

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021524\
 Data File : VN081037.D
 Acq On : 15 Feb 2024 14:01
 Operator : JC\MD
 Sample : VN0215MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 00:24:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

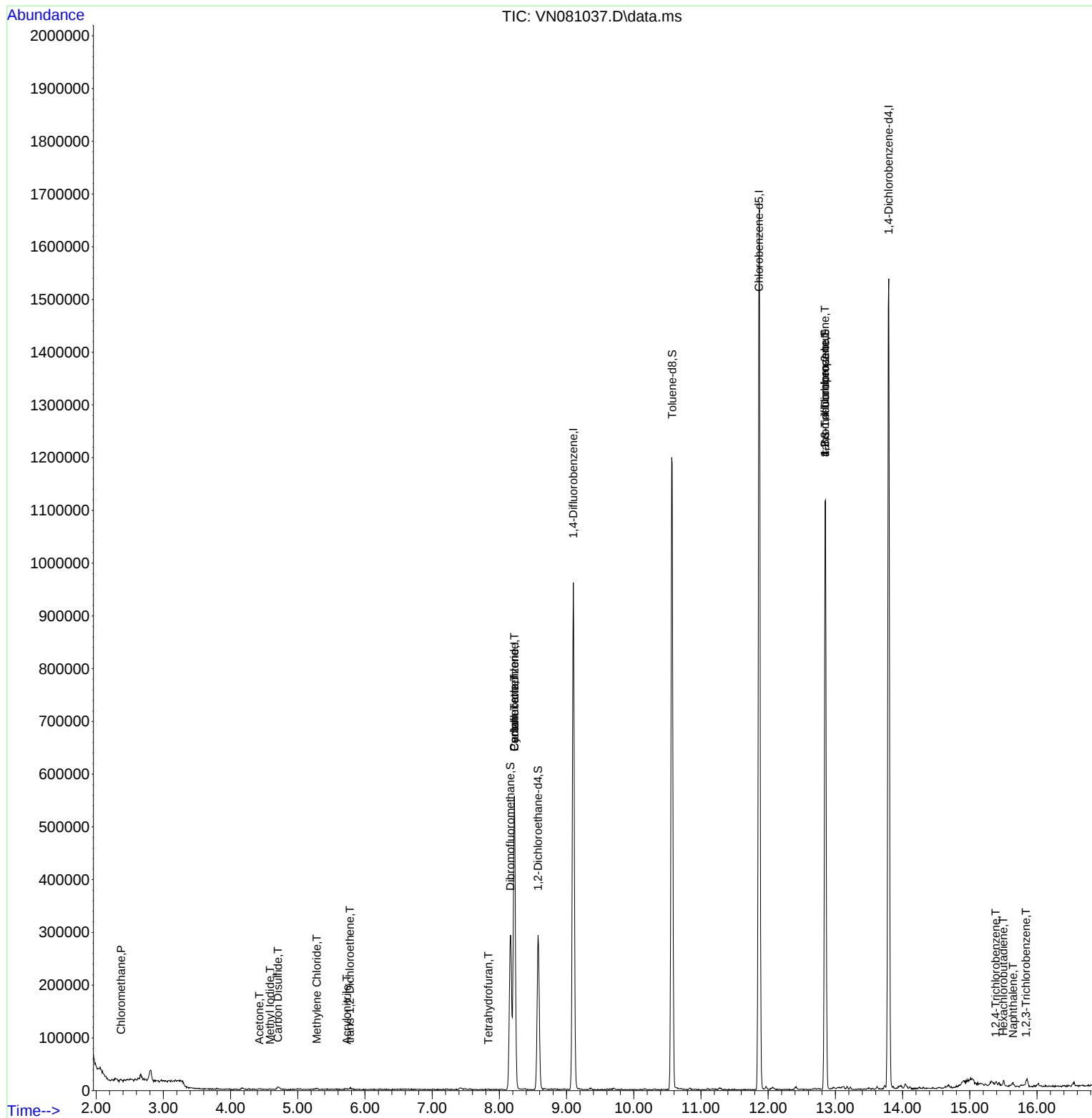
Internal Standards						
1) Pentafluorobenzene	8.224	168	391295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	816985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	962705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	403228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	236028	49.040	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	8.165	113	210081	44.849	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.700%		
50) Toluene-d8	10.571	98	836004	50.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.220%		
62) 4-Bromofluorobenzene	12.847	95	393944	70.116	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	140.240%#		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	7292	1.010	ug/l #	85
10) Methyl Iodide	4.589	142	1409	0.317	ug/l #	69
13) Acrolein	4.165	56	3190	Below Cal	#	75
15) Acrylonitrile	5.730	53	1572	0.711	ug/l #	62
16) Acetone	4.430	43	2649	1.406	ug/l #	44
17) Carbon Disulfide	4.706	76	10450	0.846	ug/l	97
20) Methylene Chloride	5.283	84	1429	0.291	ug/l #	81
21) trans-1,2-Dichloroethene	5.777	96	1713	0.365	ug/l #	76
29) Tetrahydrofuran	7.836	42	486	0.247	ug/l #	74
31) Cyclohexane	8.224	56	10491	1.255	ug/l #	1
38) Carbon Tetrachloride	8.224	117	41620	7.275	ug/l #	18
49) 1,4-Dioxane	9.694	88	1025	Below Cal	#	75
76) 1,2,3-Trichloropropane	12.847	75	214075	24.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	214075	55.932	ug/l #	14
90) Hexachloroethane	14.353	117	92	Below Cal		90
92) 1,2-Dibromo-3-Chloropr...	14.706	75	197	Below Cal	#	13
93) 1,2,4-Trichlorobenzene	15.388	180	2518	0.309	ug/l	92
94) Hexachlorobutadiene	15.500	225	2005	0.595	ug/l	83
95) Naphthalene	15.647	128	8529	0.294	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2528	0.317	ug/l	76

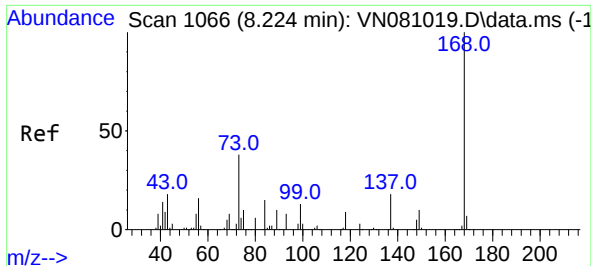
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 16 00:24:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 15 07:59:19 2024
Response via : Initial Calibration

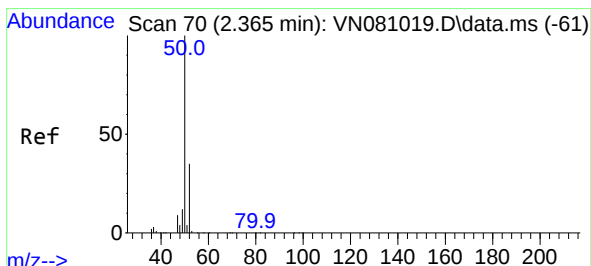
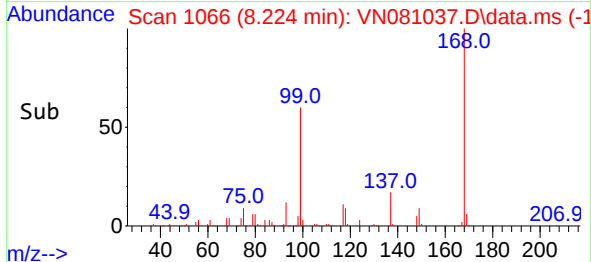
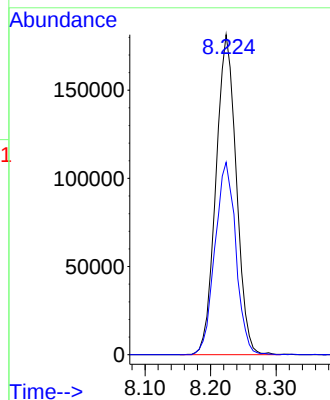
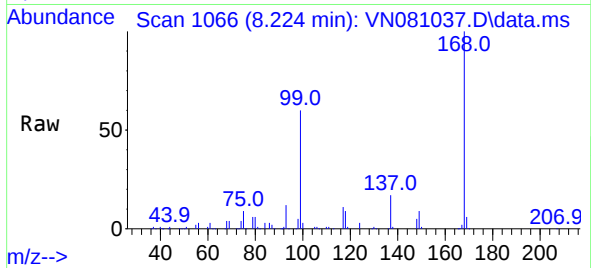




