
Concen: 1.365 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 56	Resp: 10068
Ion Ratio	Lower Upper
56 100	
69 170.1	26.8 40.2#
84 109.5	81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.098 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078413.D

Acq: 27 Jun 2023 12:23

Instrument :

MSVOA_N

ClientSampleId :

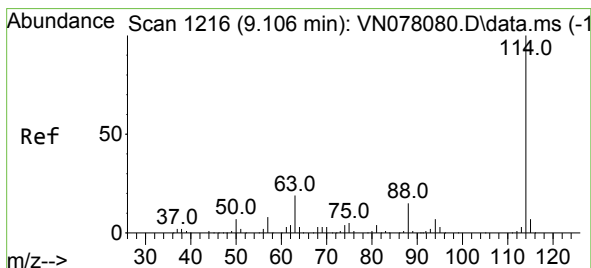
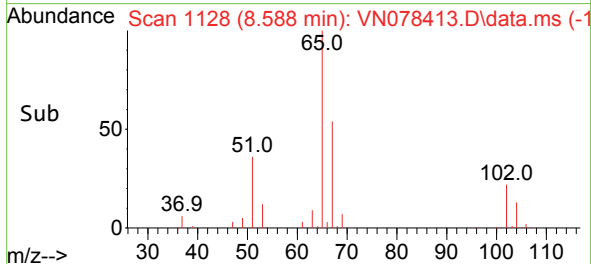
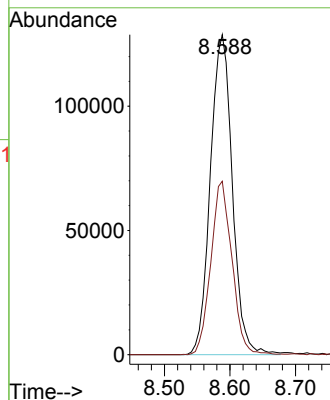
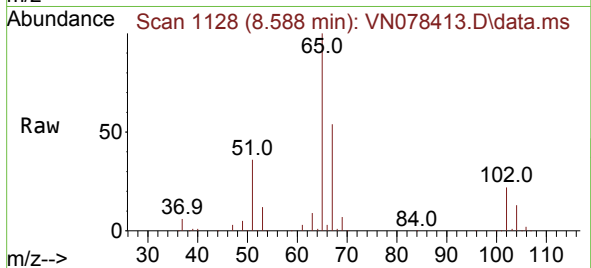
VN0627WBL01

Tgt Ion: 65 Resp: 299608

Ion Ratio Lower Upper

65 100

67 52.2 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: VN078413.D

Acq: 27 Jun 2023 12:23

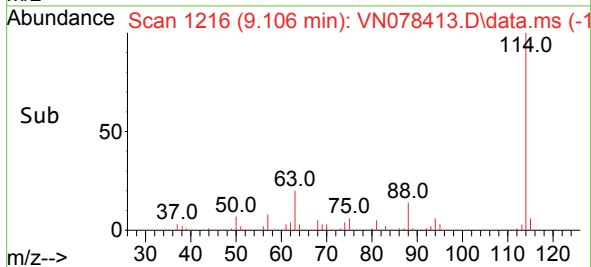
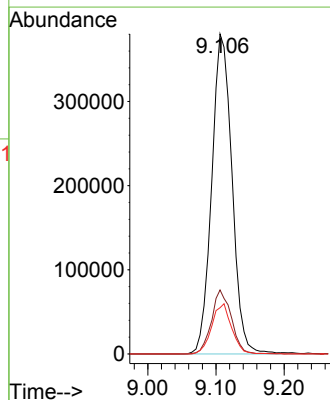
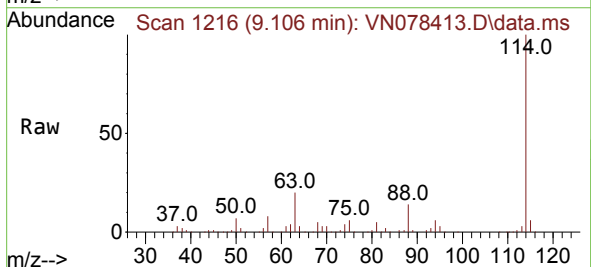
Tgt Ion: 114 Resp: 787680

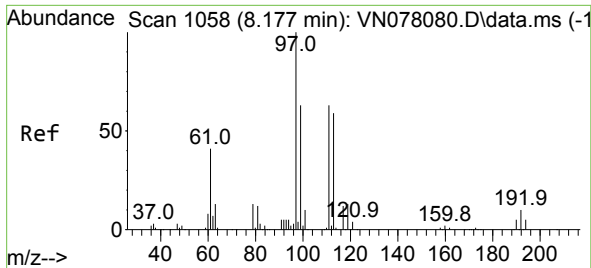
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 14.4 0.0 30.6

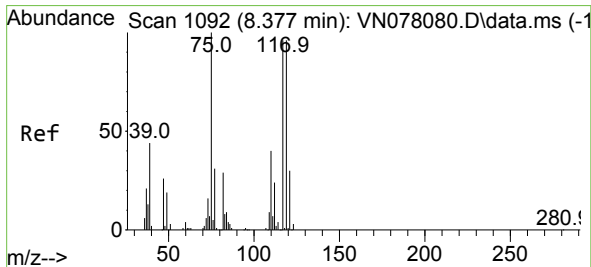
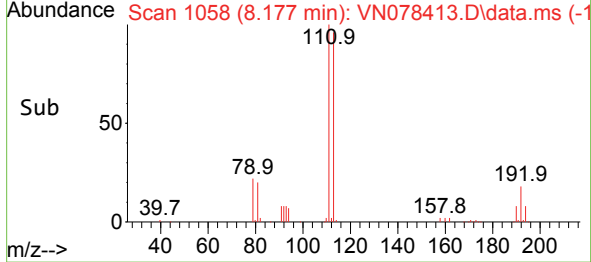
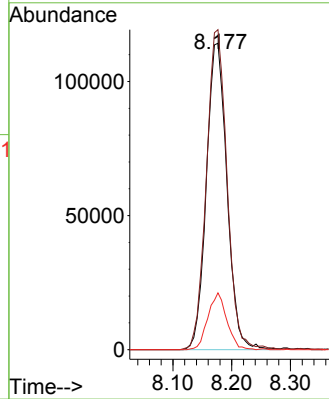
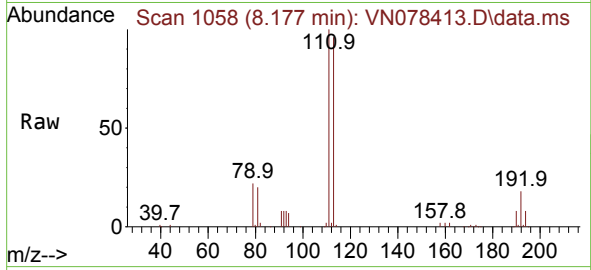




