

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040124\
 Data File : VN081637.D
 Acq On : 01 Apr 2024 10:13
 Operator : JC\MD
 Sample : VN0401MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBL01

Quant Time: Apr 02 01:10:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

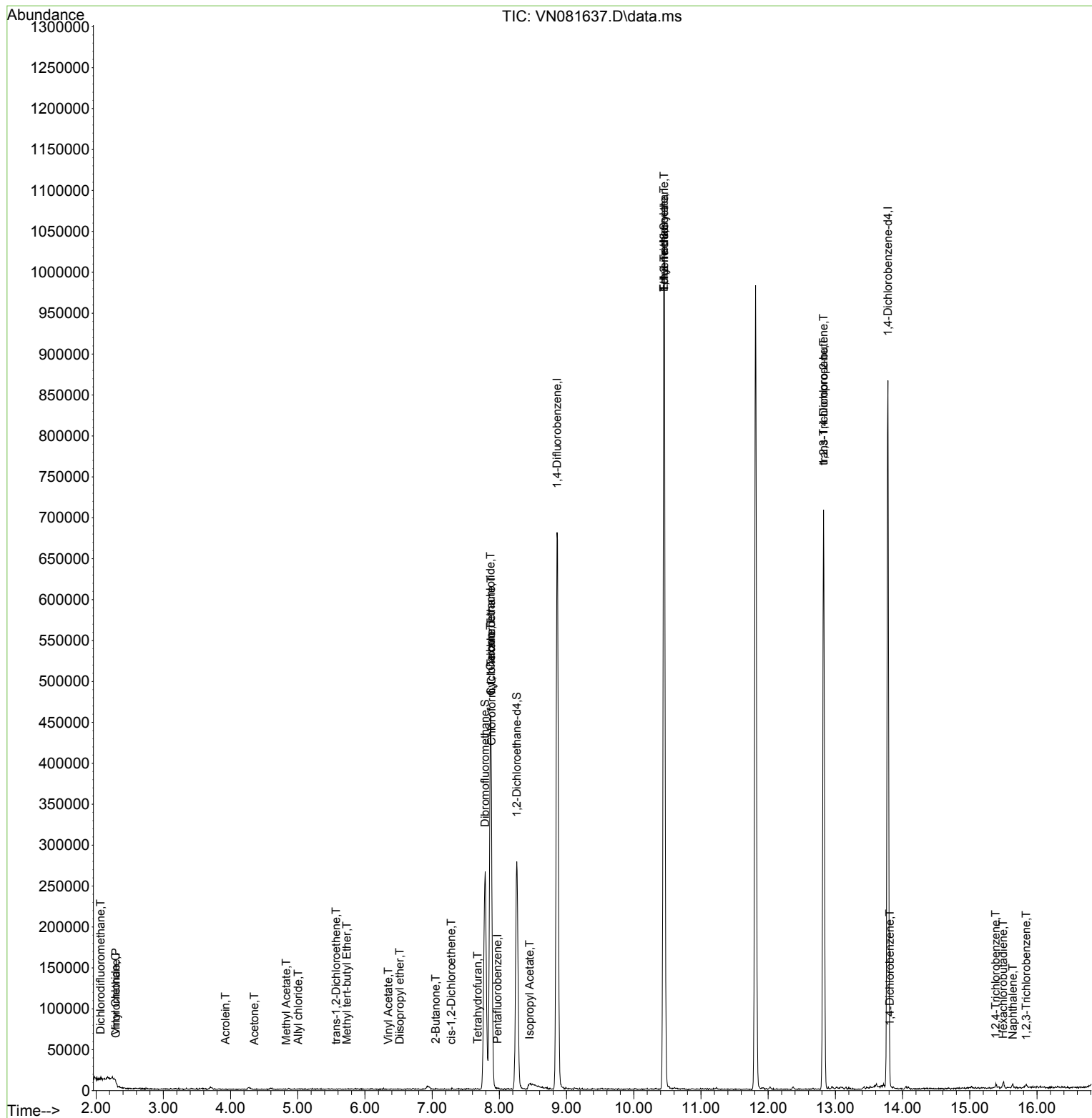
Internal Standards						
1) Pentafluorobenzene	7.971	168	460	50.000	ug/l	#-0.25
34) 1,4-Difluorobenzene	8.859	114	654042	50.000	ug/l	-0.25
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.86
72) 1,4-Dichlorobenzene-d4	13.782	152	227959	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	247366	42167.816	ug/l	-0.32
Spiked Amount	50.000	Range	74 - 125	Recovery	= 84335.640%#	
35) Dibromofluoromethane	7.788	113	215798	52.281	ug/l	-0.38
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.560%	
50) Toluene-d8	10.453	98	783910	52.537	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	64 - 133	Recovery	= 0.000%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.065	85	70	11.301	ug/l #	44
3) Chloromethane	2.295	50	126	20.432	ug/l #	1
4) Vinyl Chloride	2.289	62	117	16.905	ug/l #	46
13) Acrolein	3.924	56	61	66.497	ug/l #	15
14) Allyl chloride	5.006	41	106	15.582	ug/l #	22
16) Acetone	4.353	43	106	55.912	ug/l #	44
18) Methyl Acetate	4.830	43	58	9.923	ug/l #	54
19) Methyl tert-butyl Ether	5.730	73	70	4.120	ug/l #	53
21) trans-1,2-Dichloroethene	5.571	96	65	10.739	ug/l #	1
22) Diisopropyl ether	6.518	45	58	3.670	ug/l #	39
23) Vinyl Acetate	6.347	43	66	5.246	ug/l #	75
25) 2-Butanone	7.053	43	57	17.529	ug/l #	51
27) cis-1,2-Dichloroethene	7.283	96	80	11.681	ug/l #	1
29) Tetrahydrofuran	7.677	42	69	31.499	ug/l #	38
30) Chloroform	7.883	83	134	11.824	ug/l #	18
31) Cyclohexane	7.877	56	8446	884.775	ug/l #	17
32) 1,1,1-Trichloroethane	7.877	97	60	5.835	ug/l #	1
38) Carbon Tetrachloride	7.871	117	27216	3.577	ug/l #	19
43) Isopropyl Acetate	8.453	43	6810	0.691	ug/l #	57
55) 1,1,2-Trichloroethane	10.453	97	21058	4.054	ug/l #	1
56) Ethyl methacrylate	10.447	69	2853	0.975	ug/l #	76
76) 1,2,3-Trichloropropane	12.823	75	125087	22.940	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	125087	61.990	ug/l #	14
88) 1,4-Dichlorobenzene	13.812	146	1951	0.214	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.388	180	1066	0.217	ug/l #	53
94) Hexachlorobutadiene	15.494	225	1430	0.664	ug/l	84
95) Naphthalene	15.641	128	5542	0.348	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.841	180	2025	0.410	ug/l	92

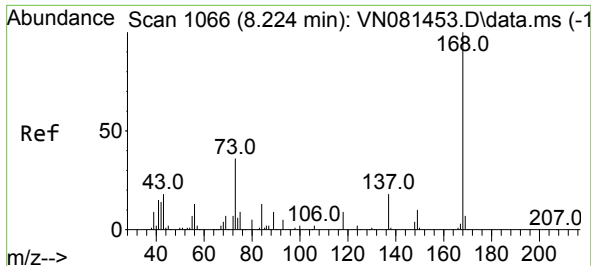
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

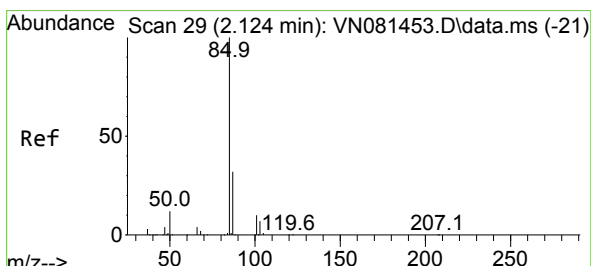
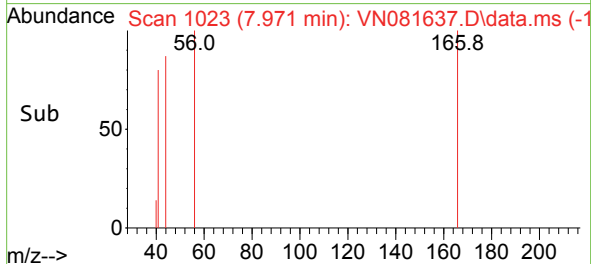
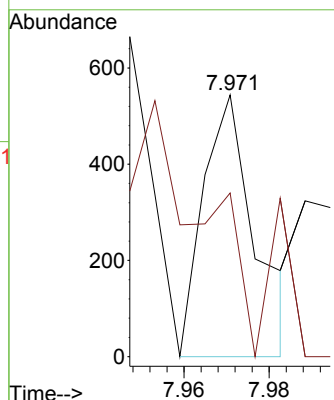
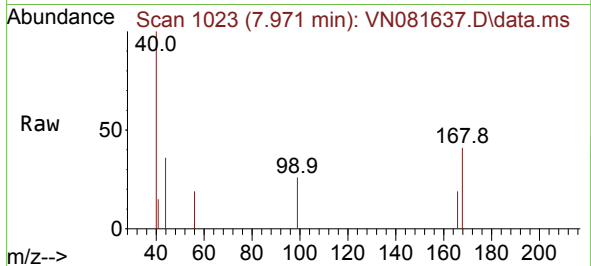




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.971 min Scan# 10
Delta R.T. -0.253 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

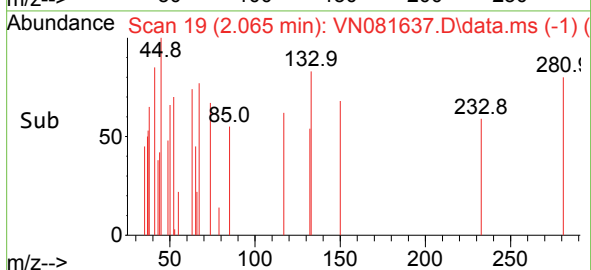
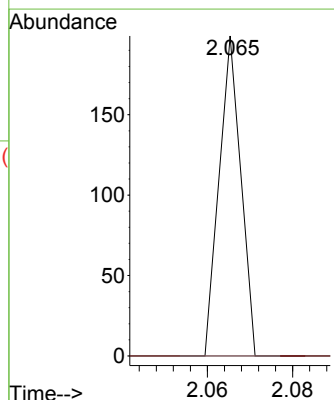
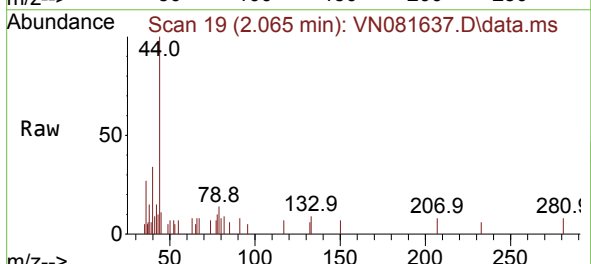
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

