

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070924\
 Data File : VN082842.D
 Acq On : 09 Jul 2024 16:21
 Operator : JC\MD
 Sample : P3173-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 10 01:23:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

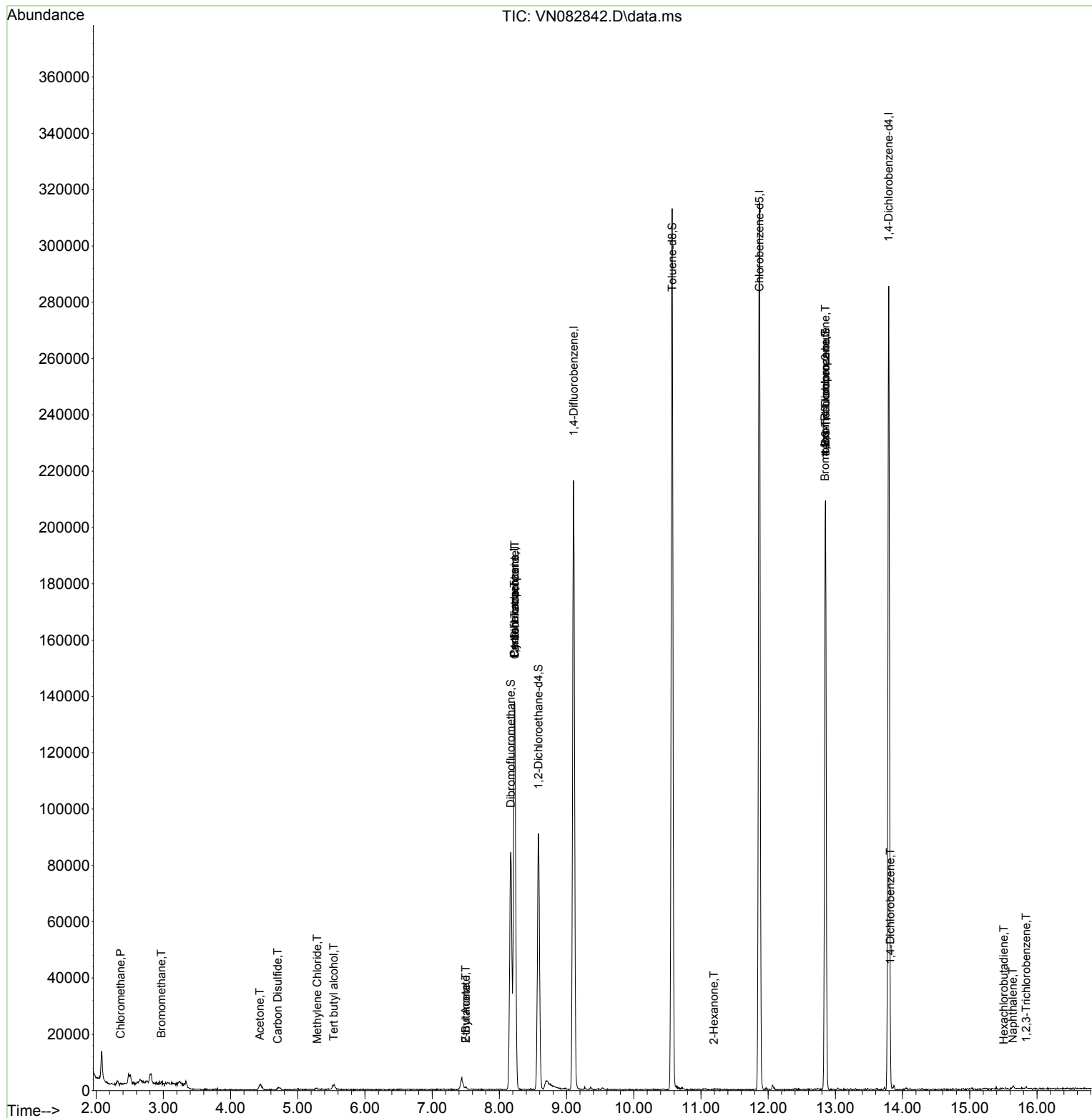
Internal Standards						
1) Pentafluorobenzene	8.224	168	97205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	183488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	179597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	74334	54.552	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.100%
35) Dibromofluoromethane	8.171	113	61039	51.842	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.680%
50) Toluene-d8	10.571	98	207992	47.829	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.660%
62) 4-Bromofluorobenzene	12.853	95	69348	44.394	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	88.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	434	0.364	ug/l #	43
5) Bromomethane	2.971	94	446	0.494	ug/l	99
11) Tert butyl alcohol	5.536	59	2927	12.771	ug/l #	76
16) Acetone	4.436	43	4042	8.425	ug/l	99
17) Carbon Disulfide	4.700	76	1156	0.390	ug/l #	75
20) Methylene Chloride	5.289	84	363	0.313	ug/l #	51
25) 2-Butanone	7.500	43	1514	2.090	ug/l #	53
31) Cyclohexane	8.224	56	2706	1.519	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	8715	5.369	ug/l #	50
37) Ethyl Acetate	7.500	43	1514	0.916	ug/l #	72
38) Carbon Tetrachloride	8.230	117	10847	5.550	ug/l #	16
43) Isopropyl Acetate	8.712	43	5123	Below Cal	#	60
59) 2-Hexanone	11.194	43	269	0.221	ug/l #	28
71) Bromoform	12.847	173	556	0.516	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	38806	30.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	38806	60.093	ug/l #	6
88) 1,4-Dichlorobenzene	13.817	146	569	0.221	ug/l #	25
94) Hexachlorobutadiene	15.506	225	241	0.417	ug/l #	53
95) Naphthalene	15.641	128	1591	0.356	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.841	180	317	0.236	ug/l #	49

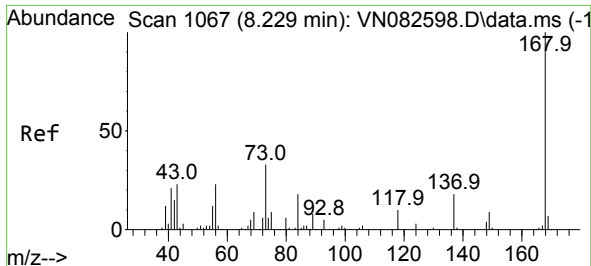
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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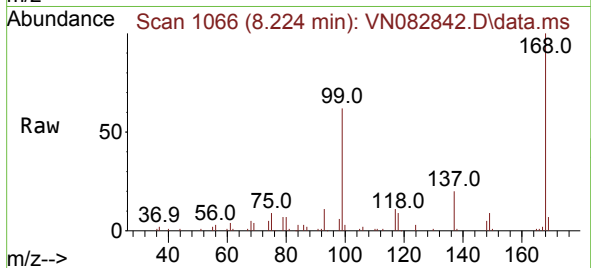
Quant Time: Jul 10 01:23:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
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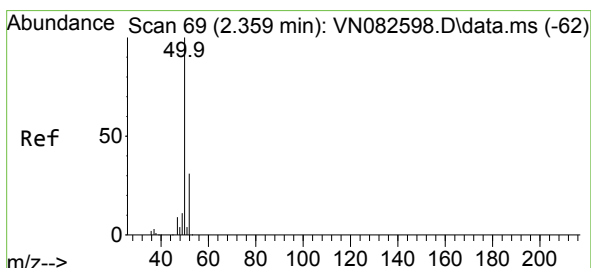
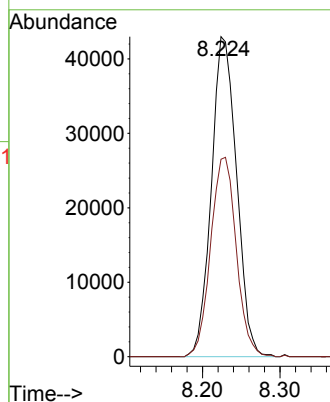
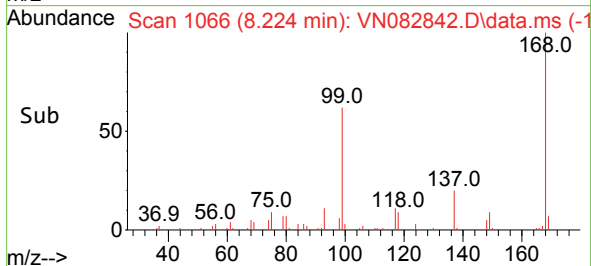