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

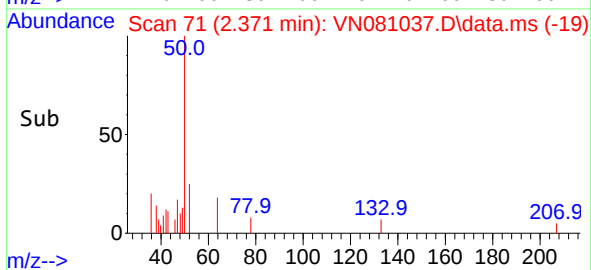
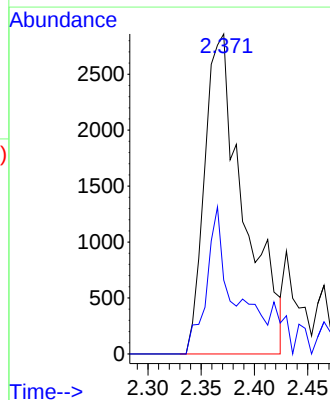
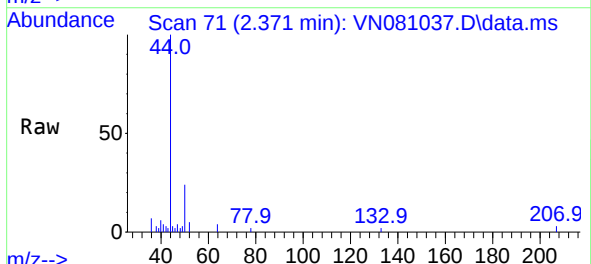
Instrument :
MSVOA_N
ClientSampleId :

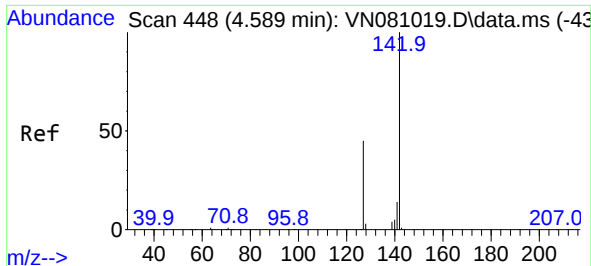
Tgt Ion:168 Resp: 391295
Ion Ratio Lower Upper
168 100
99 60.1 59.9 89.9



#3
Chloromethane
Concen: 1.010 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

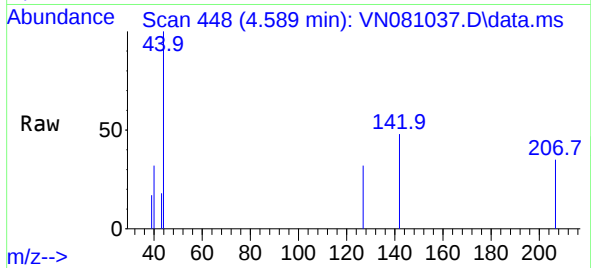
Tgt Ion: 50 Resp: 7292
Ion Ratio Lower Upper
50 100
52 23.1 25.0 37.4#



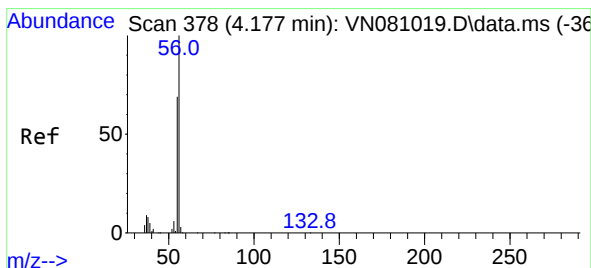
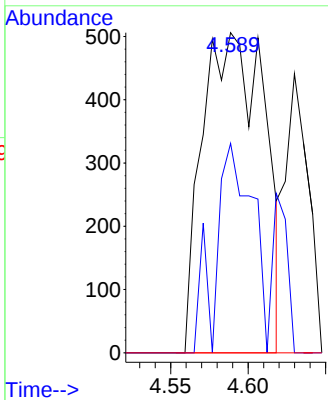
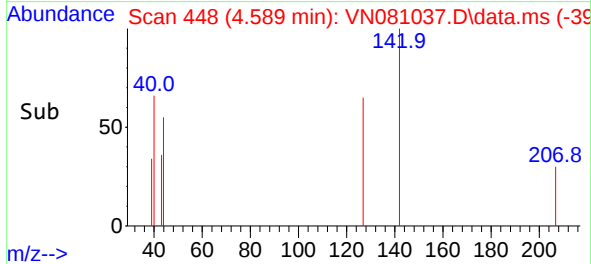


#10
Methyl Iodide
Concen: 0.317 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :

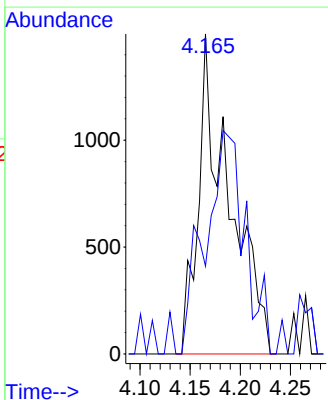
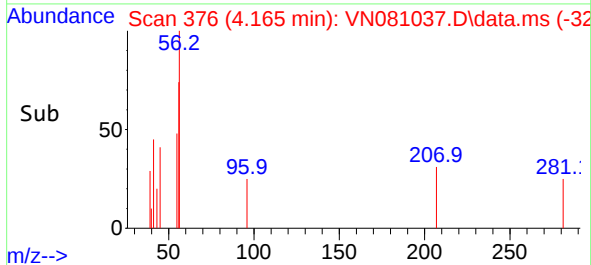
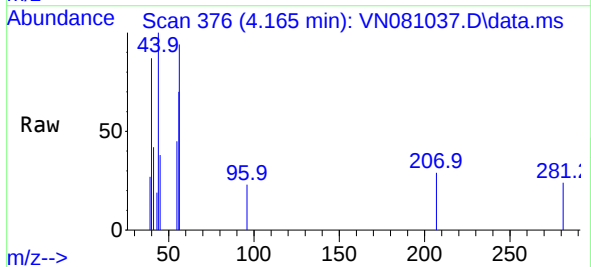


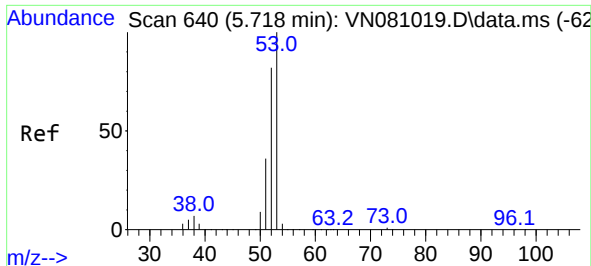
Tgt Ion:142 Resp: 1409
Ion Ratio Lower Upper
142 100
127 65.4 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: Below Cal
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

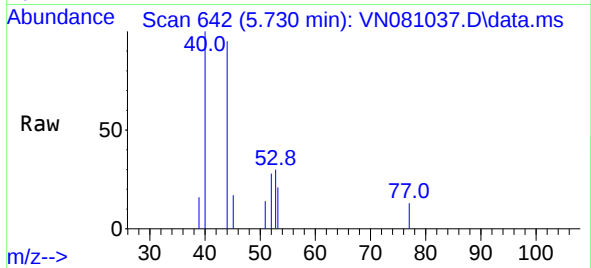
Tgt Ion: 56 Resp: 3190
Ion Ratio Lower Upper
56 100
55 89.7 55.3 82.9#



