

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041524\
 Data File : VN081742.D
 Acq On : 15 Apr 2024 17:10
 Operator : JC\MD
 Sample : P2108-03
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 286ME

Quant Time: Apr 15 23:29:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

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

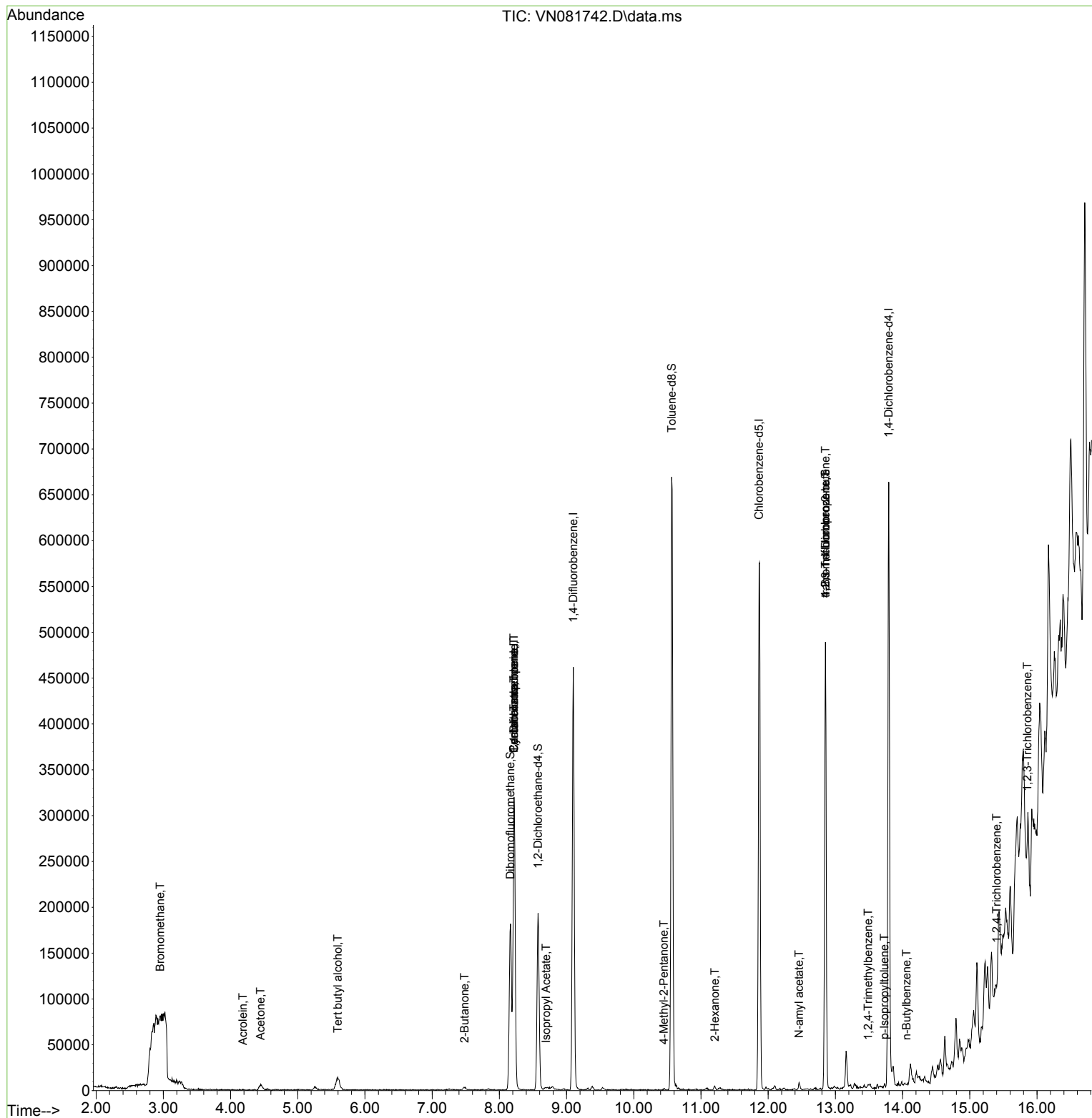
Internal Standards						
1) Pentafluorobenzene	8.218	168	222826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	386820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	342304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	168533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158987	50.705	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.420%	
35) Dibromofluoromethane	8.165	113	128055	50.132	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.260%	
50) Toluene-d8	10.565	98	469900	49.936	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.880%	
62) 4-Bromofluorobenzene	12.853	95	160018	49.762	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 99.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	382	Below Cal	#	43
5) Bromomethane	2.954	94	463	0.222	ug/l #	1
6) Chloroethane	3.130	64	83	Below Cal	#	44
11) Tert butyl alcohol	5.595	59	24369	56.975	ug/l	95
13) Acrolein	4.183	56	273	0.600	ug/l #	44
16) Acetone	4.448	43	11680	13.384	ug/l	91
20) Methylene Chloride	5.259	84	2613	Below Cal		92
25) 2-Butanone	7.483	43	2039	1.417	ug/l	97
31) Cyclohexane	8.218	56	5330	1.239	ug/l #	42
36) 1,1-Dichloropropene	8.218	75	18467	5.189	ug/l #	47
38) Carbon Tetrachloride	8.218	117	24867	6.006	ug/l #	16
43) Isopropyl Acetate	8.694	43	1711	0.314	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	1436	0.473	ug/l	99
59) 2-Hexanone	11.206	43	2275	1.036	ug/l	99
74) N-amyl acetate	12.459	43	4784	1.040	ug/l #	45
76) 1,2,3-Trichloropropane	12.853	75	88580	27.173	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88580	64.311	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.488	105	2584	0.248	ug/l	96
86) p-Isopropyltoluene	13.729	119	2118	0.205	ug/l	88
89) n-Butylbenzene	14.059	91	1940	0.215	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.788	75	68	Below Cal	#	2
93) 1,2,4-Trichlorobenzene	15.400	180	1692	0.551	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.859	180	4259	1.357	ug/l #	21

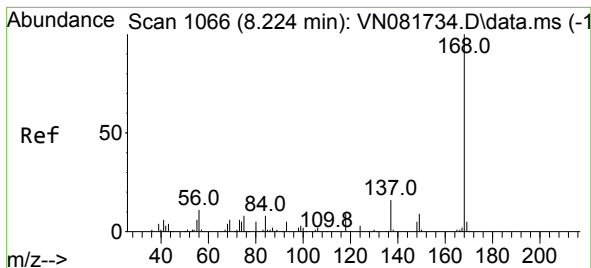
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 15 15:37:39 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.218 min Scan# 10

Delta R.T. -0.006 min

Lab File: VN081742.D

Acq: 15 Apr 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :

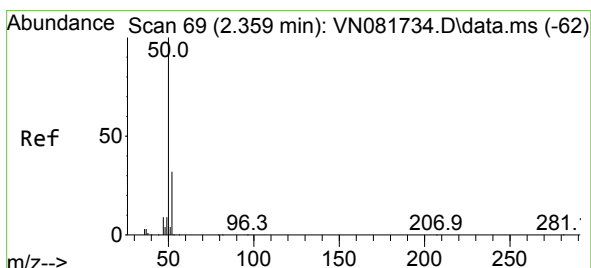
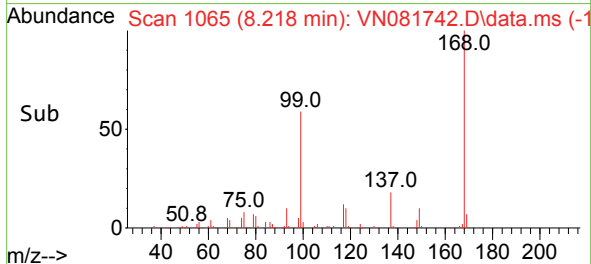
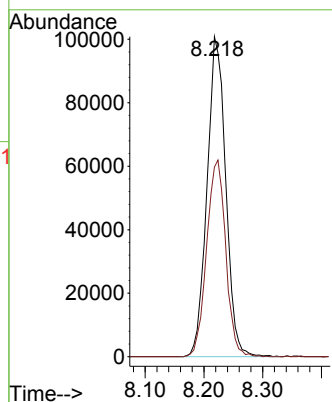
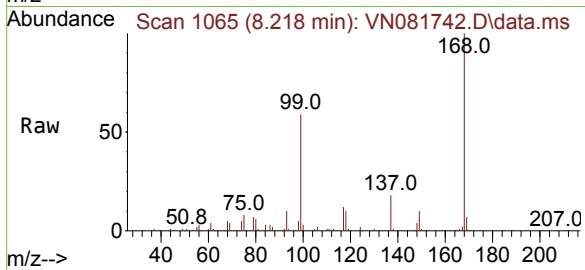
286ME