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

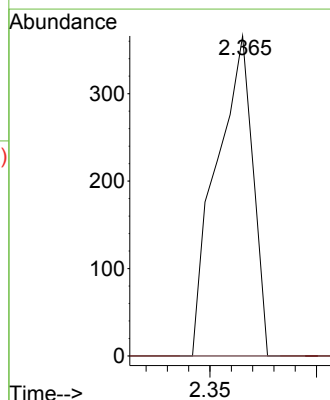
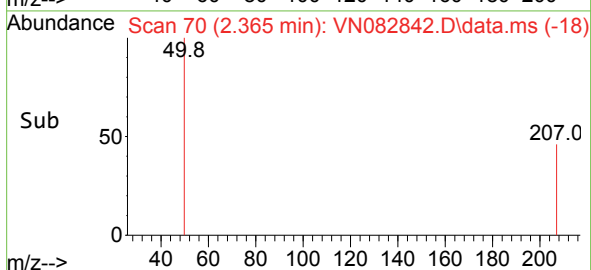
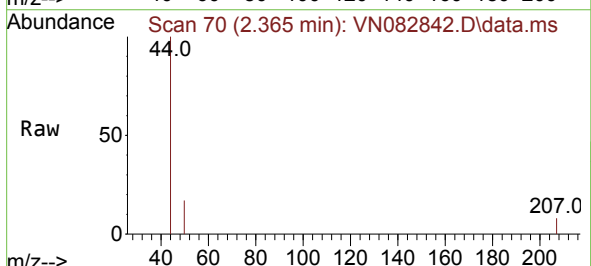


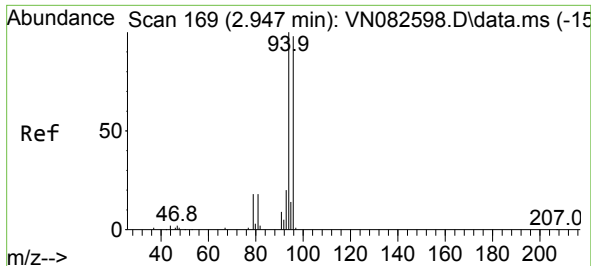
Tgt Ion:168 Resp: 97205
Ion Ratio Lower Upper
168 100
99 61.7 48.2 72.4



#3
Chloromethane
Concen: 0.364 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

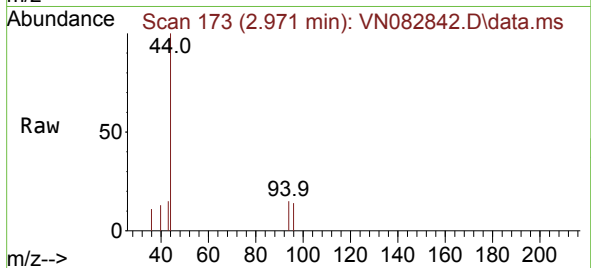
Tgt Ion: 50 Resp: 434
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



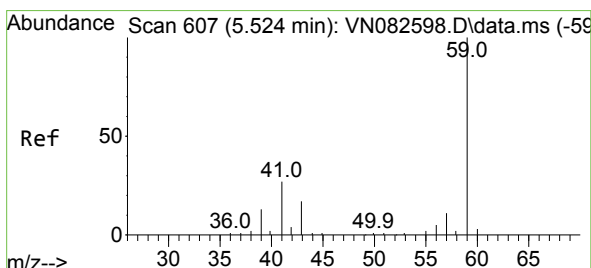
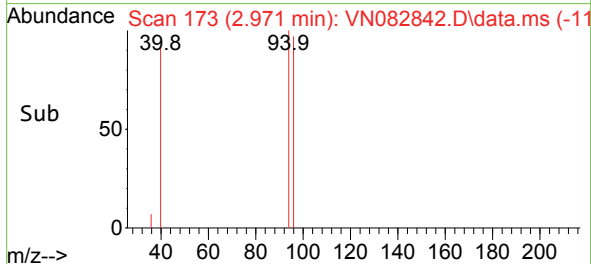
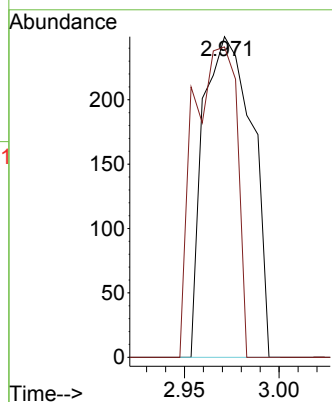


#5
Bromomethane
Concen: 0.494 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

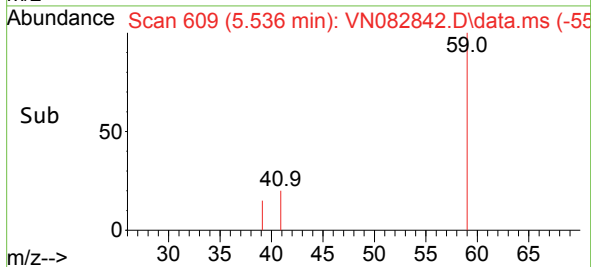
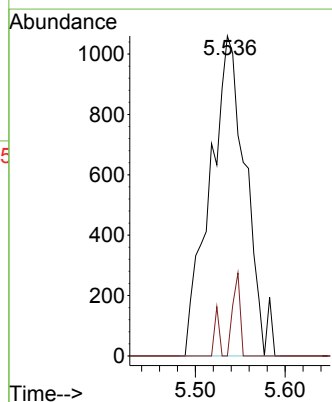
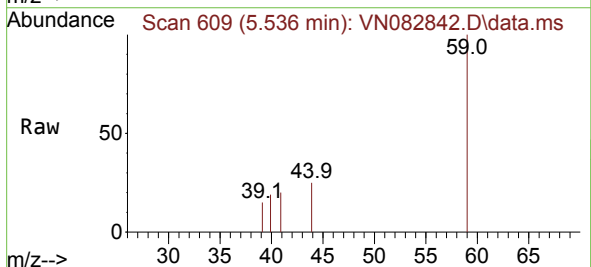


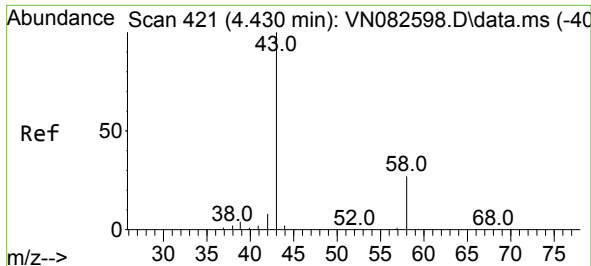
Tgt Ion: 94 Resp: 446
Ion Ratio Lower Upper
94 100
96 96.8 78.0 117.0



#11
Tert butyl alcohol
Concen: 12.771 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Tgt Ion: 59 Resp: 2927
Ion Ratio Lower Upper
59 100
57 2.0 8.9 13.3#

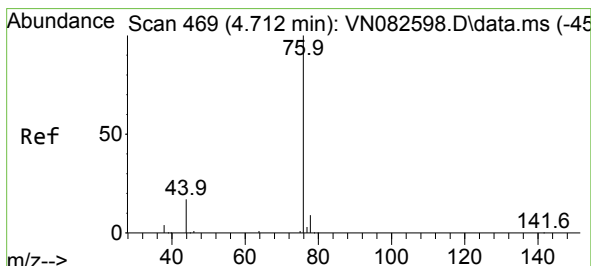
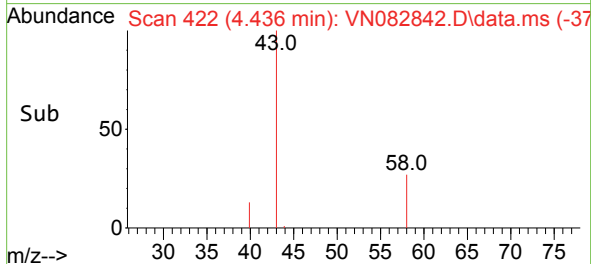
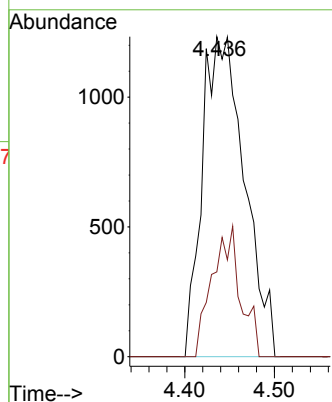
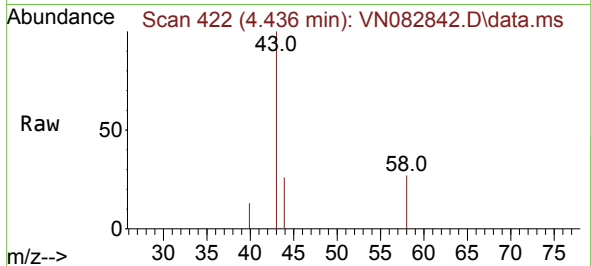