#35
 Dibromofluoromethane
 Concen: 55.934 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. -0.000 min
 Lab File: VN078413.D
 Acq: 27 Jun 2023 12:23

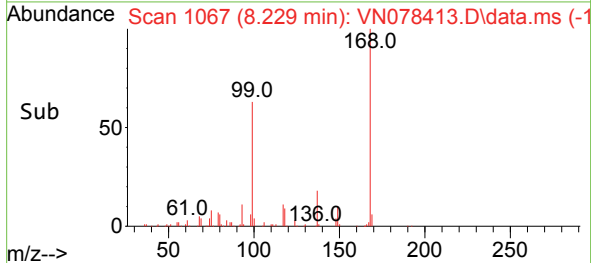
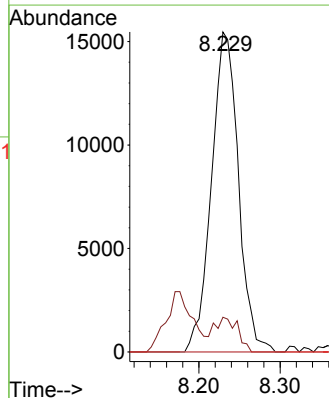
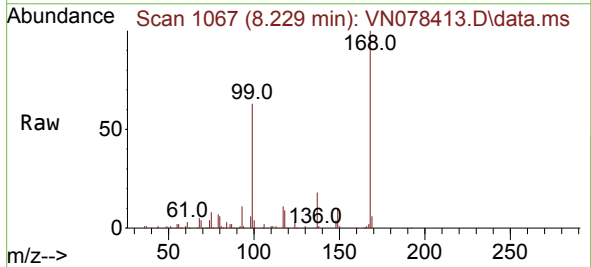
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBL01

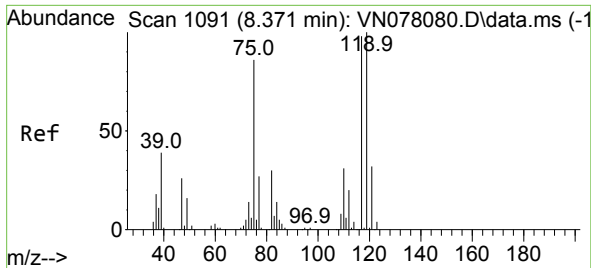
Tgt Ion:113 Resp: 278572
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.6 123.8
 192 17.0 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.989 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078413.D
 Acq: 27 Jun 2023 12:23

Tgt Ion: 75 Resp: 35638
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.1 57.3#
 77 0.0 25.0 37.4#

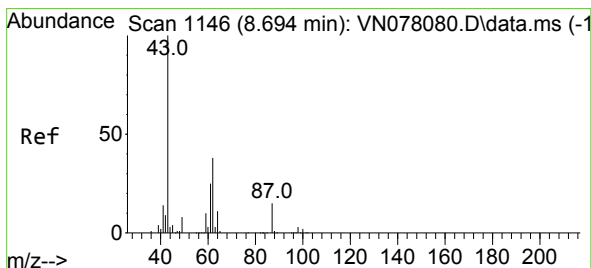
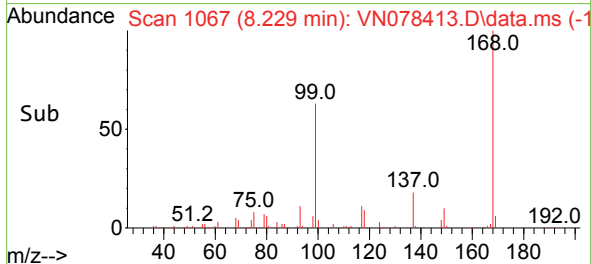
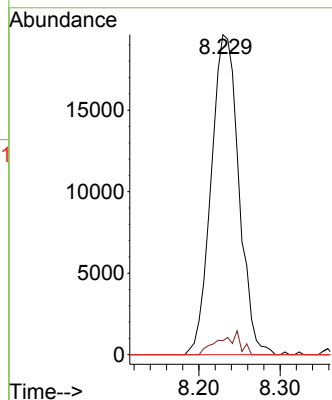
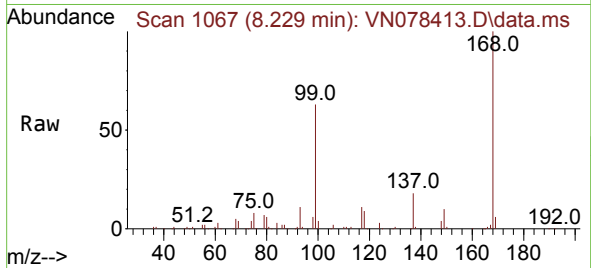




#38
Carbon Tetrachloride
Concen: 6.172 ug/l
RT: 8.229 min Scan# 1159
Delta R.T. -0.141 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

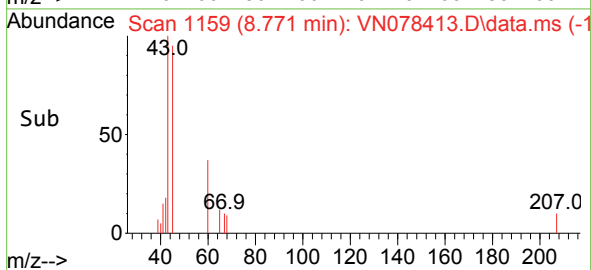
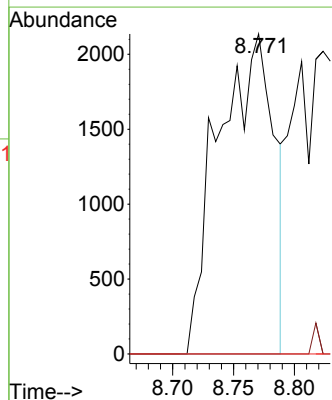
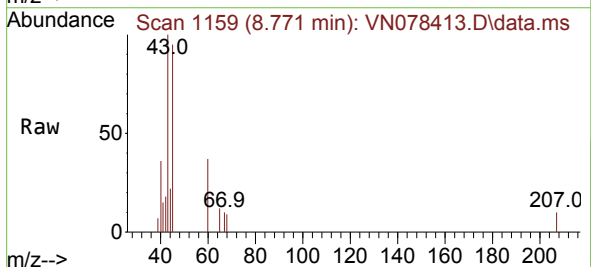
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