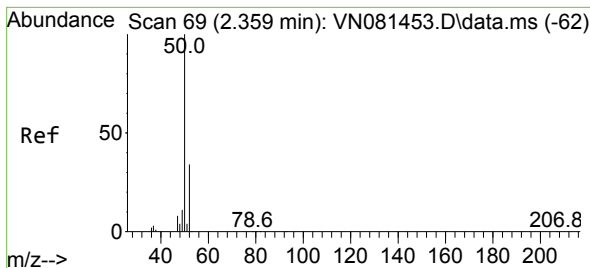
Tgt Ion:168 Resp: 460
Ion Ratio Lower Upper
168 100
99 12.1 59.9 89.9#



#2
Dichlorodifluoromethane
Concen: 11.301 ug/l
RT: 2.065 min Scan# 19
Delta R.T. -0.059 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion: 85 Resp: 70
Ion Ratio Lower Upper
85 100
87 0.0 15.3 45.9#





#3

Chloromethane

Concen: 20.432 ug/l

RT: 2.295 min Scan# 51

Delta R.T. -0.065 min

Lab File: VN081637.D

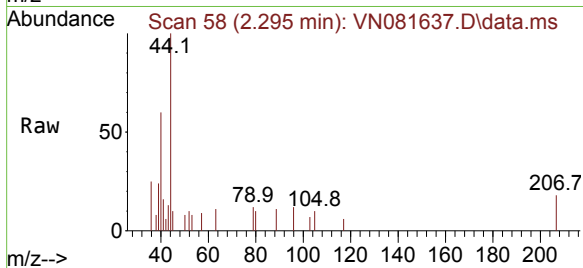
Acq: 01 Apr 2024 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBL01

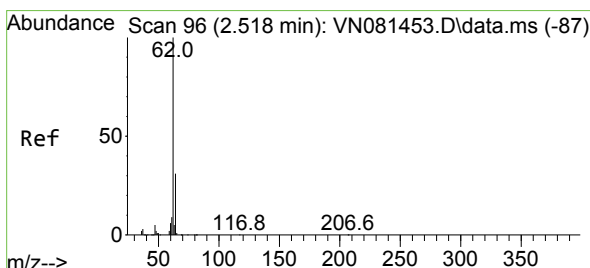
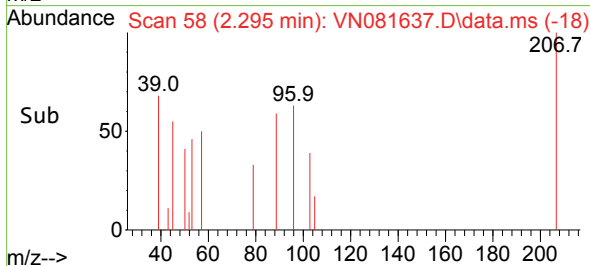
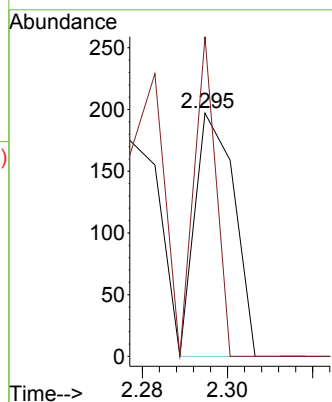


Tgt Ion: 50 Resp: 126

Ion Ratio Lower Upper

50 100

52 131.5 25.0 37.4#



#4

Vinyl Chloride

Concen: 16.905 ug/l

RT: 2.289 min Scan# 57

Delta R.T. -0.229 min

Lab File: VN081637.D

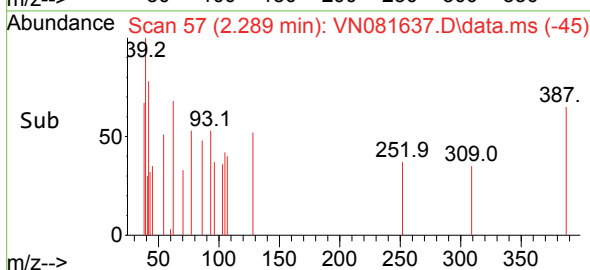
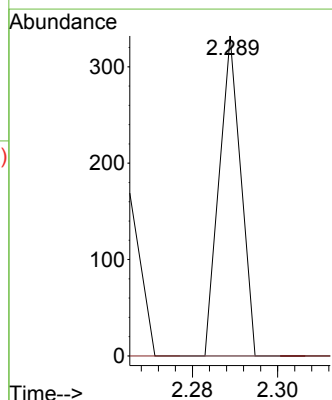
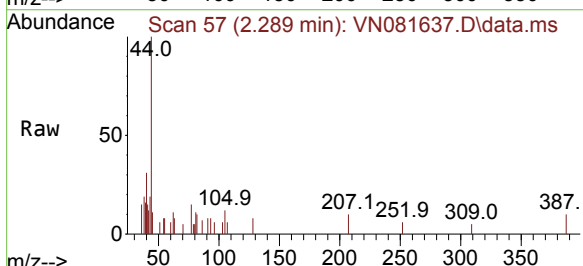
Acq: 01 Apr 2024 10:13

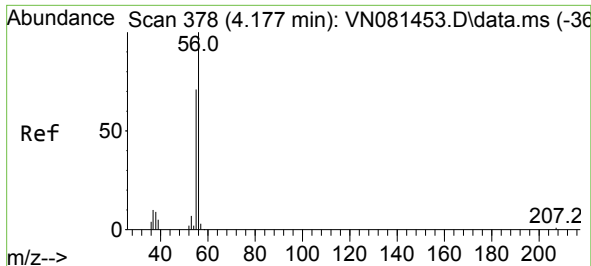
Tgt Ion: 62 Resp: 117

Ion Ratio Lower Upper

62 100

64 0.0 22.7 34.1#

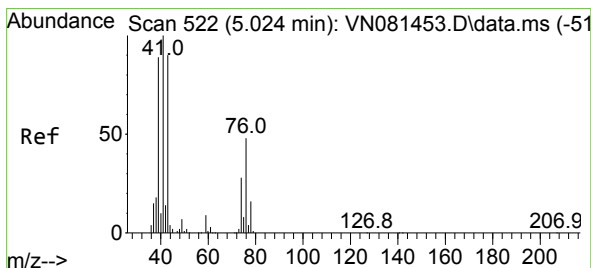
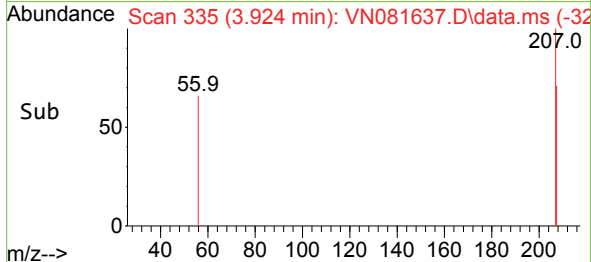
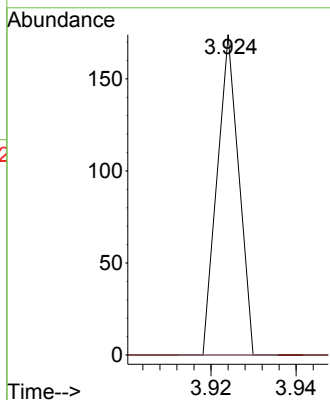
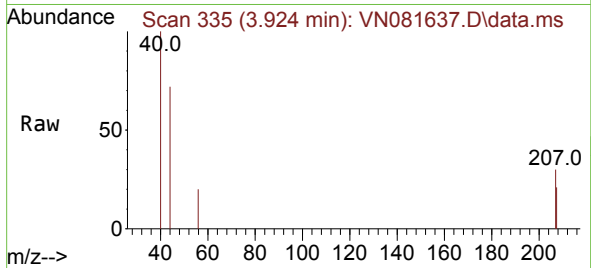




#13
Acrolein
Concen: 66.497 ug/l
RT: 3.924 min Scan# 31
Delta R.T. -0.253 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

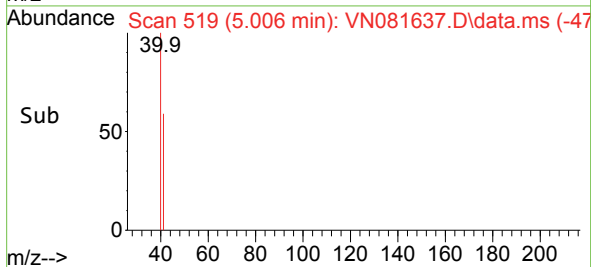
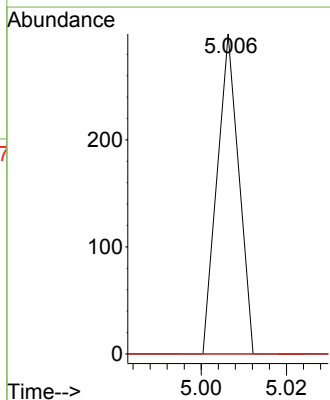
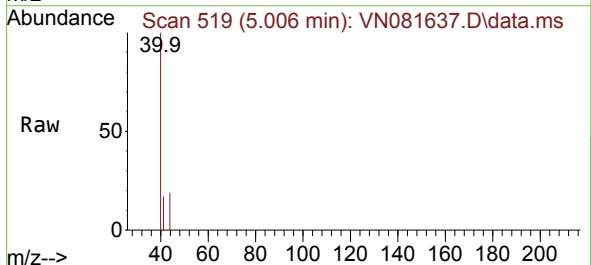
Instrument :
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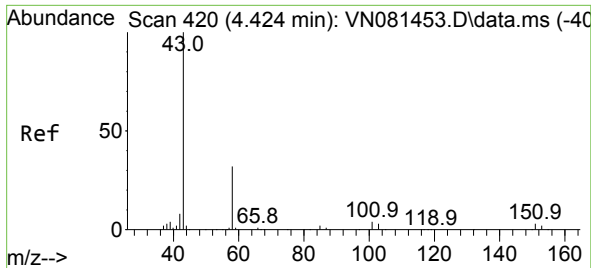
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#14
Allyl chloride
Concen: 15.582 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion: 41 Resp: 106
Ion Ratio Lower Upper
41 100
39 0.0 57.7 86.5#
76 0.0 26.8 40.2#