#16
Acetone
Concen: 8.425 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

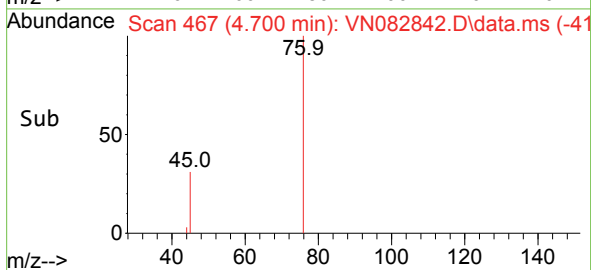
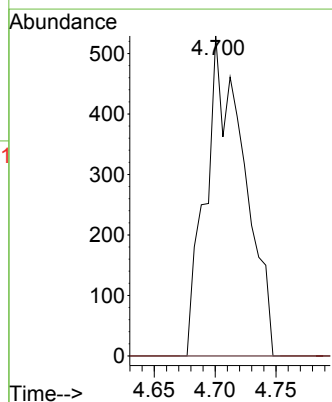
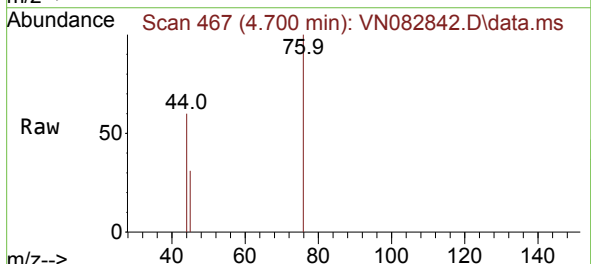
Instrument :
MSVOA_N
ClientSampleId :

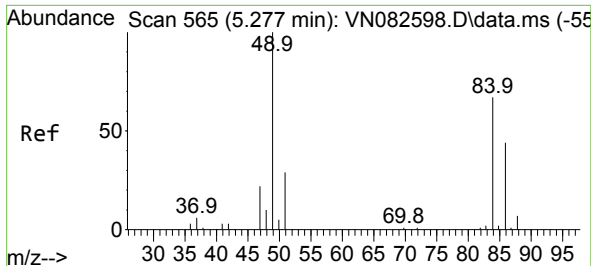
Tgt Ion: 43 Resp: 4042
Ion Ratio Lower Upper
43 100
58 26.5 21.8 32.6



#17
Carbon Disulfide
Concen: 0.390 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

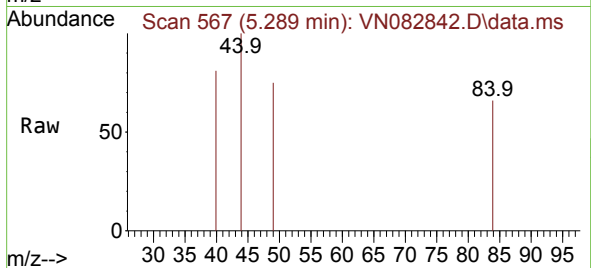
Tgt Ion: 76 Resp: 1156
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



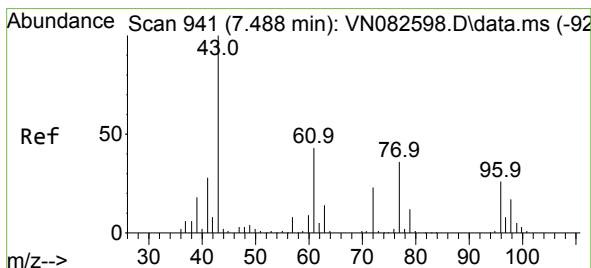
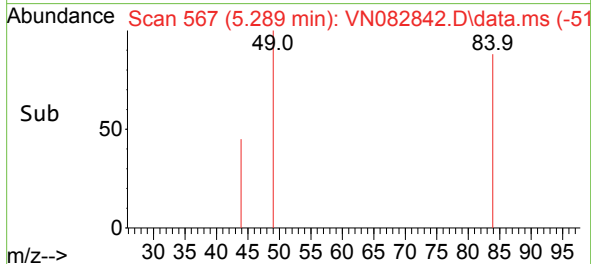
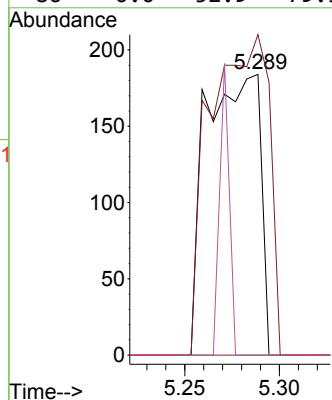


#20
Methylene Chloride
Concen: 0.313 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

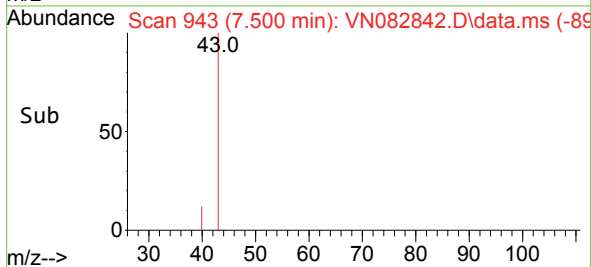
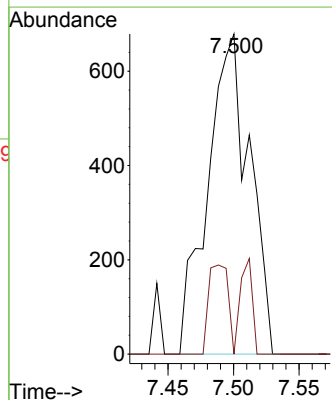
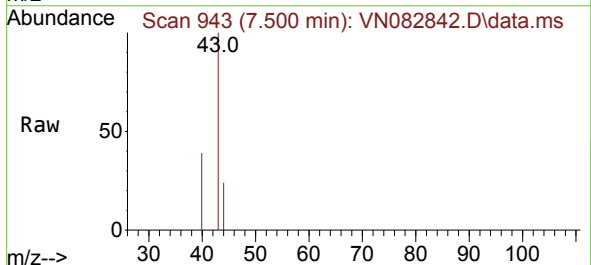


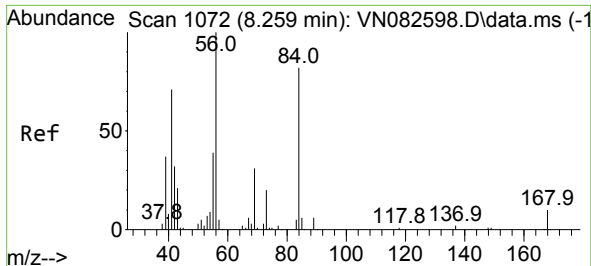
Tgt Ion:	84	Resp:	363
Ion	Ratio	Lower	Upper
84	100		
49	114.1	119.6	179.4#
51	0.0	34.8	52.2#
86	0.0	52.9	79.3#



#25
2-Butanone
Concen: 2.090 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

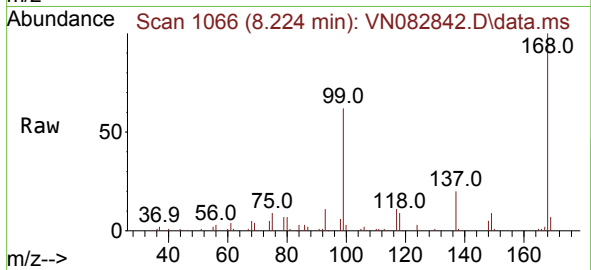
Tgt Ion:	43	Resp:	1514
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#