Tgt Ion:168 Resp: 222826

Ion Ratio Lower Upper

168 100

99 59.3 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081742.D

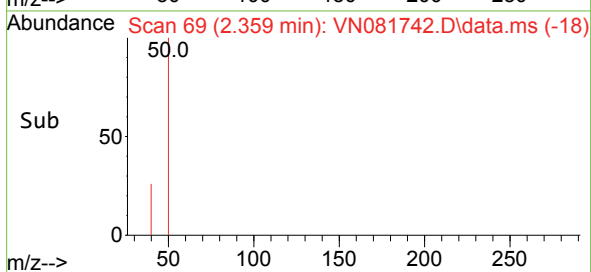
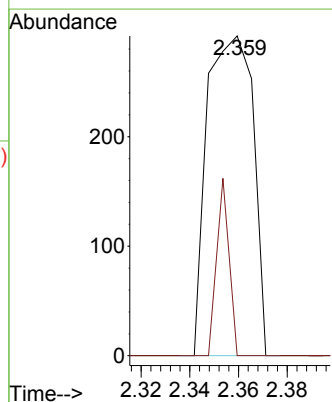
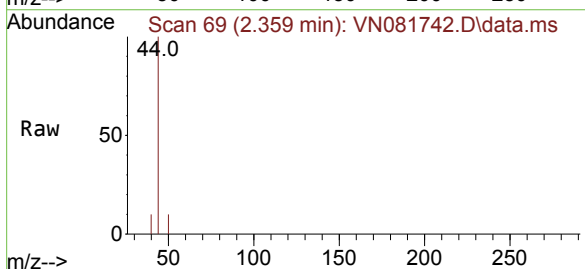
Acq: 15 Apr 2024 17:10

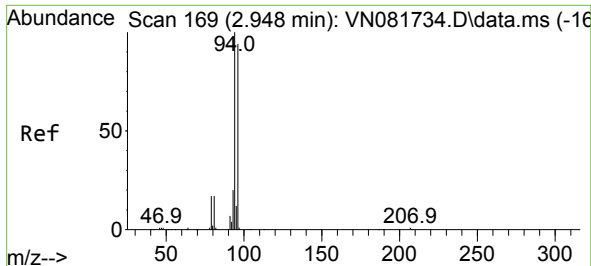
Tgt Ion: 50 Resp: 382

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

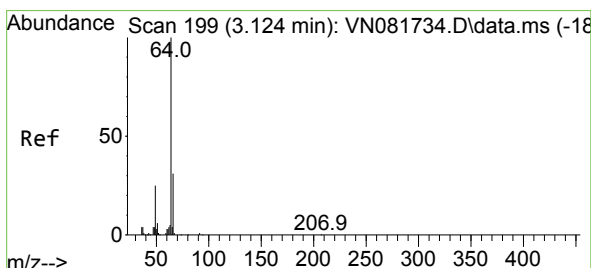
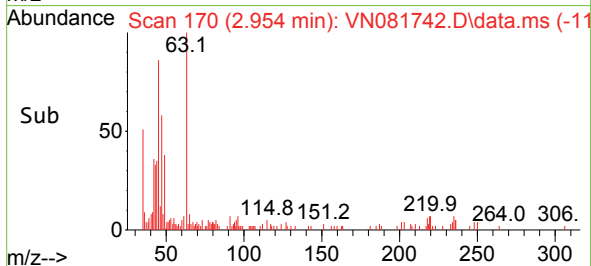
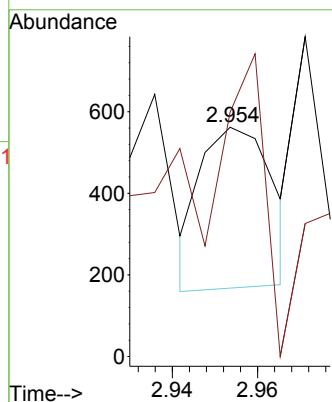
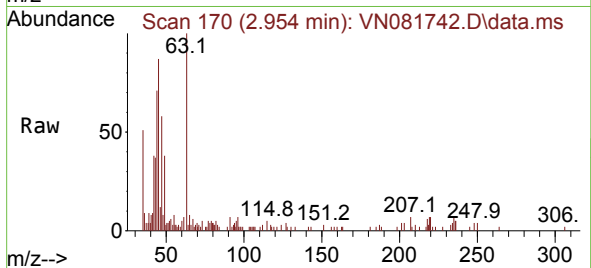




#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

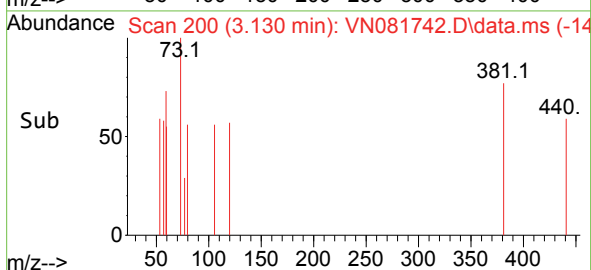
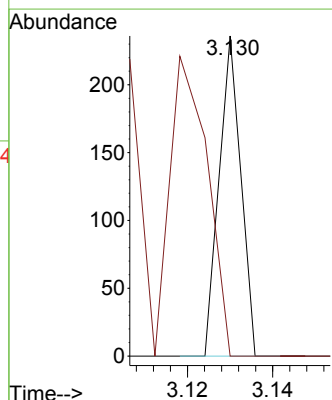
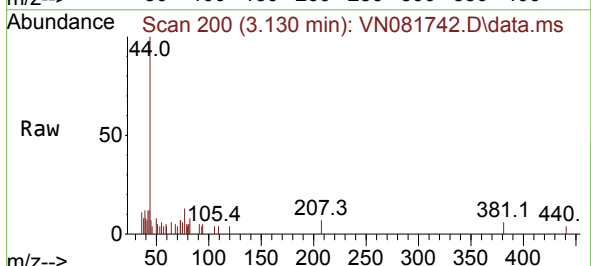
Instrument :
MSVOA_N
ClientSampleId :
286ME

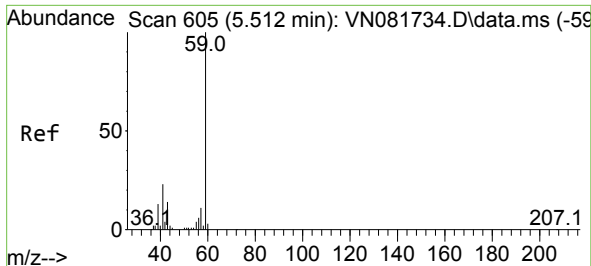
Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 306.0 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#11

Tert butyl alcohol

Concen: 56.975 ug/l

RT: 5.595 min Scan# 61

Delta R.T. 0.083 min

Lab File: VN081742.D

Acq: 15 Apr 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :

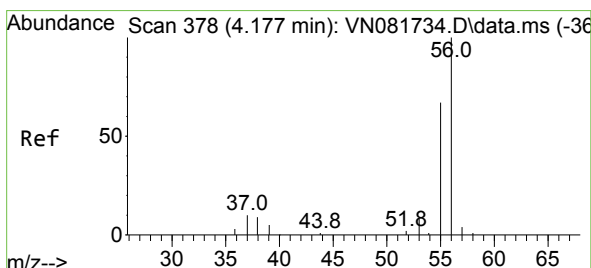
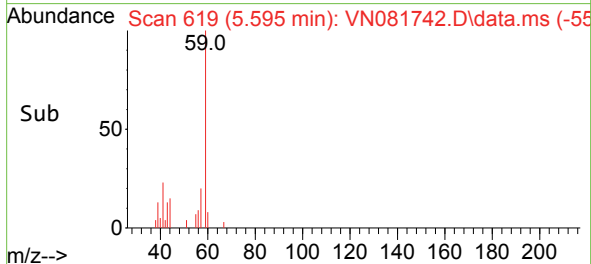
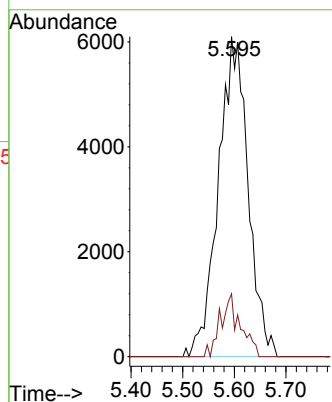
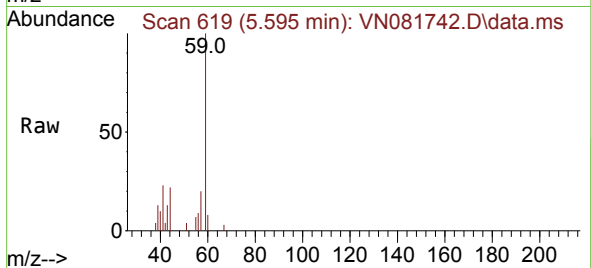
286ME

Tgt Ion: 59 Resp: 24369

Ion Ratio Lower Upper

59 100

57 13.1 8.9 13.3



#13

Acrolein

Concen: 0.600 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081742.D

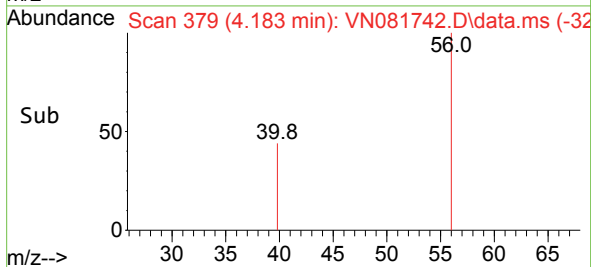
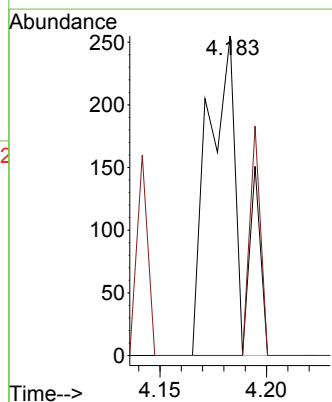
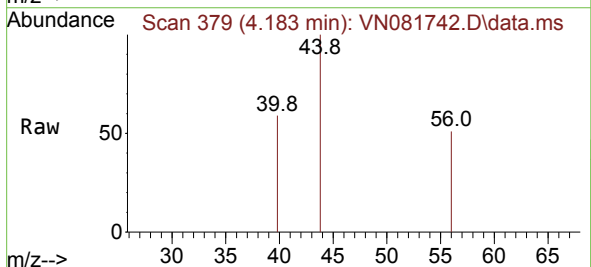
Acq: 15 Apr 2024 17:10