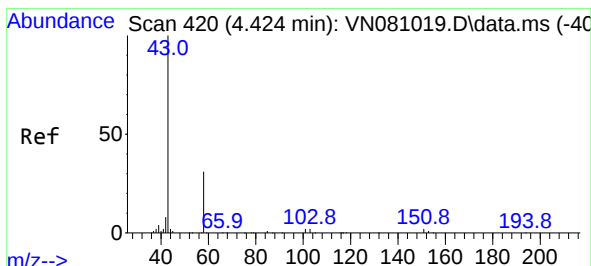
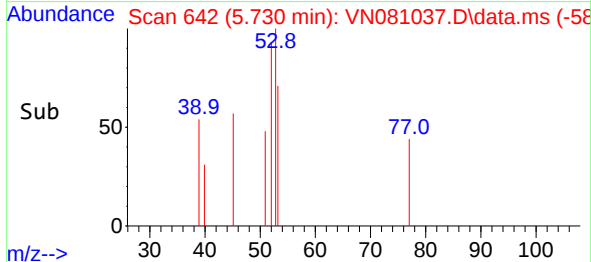
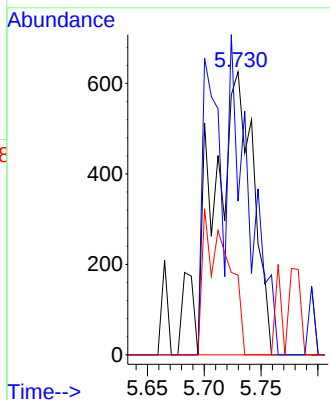


#15
Acrylonitrile
Concen: 0.711 ug/l
RT: 5.730 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :

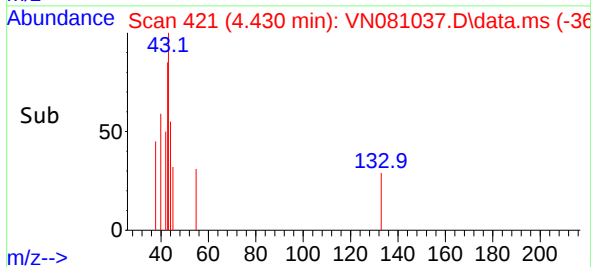
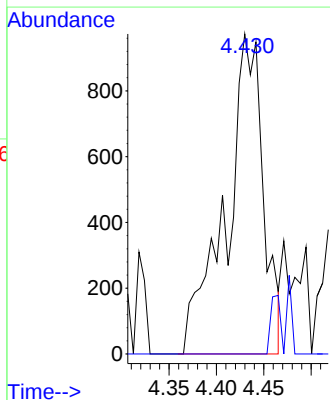
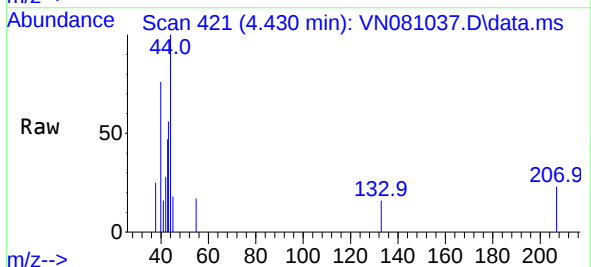


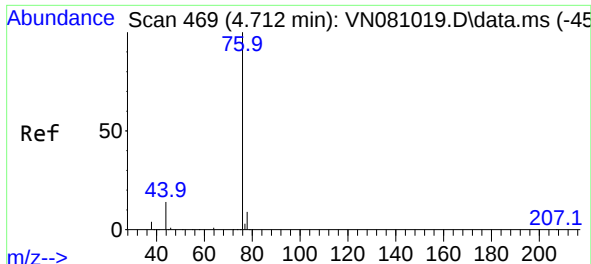
Tgt Ion: 53 Resp: 1572
Ion Ratio Lower Upper
53 100
52 55.4 64.8 97.2#
51 0.0 26.9 40.3#



#16
Acetone
Concen: 1.406 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

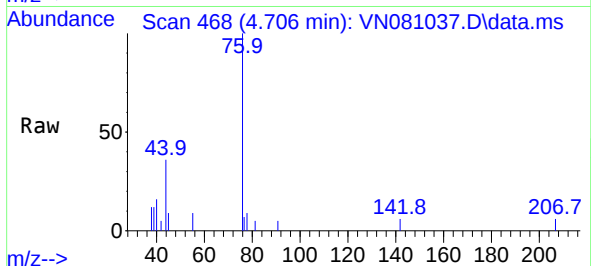
Tgt Ion: 43 Resp: 2649
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



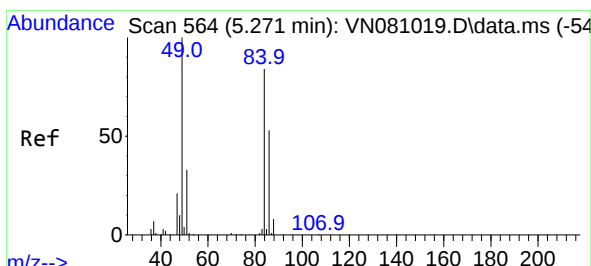
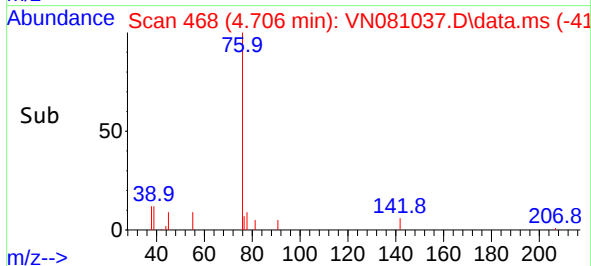
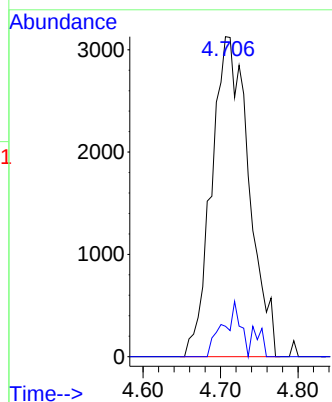


#17
Carbon Disulfide
Concen: 0.846 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :

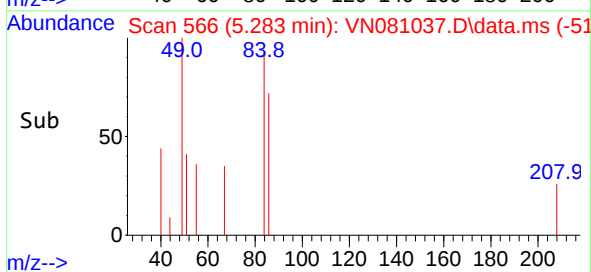
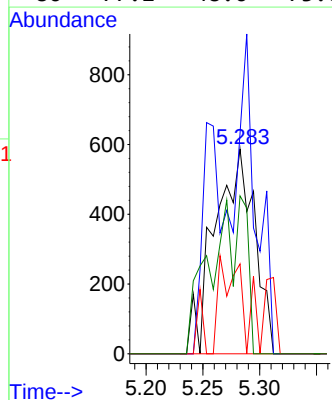
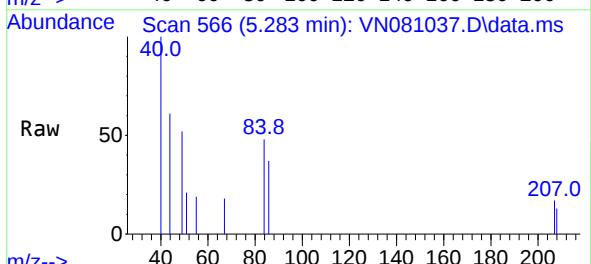


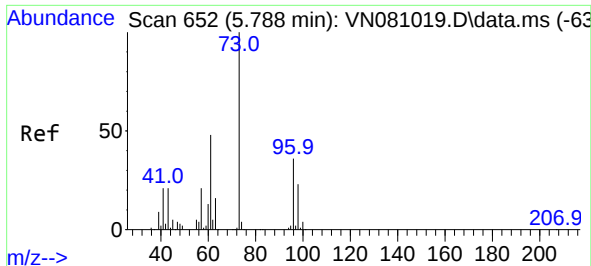
Tgt Ion: 76 Resp: 10450
Ion Ratio Lower Upper
76 100
78 8.9 6.3 9.5



#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

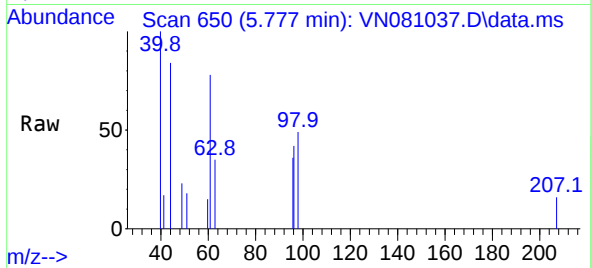
Tgt Ion: 84 Resp: 1429
Ion Ratio Lower Upper
84 100
49 107.7 108.1 162.1#
51 44.0 32.9 49.3
86 77.2 48.6 73.0#