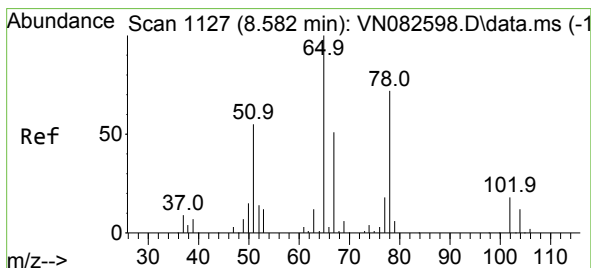
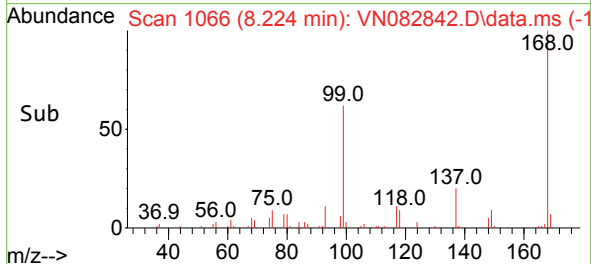
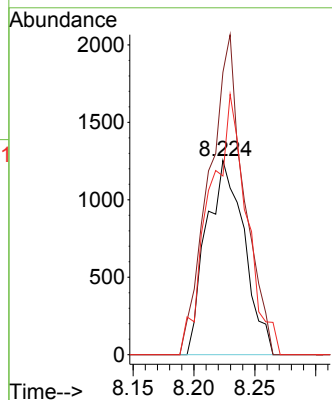


#31
Cyclohexane
Concen: 1.519 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

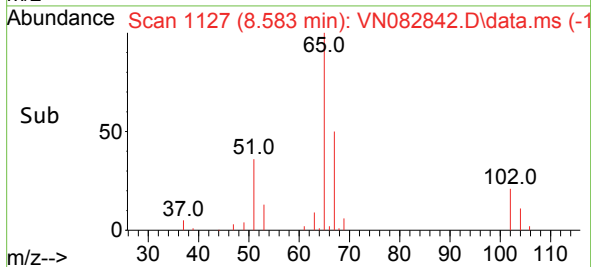
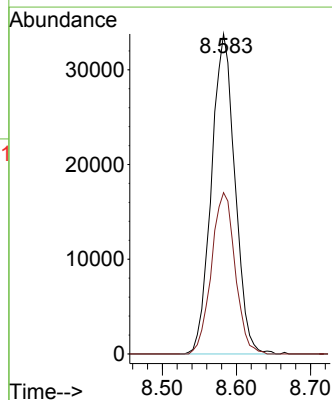
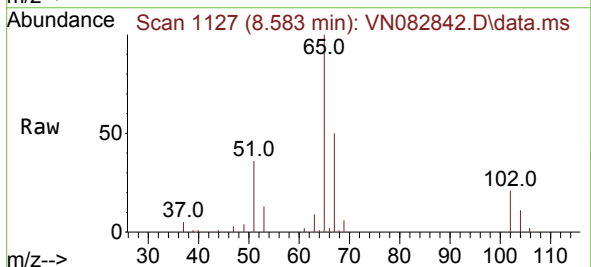


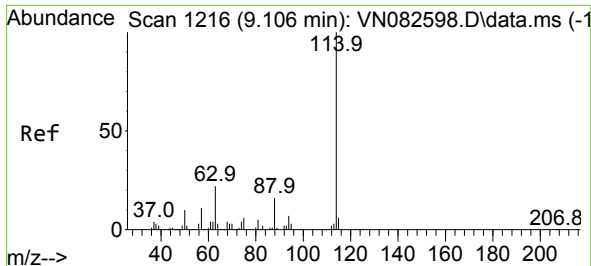
Tgt Ion: 56 Resp: 2706
Ion Ratio Lower Upper
56 100
69 145.4 24.5 36.7#
84 92.0 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 54.552 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

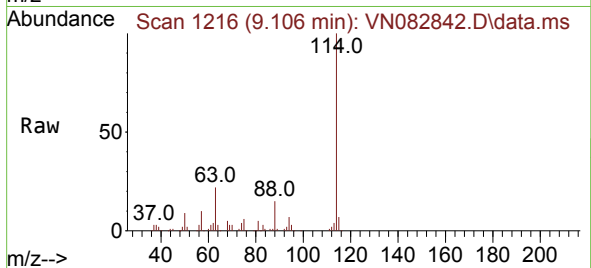
Tgt Ion: 65 Resp: 74334
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.4



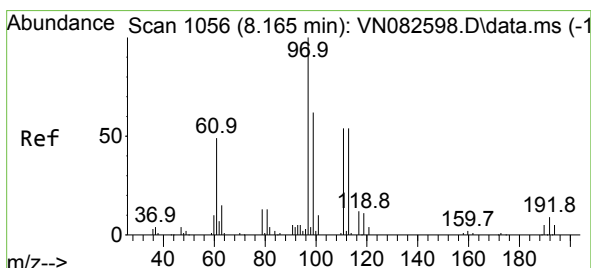
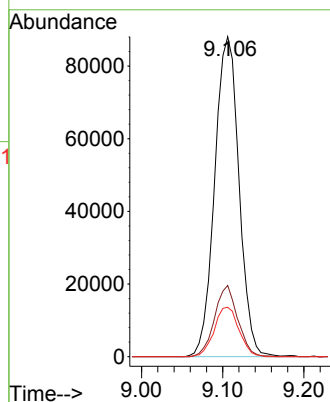
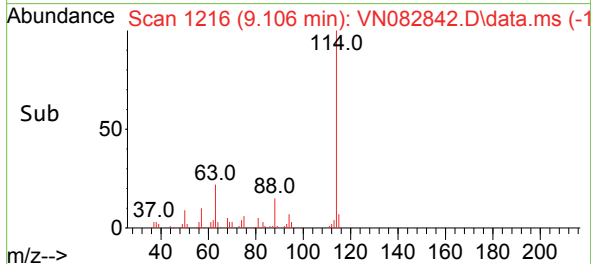


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

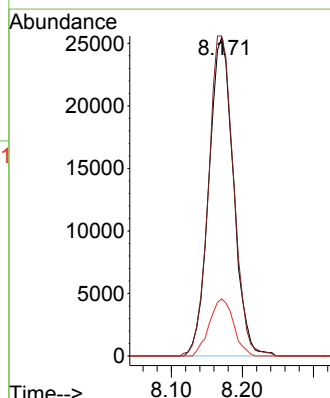
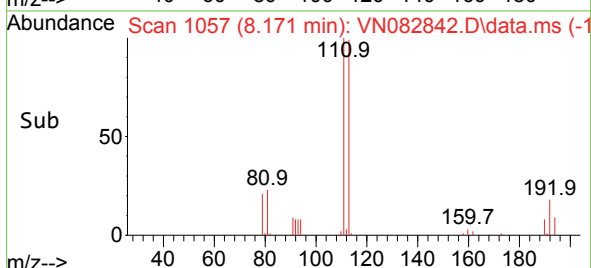
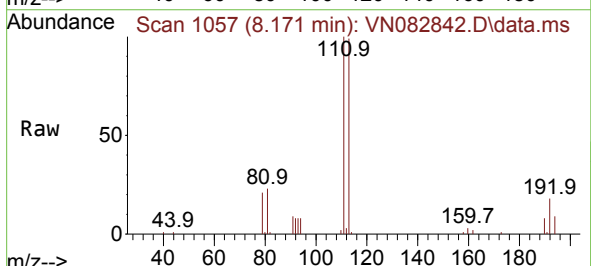


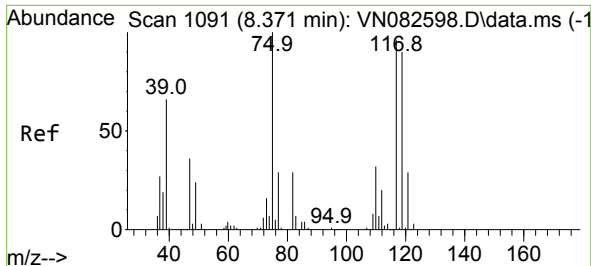
Tgt Ion:114 Resp: 183488
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.6
88 15.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.842 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Tgt Ion:113 Resp: 61039
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 17.7 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.369 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

