

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070224\
 Data File : VN082783.D
 Acq On : 02 Jul 2024 13:47
 Operator : JC\MD
 Sample : VN0702MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 00:29:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

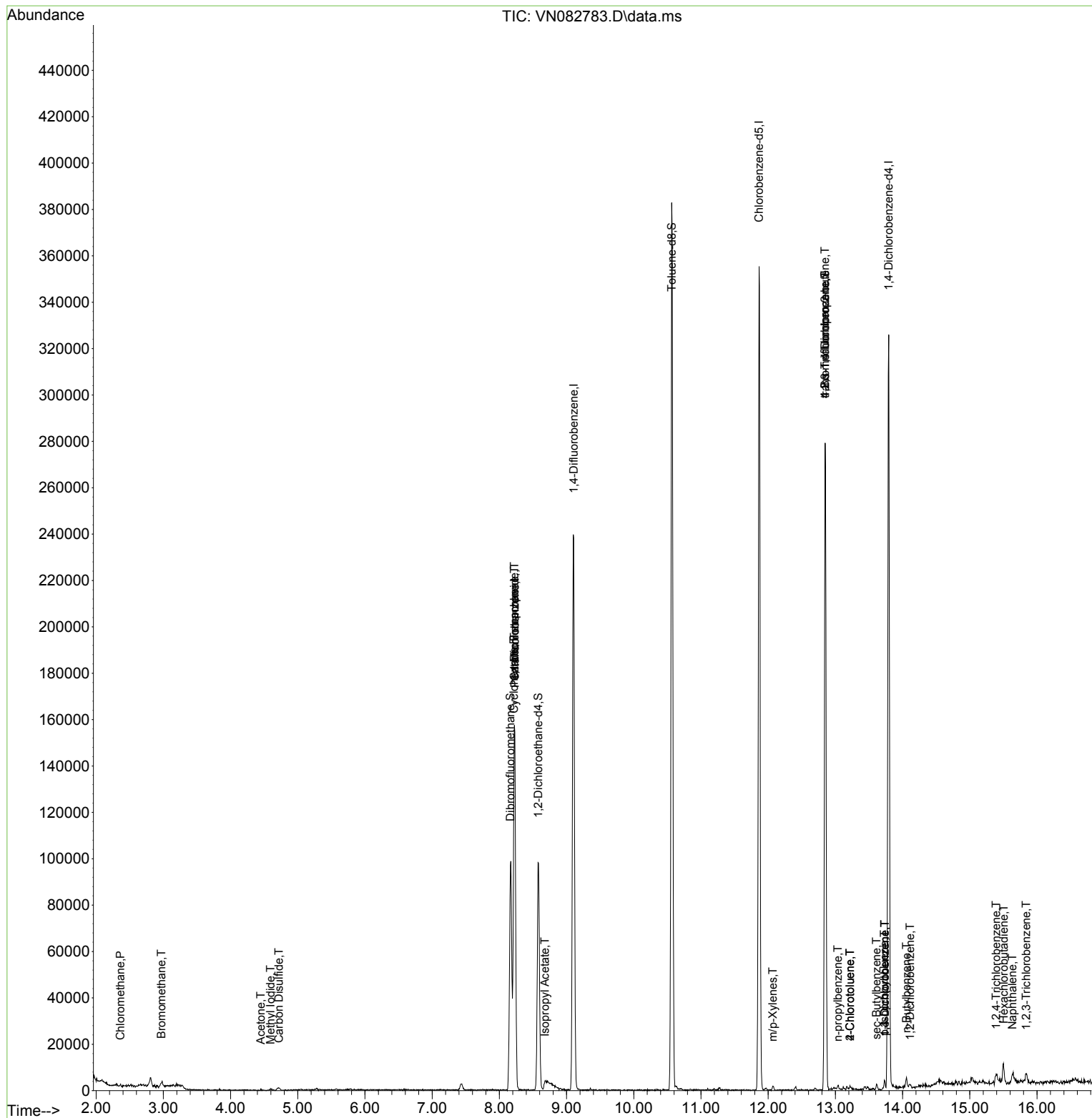
Internal Standards						
1) Pentafluorobenzene	8.230	168	115305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	207845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	201707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	82326	46.298	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.600%
35) Dibromofluoromethane	8.165	113	69493	50.782	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.560%
50) Toluene-d8	10.565	98	259716	50.749	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.500%
62) 4-Bromofluorobenzene	12.847	95	93562	53.236	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	106.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	509	0.276	ug/l #	70
5) Bromomethane	2.971	94	1071	0.771	ug/l #	36
10) Methyl Iodide	4.595	142	791	0.625	ug/l #	81
16) Acetone	4.447	43	138	0.205	ug/l #	48
17) Carbon Disulfide	4.718	76	2661	0.631	ug/l #	75
31) Cyclohexane	8.218	56	2843	1.135	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	10005	5.087	ug/l #	51
38) Carbon Tetrachloride	8.224	117	13054	5.675	ug/l #	18
43) Isopropyl Acetate	8.677	43	3053	0.288	ug/l #	60
68) m/p-Xylenes	12.071	106	579	0.208	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	52306	27.188	ug/l #	1
78) n-propylbenzene	13.035	91	1627	0.214	ug/l	96
79) 2-Chlorotoluene	13.217	91	1459	0.307	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.847	75	52306	70.903	ug/l #	6
82) 4-Chlorotoluene	13.217	91	1459	0.311	ug/l	78
85) sec-Butylbenzene	13.612	105	1996	0.320	ug/l	85
86) p-Isopropyltoluene	13.729	119	1313	0.263	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	966	0.316	ug/l	93
88) 1,4-Dichlorobenzene	13.735	146	966	0.303	ug/l	93
89) n-Butylbenzene	14.059	91	2869	0.649	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	778	0.268	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	1703	1.200	ug/l	92
94) Hexachlorobutadiene	15.506	225	1354	2.109	ug/l	97
95) Naphthalene	15.635	128	5938	1.260	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	1717	1.134	ug/l	96

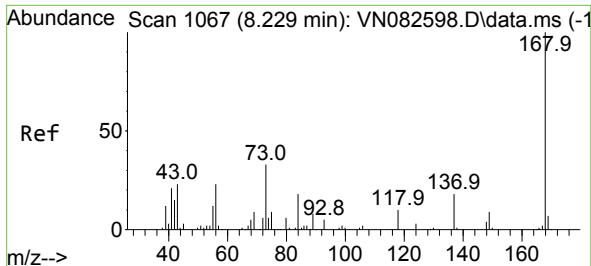
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 02 Jul 2024 13:47
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

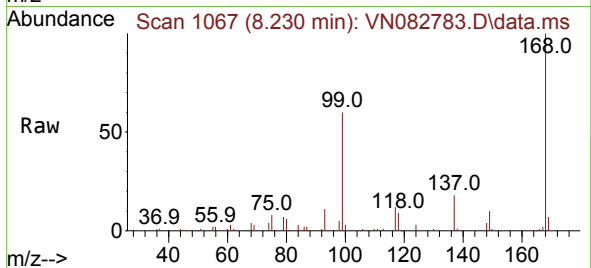
Quant Time: Jul 03 00:29:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



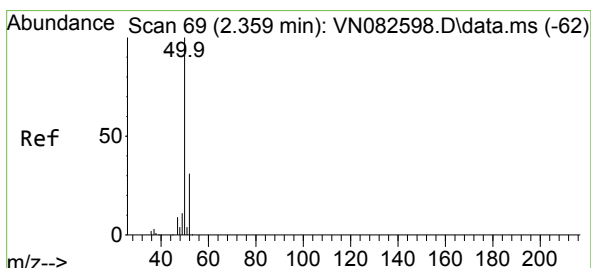
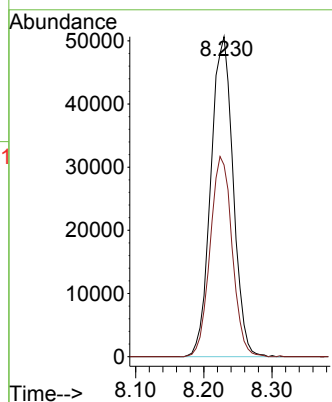
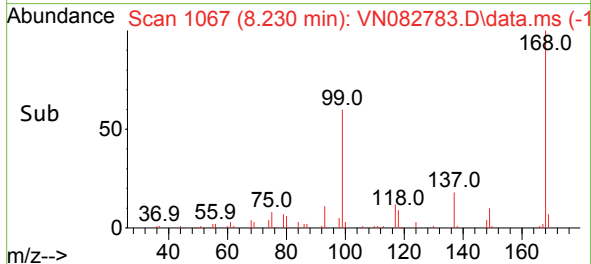


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

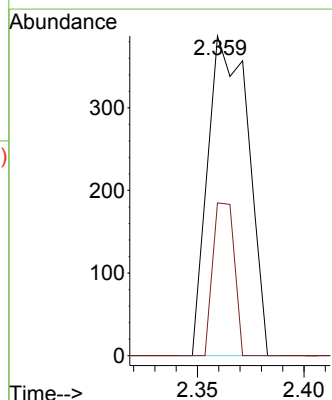
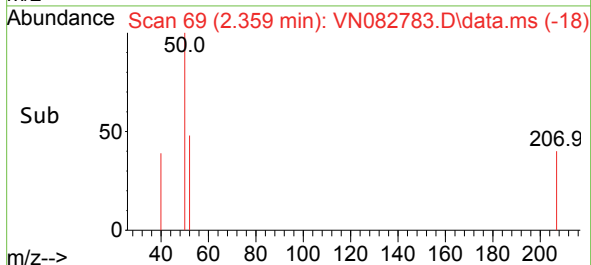
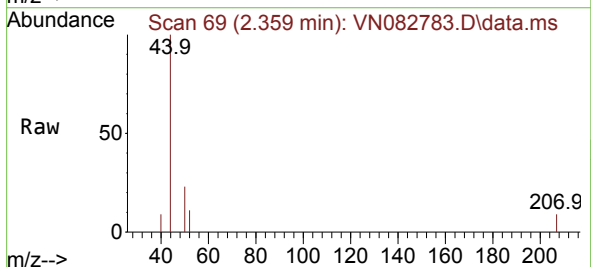