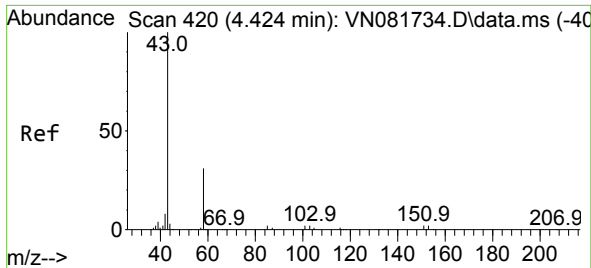
Tgt Ion: 56 Resp: 273

Ion Ratio Lower Upper

56 100

55 23.8 55.8 83.8#





#16

Acetone

Concen: 13.384 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN081742.D

Acq: 15 Apr 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :

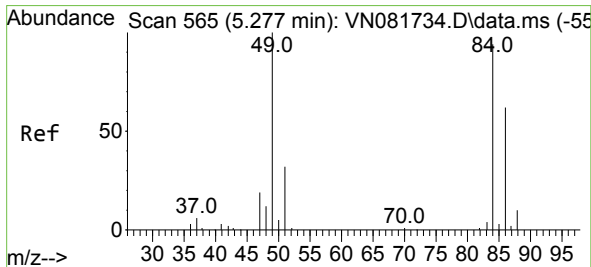
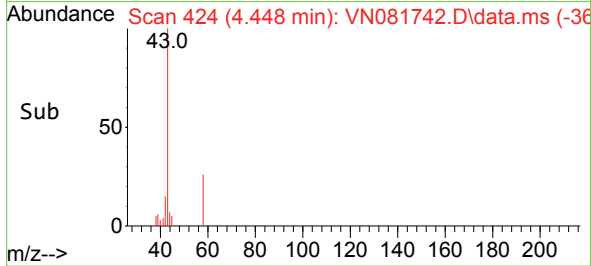
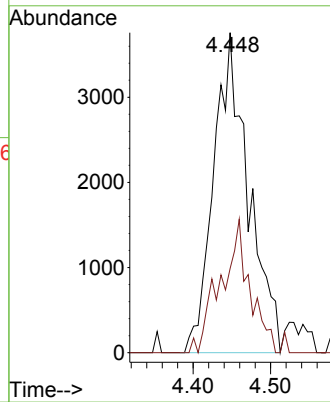
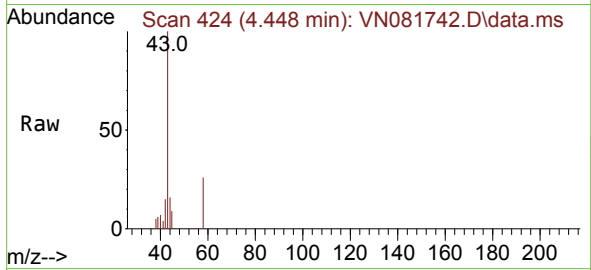
286ME

Tgt Ion: 43 Resp: 11680

Ion Ratio Lower Upper

43 100

58 26.3 25.2 37.8



#20

Methylene Chloride

Concen: Below Cal

RT: 5.259 min Scan# 562

Delta R.T. -0.018 min

Lab File: VN081742.D

Acq: 15 Apr 2024 17:10

Tgt Ion: 84 Resp: 2613

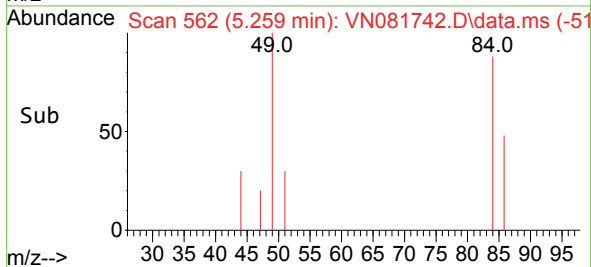
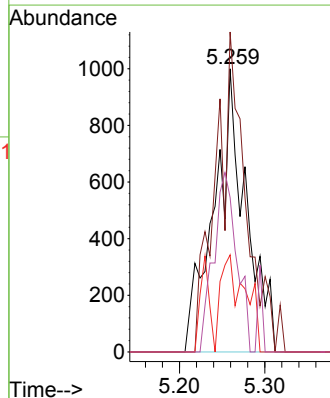
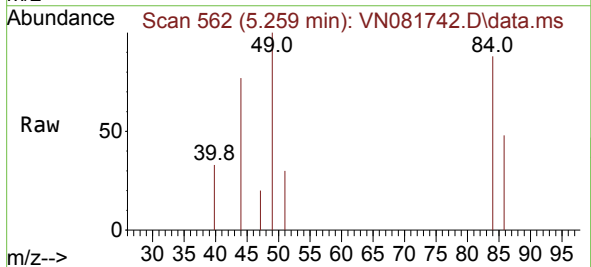
Ion Ratio Lower Upper

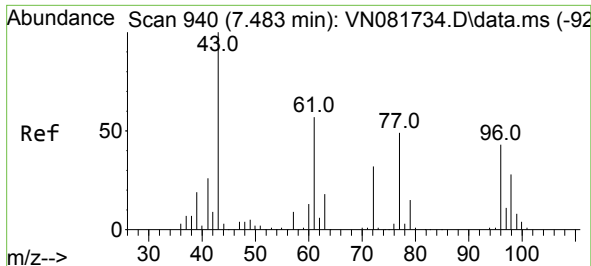
84 100

49 113.0 84.9 127.3

51 34.3 27.0 40.6

86 54.5 52.3 78.5

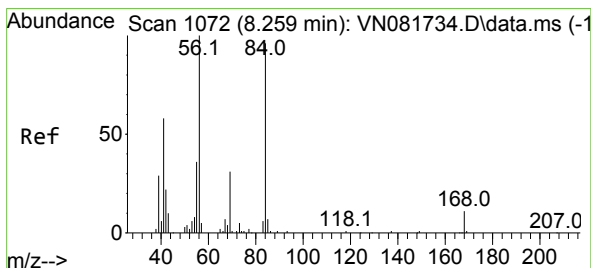
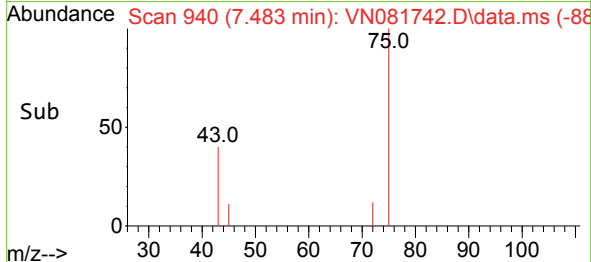
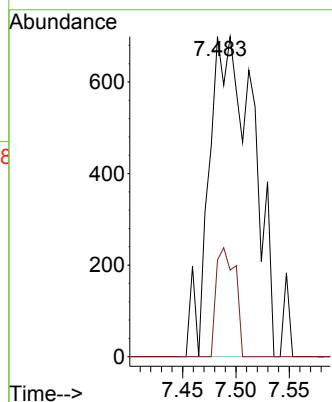
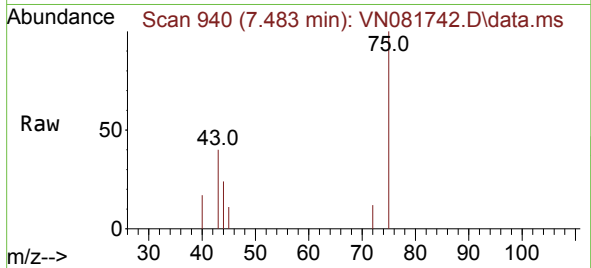




#25
2-Butanone
Concen: 1.417 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

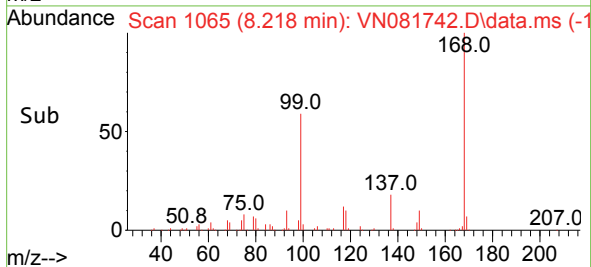
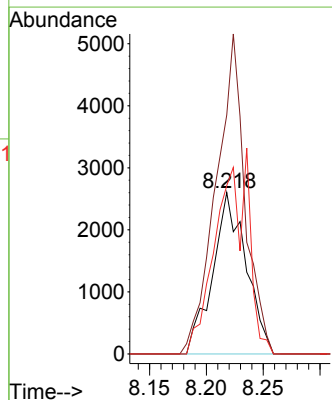
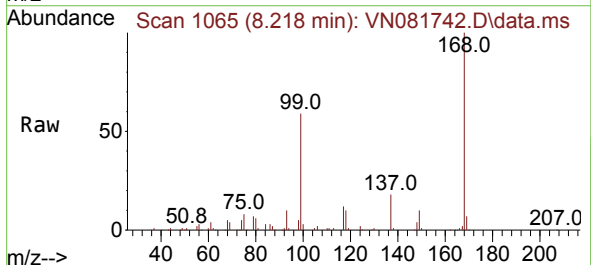
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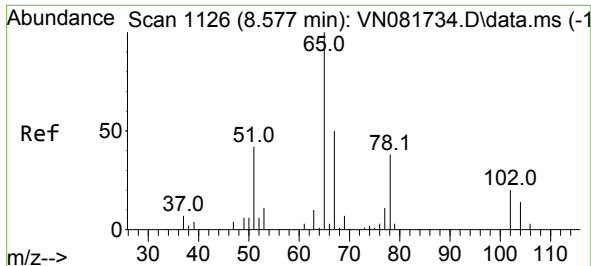
Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
72 30.2 25.3 37.9