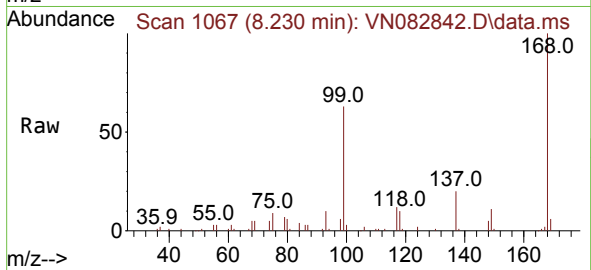
Lab File: VN082842.D

Acq: 09 Jul 2024 16:21

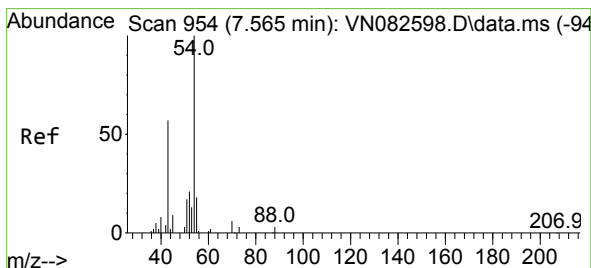
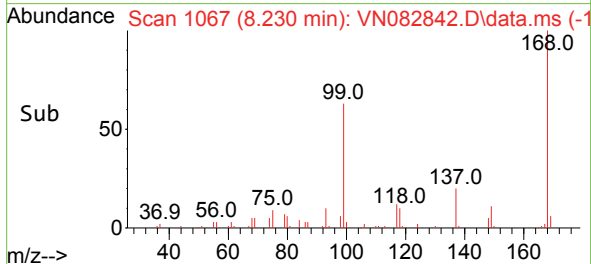
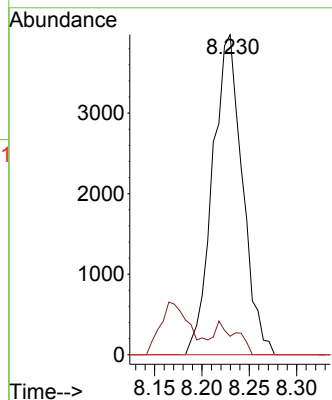
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	8715
Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 0.916 ug/l

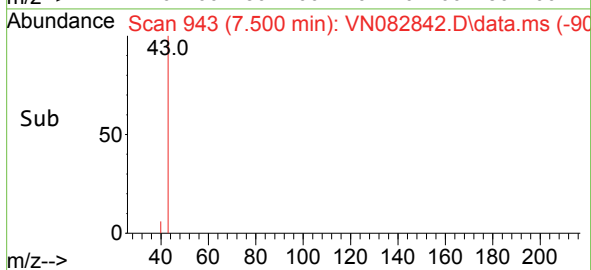
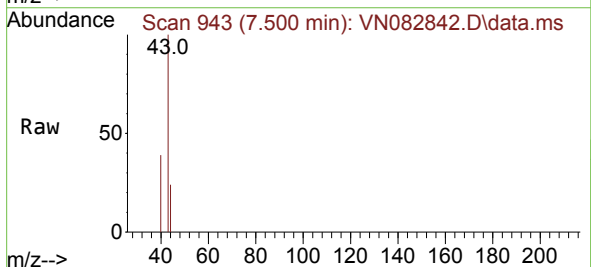
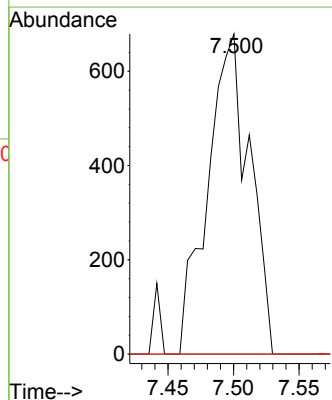
RT: 7.500 min Scan# 943

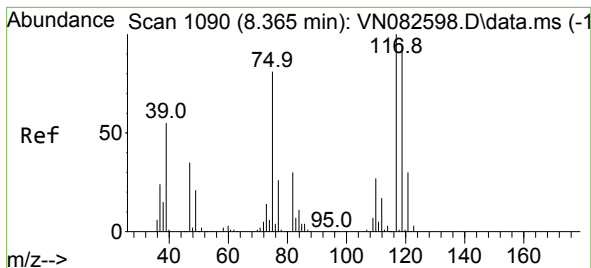
Delta R.T. -0.065 min

Lab File: VN082842.D

Acq: 09 Jul 2024 16:21

Tgt Ion:	43	Resp:	1514
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.3	13.9#
70	0.0	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 5.550 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

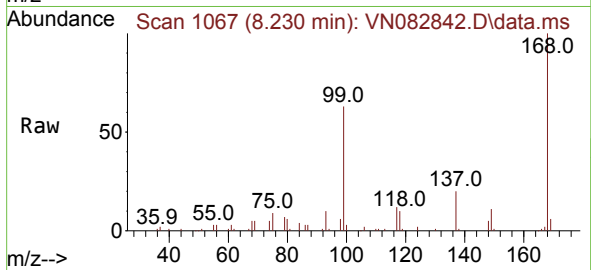
Lab File: VN082842.D

Acq: 09 Jul 2024 16:21

Instrument :

MSVOA_N

ClientSampleId :



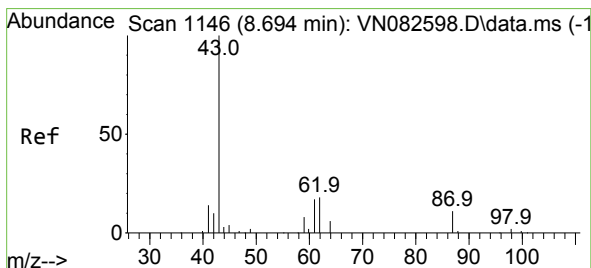
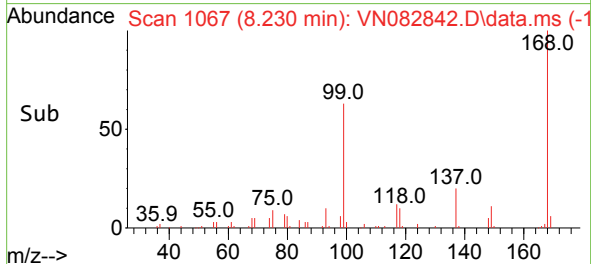
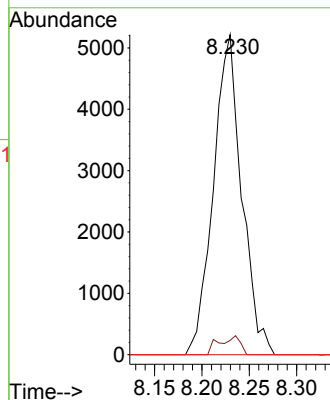
Tgt Ion:117 Resp: 10847

Ion Ratio Lower Upper

117 100

119 4.4 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.712 min Scan# 1149

Delta R.T. 0.018 min

Lab File: VN082842.D

Acq: 09 Jul 2024 16:21

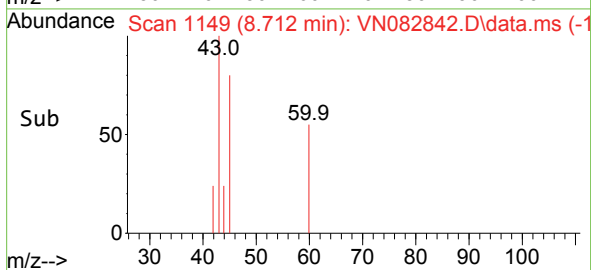
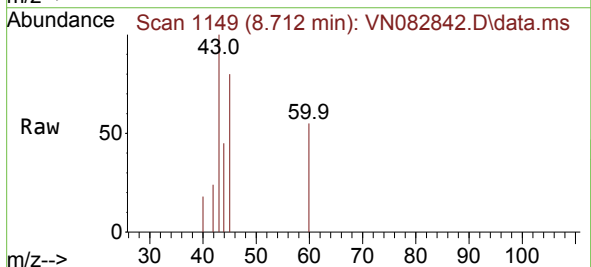
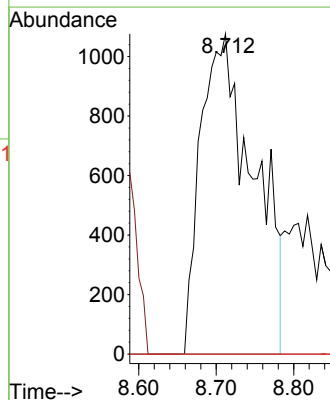
Tgt Ion: 43 Resp: 5123

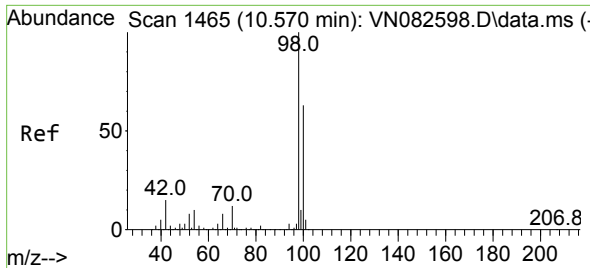
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