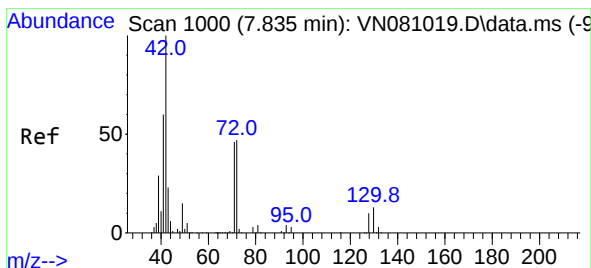
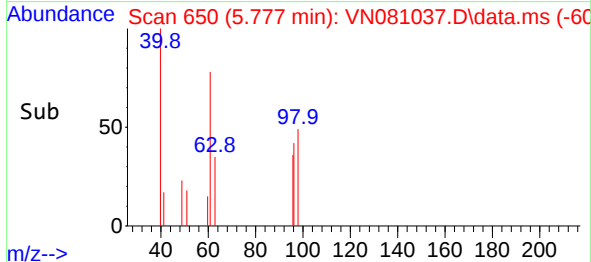
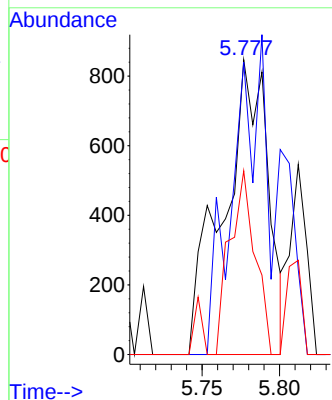


#21
trans-1,2-Dichloroethene
Concen: 0.365 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :

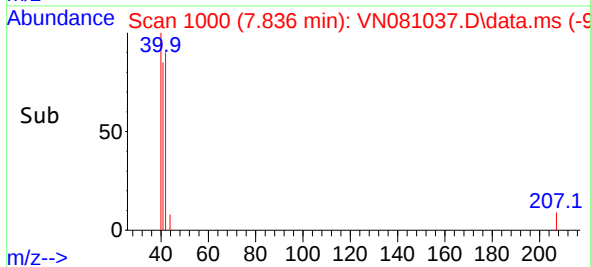
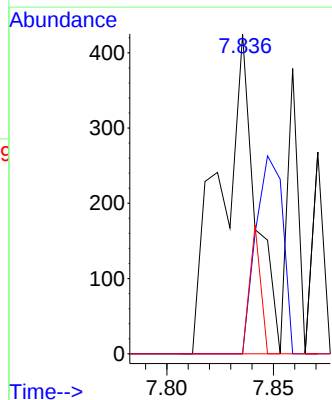
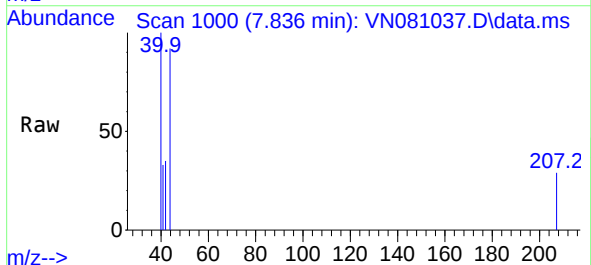


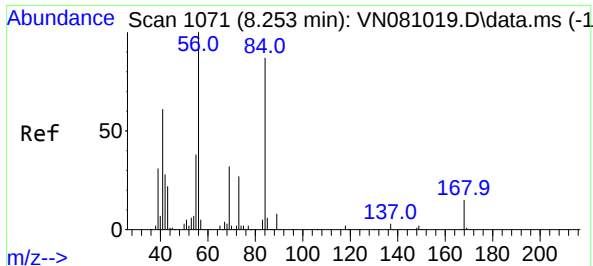
Tgt Ion: 96 Resp: 1713
Ion Ratio Lower Upper
96 100
61 99.2 112.8 169.2#
98 62.3 51.0 76.4



#29
Tetrahydrofuran
Concen: 0.247 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

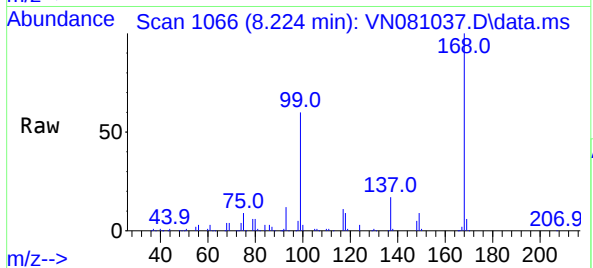
Tgt Ion: 42 Resp: 486
Ion Ratio Lower Upper
42 100
72 47.5 31.1 46.7#
71 12.3 28.3 42.5#



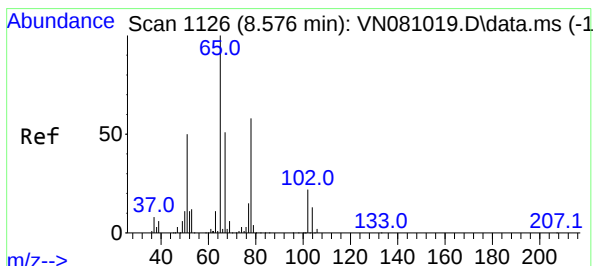
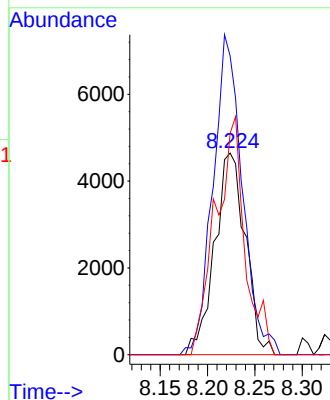
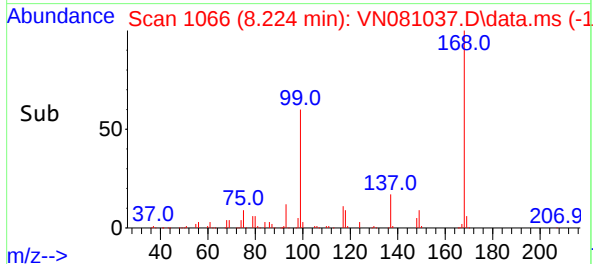


#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :

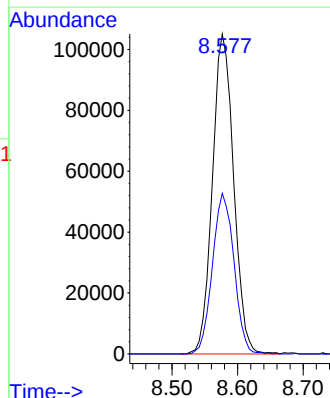
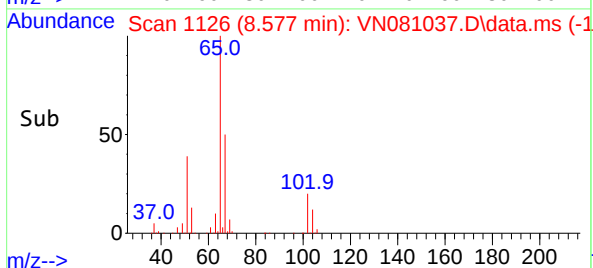
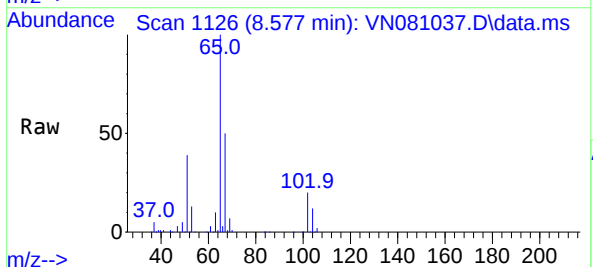


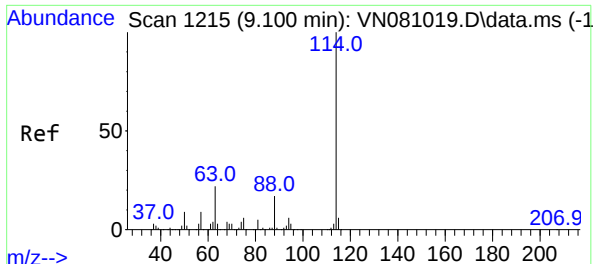
Tgt Ion: 56 Resp: 10491
Ion Ratio Lower Upper
56 100
69 148.1 20.1 30.1#
84 109.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 49.040 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Tgt Ion: 65 Resp: 236028
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081037.D