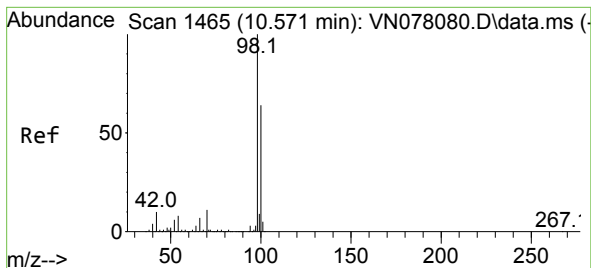
Tgt Ion:117 Resp: 46554
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.634 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.076 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 43 Resp: 6765
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 47.404 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078413.D

Acq: 27 Jun 2023 12:23

Instrument :

MSVOA_N

ClientSampleId :

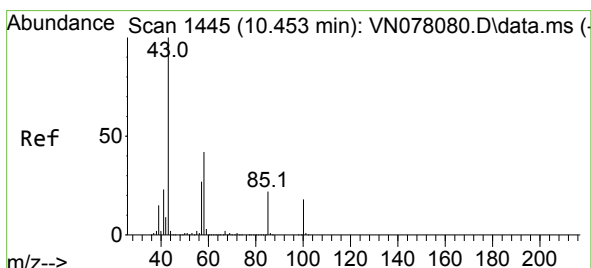
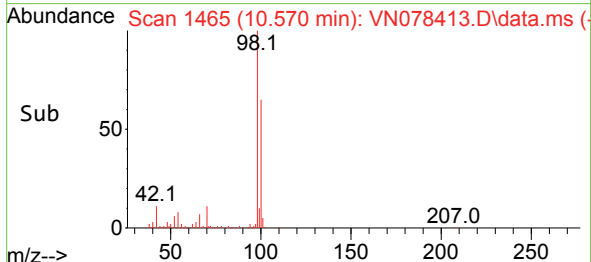
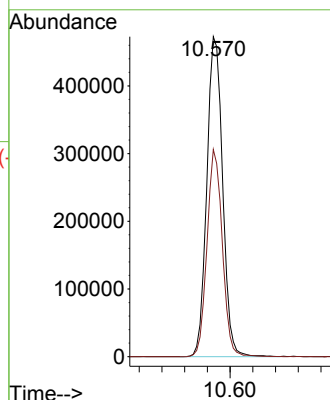
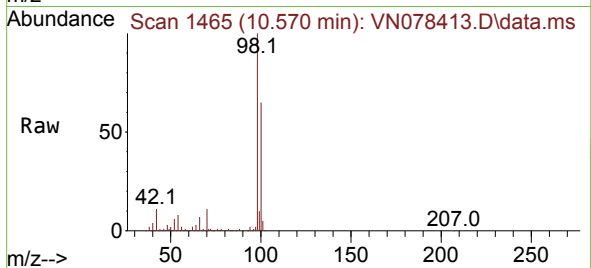
VN0627WBL01

Tgt Ion: 98 Resp: 910163

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.281 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VN078413.D

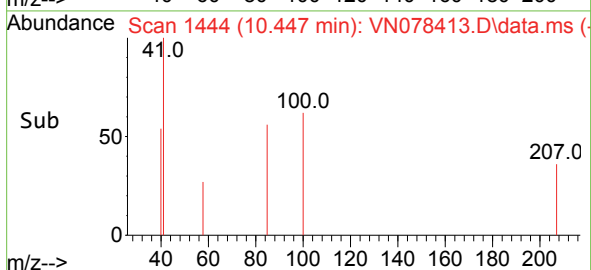
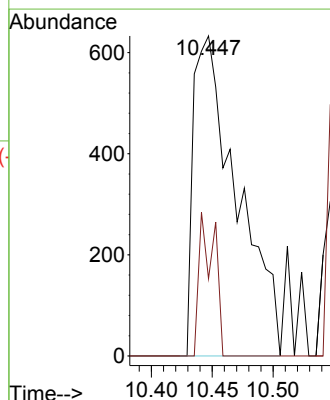
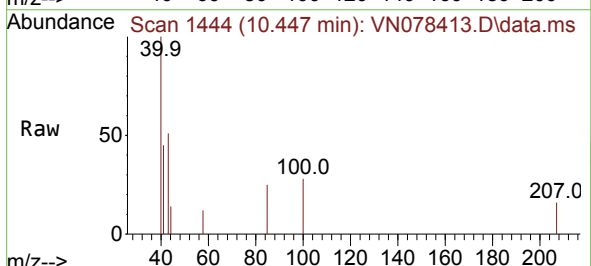
Acq: 27 Jun 2023 12:23