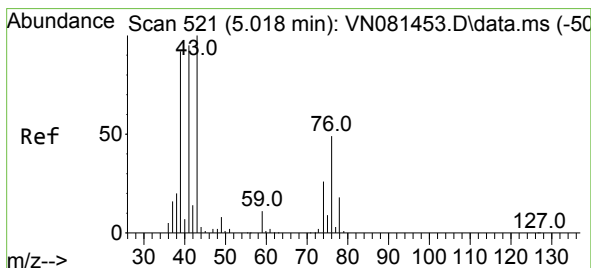
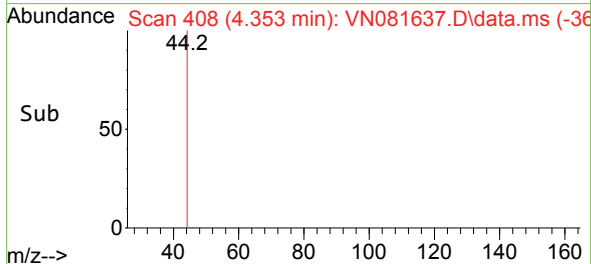
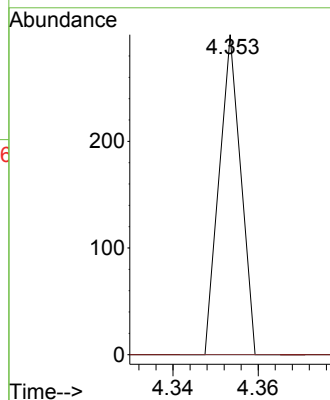
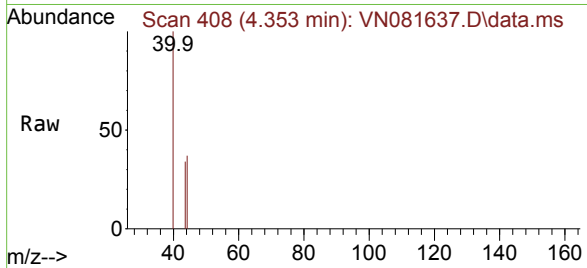




#16
Acetone
Concen: 55.912 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.070 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

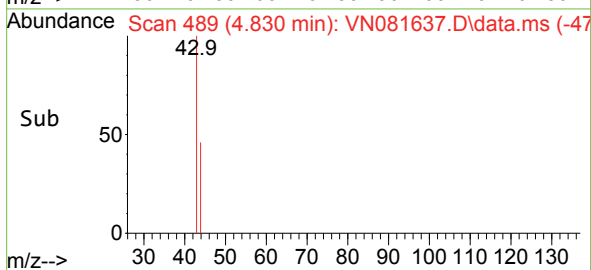
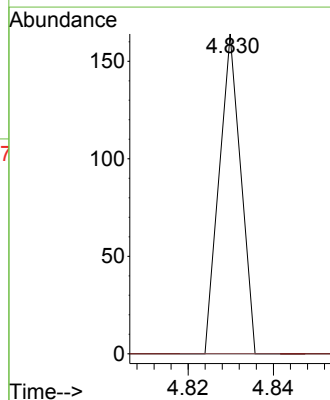
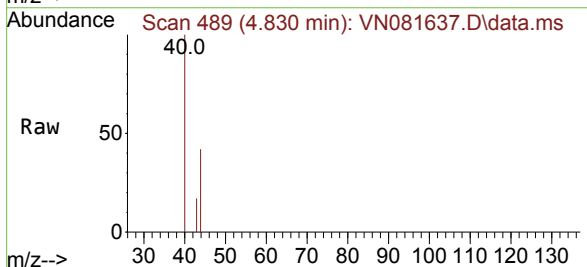
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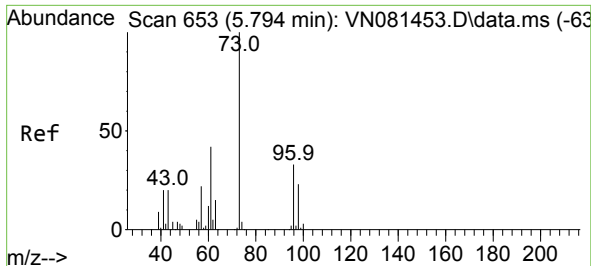
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#18
Methyl Acetate
Concen: 9.923 ug/l
RT: 4.830 min Scan# 489
Delta R.T. -0.188 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#

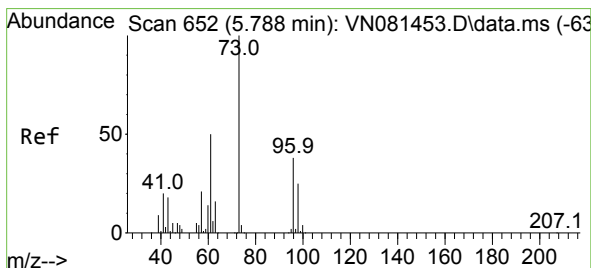
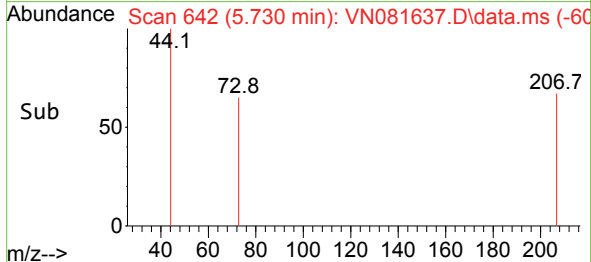
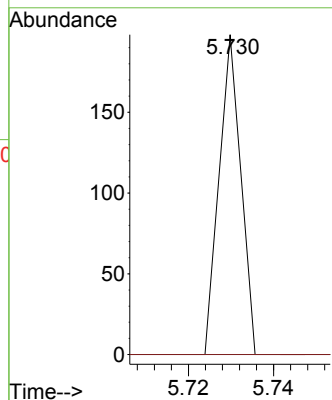
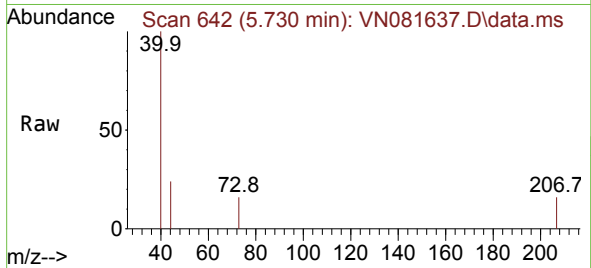




#19
Methyl tert-butyl Ether
Concen: 4.120 ug/l
RT: 5.730 min Scan# 641
Delta R.T. -0.065 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

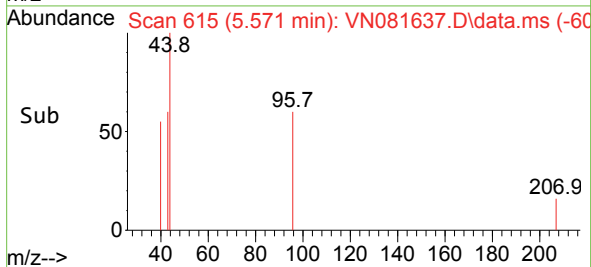
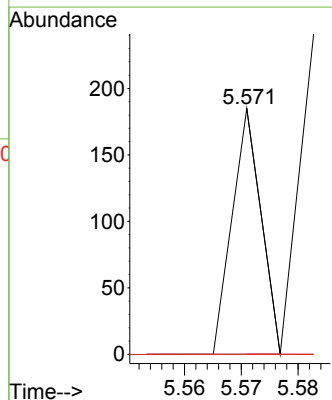
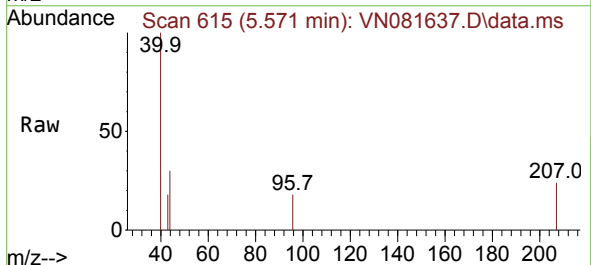
Instrument :
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ClientSampleId :
VN0401MBL01

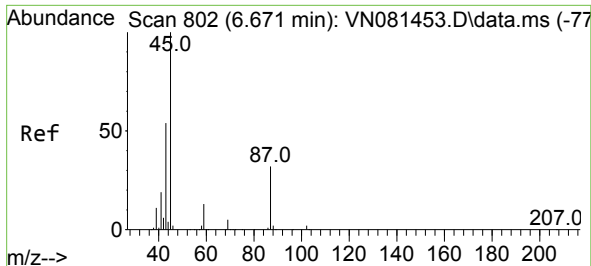
Tgt Ion: 73 Resp: 70
Ion Ratio Lower Upper
73 100
57 0.0 18.2 27.4#



#21
trans-1,2-Dichloroethene
Concen: 10.739 ug/l
RT: 5.571 min Scan# 615
Delta R.T. -0.218 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

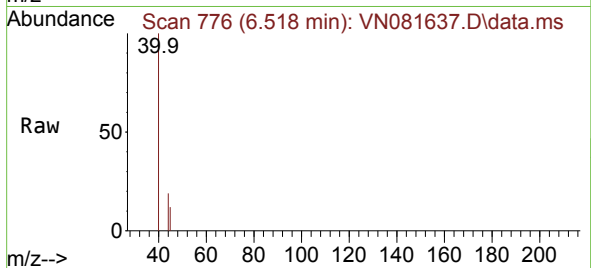
Tgt Ion: 96 Resp: 65
Ion Ratio Lower Upper
96 100
61 0.0 112.8 169.2#
98 0.0 51.0 76.4#



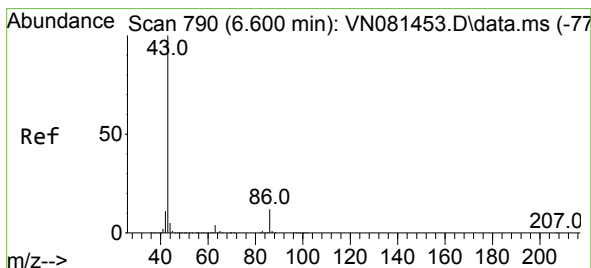
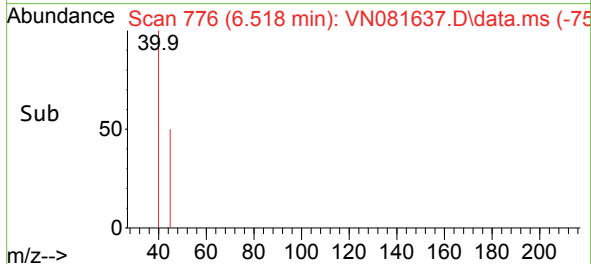
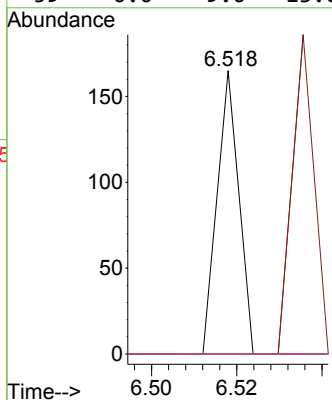