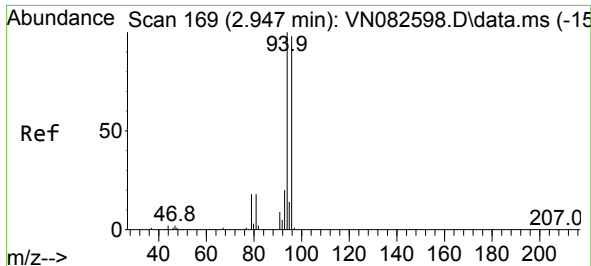
Tgt Ion:168 Resp: 115305
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#3
Chloromethane
Concen: 0.276 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion: 50 Resp: 509
Ion Ratio Lower Upper
50 100
52 47.8 25.0 37.4#

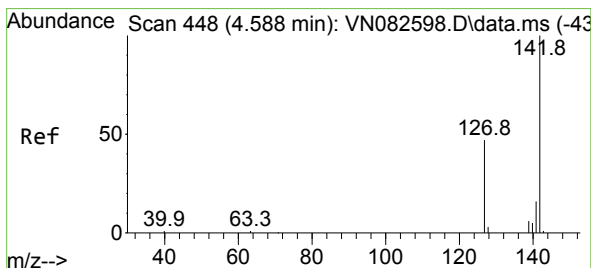
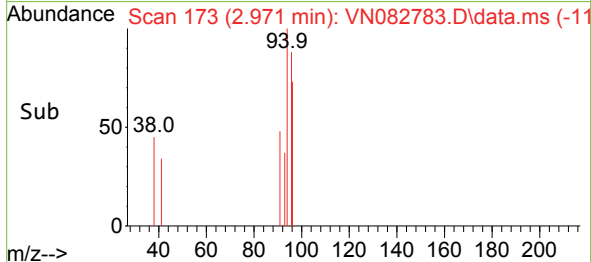
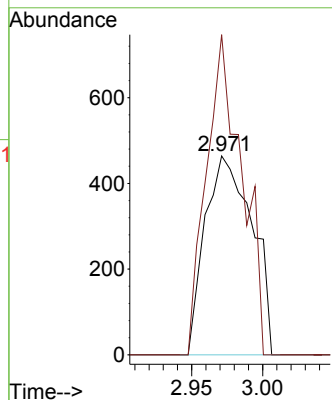
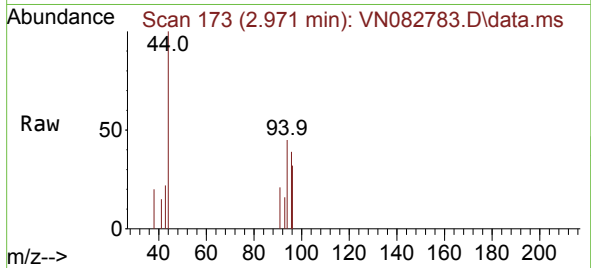




#5
Bromomethane
Concen: 0.771 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

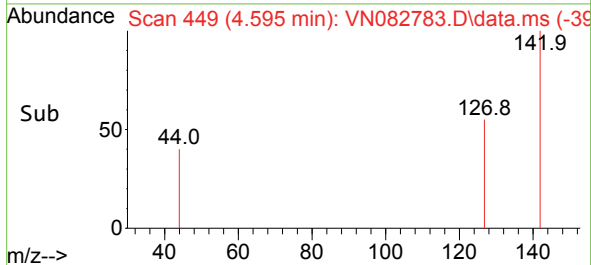
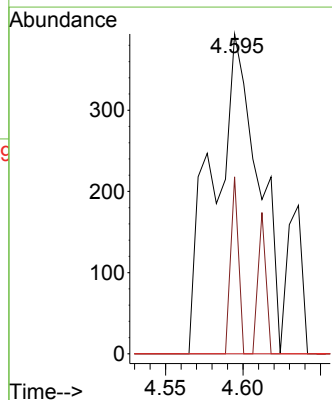
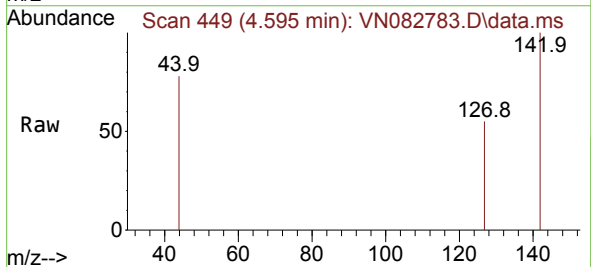
Instrument :
MSVOA_N
ClientSampleId :

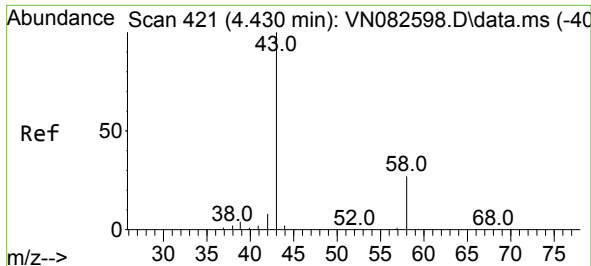
Tgt Ion: 94 Resp: 1071
Ion Ratio Lower Upper
94 100
96 161.0 78.0 117.0#



#10
Methyl Iodide
Concen: 0.625 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.007 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion:142 Resp: 791
Ion Ratio Lower Upper
142 100
127 55.3 37.5 56.3
141 0.0 13.1 19.7#





#16

Acetone

Concen: 0.205 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN082783.D

Acq: 02 Jul 2024 13:47

Instrument :

MSVOA_N

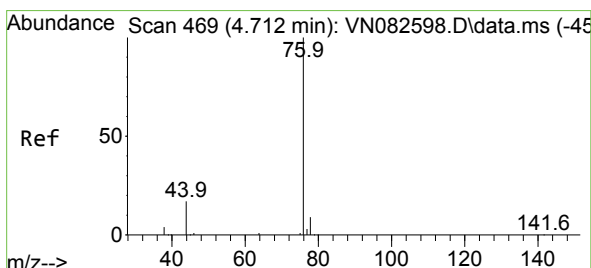
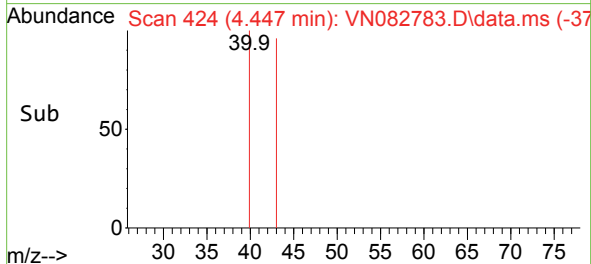
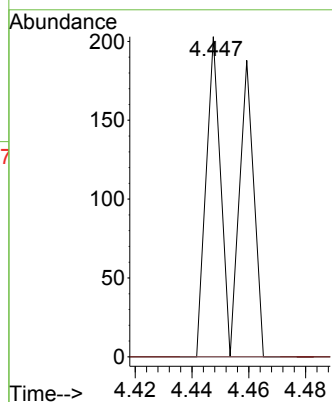
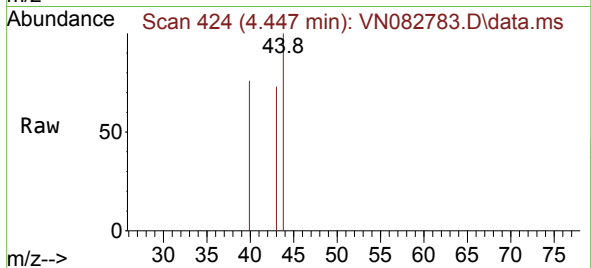
ClientSampleId :

Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#



#17

Carbon Disulfide

Concen: 0.631 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN082783.D

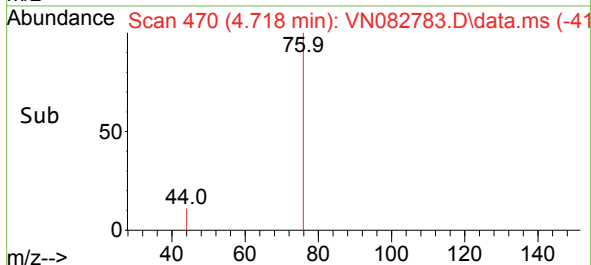
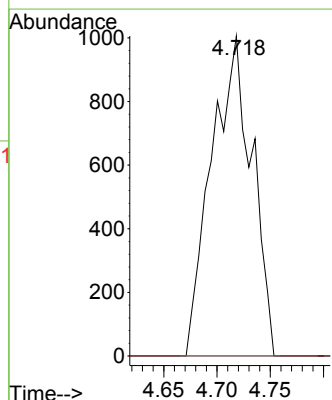
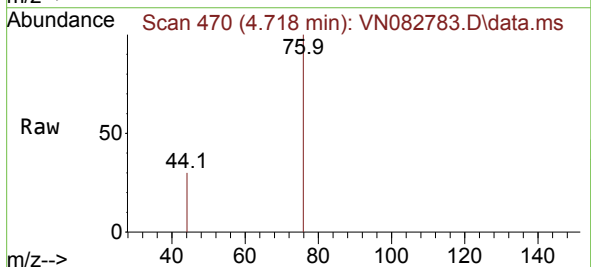
Acq: 02 Jul 2024 13:47