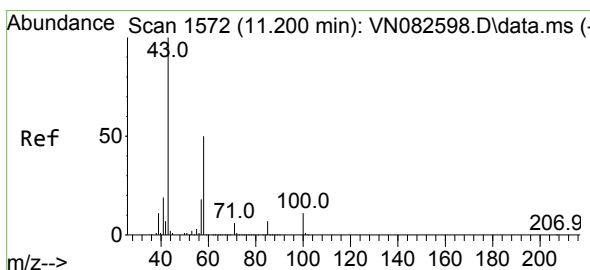
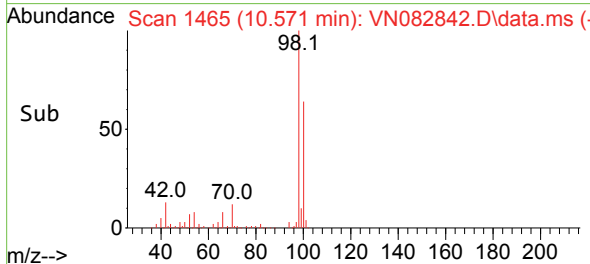
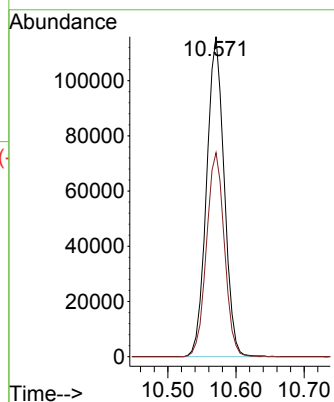
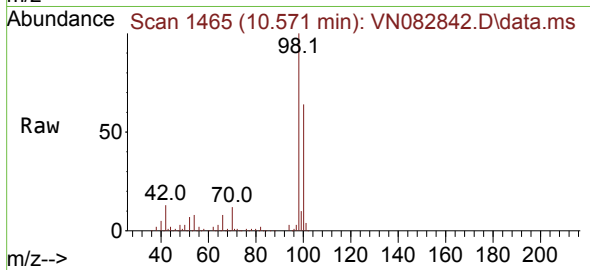




#50
Toluene-d8
Concen: 47.829 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

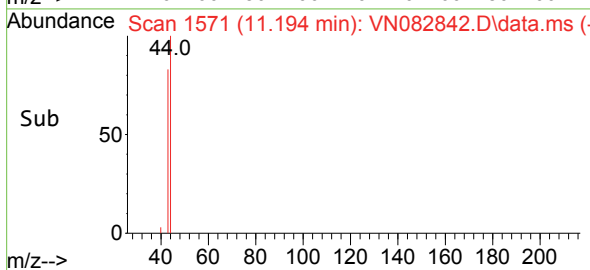
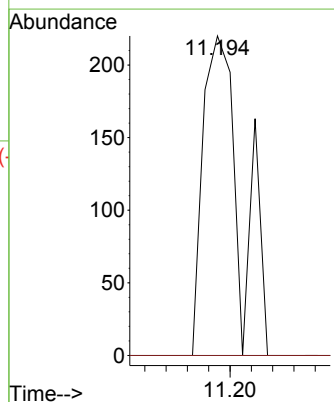
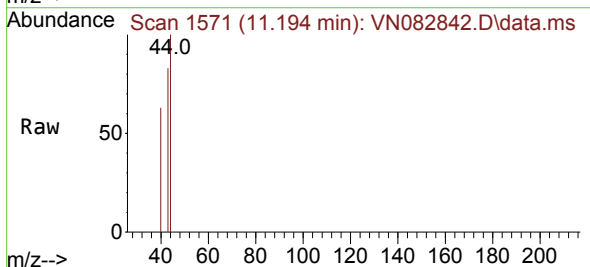
Instrument :
MSVOA_N
ClientSampleId :

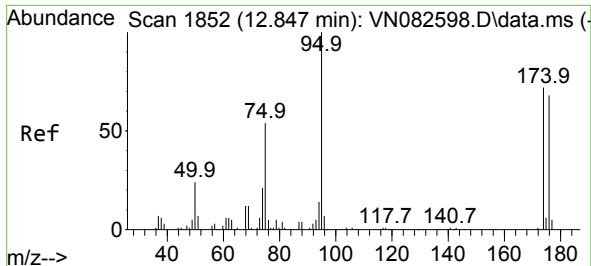
Tgt Ion: 98 Resp: 207992
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#59
2-Hexanone
Concen: 0.221 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

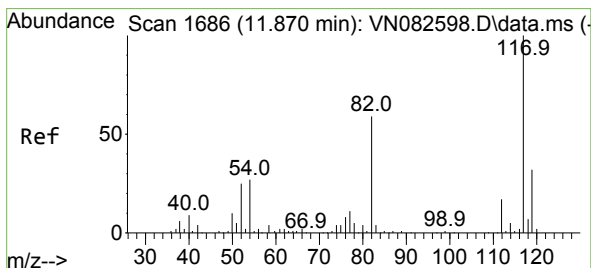
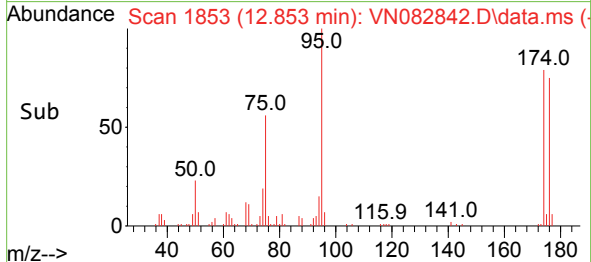
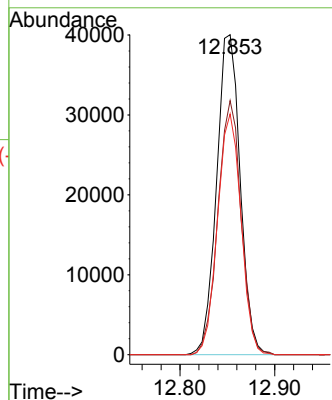
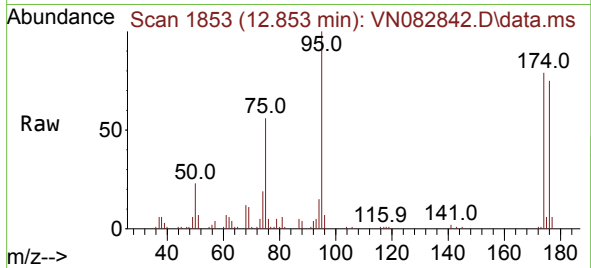




#62
4-Bromofluorobenzene
Concen: 44.394 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

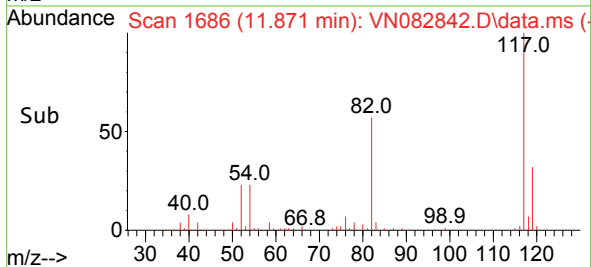
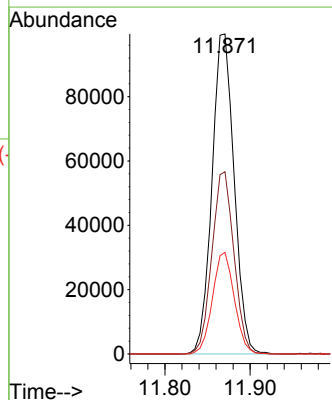
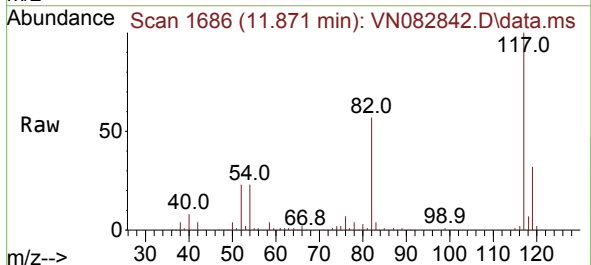
Instrument :
MSVOA_N
ClientSampleId :