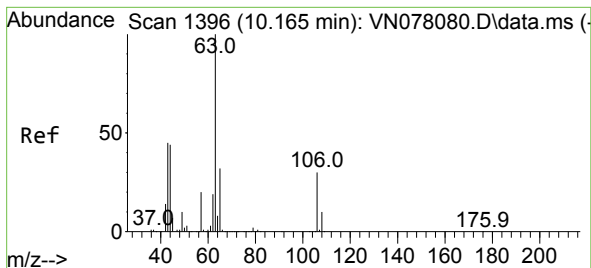
Tgt Ion: 43 Resp: 1579

Ion Ratio Lower Upper

43 100

58 15.7 36.6 54.8#

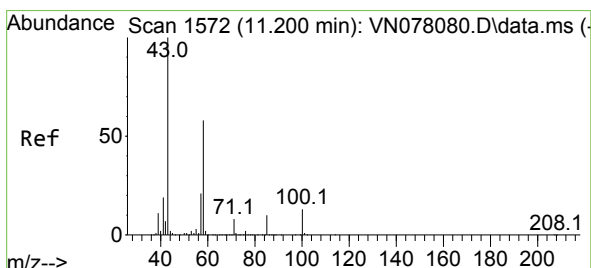
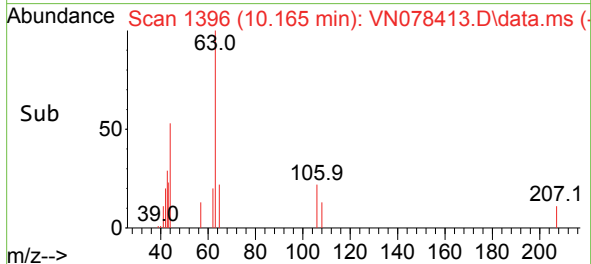
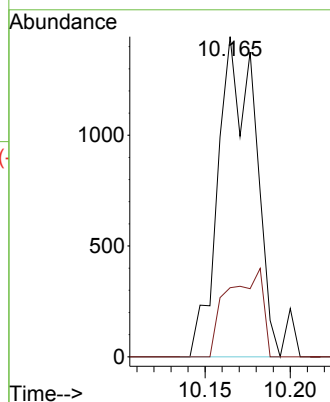
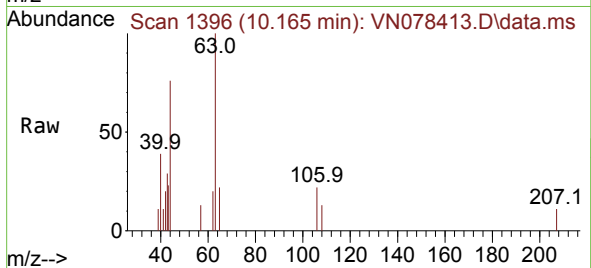




#58
2-Chloroethyl Vinyl ether
Concen: 0.728 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

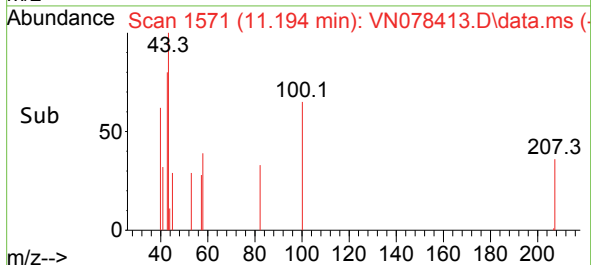
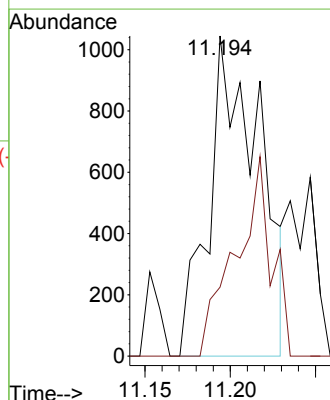
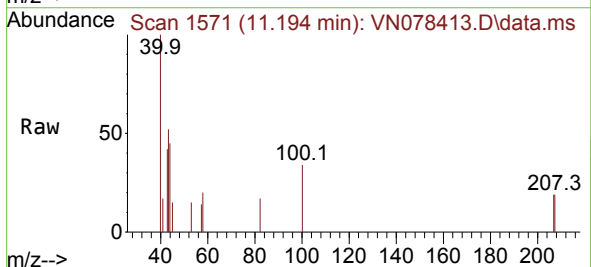
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

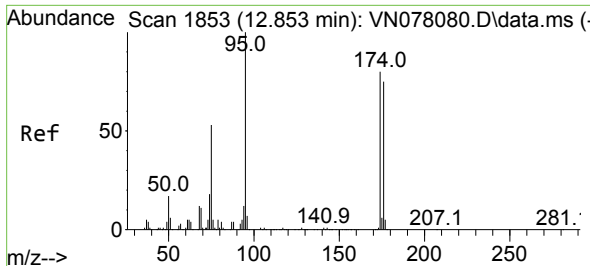
Tgt Ion: 63 Resp: 2180
Ion Ratio Lower Upper
63 100
106 26.0 26.2 39.4#



#59
2-Hexanone
Concen: 0.546 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 43 Resp: 2137
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

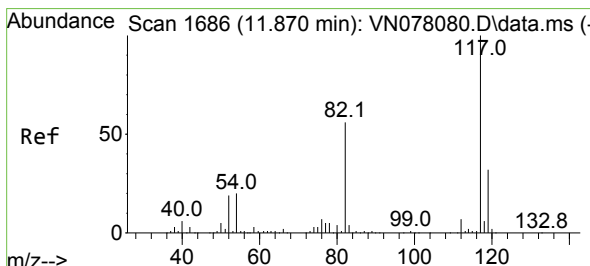
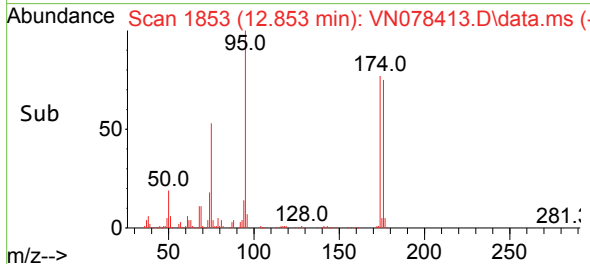
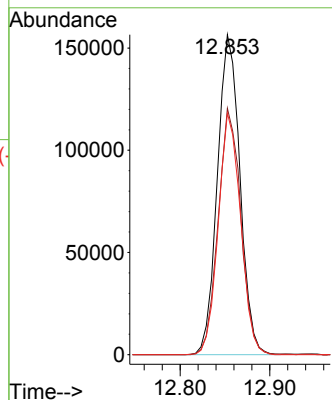
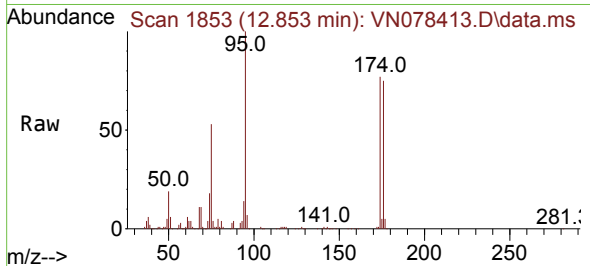




#62
4-Bromofluorobenzene
Concen: 45.847 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