#22
Diisopropyl ether
Concen: 3.670 ug/l
RT: 6.518 min Scan# 71
Delta R.T. -0.153 min
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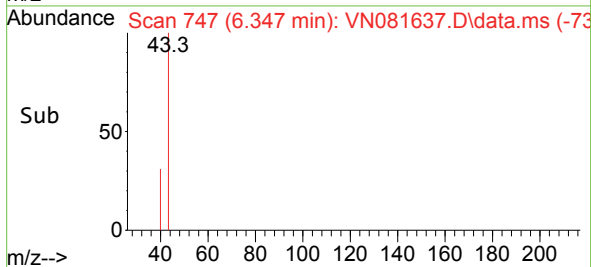
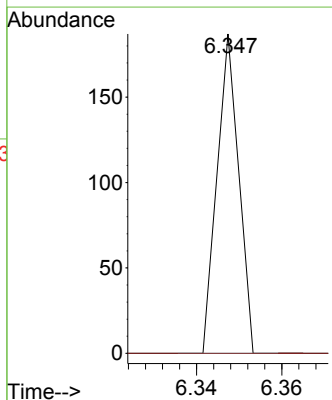
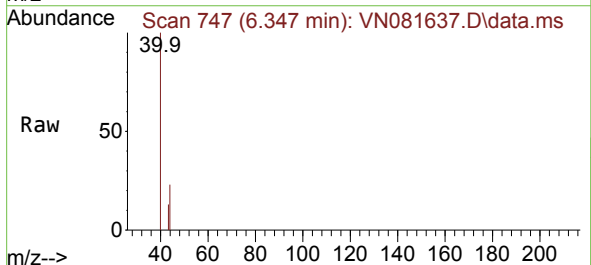


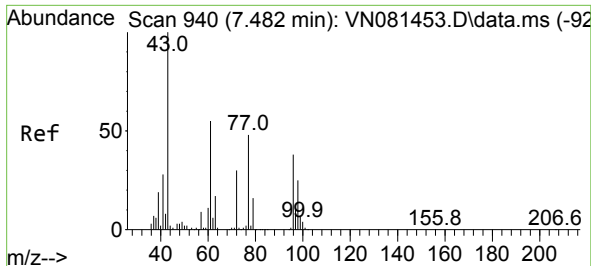
Tgt Ion: 45	Resp: 58
Ion Ratio	Lower Upper
45 100	
43 0.0	41.8 62.8#
87 0.0	18.1 27.1#
59 0.0	9.0 13.6#



#23
Vinyl Acetate
Concen: 5.246 ug/l
RT: 6.347 min Scan# 747
Delta R.T. -0.253 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion: 43	Resp: 66
Ion Ratio	Lower Upper
43 100	
86 0.0	7.1 10.7#

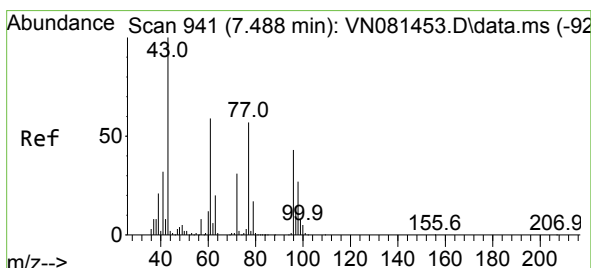
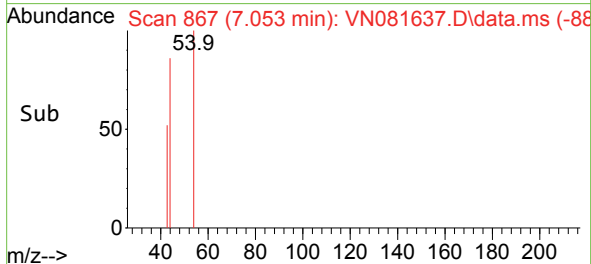
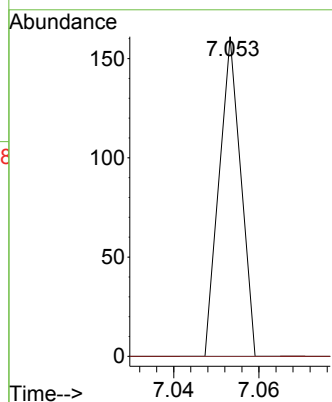
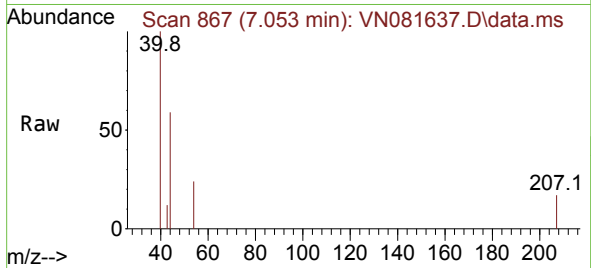




#25
2-Butanone
Concen: 17.529 ug/l
RT: 7.053 min Scan# 80
Delta R.T. -0.429 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

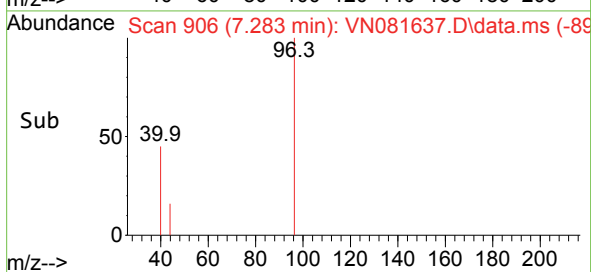
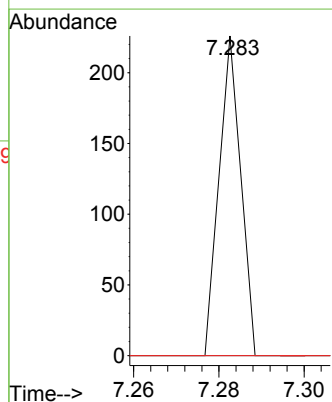
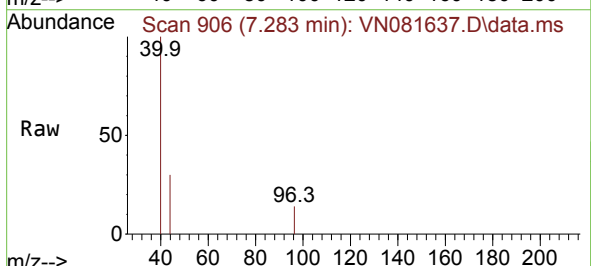
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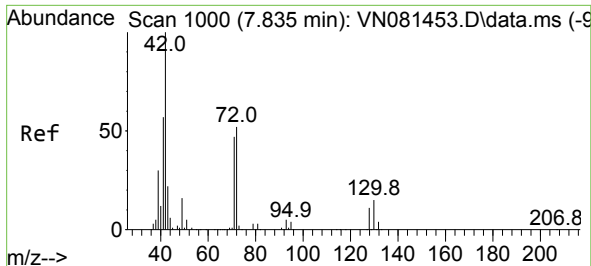
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



#27
cis-1,2-Dichloroethene
Concen: 11.681 ug/l
RT: 7.283 min Scan# 906
Delta R.T. -0.206 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion: 96 Resp: 80
Ion Ratio Lower Upper
96 100
61 0.0 0.0 325.4
98 0.0 0.0 130.4





#29

Tetrahydrofuran

Concen: 31.499 ug/l

RT: 7.677 min Scan# 91

Delta R.T. -0.159 min

Lab File: VN081637.D

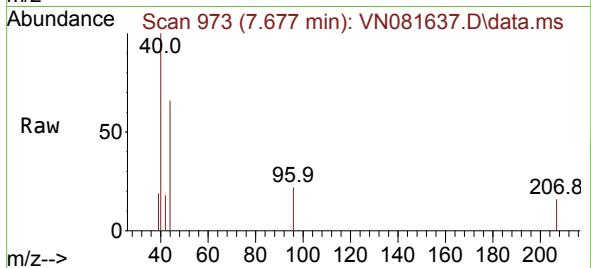
Acq: 01 Apr 2024 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBL01



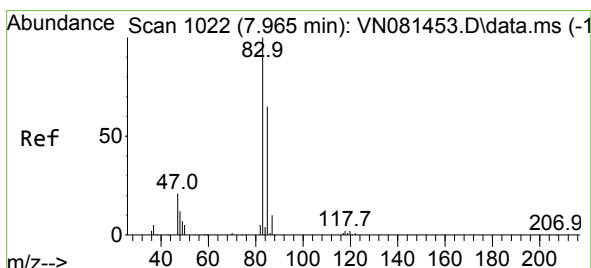
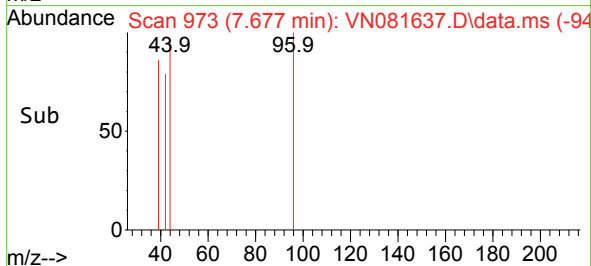
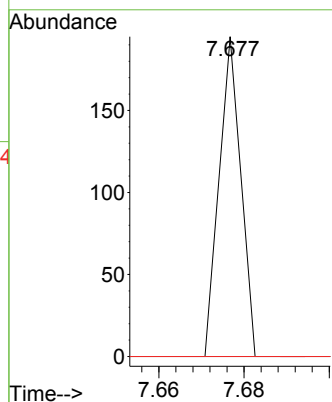
Tgt Ion: 42 Resp: 69

Ion Ratio Lower Upper

42 100

72 0.0 31.1 46.7#

71 0.0 28.3 42.5#



#30

Chloroform

Concen: 11.824 ug/l

RT: 7.883 min Scan# 1008

Delta R.T. -0.082 min

Lab File: VN081637.D

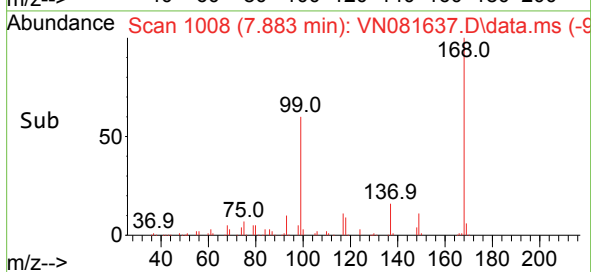
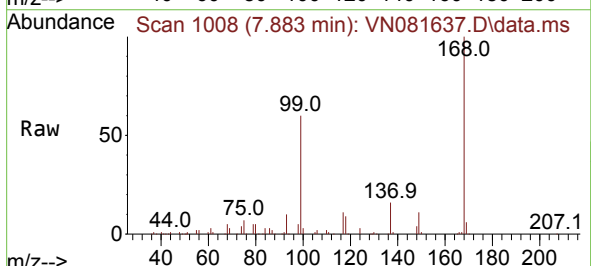
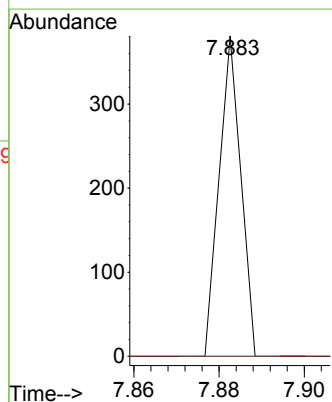
Acq: 01 Apr 2024 10:13