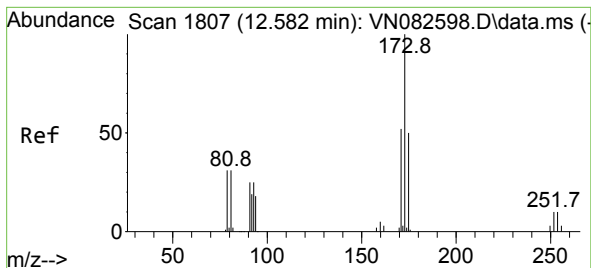
Tgt Ion: 95 Resp: 69348
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.2
176 74.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Tgt Ion: 117 Resp: 179597
Ion Ratio Lower Upper
117 100
82 57.0 47.5 71.3
119 31.7 25.6 38.4





#71

Bromoform

Concen: 0.516 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

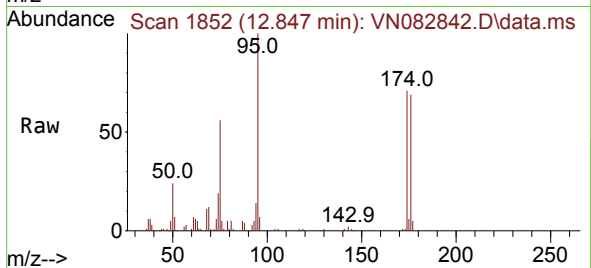
Lab File: VN082842.D

Acq: 09 Jul 2024 16:21

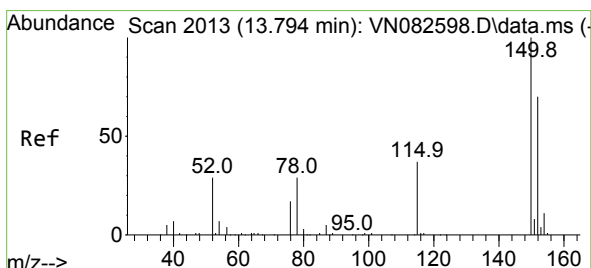
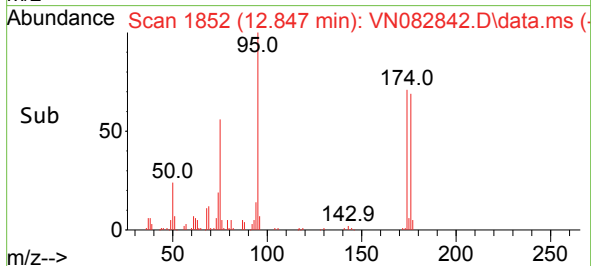
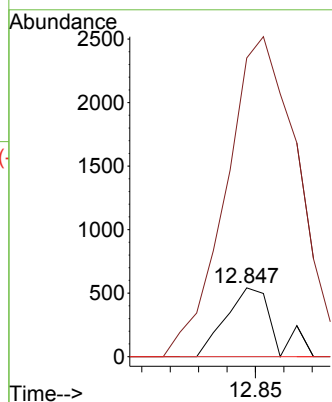
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	556
Ion Ratio	Lower	Upper	
173	100		
175	620.7	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

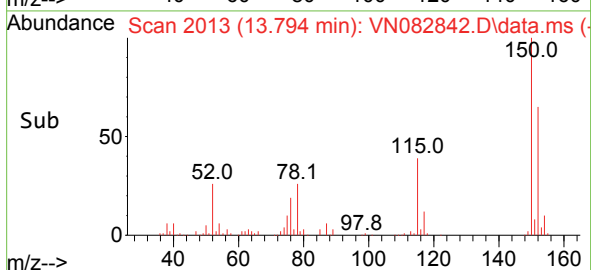
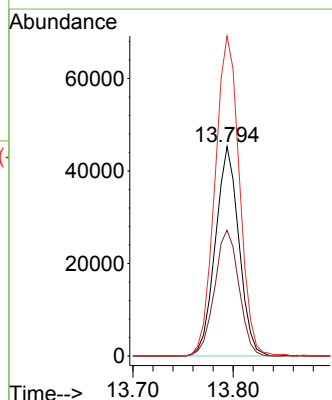
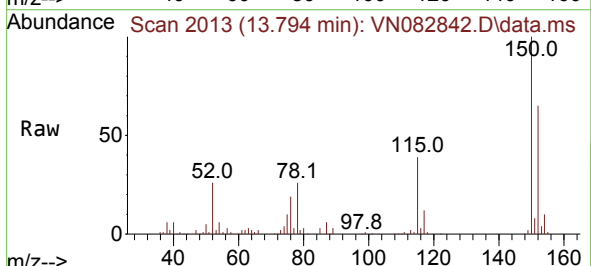
RT: 13.794 min Scan# 2013

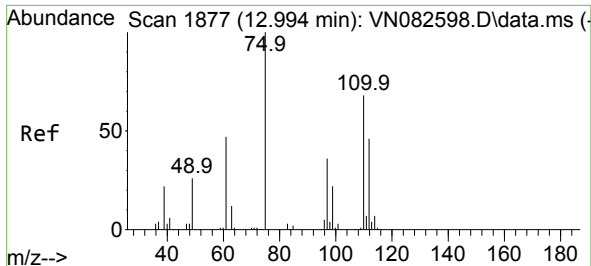
Delta R.T. -0.000 min

Lab File: VN082842.D

Acq: 09 Jul 2024 16:21

Tgt Ion:	152	Resp:	73666
Ion Ratio	Lower	Upper	
152	100		
115	62.1	30.6	91.6
150	158.9	0.0	348.6

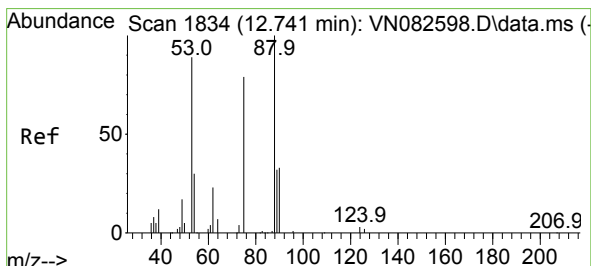
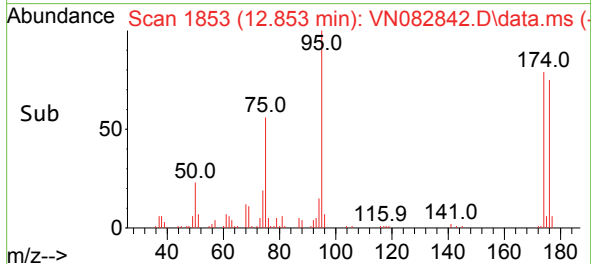
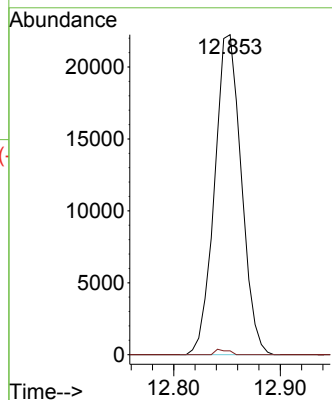
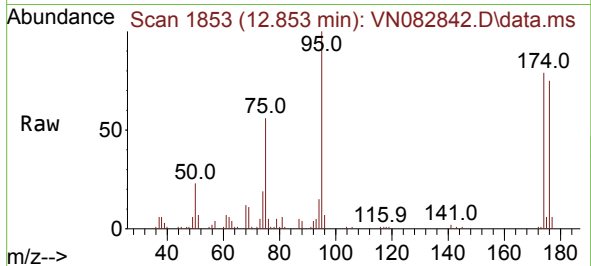




#76
1,2,3-Trichloropropane
Concen: 30.555 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

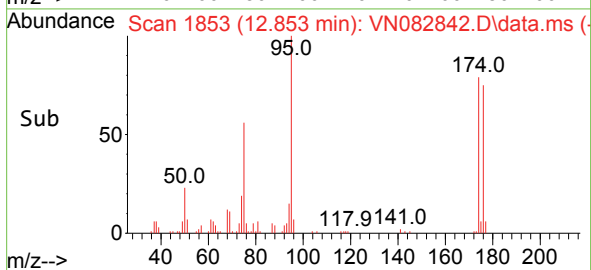
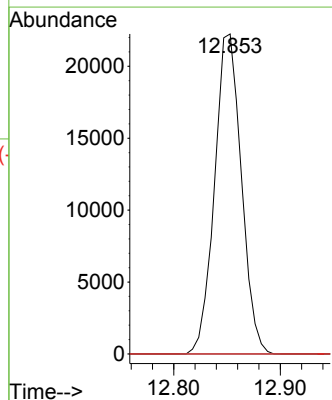
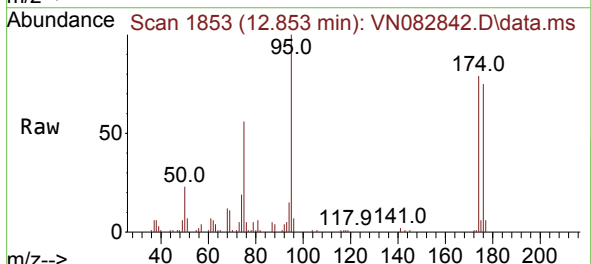
Instrument :
MSVOA_N
ClientSampleId :