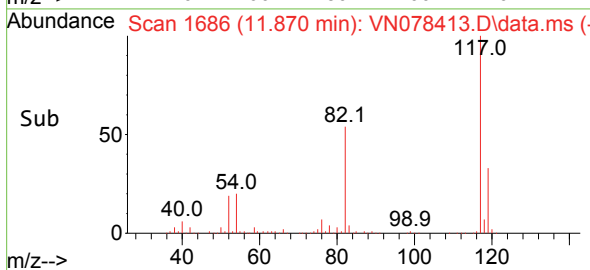
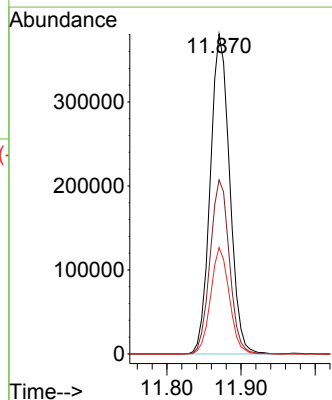
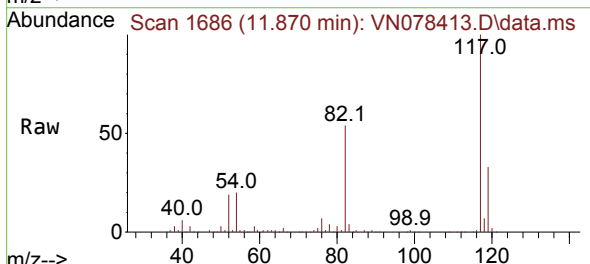
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

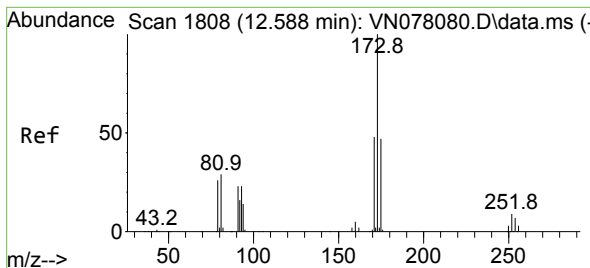
Tgt Ion: 95 Resp: 273654
Ion Ratio Lower Upper
95 100
174 77.4 0.0 143.8
176 74.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 117 Resp: 691374
Ion Ratio Lower Upper
117 100
82 54.4 44.0 66.0
119 33.2 25.6 38.4





#71

Bromoform

Concen: 0.658 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.270 min

Lab File: VN078413.D

Acq: 27 Jun 2023 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBL01

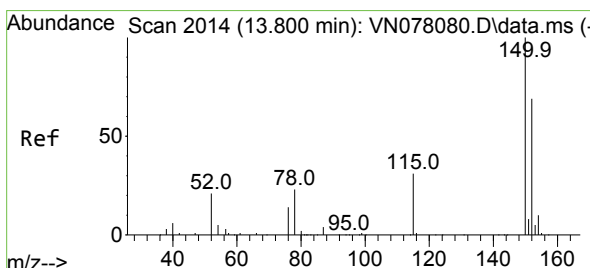
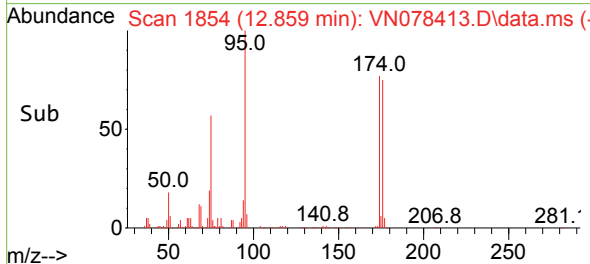
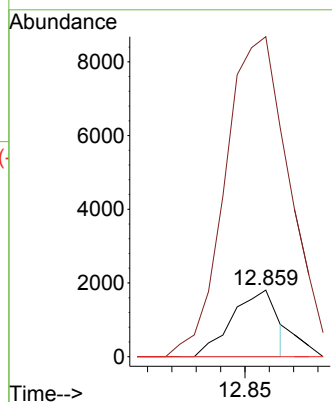
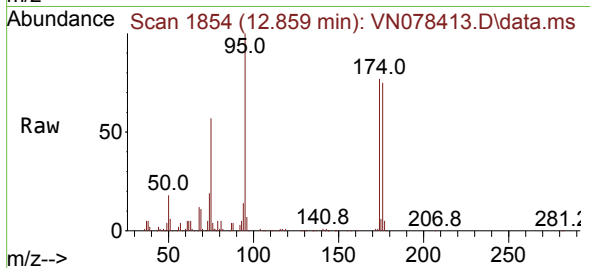
Tgt Ion:173 Resp: 2313

Ion Ratio Lower Upper

173 100

175 579.5 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078413.D

Acq: 27 Jun 2023 12:23

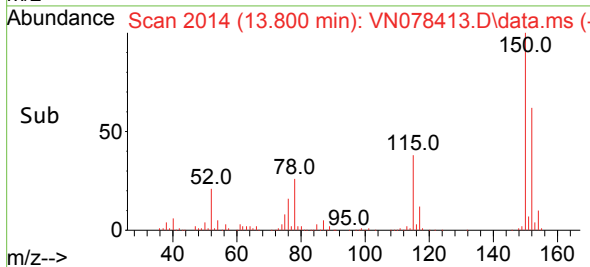
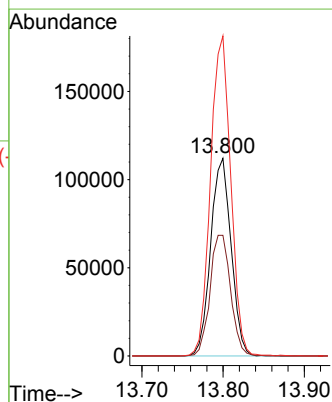
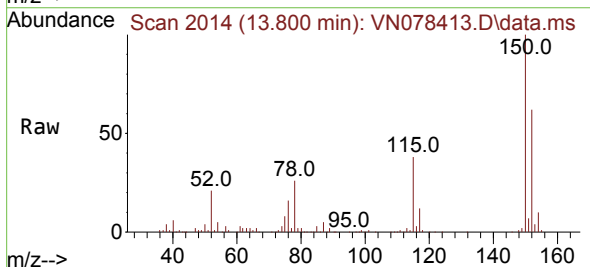
Tgt Ion:152 Resp: 196054