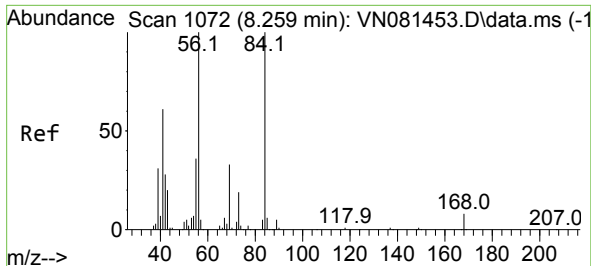
Tgt Ion: 83 Resp: 134

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

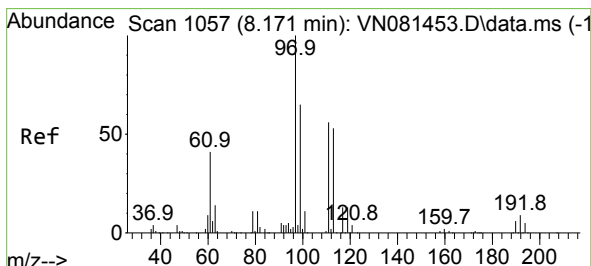
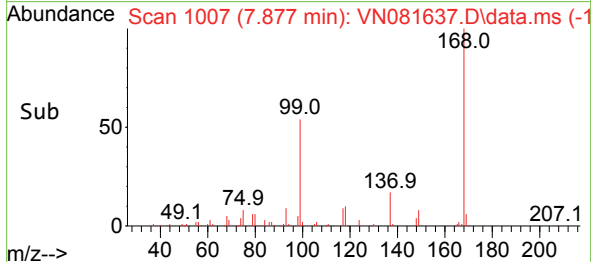
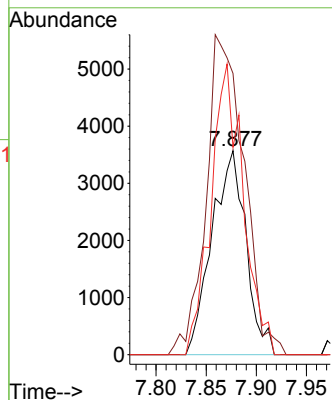
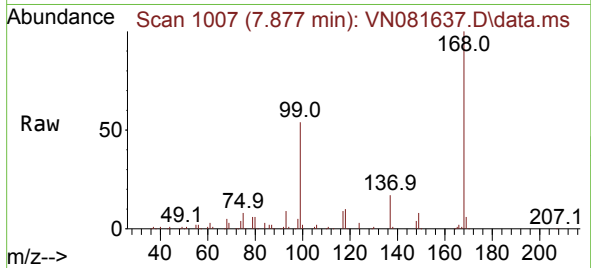




#31
Cyclohexane
Concen: 884.775 ug/l
RT: 7.877 min Scan# 1007
Delta R.T. -0.382 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

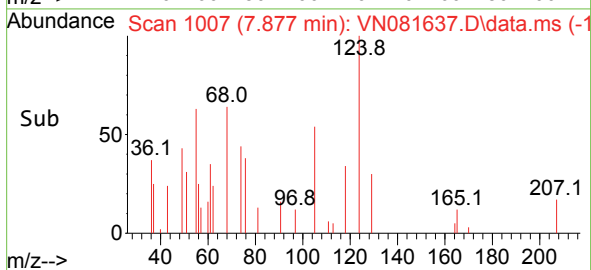
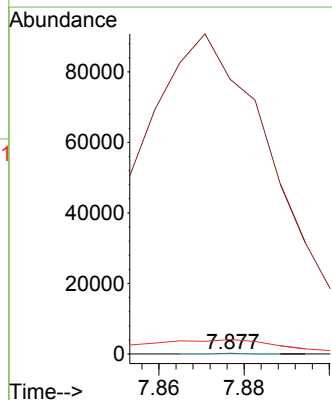
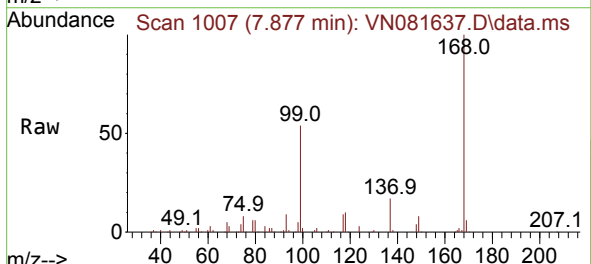
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

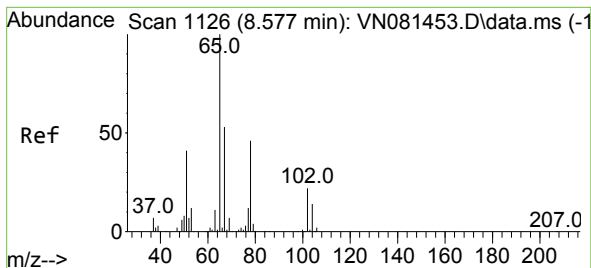
Tgt Ion: 56 Resp: 8446
Ion Ratio Lower Upper
56 100
69 132.1 20.1 30.1#
84 101.7 56.9 85.3#



#32
1,1,1-Trichloroethane
Concen: 5.835 ug/l
RT: 7.877 min Scan# 1007
Delta R.T. -0.294 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion: 97 Resp: 60
Ion Ratio Lower Upper
97 100
99 368255.0 53.4 80.0#
61 17268.3 43.8 65.8#





#33

1,2-Dichloroethane-d4

Concen: 42167.816 ug/l

RT: 8.259 min Scan# 1107

Delta R.T. -0.318 min

Lab File: VN081637.D

Acq: 01 Apr 2024 10:13

Instrument :

MSVOA_N

ClientSampleId :

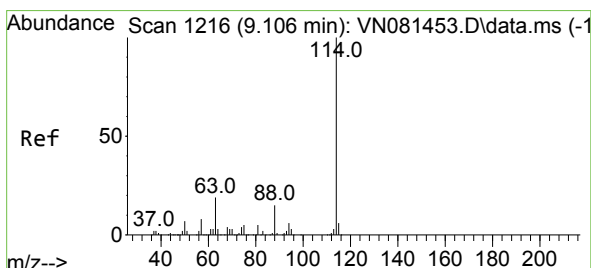
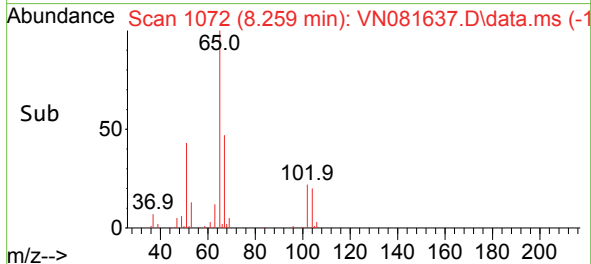
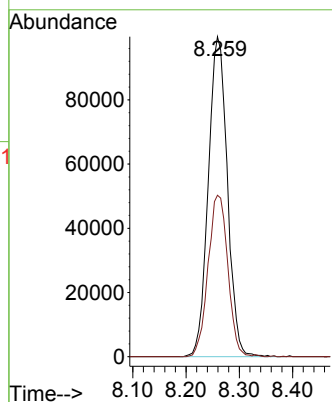
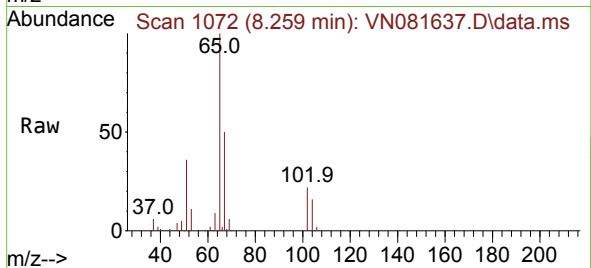
VN0401MBL01

Tgt Ion: 65 Resp: 247366

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.859 min Scan# 1174

Delta R.T. -0.247 min

Lab File: VN081637.D

Acq: 01 Apr 2024 10:13

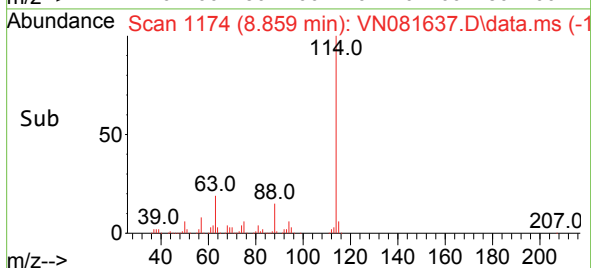
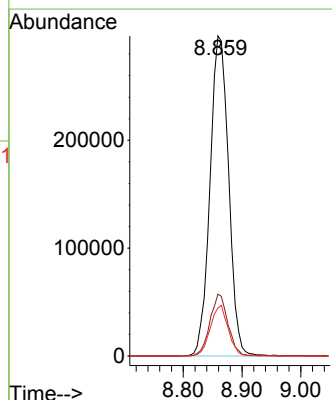
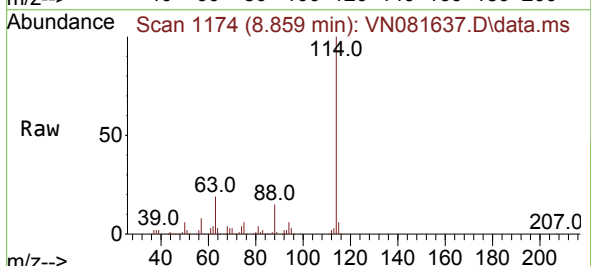
Tgt Ion: 114 Resp: 654042