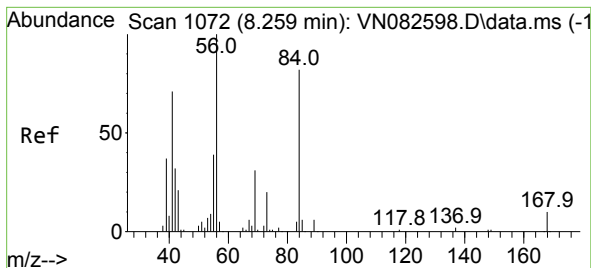
Tgt Ion: 76 Resp: 2661

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#31

Cyclohexane

Concen: 1.135 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

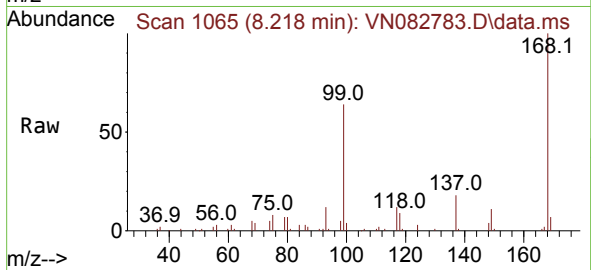
Lab File: VN082783.D

Acq: 02 Jul 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :



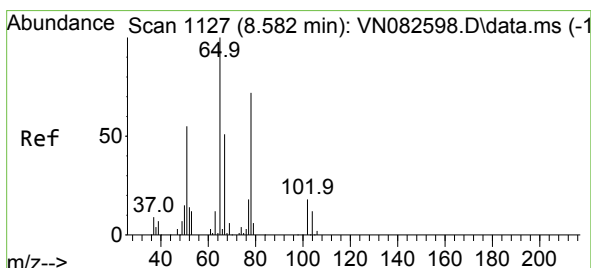
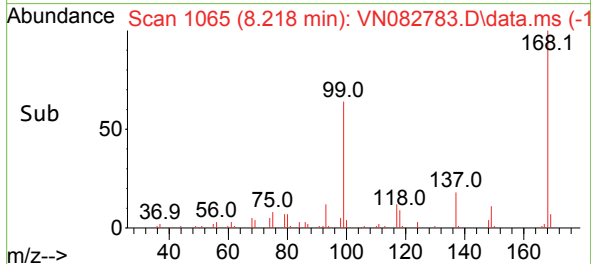
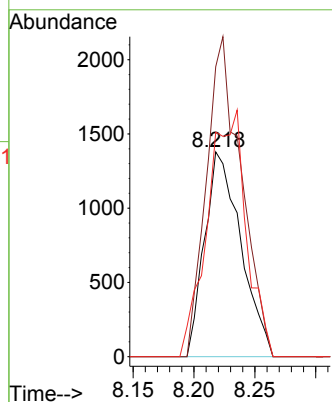
Tgt Ion: 56 Resp: 2843

Ion Ratio Lower Upper

56 100

69 141.6 24.5 36.7#

84 109.6 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 46.298 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN082783.D

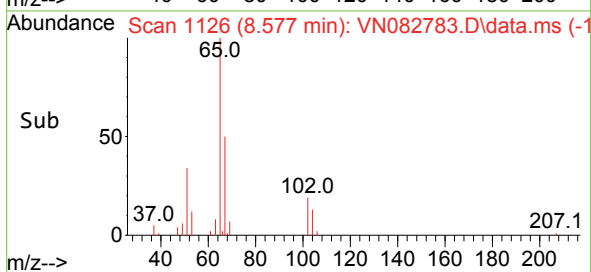
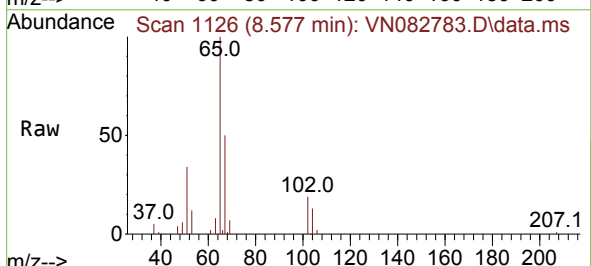
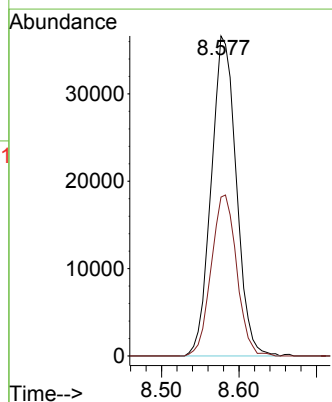
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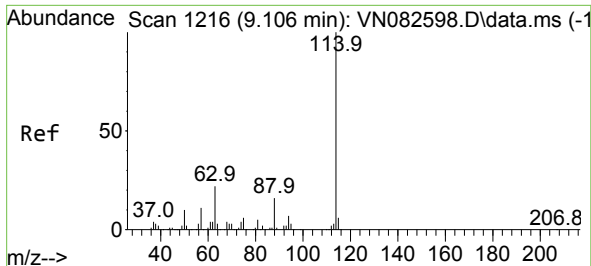
Tgt Ion: 65 Resp: 82326

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

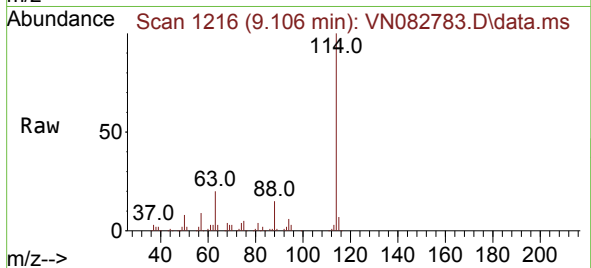
Lab File: VN082783.D

Acq: 02 Jul 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :



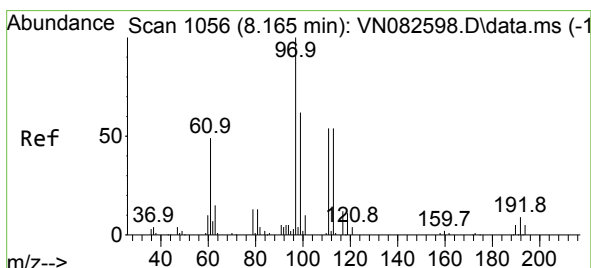
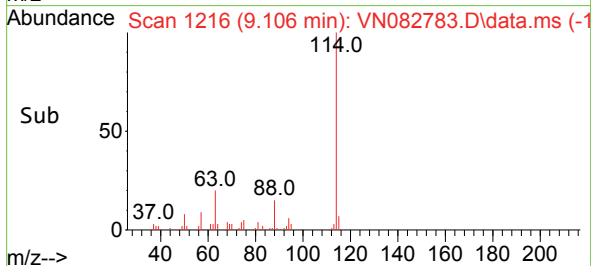
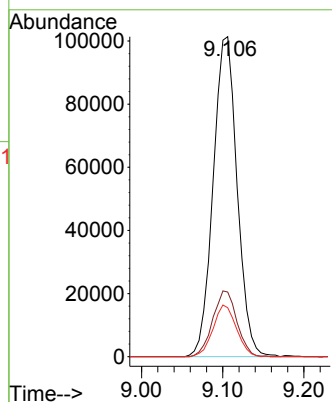
Tgt Ion:114 Resp: 207845

Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.6

88 15.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.782 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082783.D

Acq: 02 Jul 2024 13:47

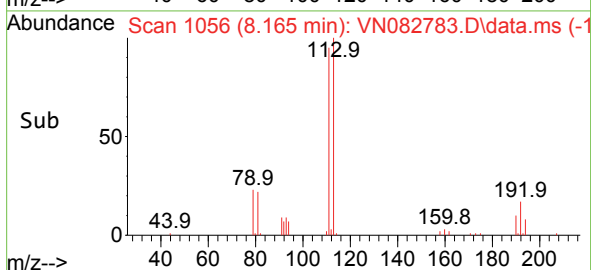
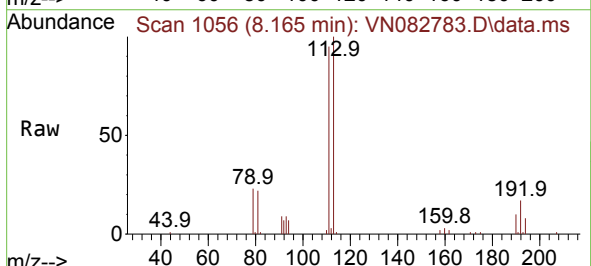
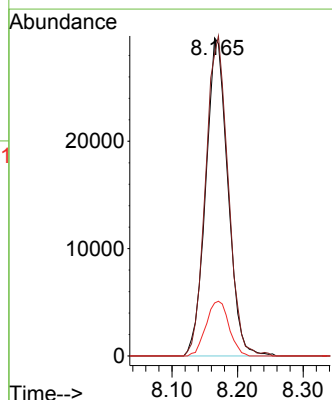
Tgt Ion:113 Resp: 69493

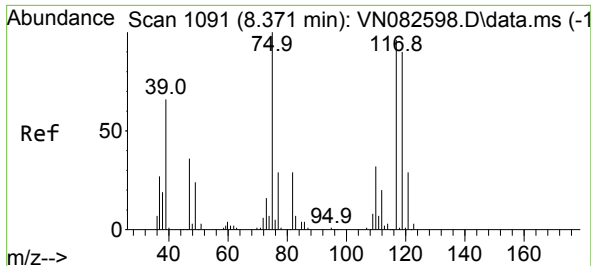
Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

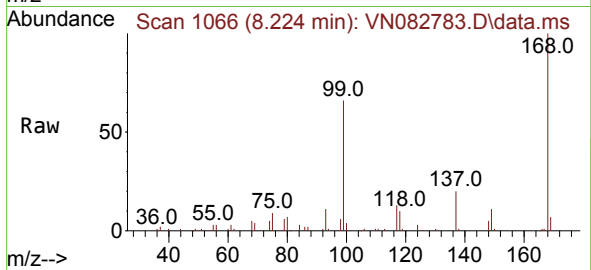
192 17.8 14.9 22.3



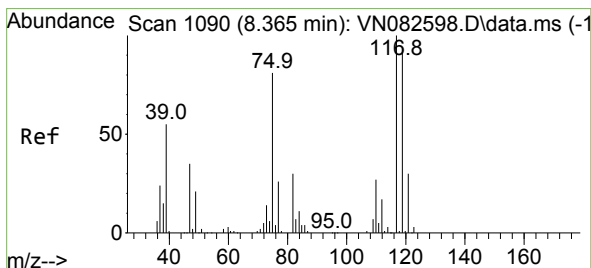
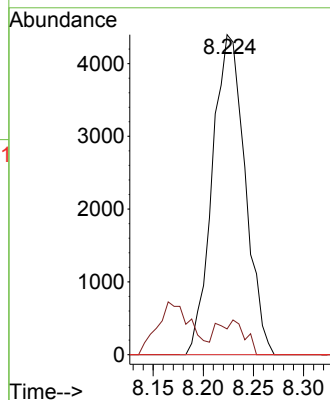
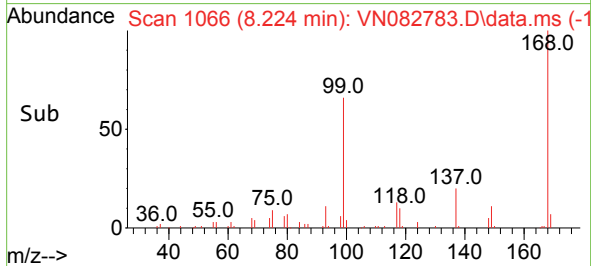