Acq: 15 Feb 2024 14:01

Instrument :

MSVOA_N

ClientSampleId :

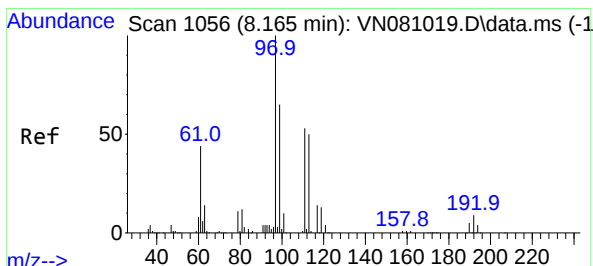
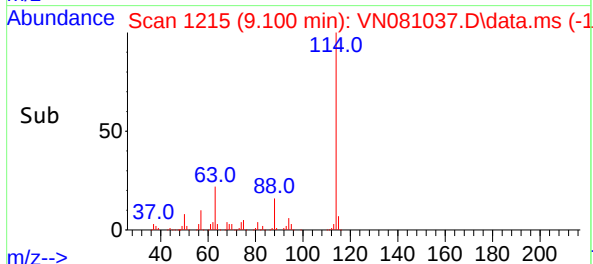
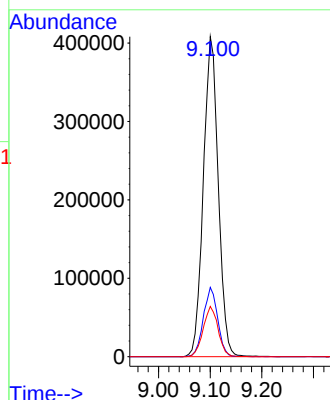
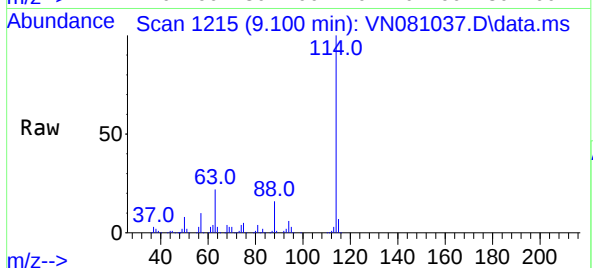
Tgt Ion:114 Resp: 816985

Ion Ratio Lower Upper

114 100

63 21.6 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 44.849 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081037.D

Acq: 15 Feb 2024 14:01

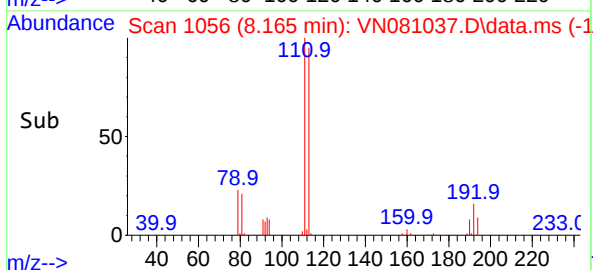
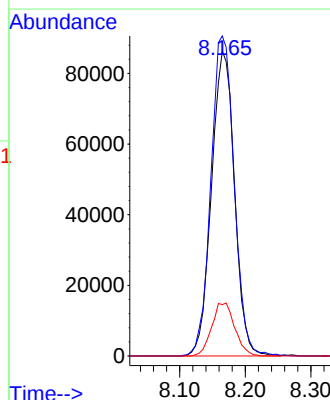
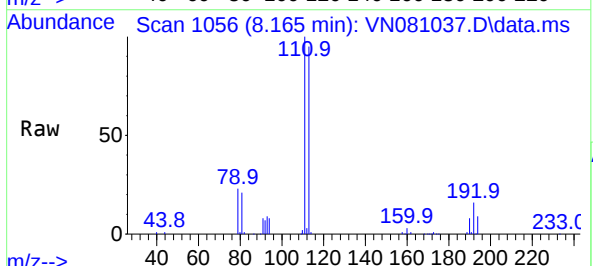
Tgt Ion:113 Resp: 210081

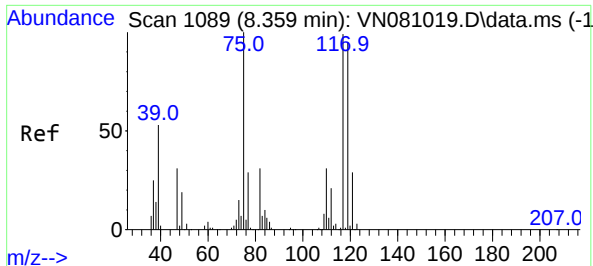
Ion Ratio Lower Upper

113 100

111 106.4 82.2 123.4

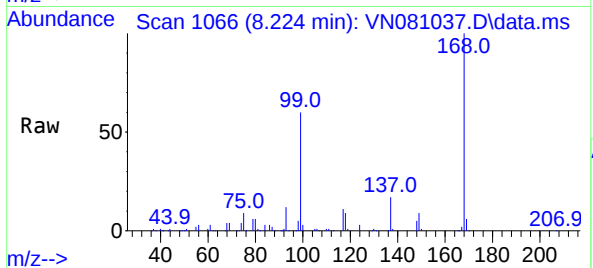
192 17.4 12.5 18.7



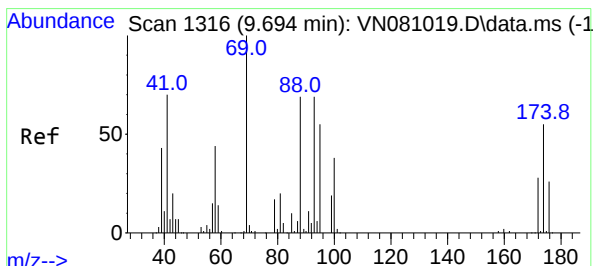
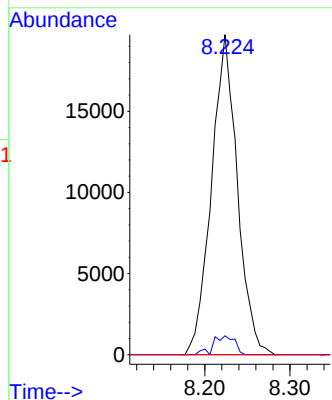
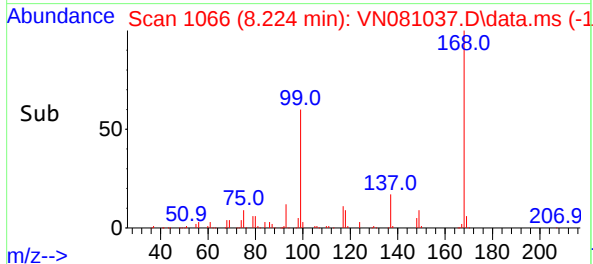


#38
Carbon Tetrachloride
Concen: 7.275 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

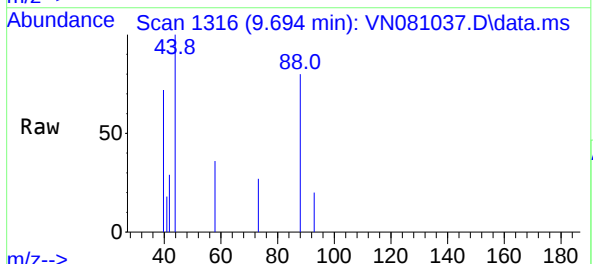
Instrument :
MSVOA_N
ClientSampleId :



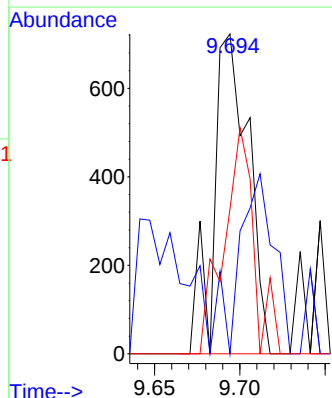
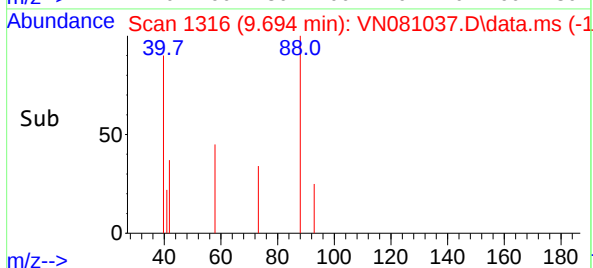
Tgt Ion:117 Resp: 41620
Ion Ratio Lower Upper
117 100
119 5.9 73.4 110.2#
121 0.0 24.4 36.6#