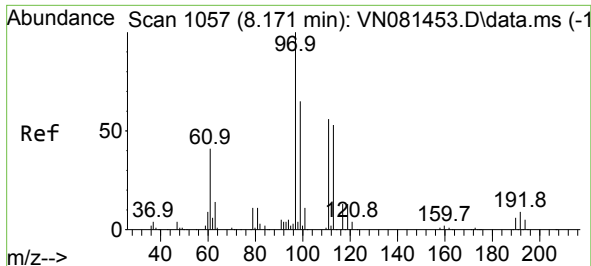
Ion Ratio Lower Upper

114 100

63 19.3 0.0 48.0

88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 52.281 ug/l

RT: 7.788 min Scan# 91

Delta R.T. -0.382 min

Lab File: VN081637.D

Acq: 01 Apr 2024 10:13

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBL01

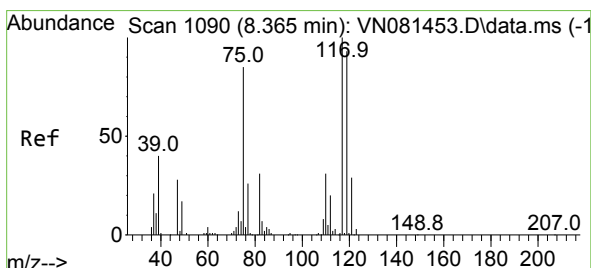
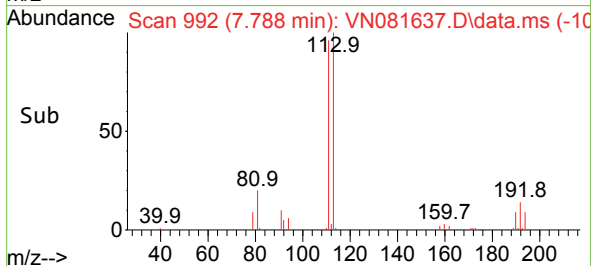
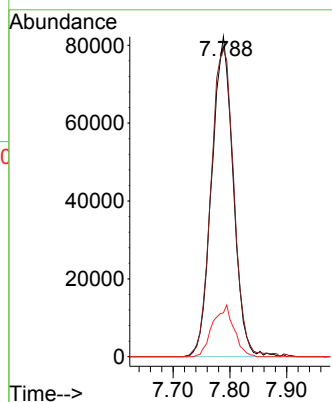
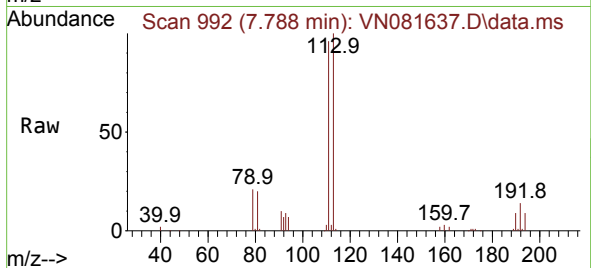
Tgt Ion:113 Resp: 215798

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 15.9 12.5 18.7



#38

Carbon Tetrachloride

Concen: 3.577 ug/l

RT: 7.871 min Scan# 1006

Delta R.T. -0.494 min

Lab File: VN081637.D

Acq: 01 Apr 2024 10:13

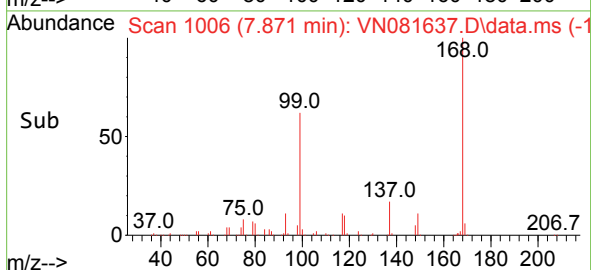
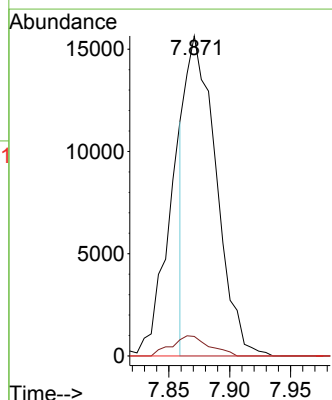
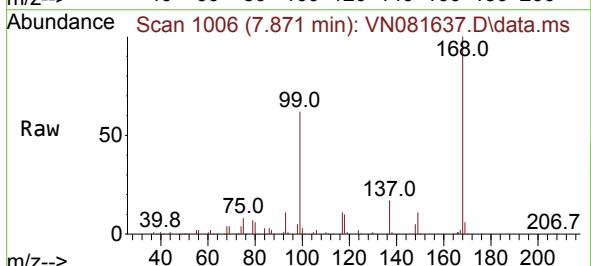
Tgt Ion:117 Resp: 27216

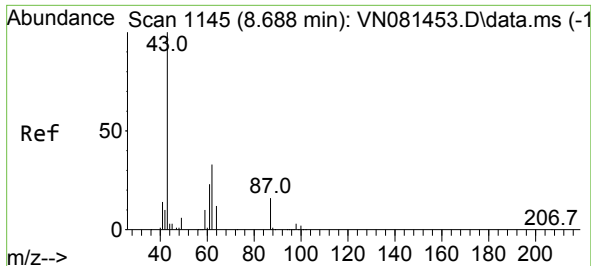
Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

121 0.0 24.4 36.6#

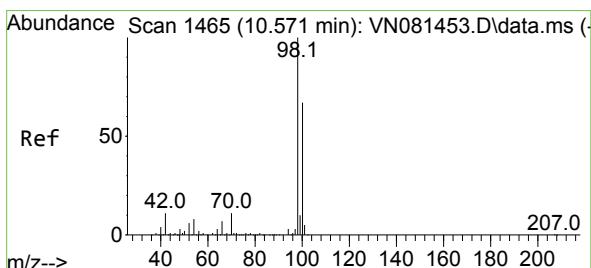
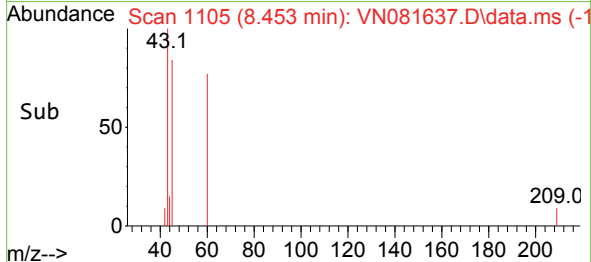
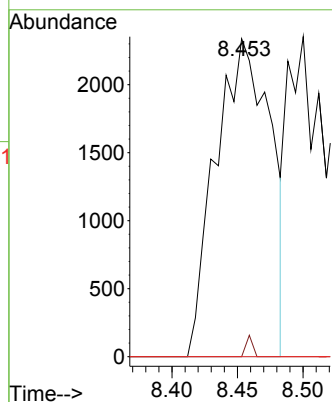
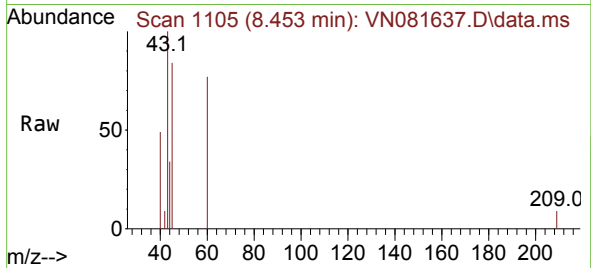




#43
Isopropyl Acetate
Concen: 0.691 ug/l
RT: 8.453 min Scan# 1145
Delta R.T. -0.235 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

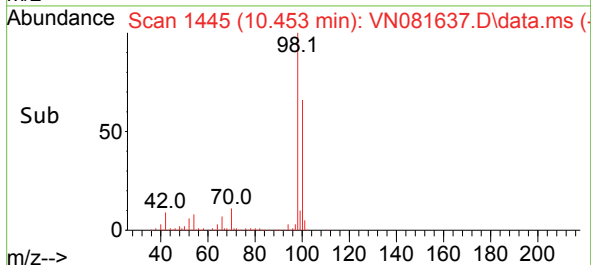
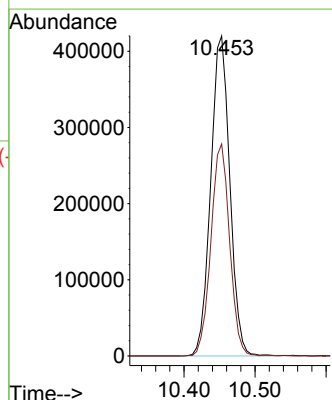
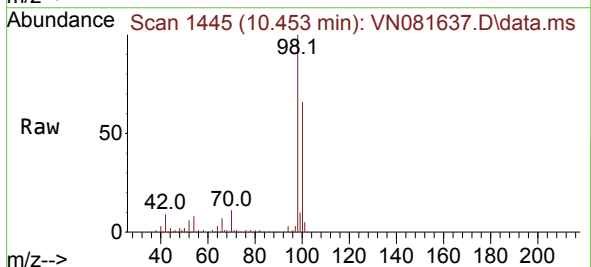
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

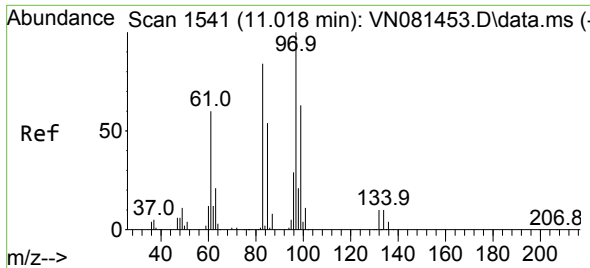
Tgt Ion: 43 Resp: 6810
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 52.537 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.118 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion: 98 Resp: 783910
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0

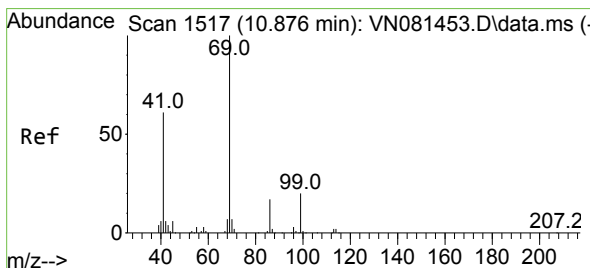
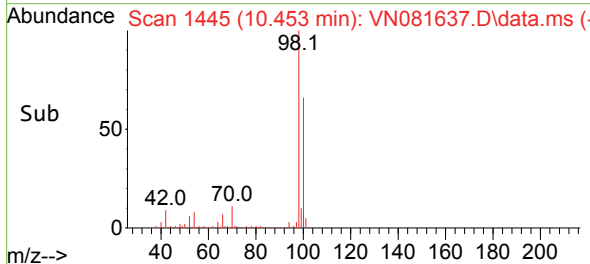
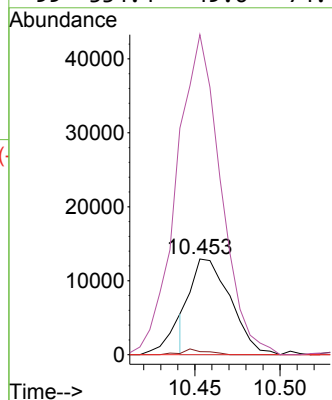
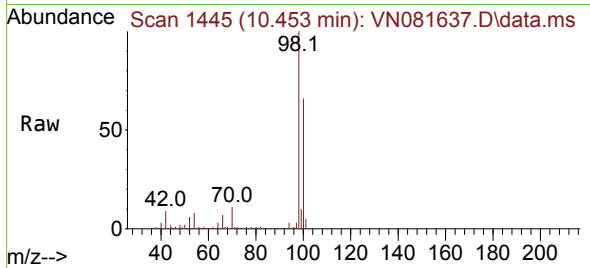




#55
1,1,2-Trichloroethane
Concen: 4.054 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.565 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