#36
1,1-Dichloropropene
Concen: 5.087 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

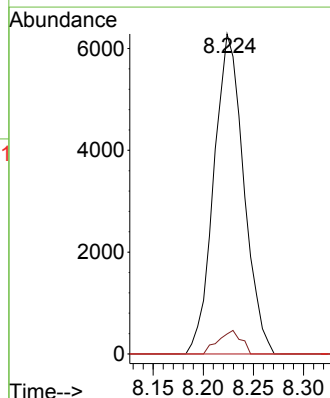
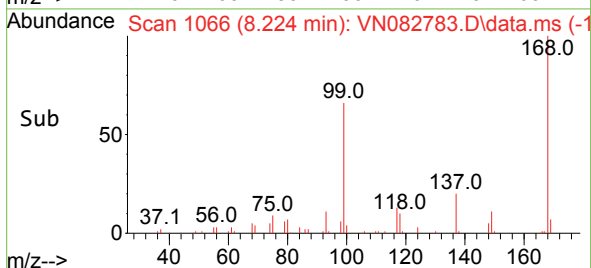
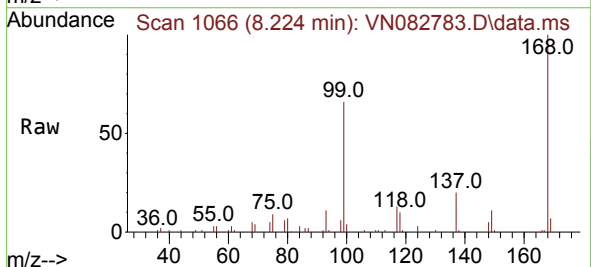


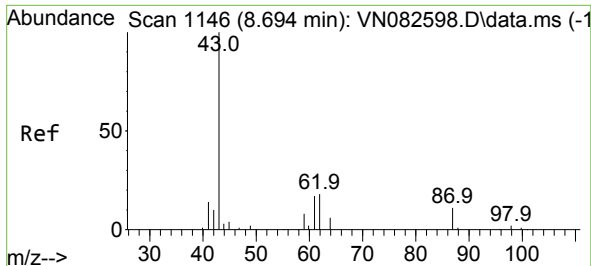
Tgt Ion: 75 Resp: 10005
Ion Ratio Lower Upper
75 100
110 9.1 16.3 48.9#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion: 117 Resp: 13054
Ion Ratio Lower Upper
117 100
119 6.3 74.9 112.3#
121 0.0 24.3 36.5#

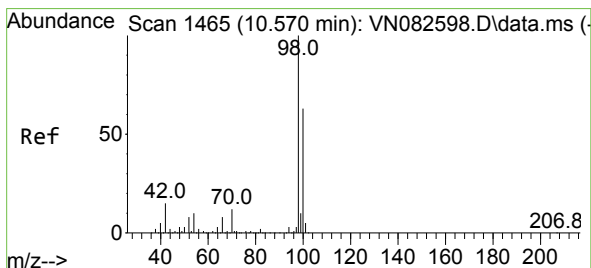
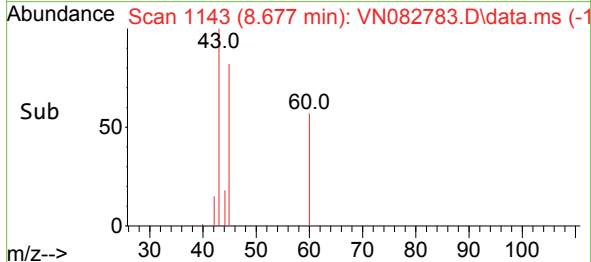
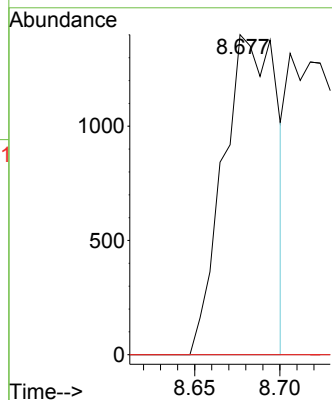
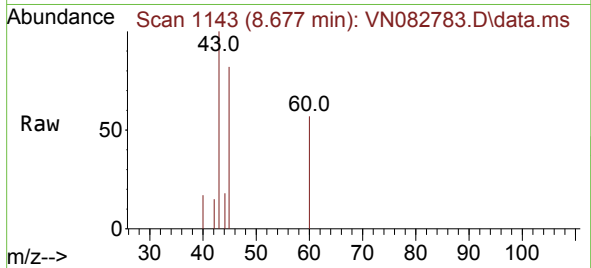




#43
Isopropyl Acetate
Concen: 0.288 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.017 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

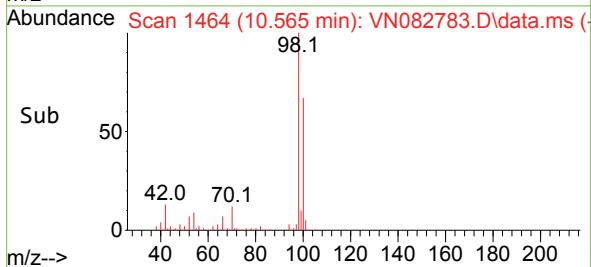
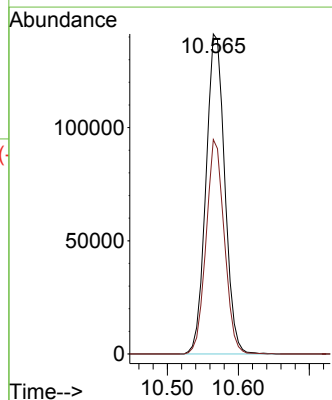
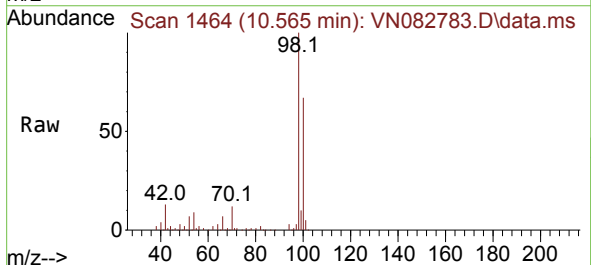
Instrument :
MSVOA_N
ClientSampleId :

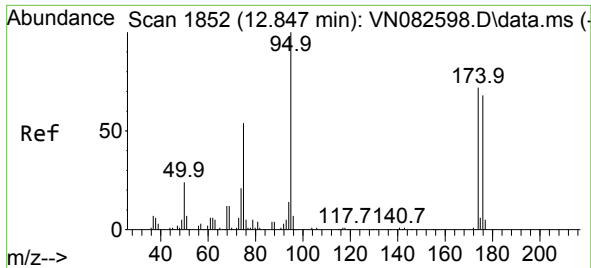
Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 50.749 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.005 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion: 98 Resp: 259716
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3

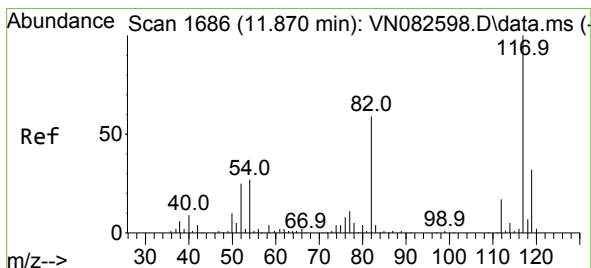
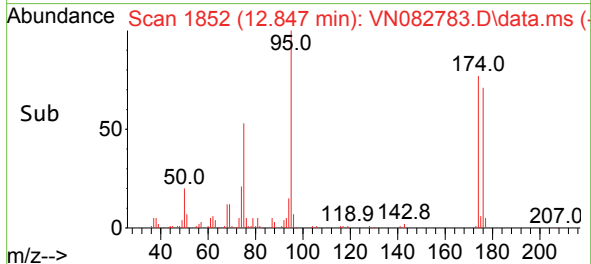
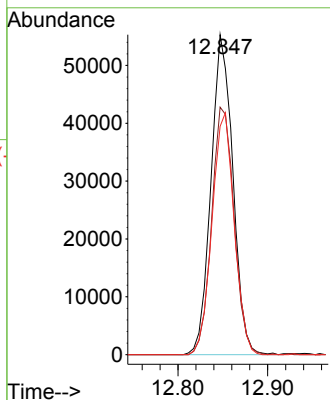
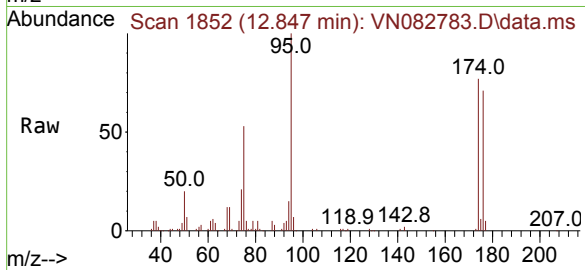




#62
4-Bromofluorobenzene
Concen: 53.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