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Tgt Ion: 56 Resp: 5330
Ion Ratio Lower Upper
56 100
69 148.0 24.4 36.6#
84 104.2 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 50.705 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081742.D

Acq: 15 Apr 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :

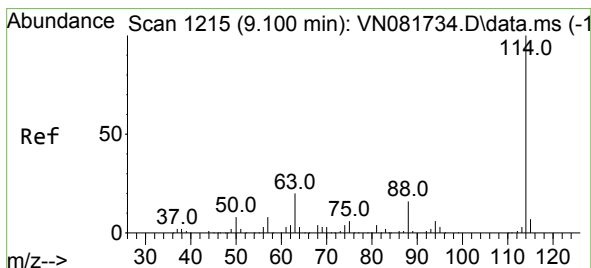
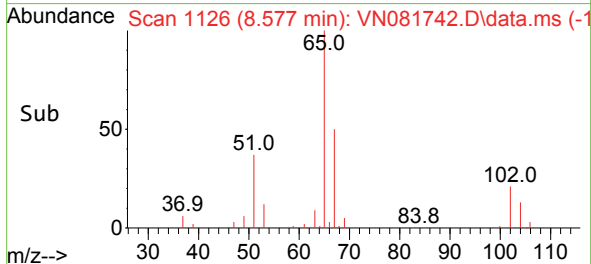
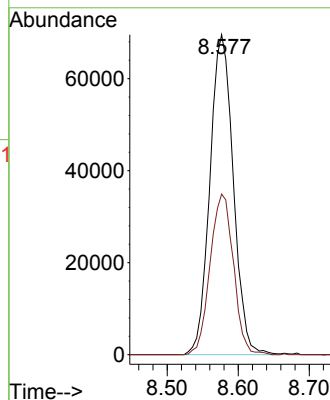
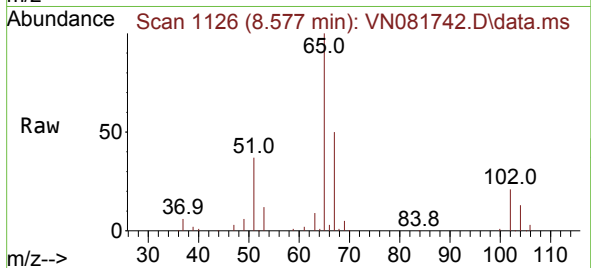
286ME

Tgt Ion: 65 Resp: 158987

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081742.D

Acq: 15 Apr 2024 17:10

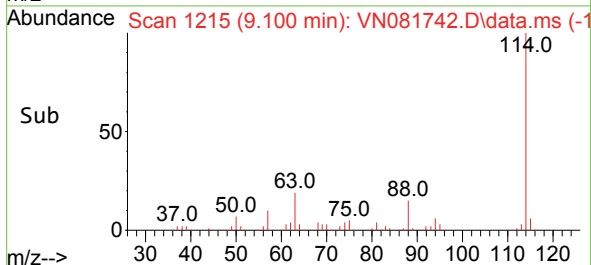
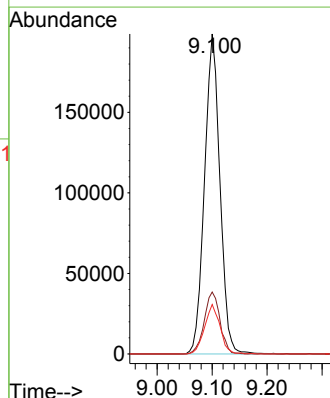
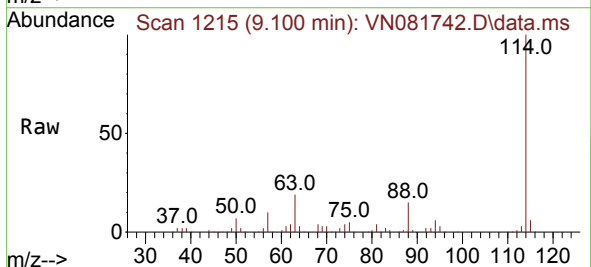
Tgt Ion: 114 Resp: 386820

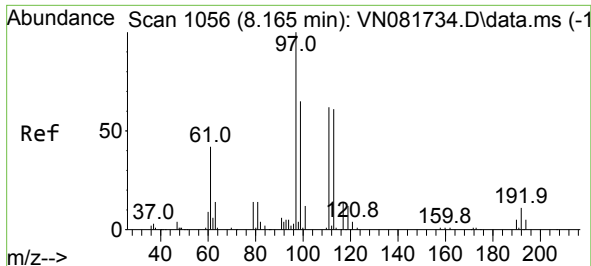
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 15.5 0.0 31.4

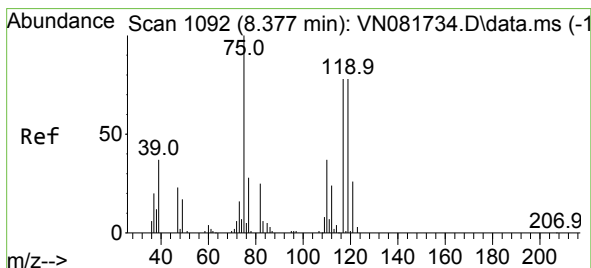
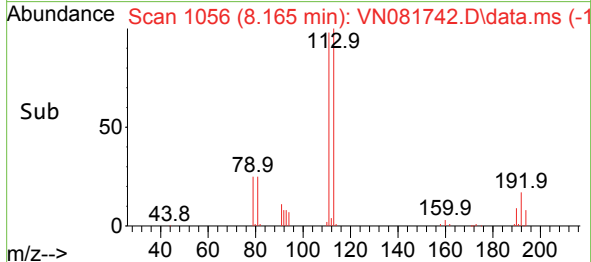
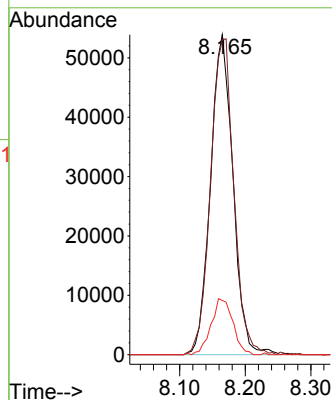
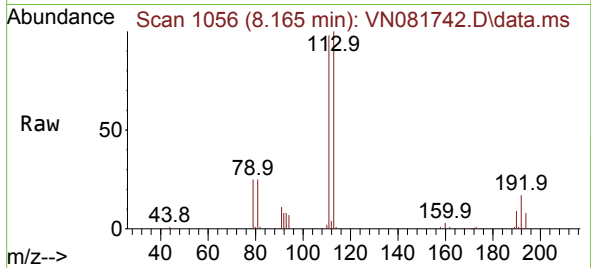




#35
 Dibromofluoromethane
 Concen: 50.132 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VN081742.D
 Acq: 15 Apr 2024 17:10

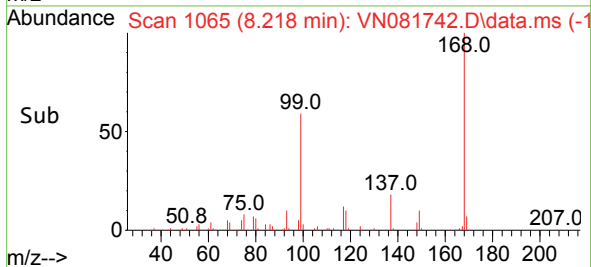
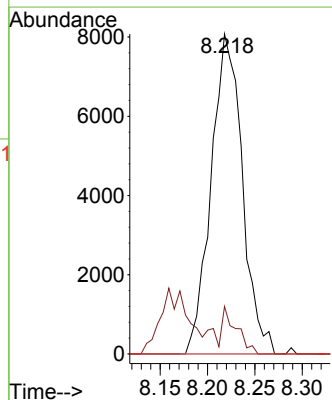
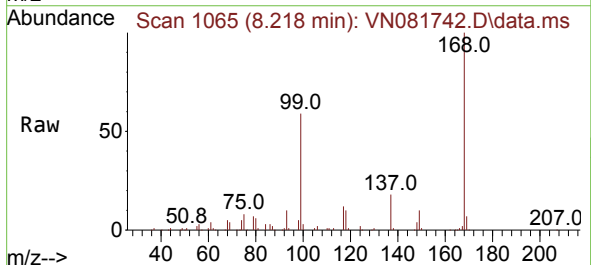
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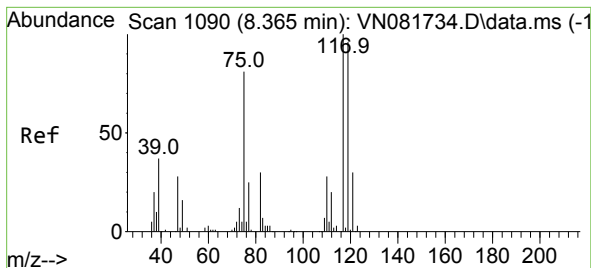
Tgt Ion:113 Resp: 128055
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.2
 192 17.0 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.189 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.159 min
 Lab File: VN081742.D
 Acq: 15 Apr 2024 17:10