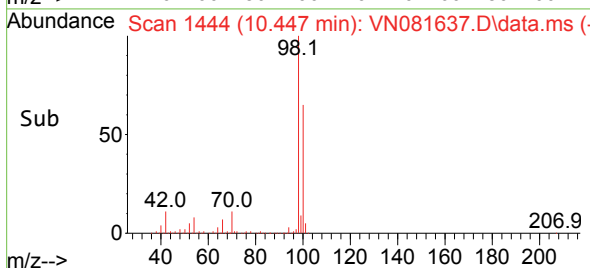
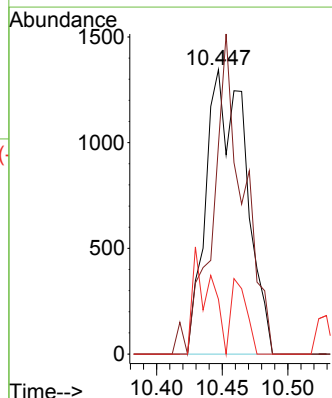
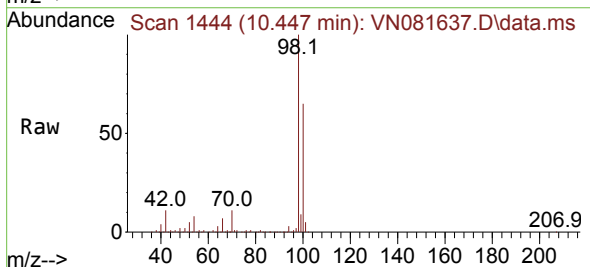
Instrument : MSVOA_N
ClientSampleId : VN0401MBL01

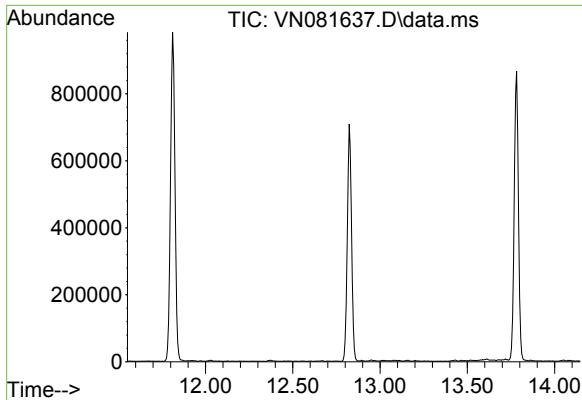
Tgt Ion:	97	Resp:	21058
Ion	Ratio	Lower	Upper
97	100		
83	3.3	72.9	109.3#
85	0.0	50.2	75.2#
99	334.4	49.6	74.4#



#56
Ethyl methacrylate
Concen: 0.975 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.429 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion:	69	Resp:	2853
Ion	Ratio	Lower	Upper
69	100		
41	86.1	61.0	91.6
39	10.3	31.8	47.6#



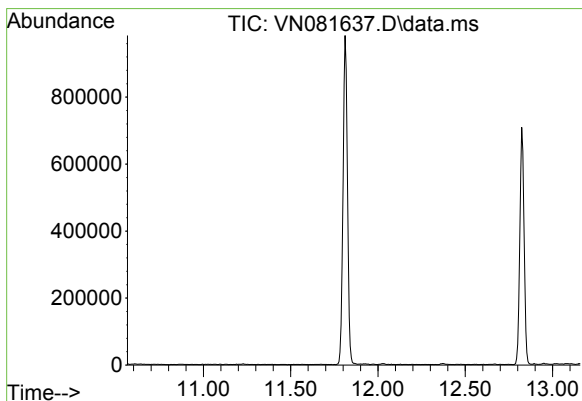
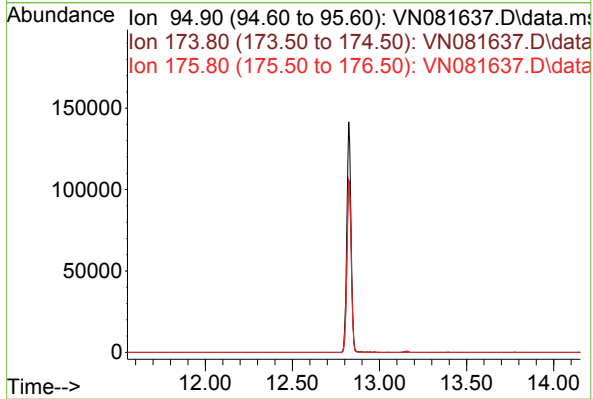


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.85 min
 Lab File: VN081637.D
 Acq: 01 Apr 2024 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBL01

Tgt Ion: 95

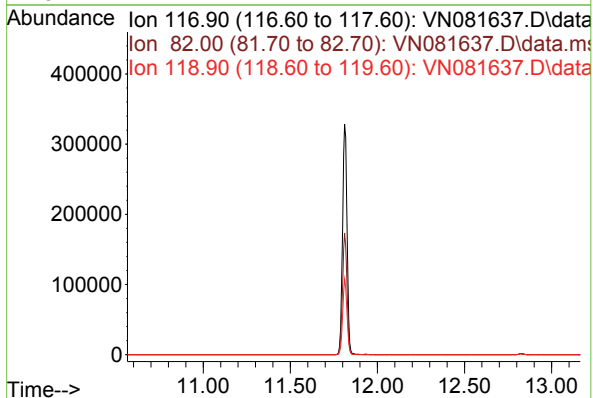
Sig	Exp Ratio
95	100
174	60.2
176	60.5

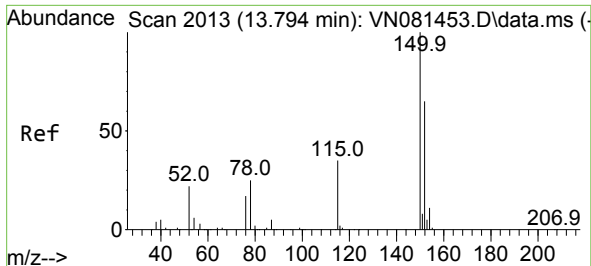


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.86 min
 Lab File: VN081637.D
 Acq: 01 Apr 2024 10:13

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	65.9
119	31.6

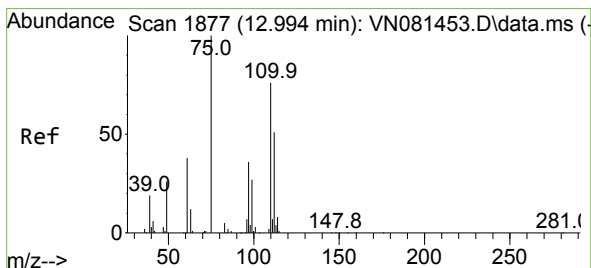
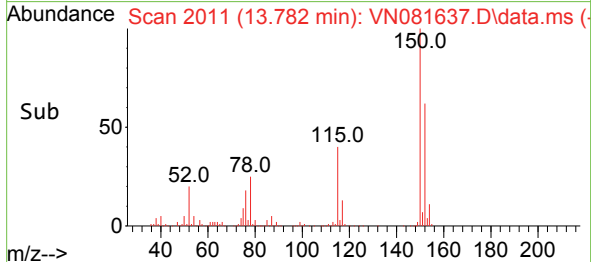
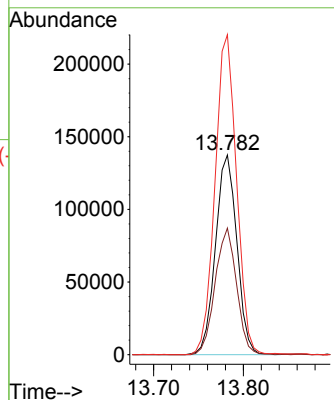
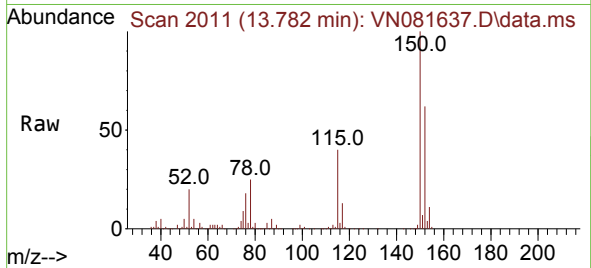




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.782 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VN081637.D
 Acq: 01 Apr 2024 10:13

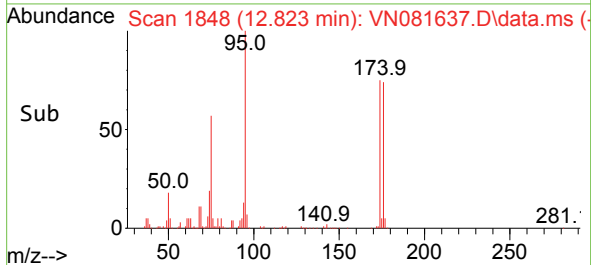
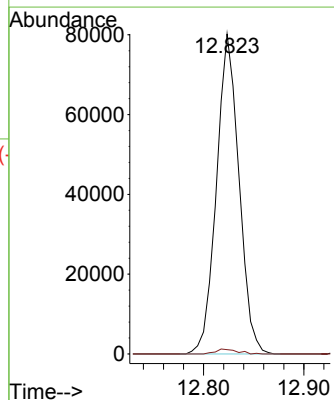
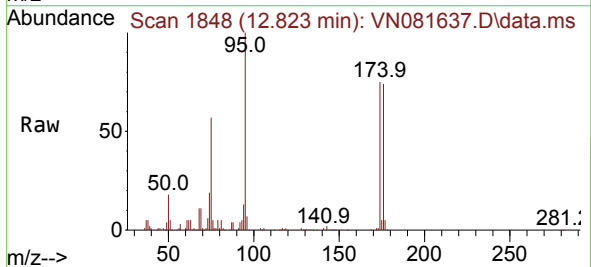
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBL01

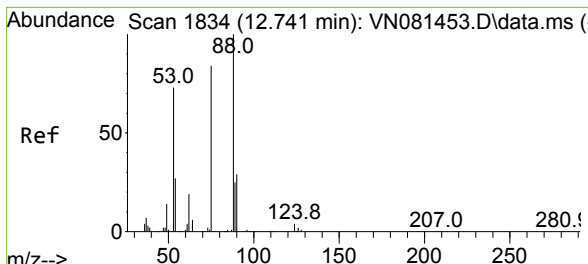
Tgt Ion:152 Resp: 227959
 Ion Ratio Lower Upper
 152 100
 115 63.4 32.3 96.8
 150 161.3 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 22.940 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.170 min
 Lab File: VN081637.D
 Acq: 01 Apr 2024 10:13