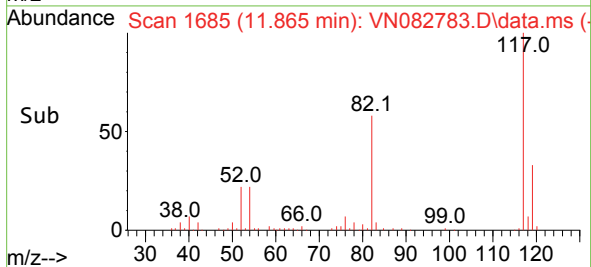
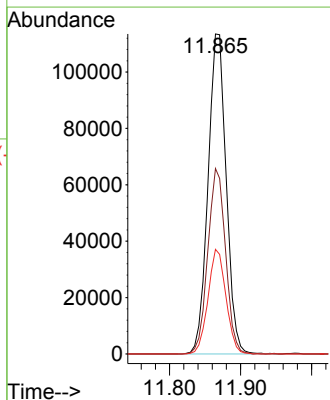
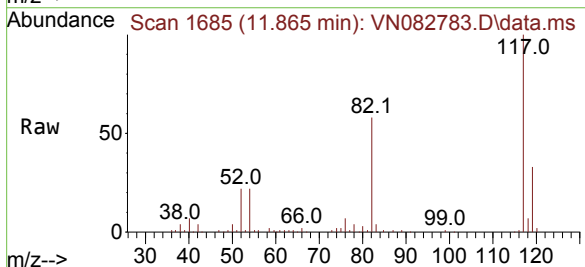
Instrument :
MSVOA_N
ClientSampleId :

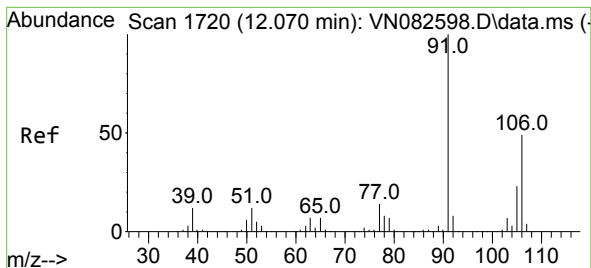
Tgt Ion:	95	Resp:	93562
Ion Ratio	Lower	Upper	
95	100		
174	79.3	0.0	159.2
176	76.5	0.0	147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion:	117	Resp:	201707
Ion Ratio	Lower	Upper	
117	100		
82	57.9	47.5	71.3
119	32.7	25.6	38.4

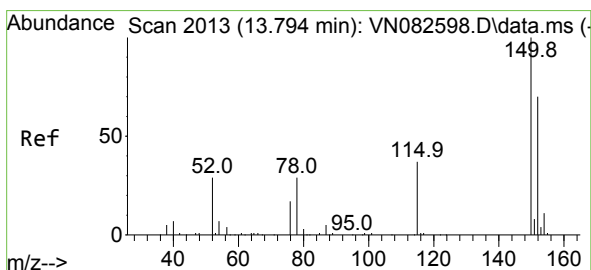
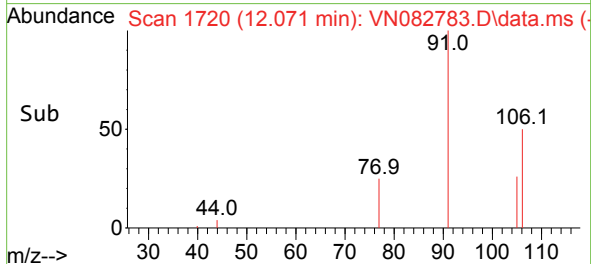
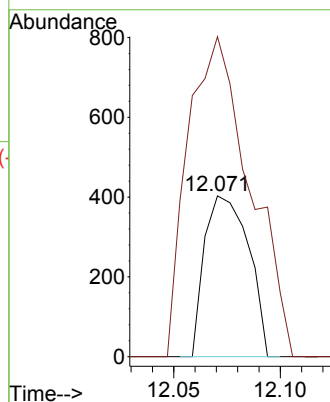
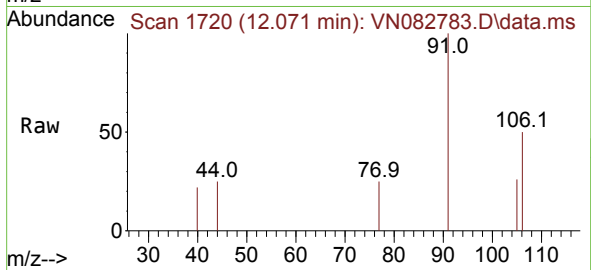




#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

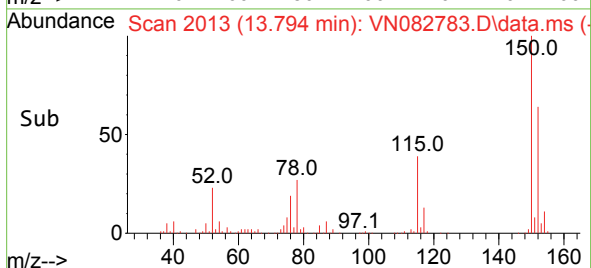
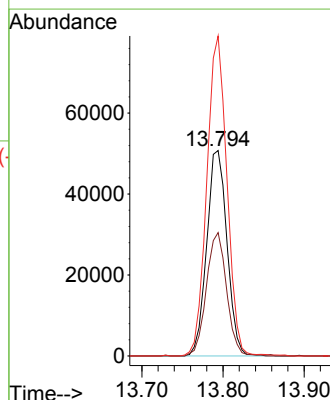
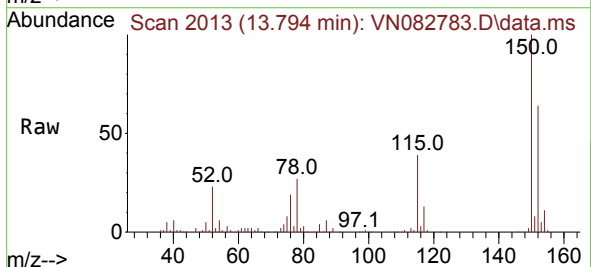
Instrument :
MSVOA_N
ClientSampleId :

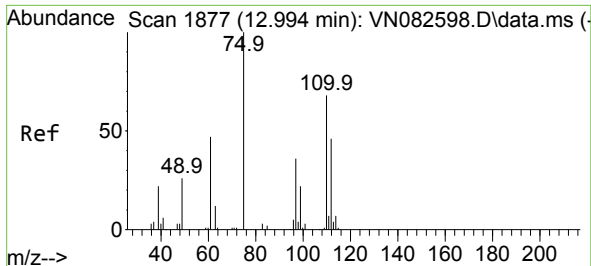
Tgt Ion:106 Resp: 579
Ion Ratio Lower Upper
106 100
91 280.5 166.1 249.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

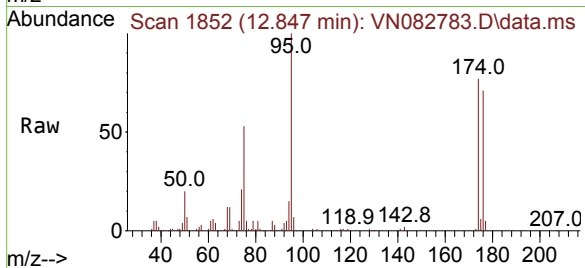
Tgt Ion:152 Resp: 88201
Ion Ratio Lower Upper
152 100
115 59.7 30.6 91.6
150 154.3 0.0 348.6



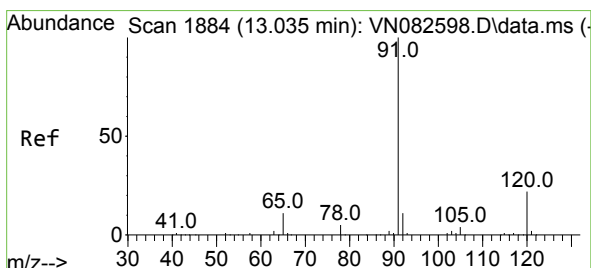
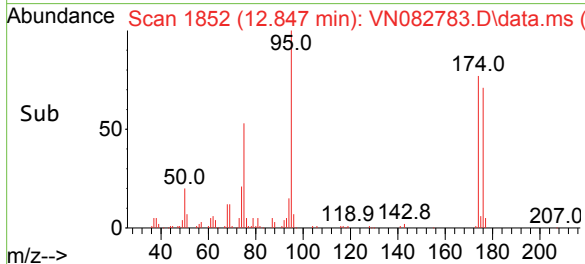
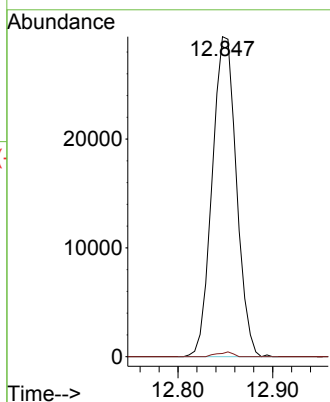


#76
1,2,3-Trichloropropane
Concen: 27.188 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

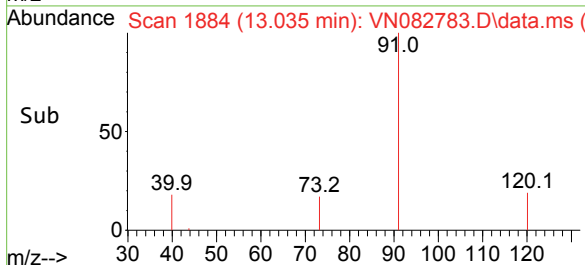
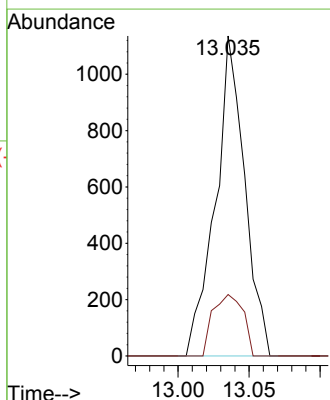
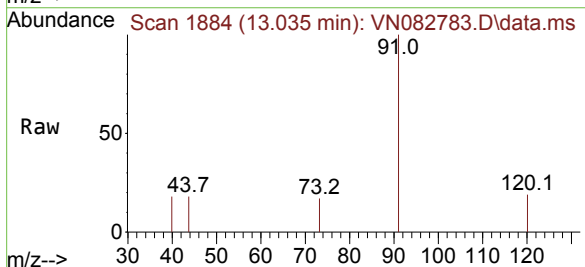