Tgt Ion: 75 Resp: 18467
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.006 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN081742.D

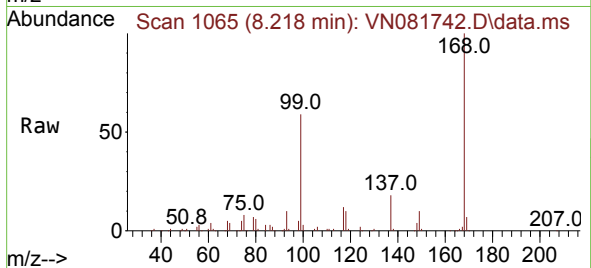
Acq: 15 Apr 2024 17:10

Instrument :

MSVOA_N

ClientSampleId :

286ME



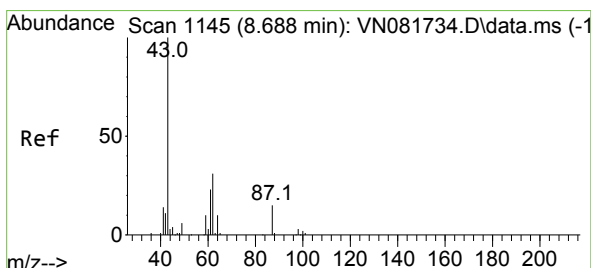
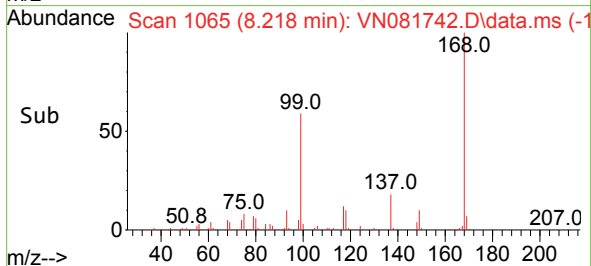
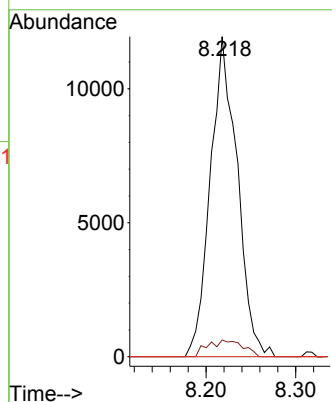
Tgt Ion:117 Resp: 24867

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 0.314 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN081742.D

Acq: 15 Apr 2024 17:10

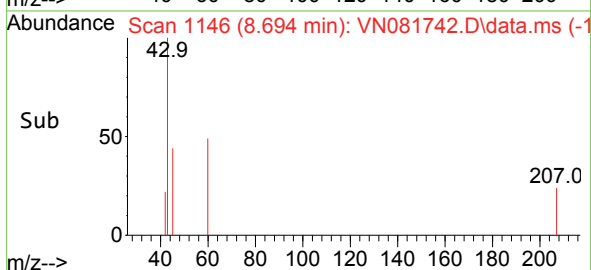
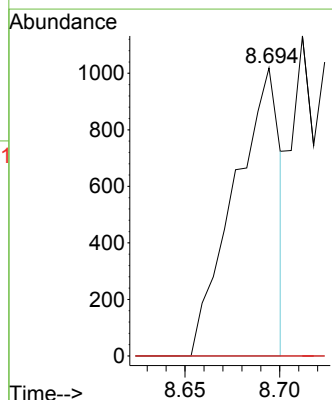
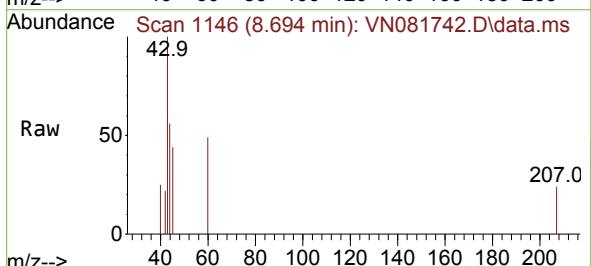
Tgt Ion: 43 Resp: 1711

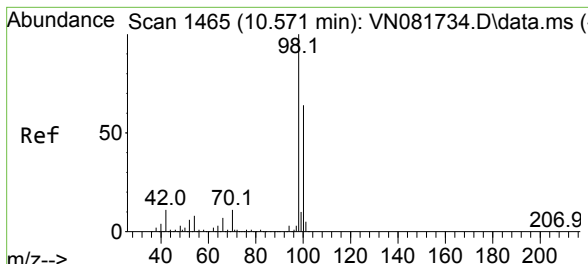
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 12.0 18.0#

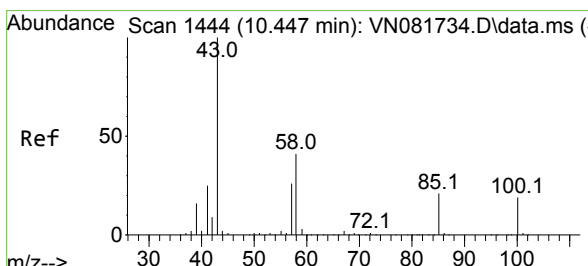
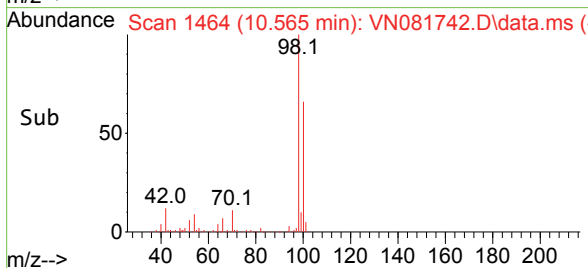
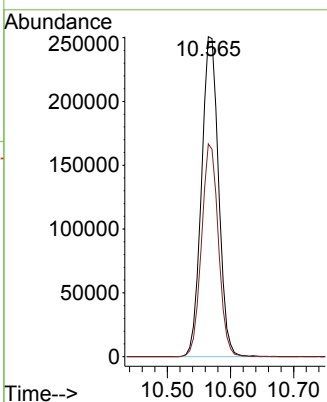
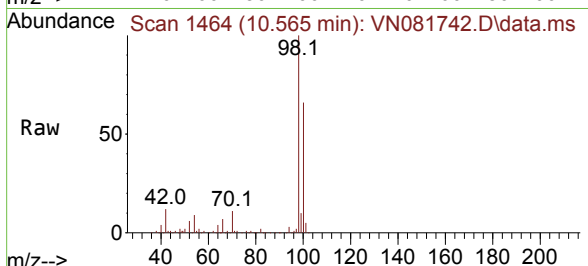




#50
Toluene-d8
Concen: 49.936 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

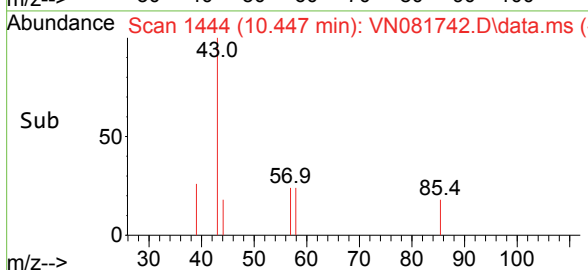
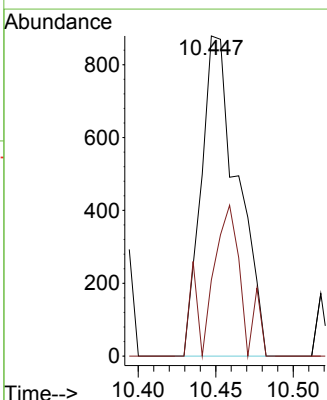
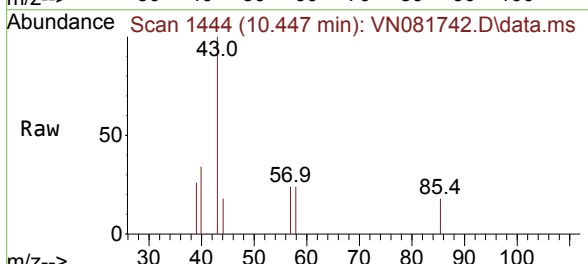
Instrument :
MSVOA_N
ClientSampleId :
286ME

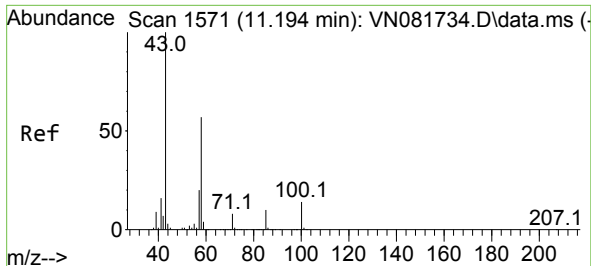
Tgt Ion: 98 Resp: 469900
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.473 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Tgt Ion: 43 Resp: 1436
Ion Ratio Lower Upper
43 100
58 41.1 33.2 49.8