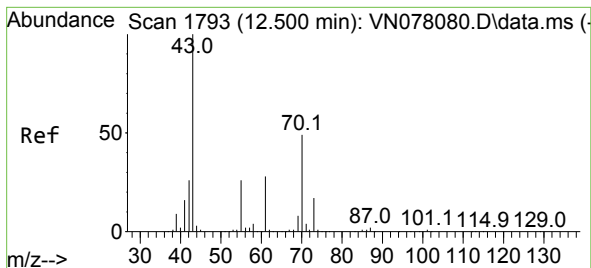
Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 160.0 0.0 355.8





#74

N-amy1 acetate

Concen: 0.202 ug/l

RT: 12.500 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078413.D

Acq: 27 Jun 2023 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0627WBL01

Tgt Ion: 43 Resp: 1235

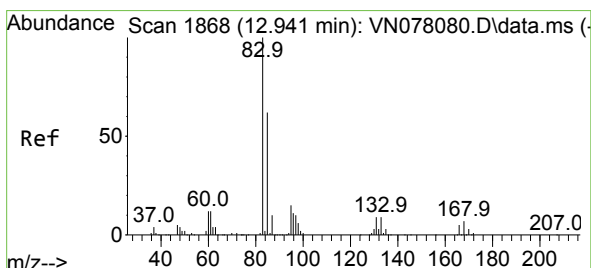
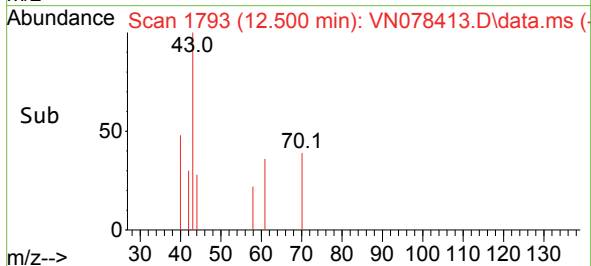
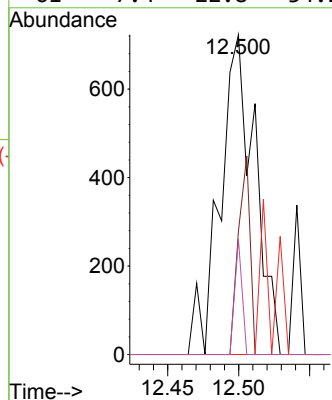
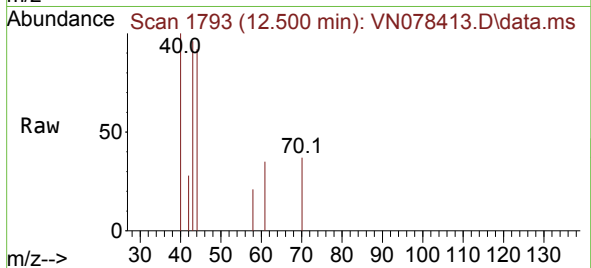
Ion Ratio Lower Upper

43 100

70 20.8 43.4 65.2#

55 17.7 21.4 32.0#

61 7.4 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.953 min Scan# 1870

Delta R.T. 0.012 min

Lab File: VN078413.D

Acq: 27 Jun 2023 12:23

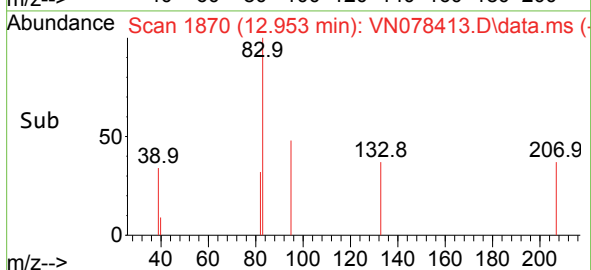
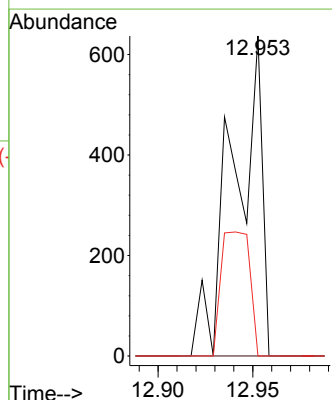
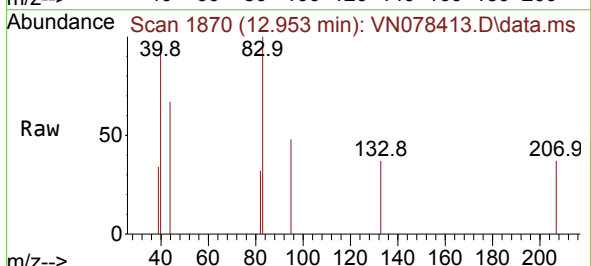
Tgt Ion: 83 Resp: 669

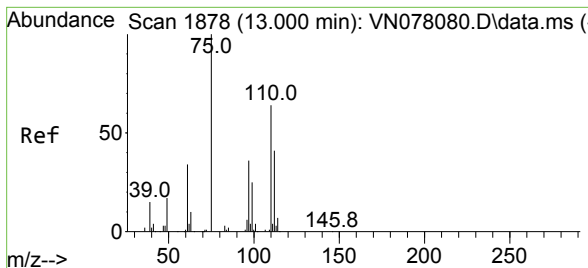
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 38.7 31.9 95.7