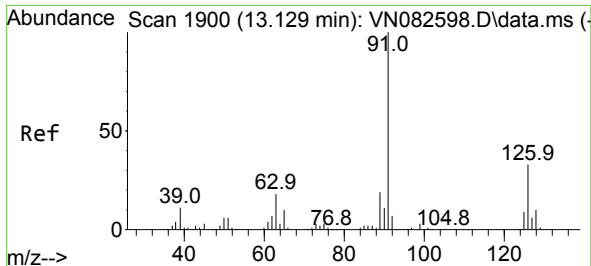
Tgt Ion: 75 Resp: 52306
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#78
n-propylbenzene
Concen: 0.214 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion: 91 Resp: 1627
Ion Ratio Lower Upper
91 100
120 19.8 10.9 32.9

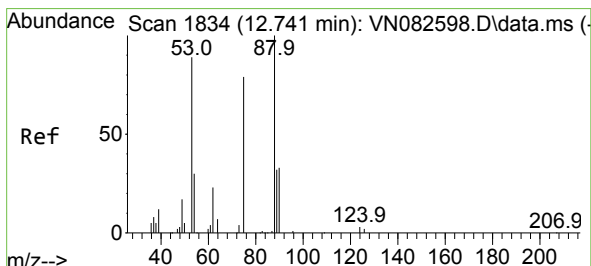
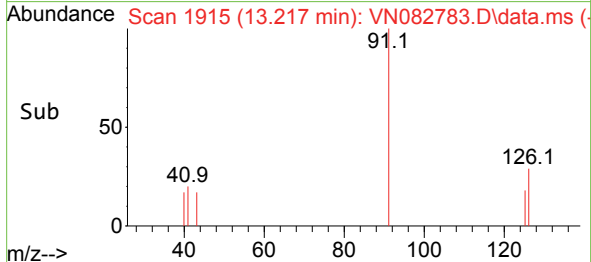
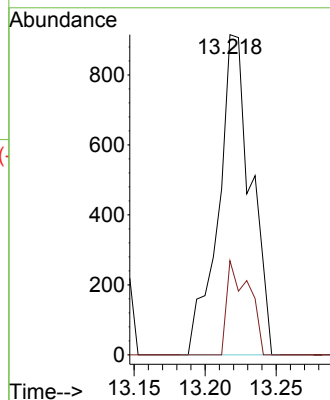
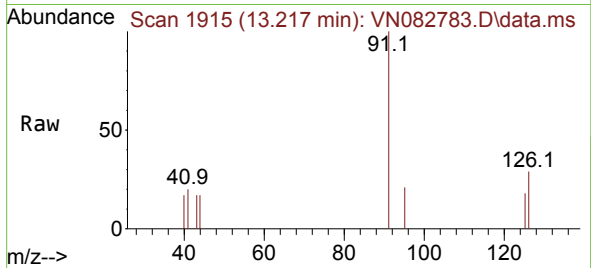




#79
2-Chlorotoluene
Concen: 0.307 ug/l
RT: 13.217 min Scan# 1900
Delta R.T. 0.088 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

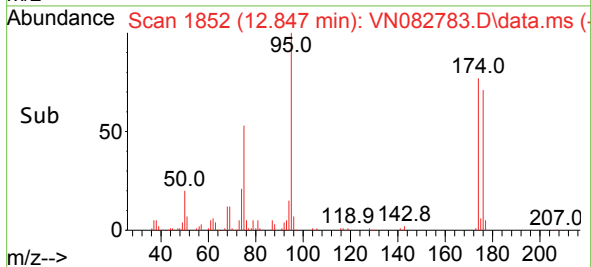
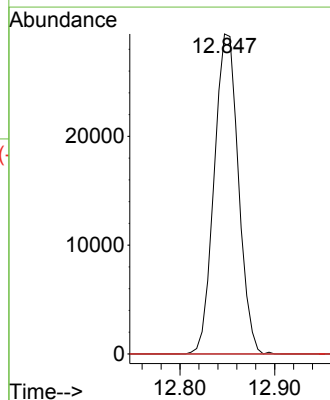
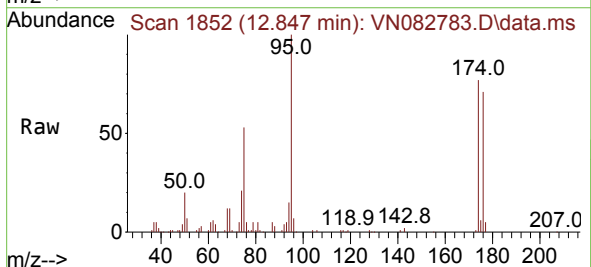
Instrument :
MSVOA_N
ClientSampleId :

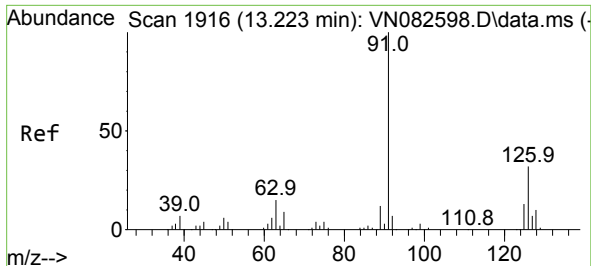
Tgt Ion: 91 Resp: 1459
Ion Ratio Lower Upper
91 100
126 19.9 16.2 48.6



#81
trans-1,4-Dichloro-2-butene
Concen: 70.903 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion: 75 Resp: 52306
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

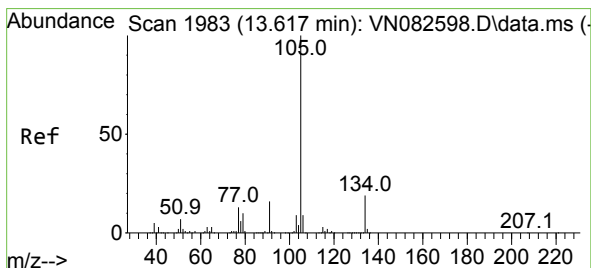
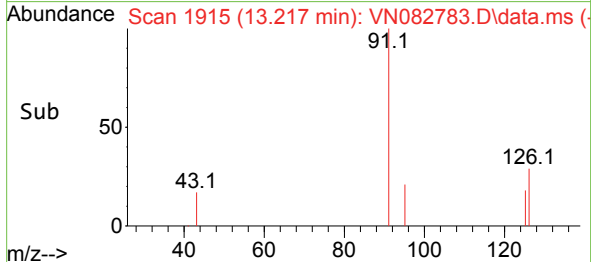
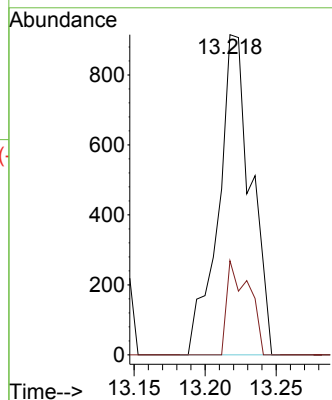
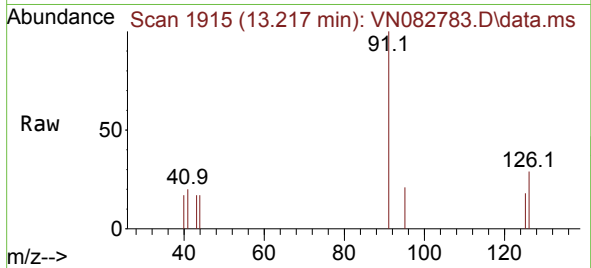




#82
4-Chlorotoluene
Concen: 0.311 ug/l
RT: 13.217 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

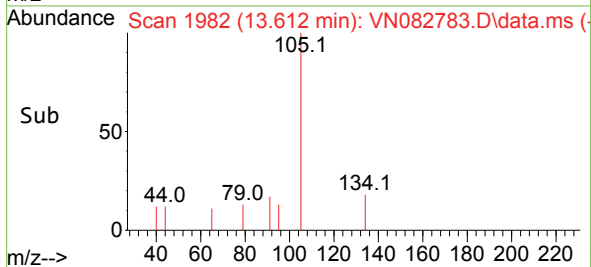
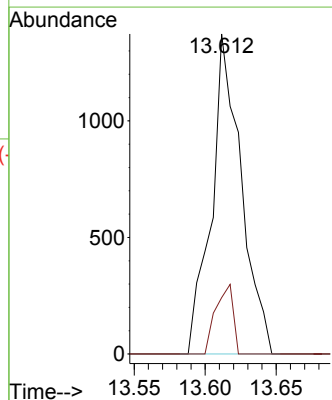
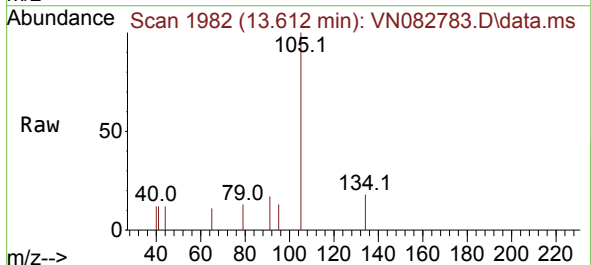
Instrument :
MSVOA_N
ClientSampleId :

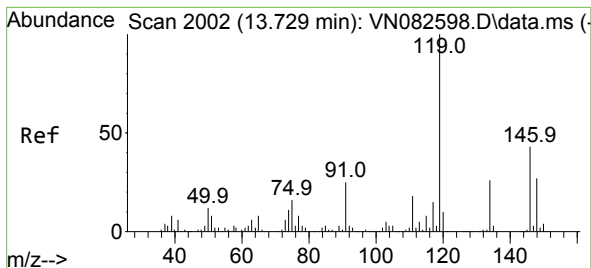
Tgt Ion: 91 Resp: 1459
Ion Ratio Lower Upper
91 100
126 19.9 16.2 48.6