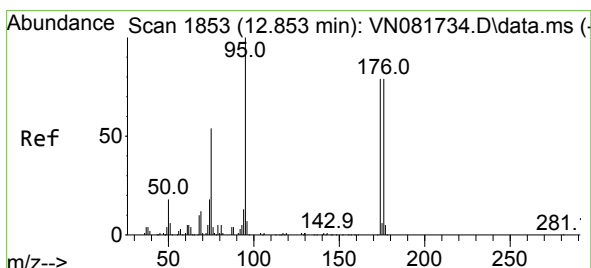
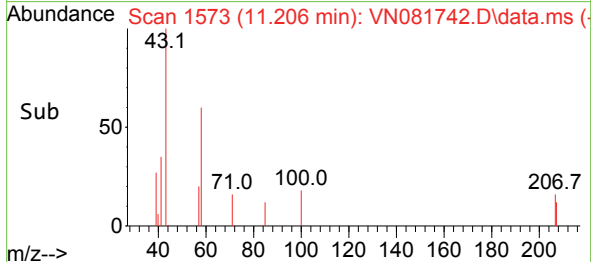
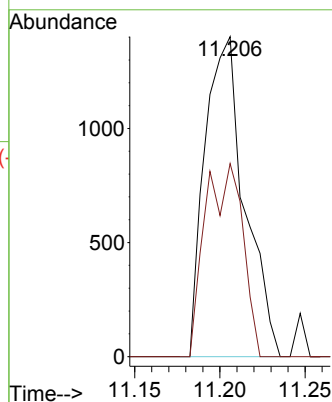
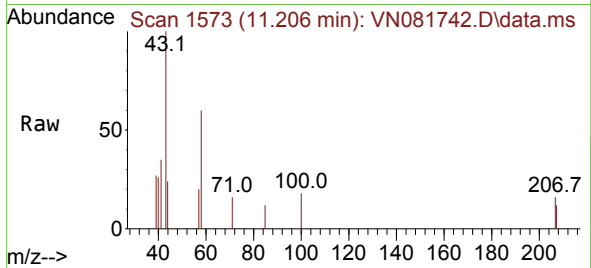




#59
2-Hexanone
Concen: 1.036 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

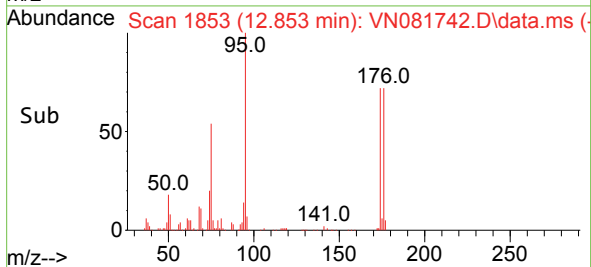
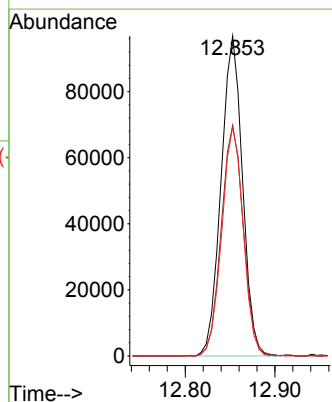
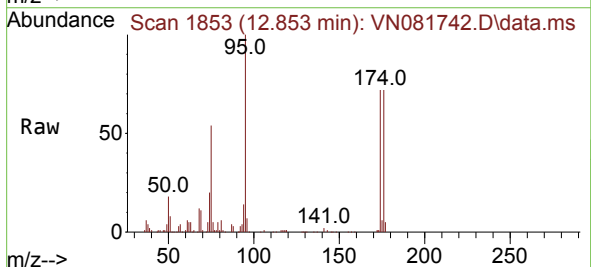
Instrument :
MSVOA_N
ClientSampleId :
286ME

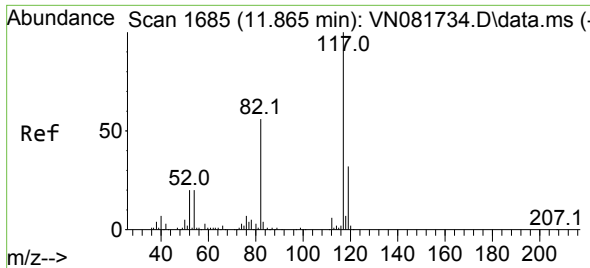
Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
58 57.0 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 49.762 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Tgt Ion: 95 Resp: 160018
Ion Ratio Lower Upper
95 100
174 74.6 0.0 160.6
176 71.8 0.0 152.8

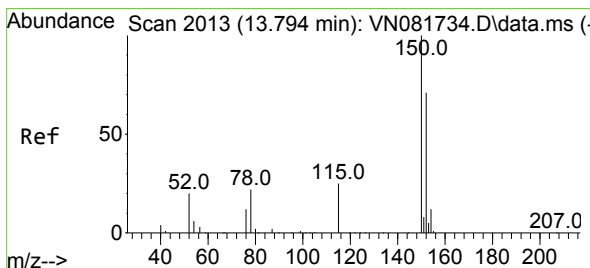
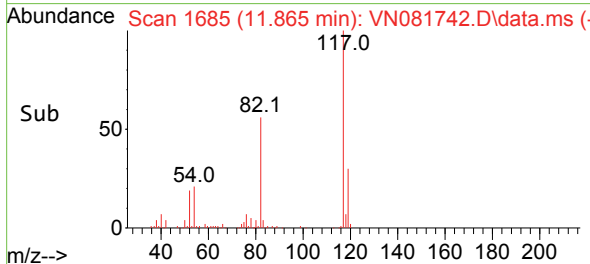
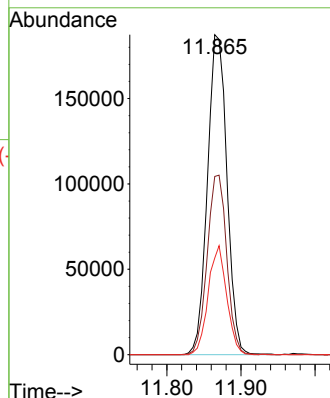
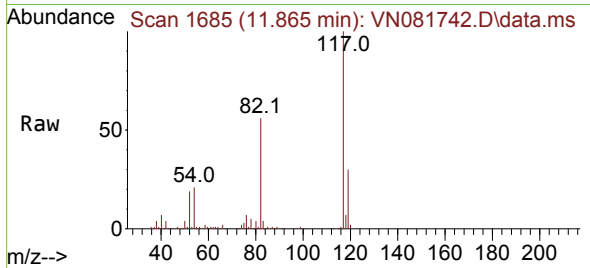




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

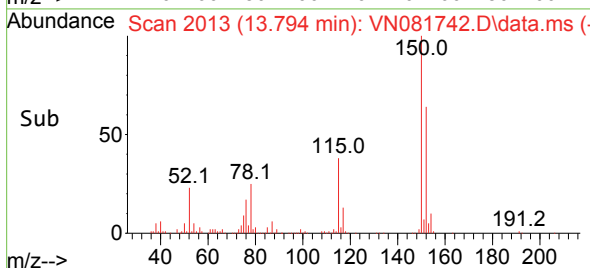
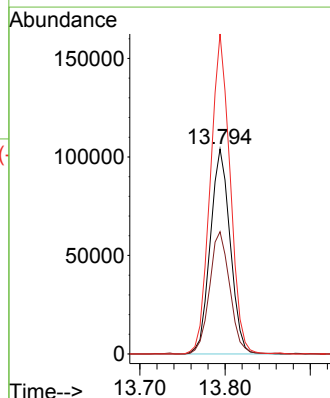
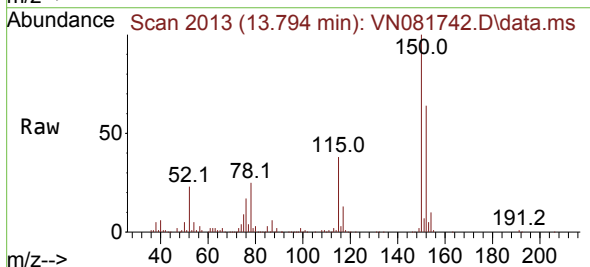
Instrument :
MSVOA_N
ClientSampleId :
286ME

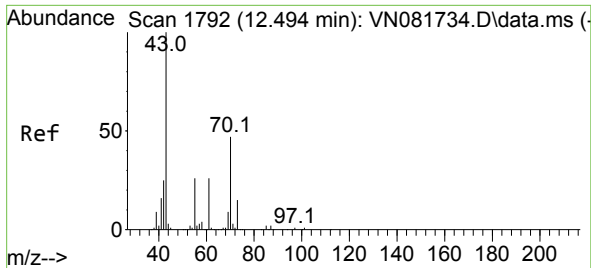
Tgt Ion:117 Resp: 342304
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 30.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

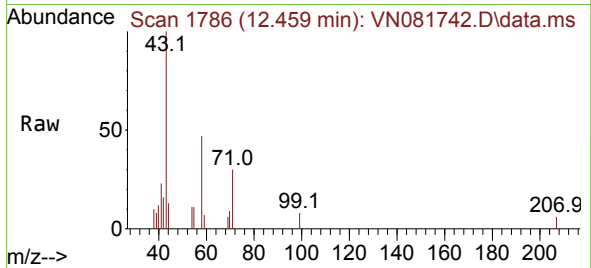
Tgt Ion:152 Resp: 168533
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 155.4 0.0 353.2