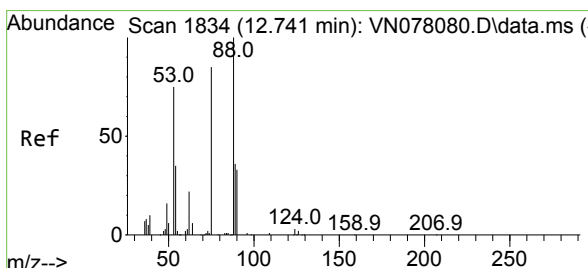
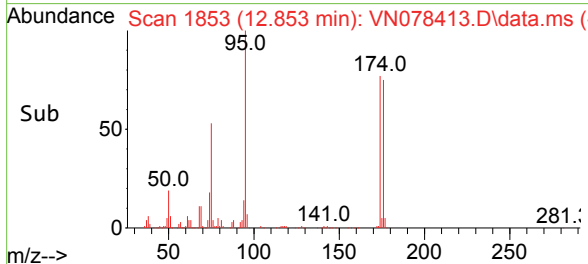
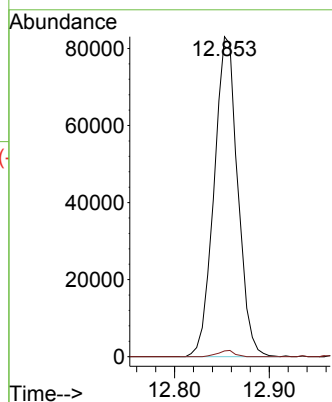
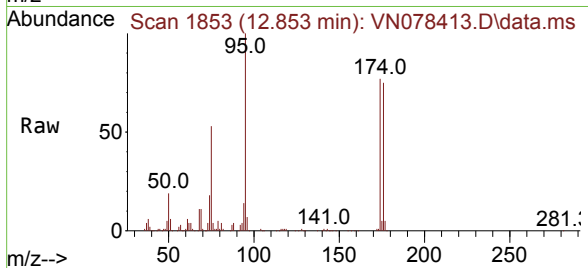




#76
1,2,3-Trichloropropane
Concen: 31.138 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

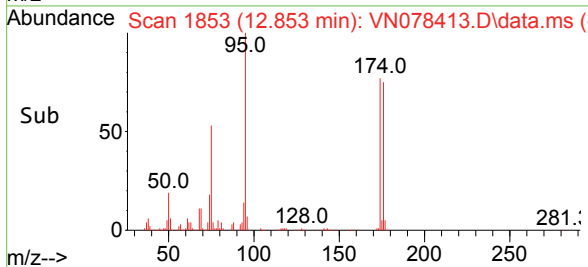
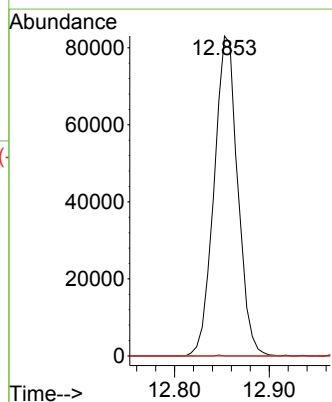
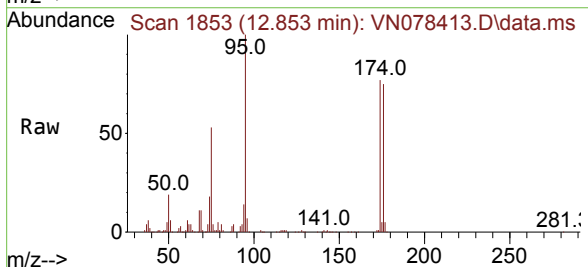
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

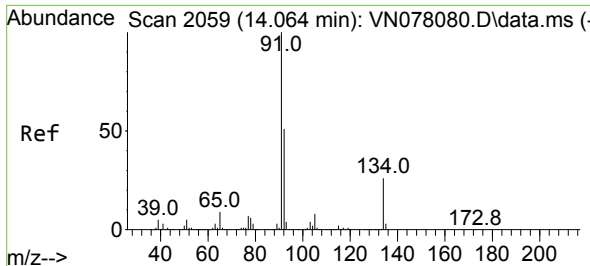
Tgt Ion: 75 Resp: 144318
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.666 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 75 Resp: 144318
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

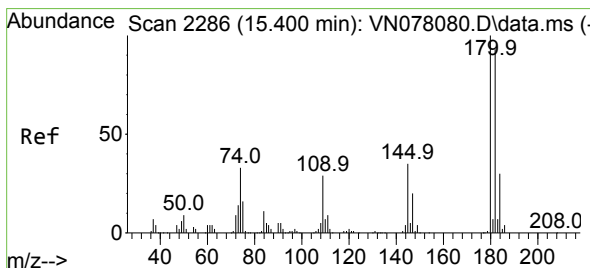
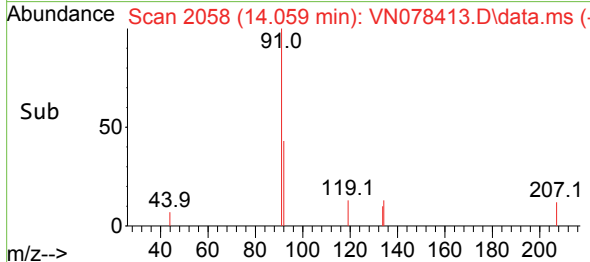
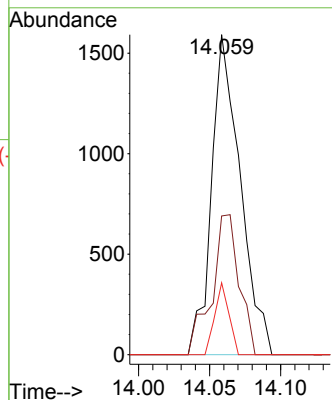
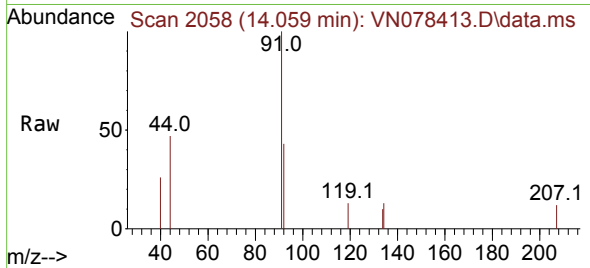




#89
n-Butylbenzene
Concen: 0.205 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

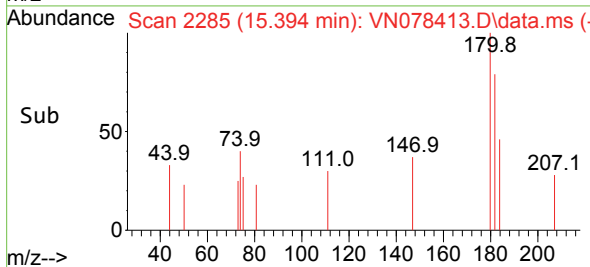
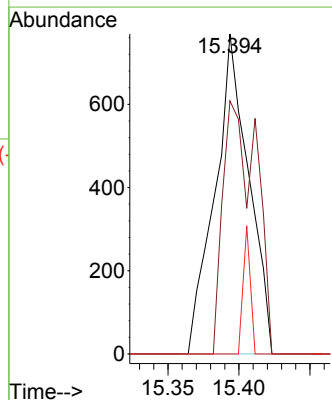
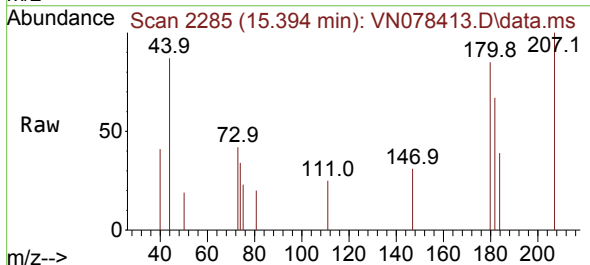
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