#85
sec-Butylbenzene
Concen: 0.320 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.005 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

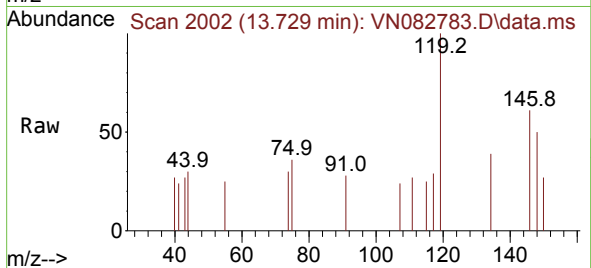
Tgt Ion: 105 Resp: 1996
Ion Ratio Lower Upper
105 100
134 12.7 9.8 29.3



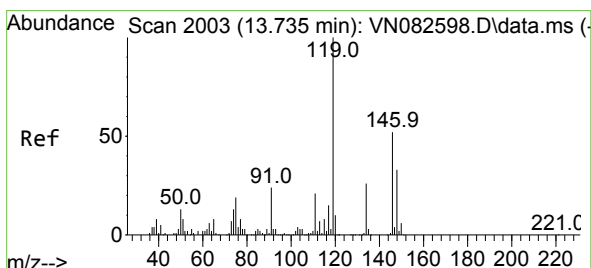
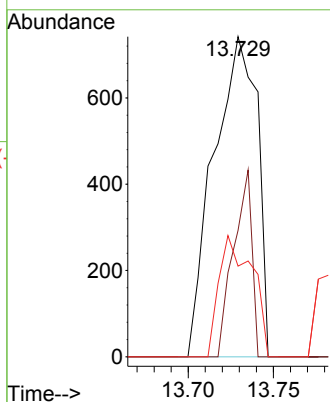
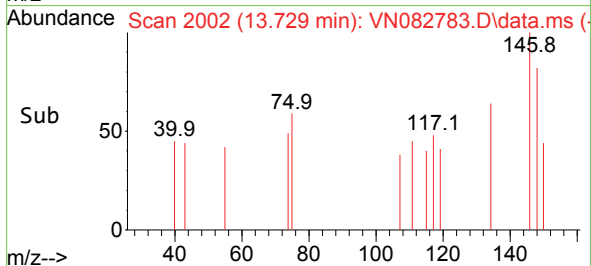


#86
 p-Isopropyltoluene
 Concen: 0.263 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN082783.D
 Acq: 02 Jul 2024 13:47

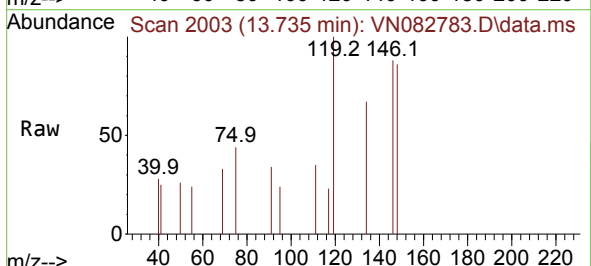
Instrument :
 MSVOA_N
 ClientSampleId :



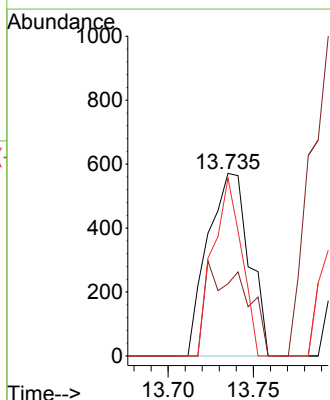
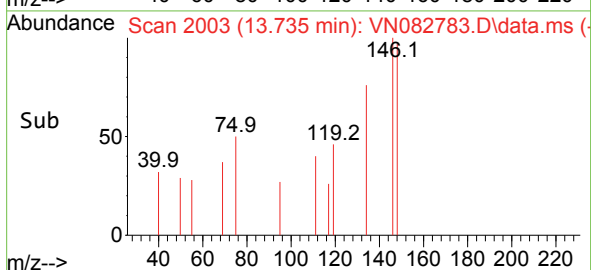
Tgt Ion:119 Resp: 1313
 Ion Ratio Lower Upper
 119 100
 134 24.8 13.0 39.0
 91 28.9 12.3 36.9

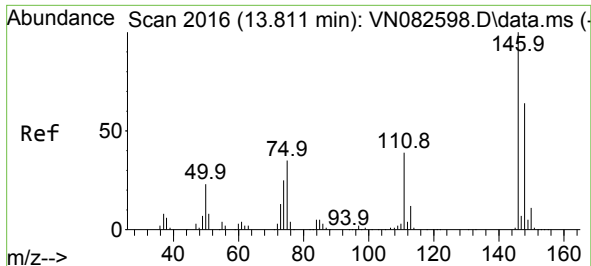


#87
 1,3-Dichlorobenzene
 Concen: 0.316 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN082783.D
 Acq: 02 Jul 2024 13:47



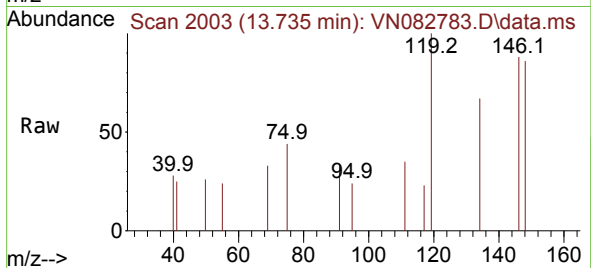
Tgt Ion:146 Resp: 966
 Ion Ratio Lower Upper
 146 100
 111 48.6 20.6 61.9
 148 67.2 31.8 95.3



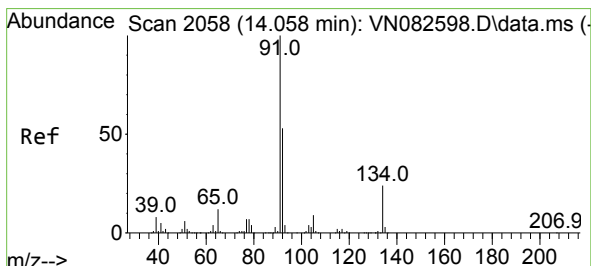
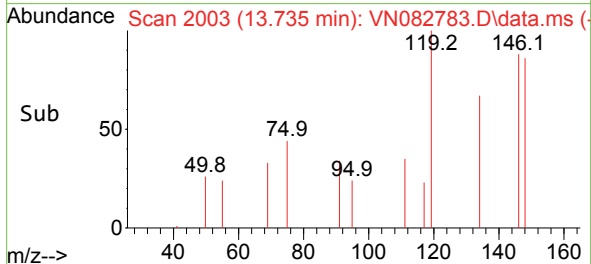
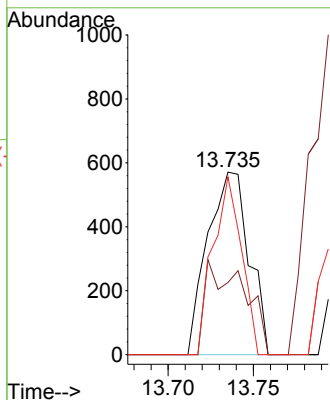


#88
1,4-Dichlorobenzene
Concen: 0.303 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

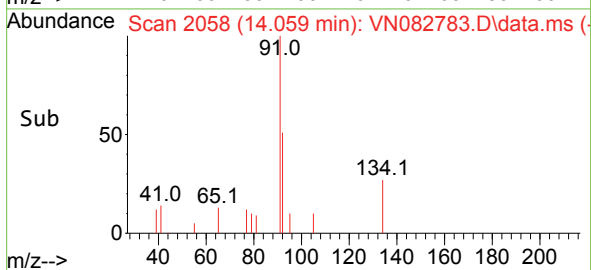
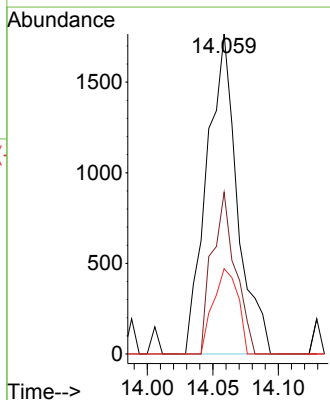
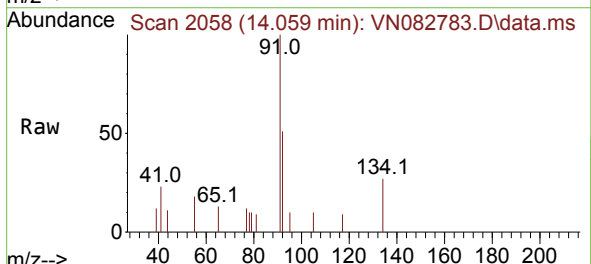


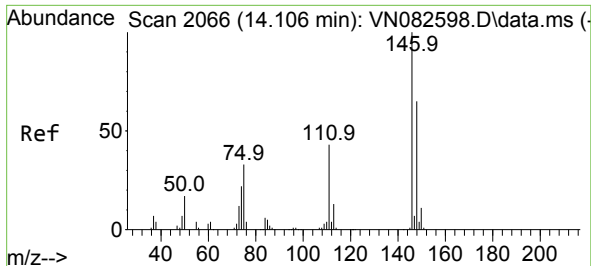
Tgt Ion:146 Resp: 966
Ion Ratio Lower Upper
146 100
111 48.6 20.1 60.3
148 67.2 32.2 96.6



#89
n-Butylbenzene
Concen: 0.649 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.001 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