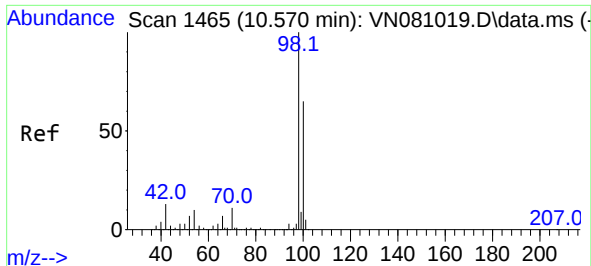


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01



Tgt Ion: 88 Resp: 1025
Ion Ratio Lower Upper
88 100
43 57.7 30.1 45.1#
58 61.4 63.9 95.9#

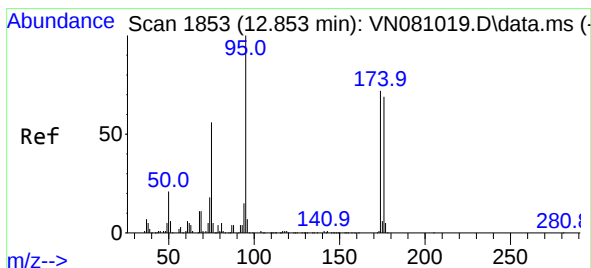
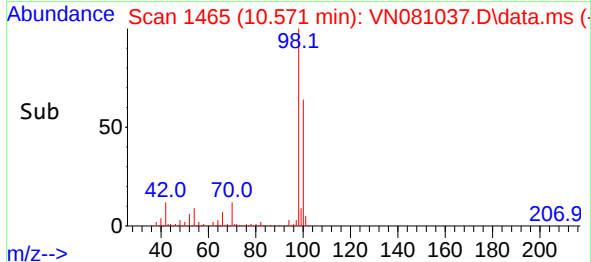
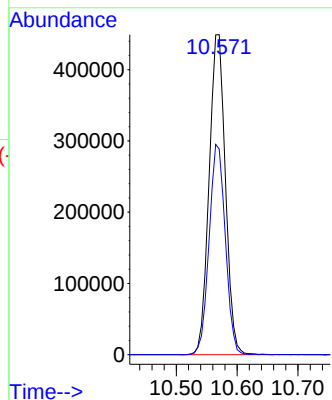
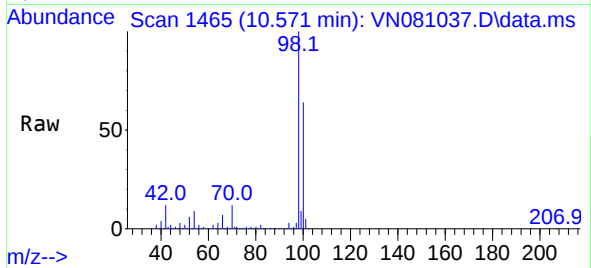




#50
Toluene-d8
Concen: 50.606 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

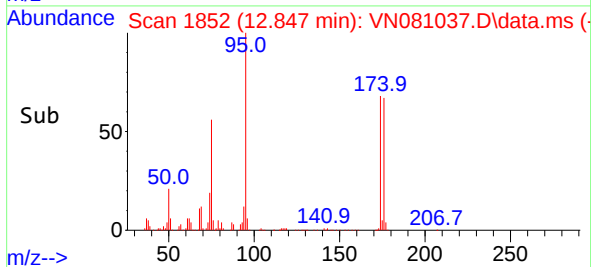
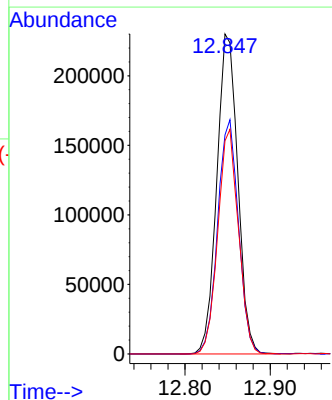
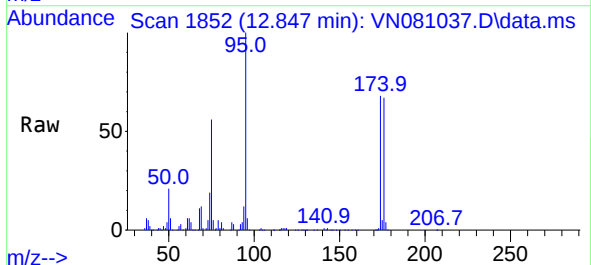
Instrument :
MSVOA_N
ClientSampleId :

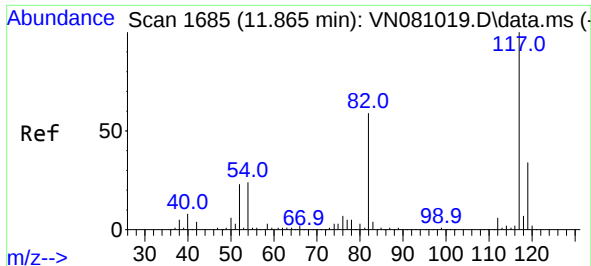
Tgt Ion: 98 Resp: 836004
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 70.116 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Tgt Ion: 95 Resp: 393944
Ion Ratio Lower Upper
95 100
174 72.5 0.0 120.4
176 68.9 0.0 121.0

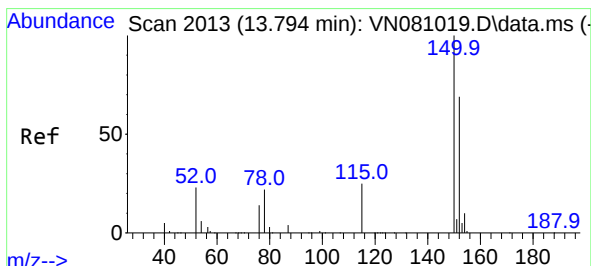
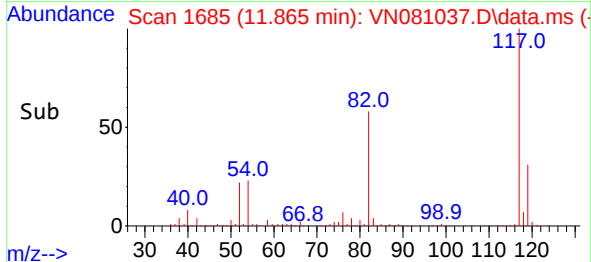
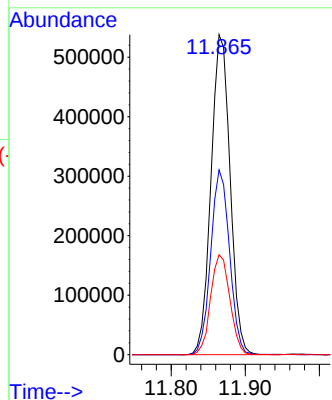
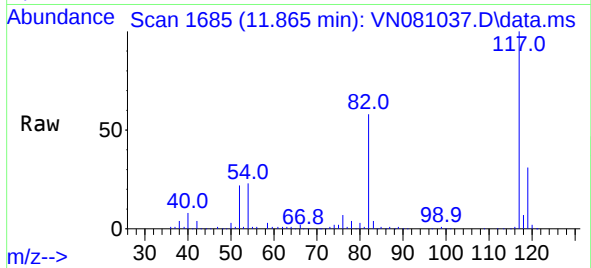