Tgt Ion: 75 Resp: 125087
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#

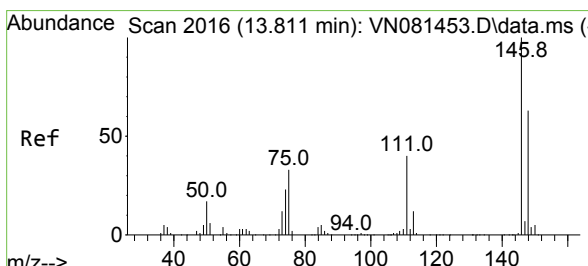
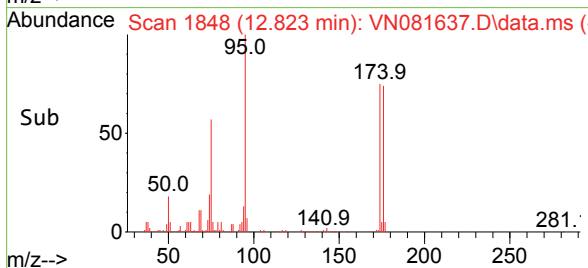
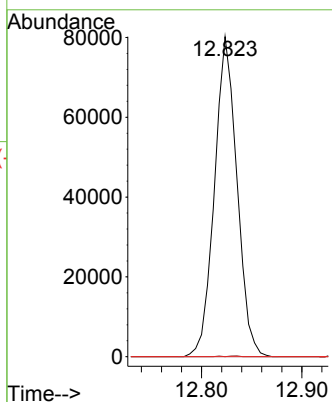
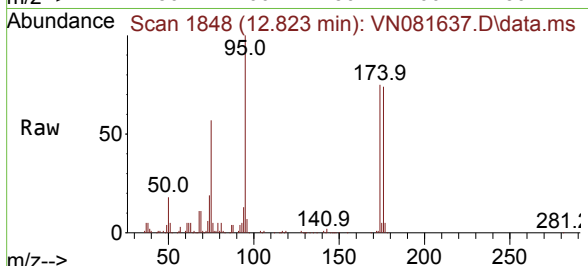




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.990 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. 0.082 min
 Lab File: VN081637.D
 Acq: 01 Apr 2024 10:13

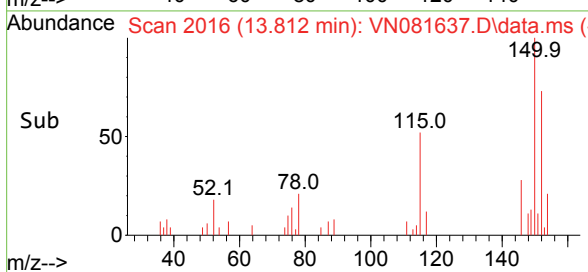
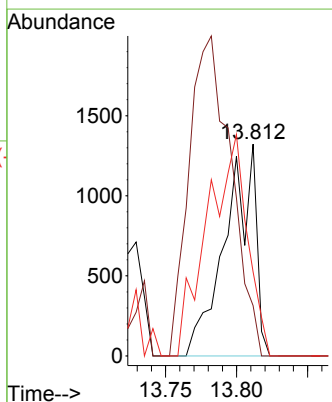
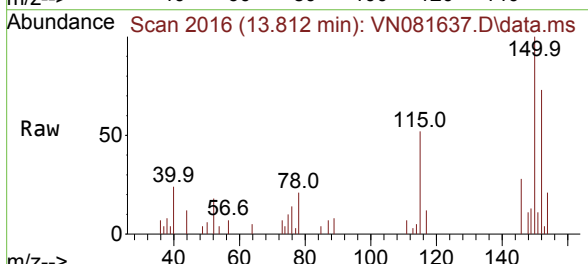
Instrument : MSVOA_N
 ClientSampleId : VN0401MBL01

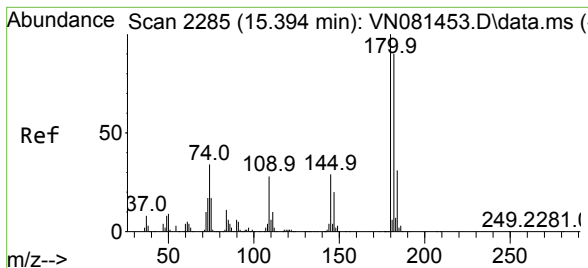
Tgt Ion:	75	Resp:	125087
Ion Ratio	Lower	Upper	
75	100		
53	0.2	71.4	107.2#
89	0.0	33.4	50.0#



#88
 1,4-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN081637.D
 Acq: 01 Apr 2024 10:13

Tgt Ion:	146	Resp:	1951
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.6	67.7#
148	138.7	31.9	95.5#

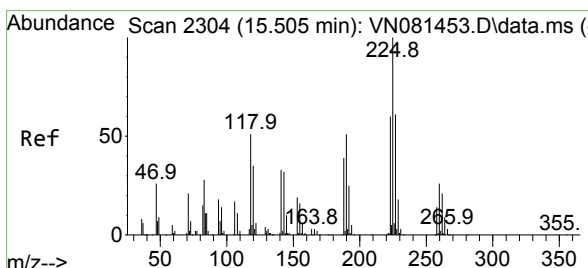
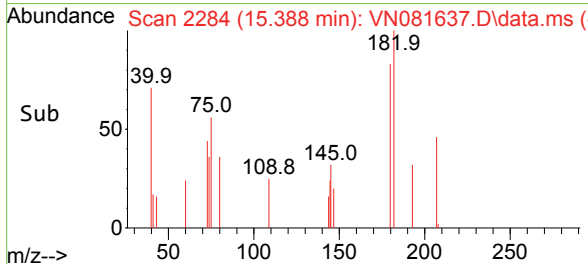
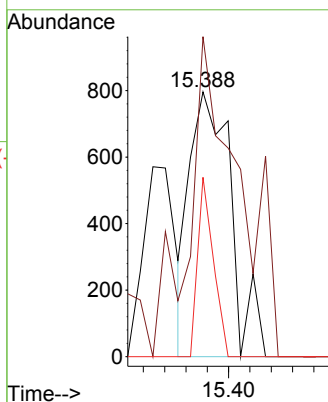
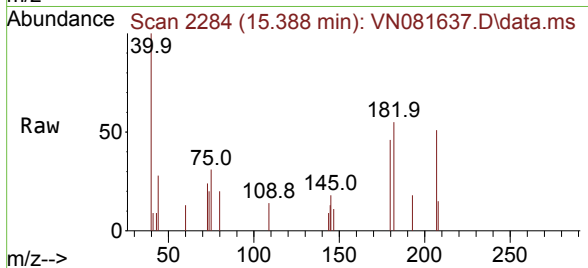




#93
1,2,4-Trichlorobenzene
Concen: 0.217 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

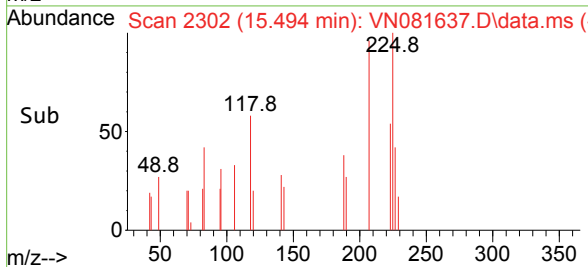
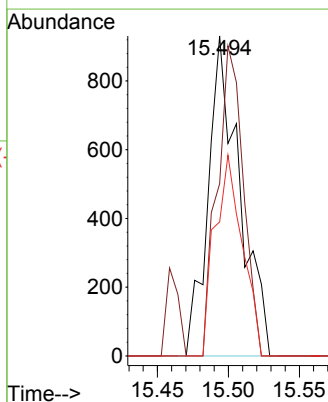
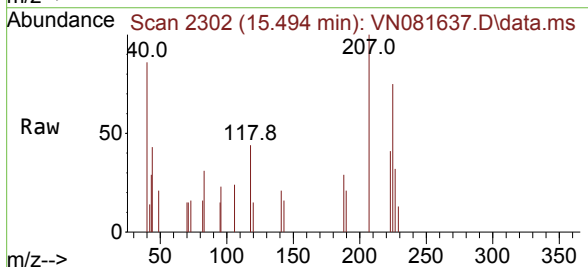
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

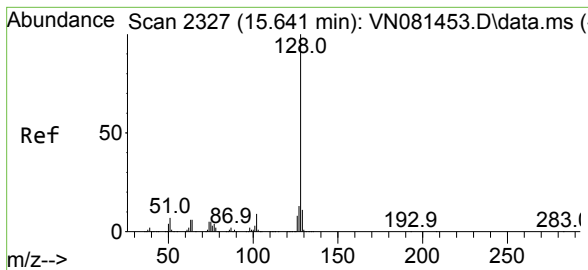
Tgt Ion:180 Resp: 1066
Ion Ratio Lower Upper
180 100
182 149.4 46.6 139.7#
145 25.9 16.8 50.3



#94
Hexachlorobutadiene
Concen: 0.664 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.012 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion:225 Resp: 1430
Ion Ratio Lower Upper
225 100
223 80.3 33.3 99.8
227 55.0 33.1 99.2

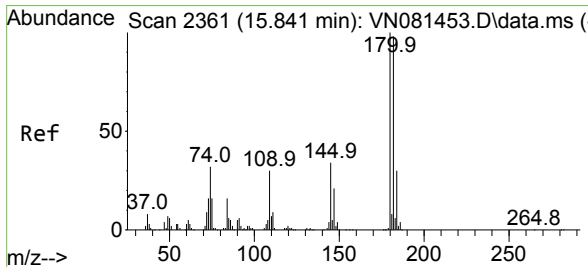
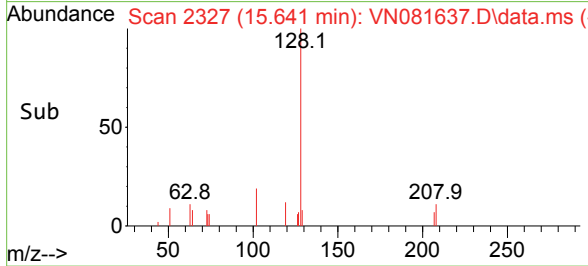
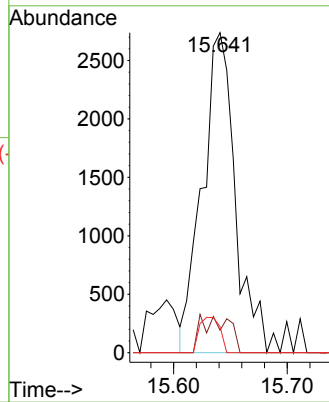
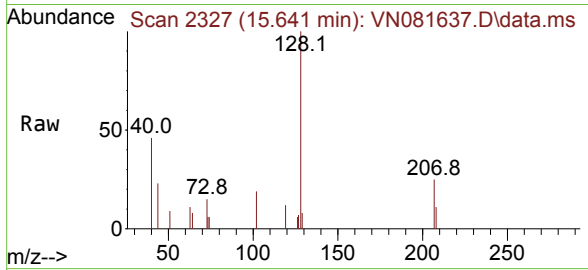




#95
Naphthalene
Concen: 0.348 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBL01

Tgt Ion:128 Resp: 5542
Ion Ratio Lower Upper
128 100
127 9.8 10.0 15.0#
129 6.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.410 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN081637.D
Acq: 01 Apr 2024 10:13

Tgt Ion:180 Resp: 2025
Ion Ratio Lower Upper
180 100
182 100.3 46.5 139.3
145 31.4 17.8 53.4