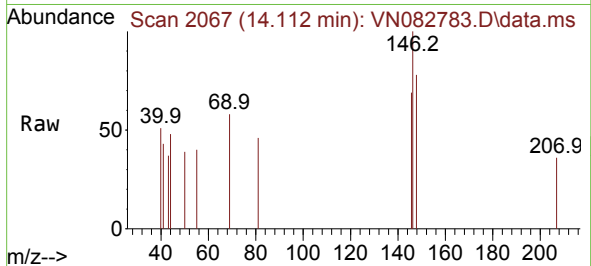
Tgt Ion: 91 Resp: 2869
Ion Ratio Lower Upper
91 100
92 38.4 26.1 78.3
134 21.4 12.1 36.3



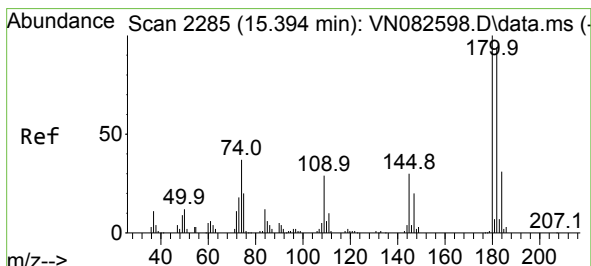
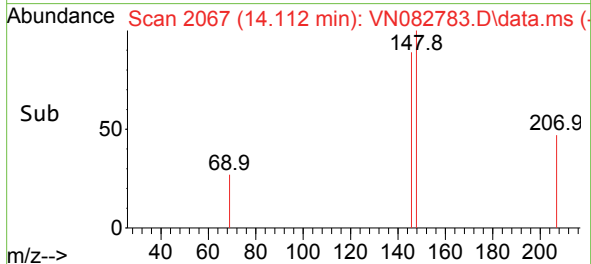
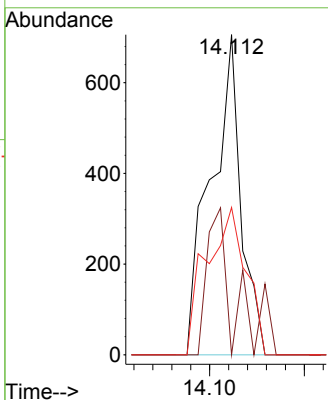


#91
1,2-Dichlorobenzene
Concen: 0.268 ug/l
RT: 14.112 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Instrument :
MSVOA_N
ClientSampleId :

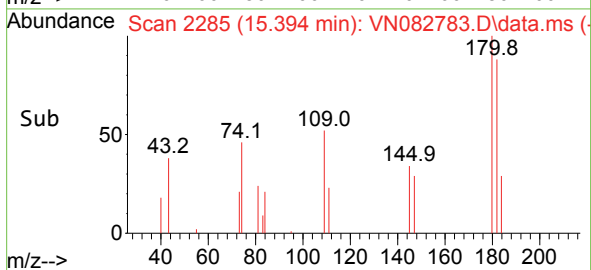
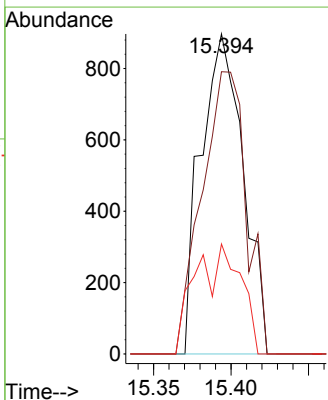
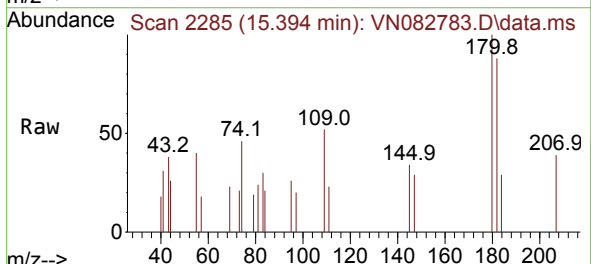


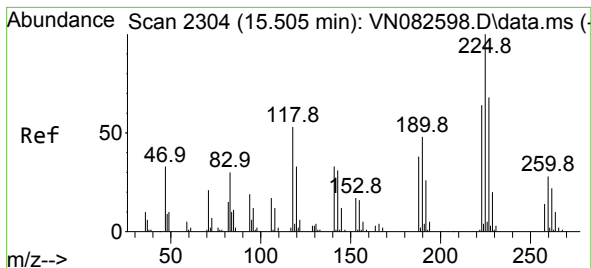
Tgt Ion:146 Resp: 778
Ion Ratio Lower Upper
146 100
111 42.5 21.4 64.2
148 60.8 32.1 96.5



#93
1,2,4-Trichlorobenzene
Concen: 1.200 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN082783.D
Acq: 02 Jul 2024 13:47

Tgt Ion:180 Resp: 1703
Ion Ratio Lower Upper
180 100
182 92.4 47.3 141.8
145 17.3 15.7 47.1





#94

Hexachlorobutadiene

Concen: 2.109 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.001 min

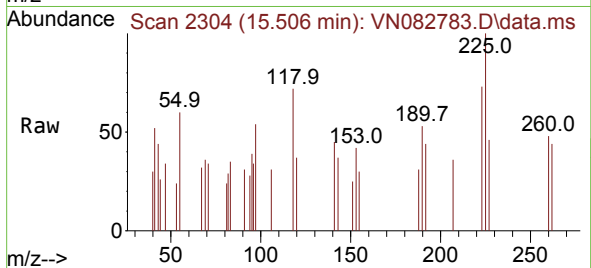
Lab File: VN082783.D

Acq: 02 Jul 2024 13:47

Instrument :

MSVOA_N

ClientSampleId :



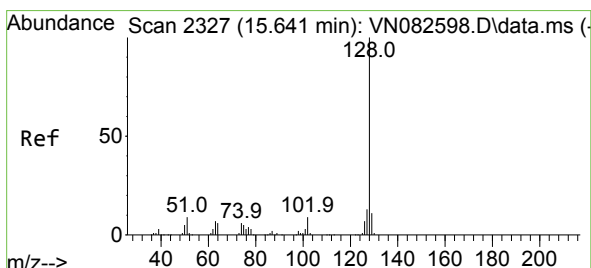
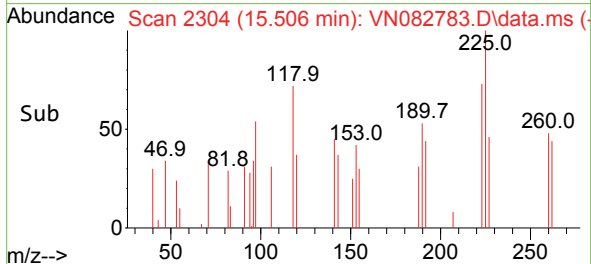
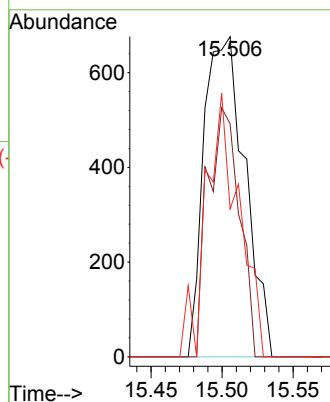
Tgt Ion:225 Resp: 1354

Ion Ratio Lower Upper

225 100

223 60.0 31.9 95.7

227 65.9 32.5 97.5



#95

Naphthalene

Concen: 1.260 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN082783.D

Acq: 02 Jul 2024 13:47

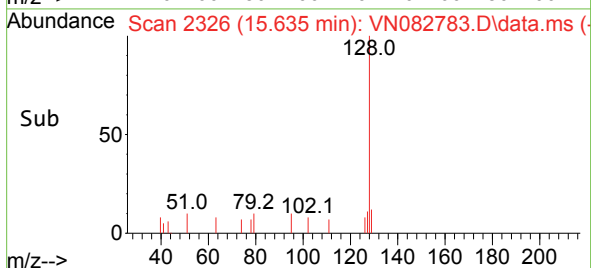
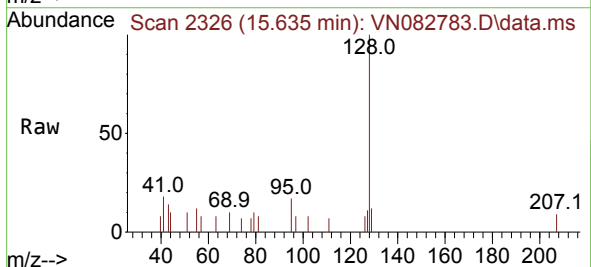
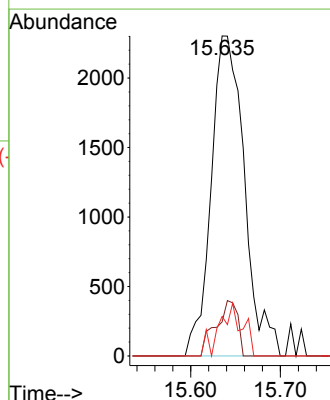
Tgt Ion:128 Resp: 5938

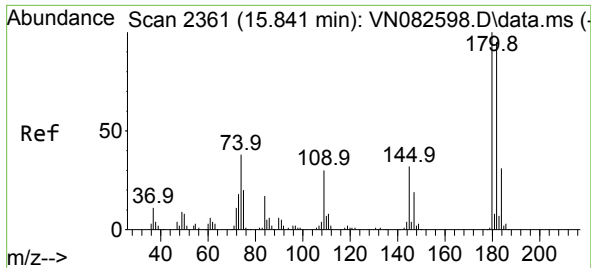
Ion Ratio Lower Upper

128 100

127 11.4 10.6 16.0

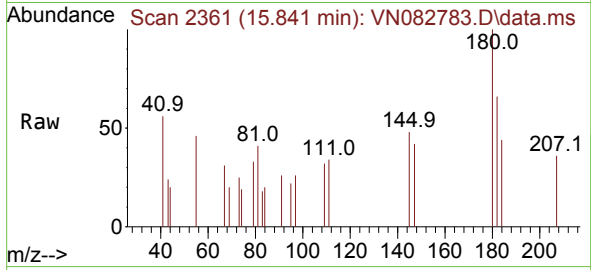
129 11.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.134 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN082783.D
 Acq: 02 Jul 2024 13:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1717
Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.9	146.8
145	38.0	16.8	50.4