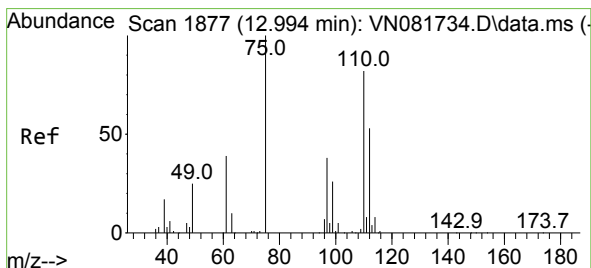
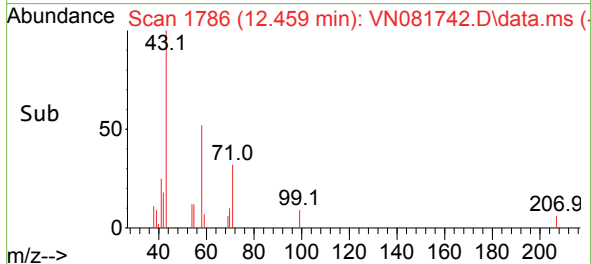
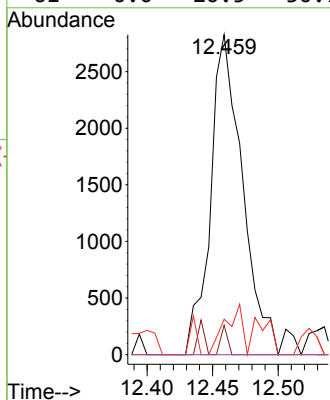


#74
N-amy1 acetate
Concen: 1.040 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Instrument :
MSVOA_N
ClientSampleId :
286ME

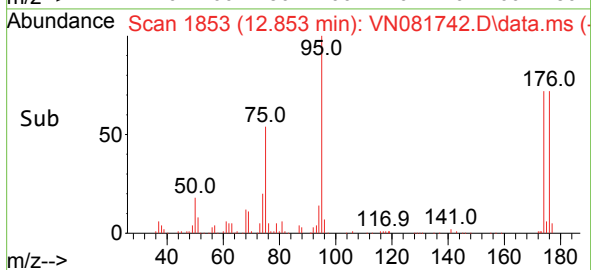
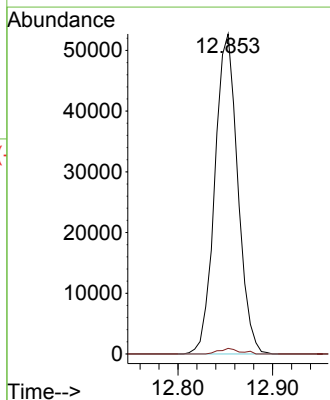
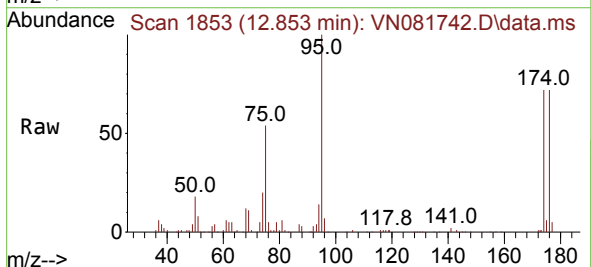


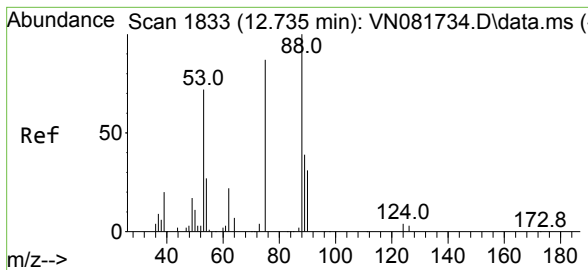
Tgt	Ion: 43	Resp:	4784
Ion	Ratio	Lower	Upper
43	100		
70	1.9	39.0	58.4#
55	8.5	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 27.173 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Tgt Ion: 75	Resp: 88580
Ion Ratio	Lower Upper
75 100	
77 1.6	90.5 271.3#

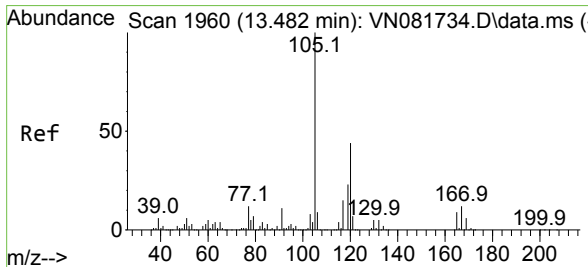
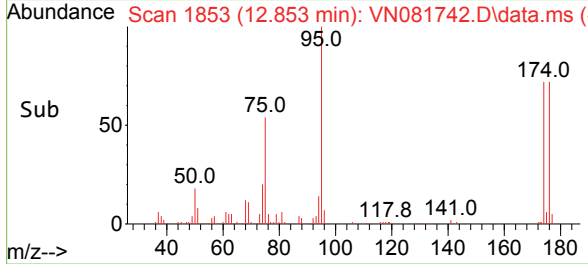
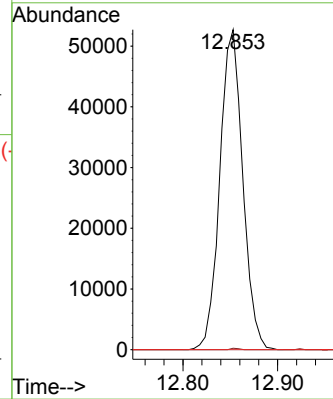
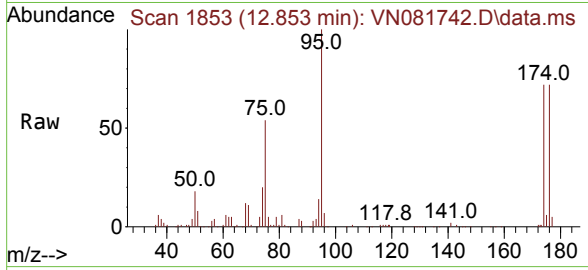




#81
trans-1,4-Dichloro-2-butene
Concen: 64.311 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

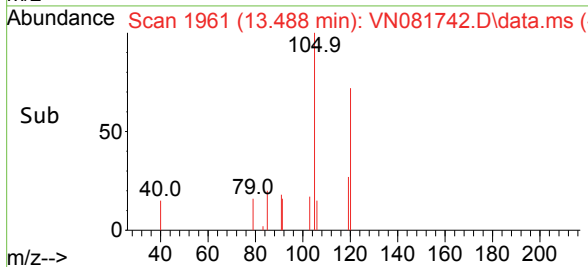
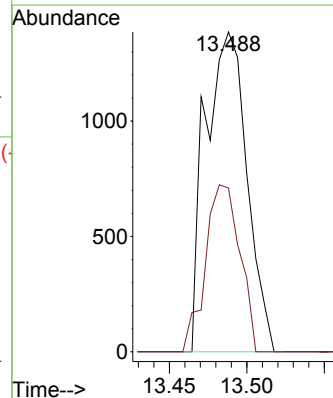
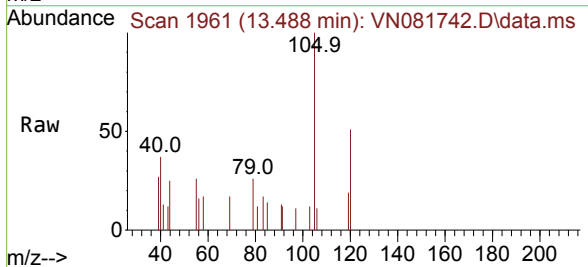
Instrument :
MSVOA_N
ClientSampleId :
286ME

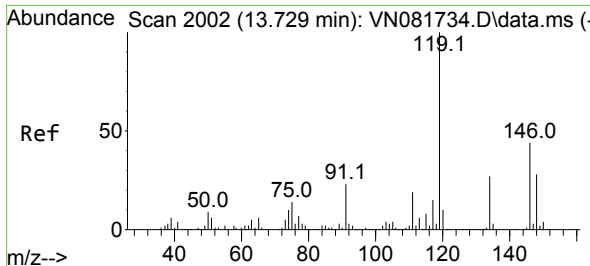
Tgt Ion: 75 Resp: 88580
Ion Ratio Lower Upper
75 100
53 0.2 72.9 109.3#
89 0.0 39.1 58.7#



#84
1,2,4-Trimethylbenzene
Concen: 0.248 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Tgt Ion: 105 Resp: 2584
Ion Ratio Lower Upper
105 100
120 43.3 22.9 68.7