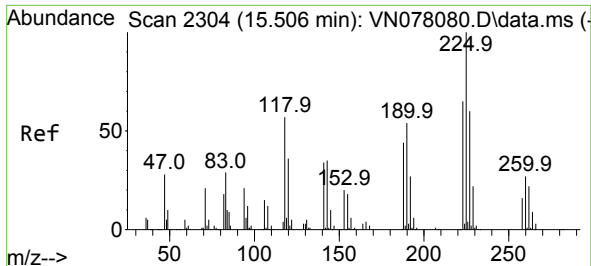
Tgt Ion: 91	Resp:	2240
Ion Ratio	Lower	Upper
91	100	
92	41.5	26.4 79.0
134	11.0	12.6 37.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.502 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion: 180	Resp:	1272
Ion Ratio	Lower	Upper
180	100	
182	77.3	46.1 138.2
145	8.6	16.6 49.8#

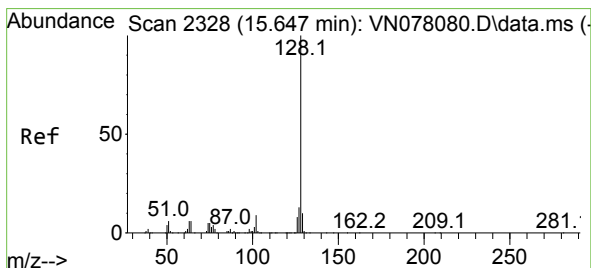
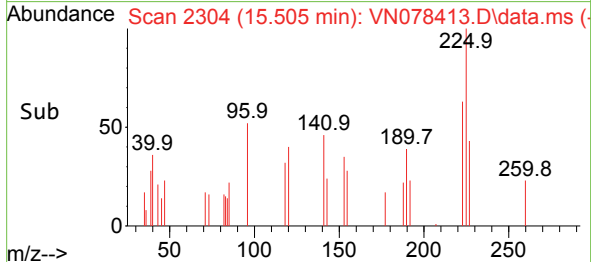
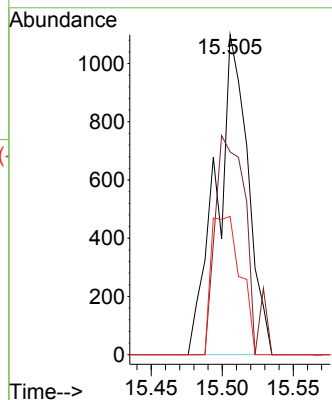
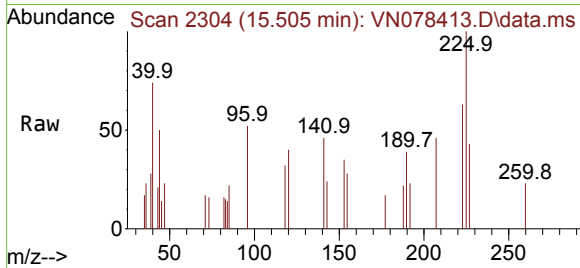




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.505 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

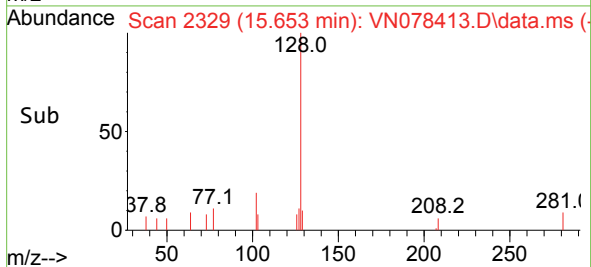
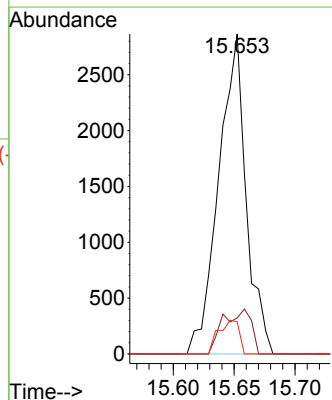
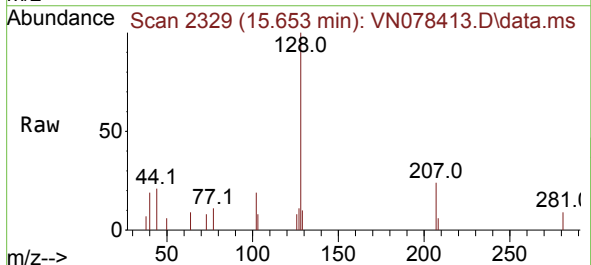
Instrument :
MSVOA_N
ClientSampleId :
VN0627WBL01

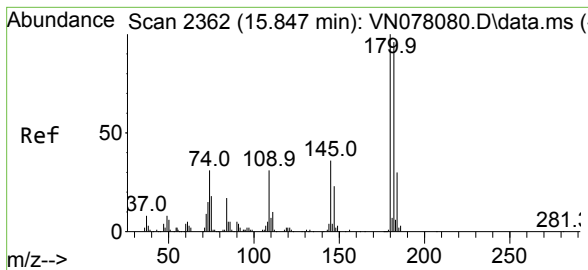
Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.9	31.3	93.8
227	40.3	31.9	95.9



#95
Naphthalene
Concen: 0.528 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN078413.D
Acq: 27 Jun 2023 12:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.0	15.0
129	7.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.596 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN078413.D
 Acq: 27 Jun 2023 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBL01

Tgt Ion:	180	Resp:	1689
Ion Ratio	Lower	Upper	
180	100		
182	94.0	46.2	138.6
145	34.6	17.5	52.6