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

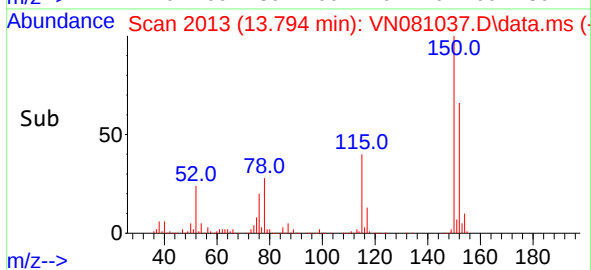
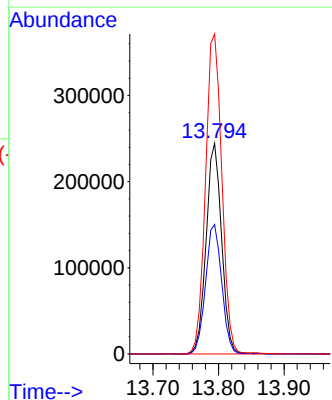
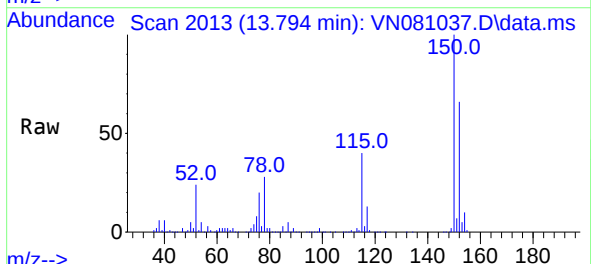
Instrument :
MSVOA_N
ClientSampleId :

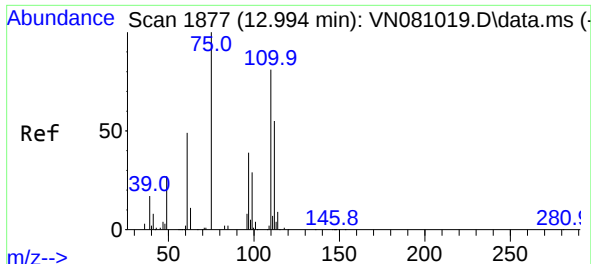
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	52.7	79.1
119	31.2	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	32.3	96.8
150	159.0	0.0	339.8

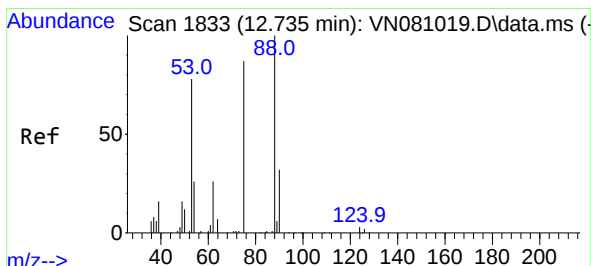
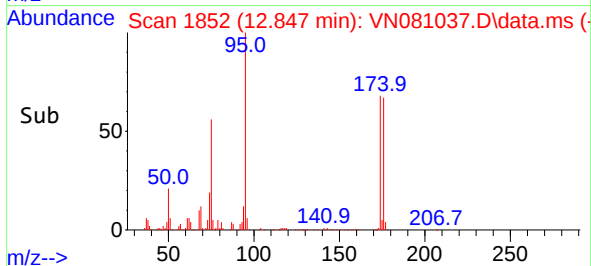
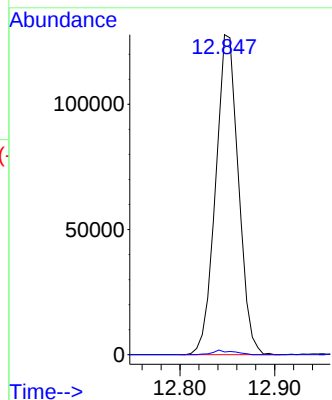
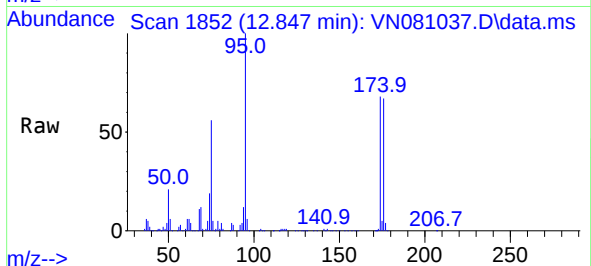




#76
1,2,3-Trichloropropane
Concen: 24.027 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

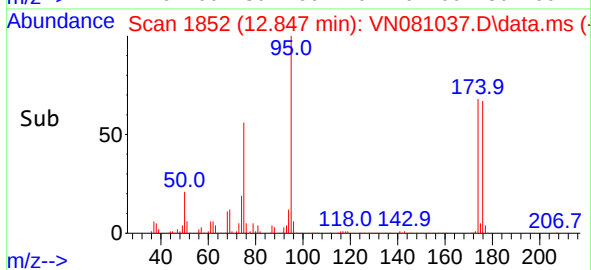
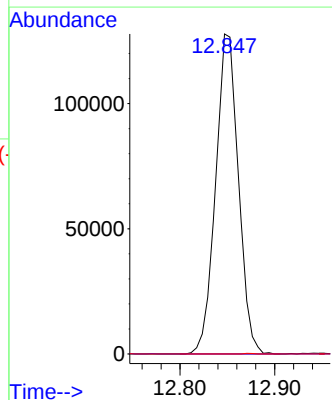
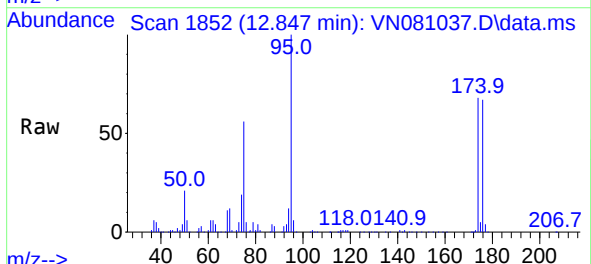
Instrument :
MSVOA_N
ClientSampleId :

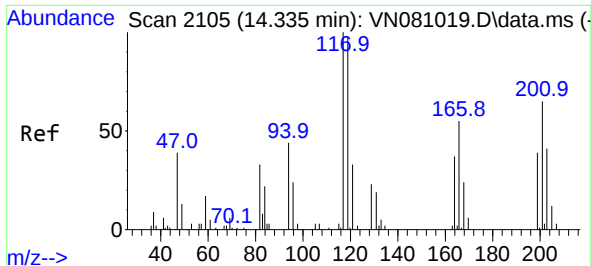
Tgt Ion: 75 Resp: 214075
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.932 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

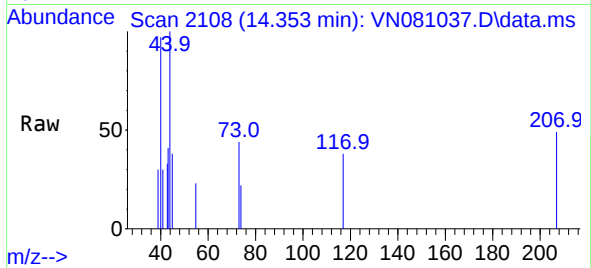
Tgt Ion: 75 Resp: 214075
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



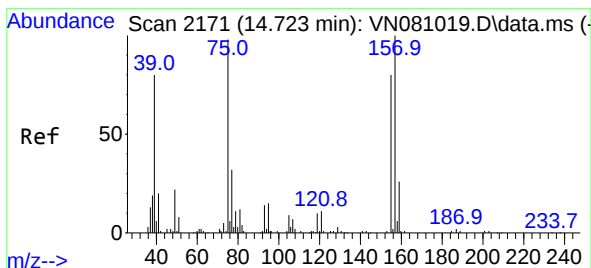
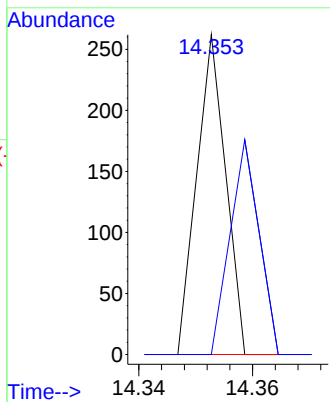
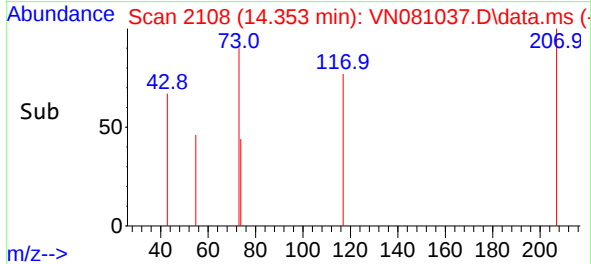


#90
Hexachloroethane
Concen: Below Cal
RT: 14.353 min Scan# 2105
Delta R.T. 0.018 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