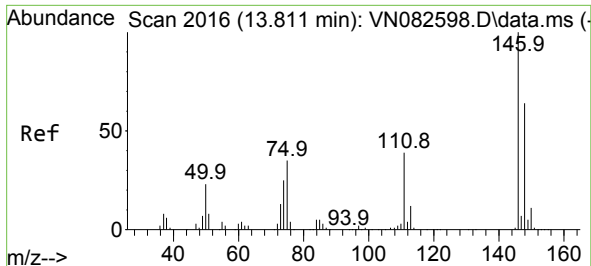
Tgt Ion: 75 Resp: 38806
Ion Ratio Lower Upper
75 100
77 0.8 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.093 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

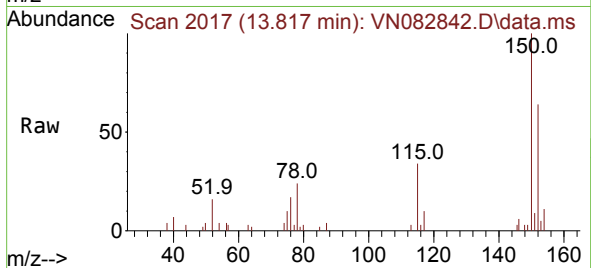
Tgt Ion: 75 Resp: 38806
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



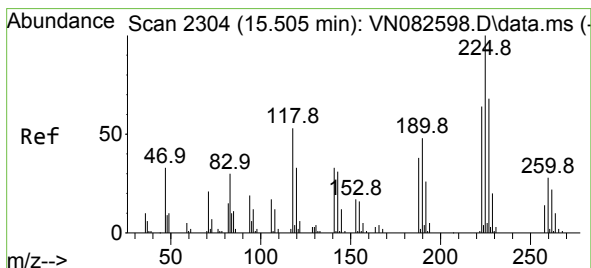
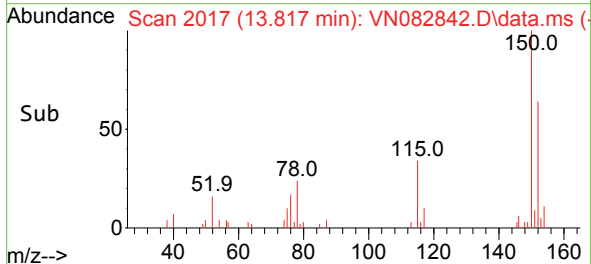
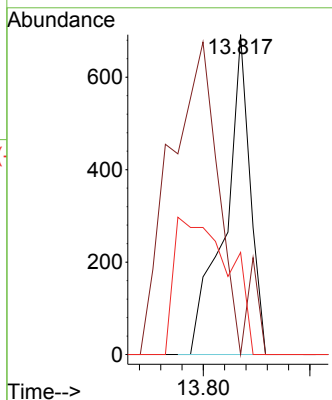


#88
1,4-Dichlorobenzene
Concen: 0.221 ug/l
RT: 13.817 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :

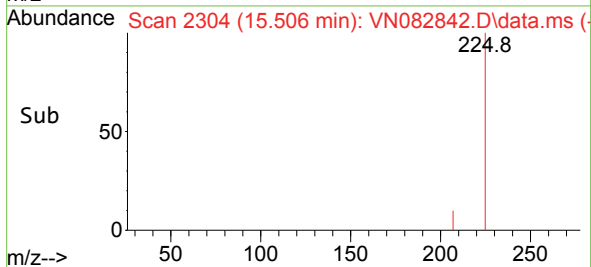
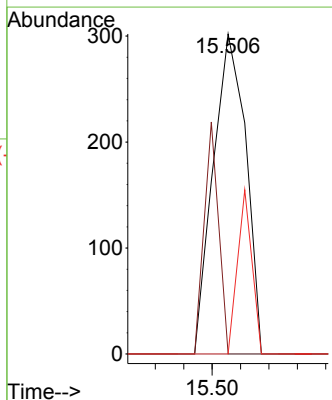
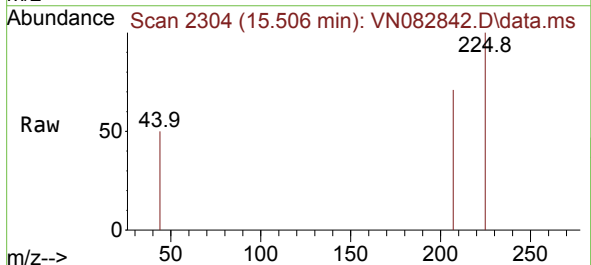


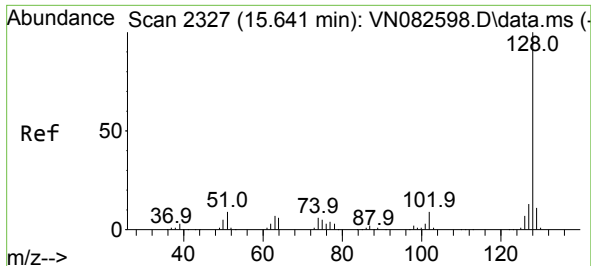
Tgt Ion:146 Resp: 569
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 0.0 32.2 96.6#



#94
Hexachlorobutadiene
Concen: 0.417 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.001 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

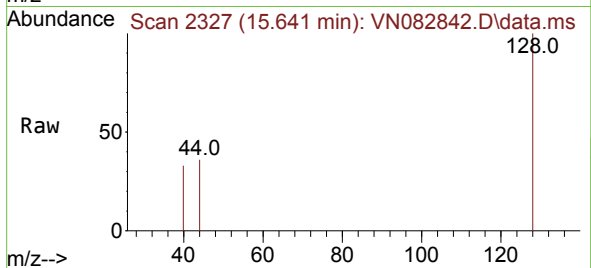
Tgt Ion:225 Resp: 241
Ion Ratio Lower Upper
225 100
223 32.0 31.9 95.7
227 22.8 32.5 97.5#



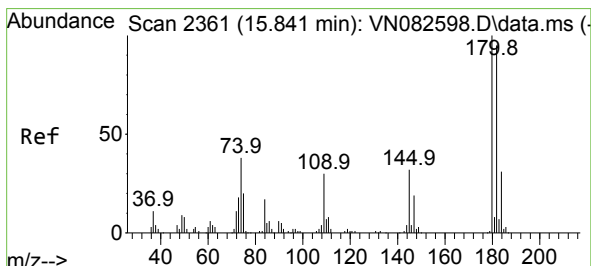
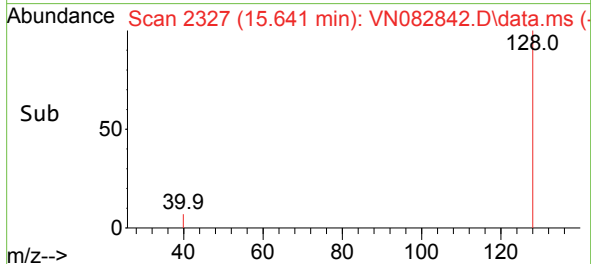
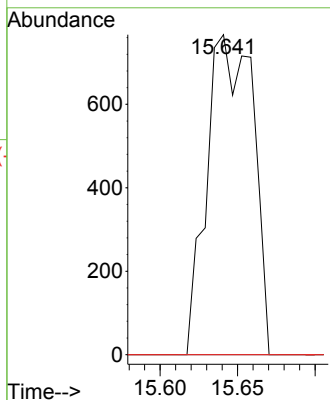


#95
Naphthalene
Concen: 0.356 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1591
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.236 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN082842.D
Acq: 09 Jul 2024 16:21

Tgt Ion:180 Resp: 317
Ion Ratio Lower Upper
180 100
182 145.1 48.9 146.8
145 0.0 16.8 50.4#