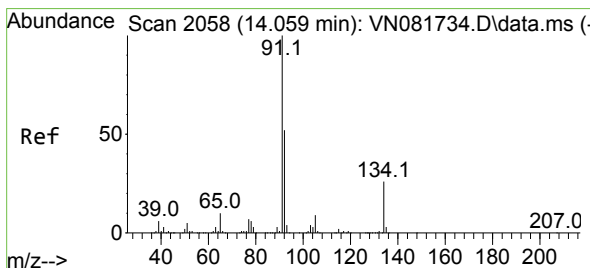
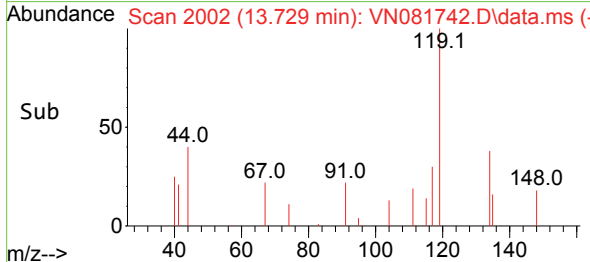
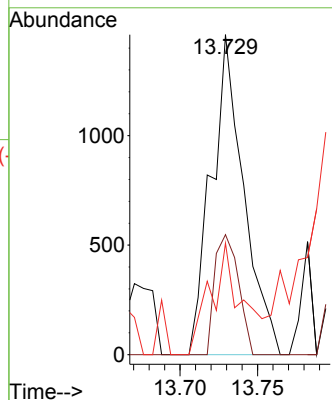
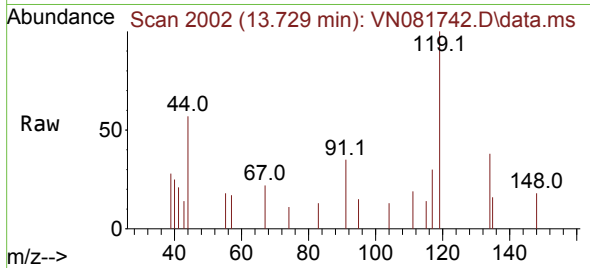




#86
p-Isopropyltoluene
Concen: 0.205 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

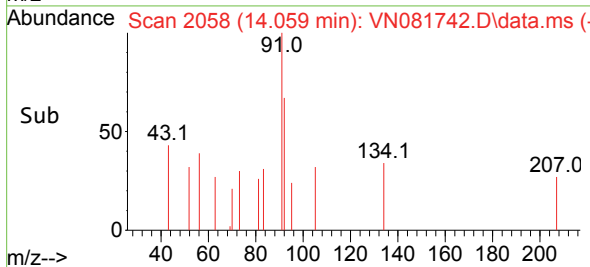
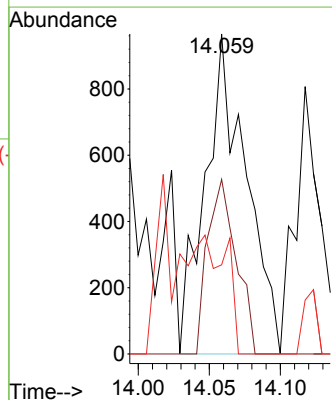
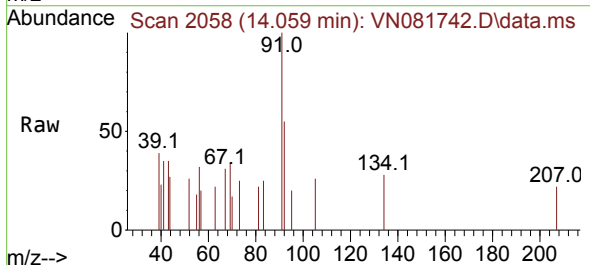
Instrument :
MSVOA_N
ClientSampleId :
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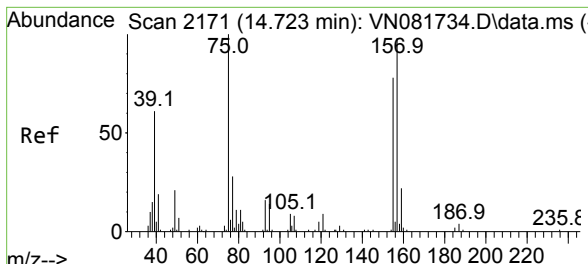
Tgt Ion:	119	Resp:	2118
Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.2	39.5
91	34.2	11.8	35.3



#89
n-Butylbenzene
Concen: 0.215 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN081742.D
Acq: 15 Apr 2024 17:10

Tgt Ion:	91	Resp:	1940
Ion	Ratio	Lower	Upper
91	100		
92	38.2	26.2	78.5
134	28.4	13.2	39.5

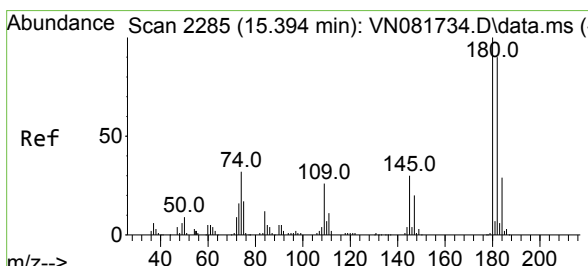
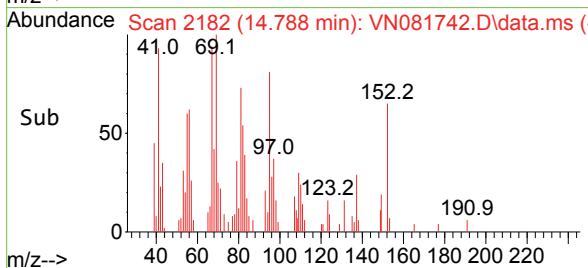
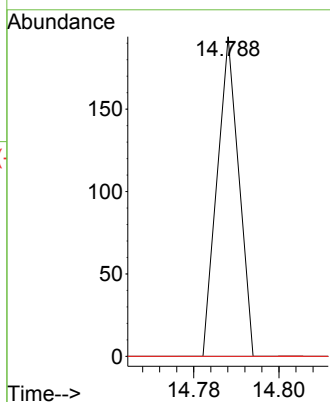
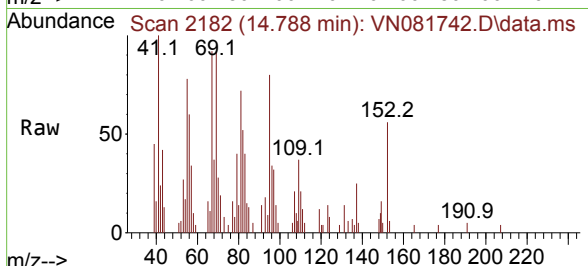




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.788 min Scan# 2171
 Delta R.T. 0.065 min
 Lab File: VN081742.D
 Acq: 15 Apr 2024 17:10

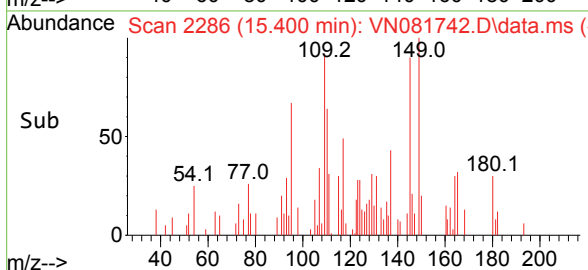
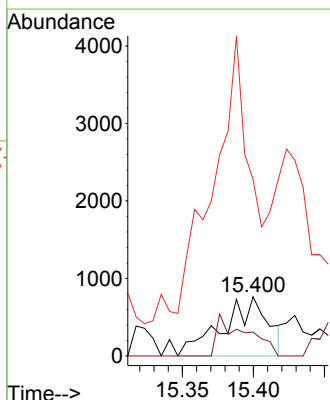
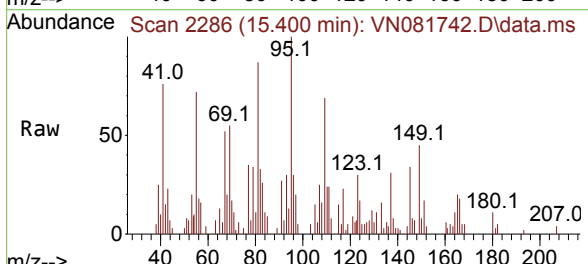
Instrument :
 MSVOA_N
 ClientSampleId :
 286ME

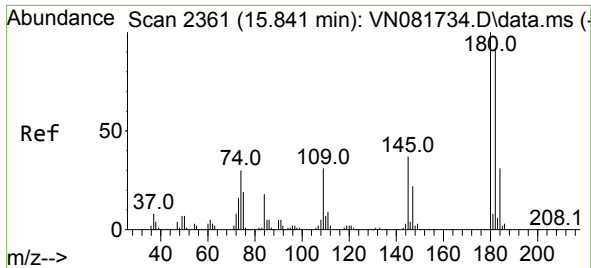
Tgt Ion: 75 Resp: 68
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.6 128.0#
 157 0.0 53.0 159.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.551 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. 0.006 min
 Lab File: VN081742.D
 Acq: 15 Apr 2024 17:10

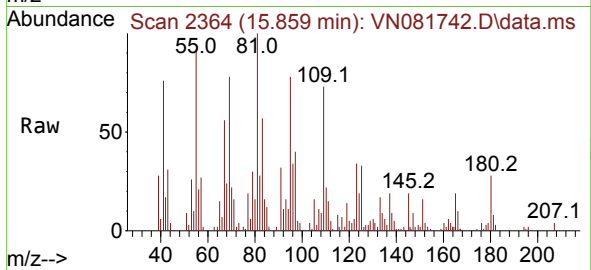
Tgt Ion: 180 Resp: 1692
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.0#
 145 530.9 16.2 48.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.357 ug/l
 RT: 15.859 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN081742.D
 Acq: 15 Apr 2024 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 286ME



Tgt Ion:	180	Resp:	4259
Ion Ratio	Lower	Upper	
180	100		
182	9.5	46.0	137.8#
145	0.0	17.1	51.3#