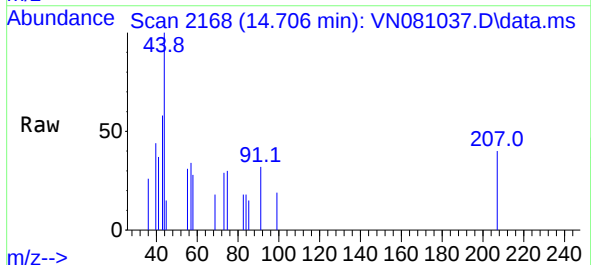
Instrument :
MSVOA_N
ClientSampleId :



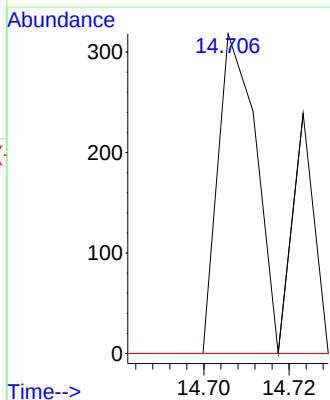
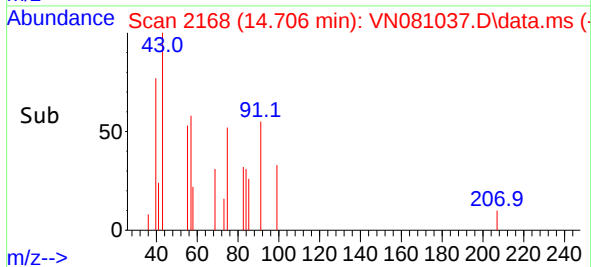
Tgt Ion:117 Resp: 92
Ion Ratio Lower Upper
117 100
201 67.4 30.0 90.0

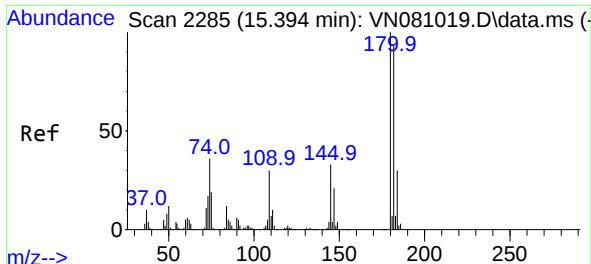


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.706 min Scan# 2168
Delta R.T. -0.017 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01



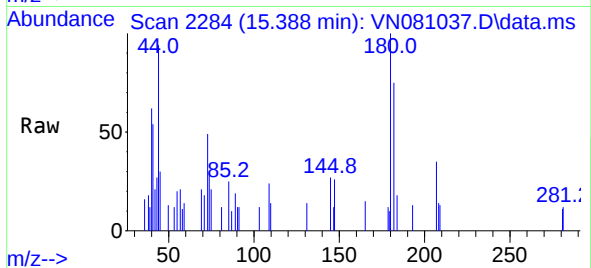
Tgt Ion: 75 Resp: 197
Ion Ratio Lower Upper
75 100
155 0.0 31.8 95.4#
157 0.0 41.1 123.4#



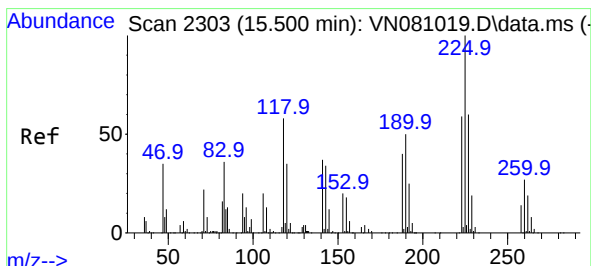
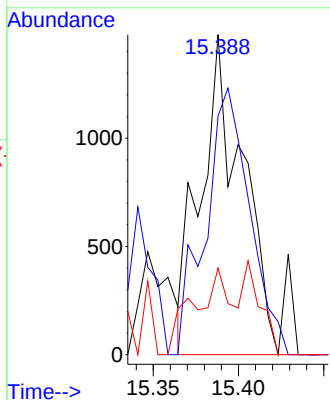
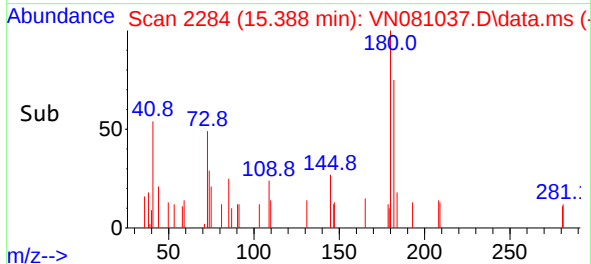


#93
1,2,4-Trichlorobenzene
Concen: 0.309 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

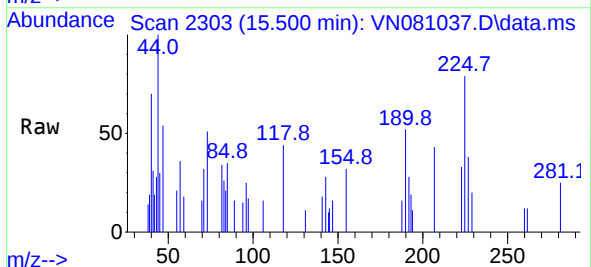
Instrument :
MSVOA_N
ClientSampleId :



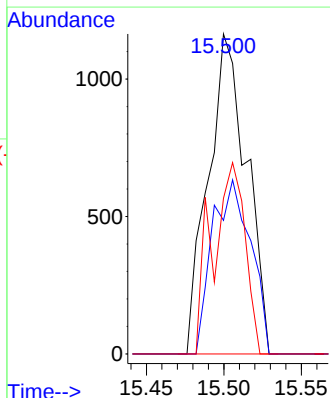
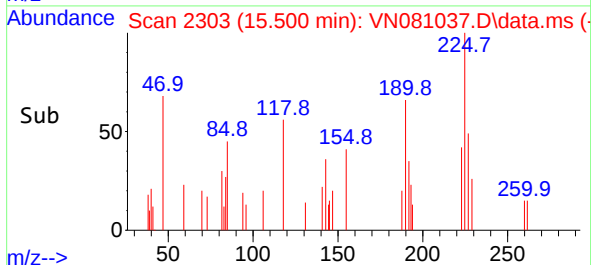
Tgt Ion:180 Resp: 2518
Ion Ratio Lower Upper
180 100
182 88.7 46.6 139.7
145 24.5 16.8 50.3

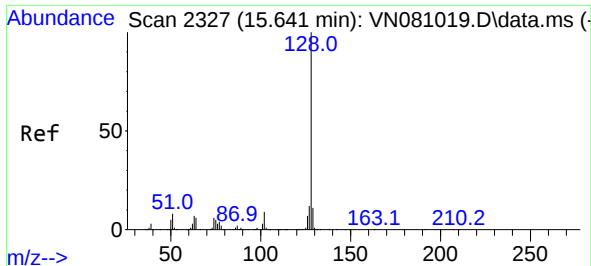


#94
Hexachlorobutadiene
Concen: 0.595 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01



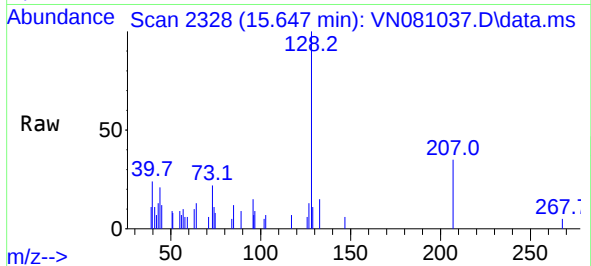
Tgt Ion:225 Resp: 2005
Ion Ratio Lower Upper
225 100
223 54.3 33.3 99.8
227 50.6 33.1 99.2





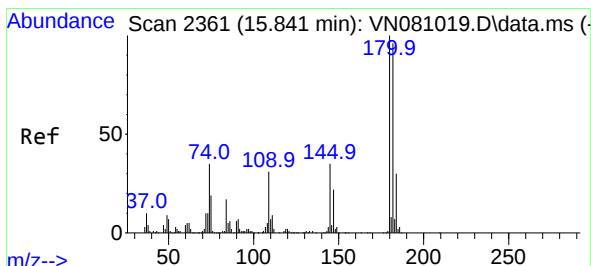
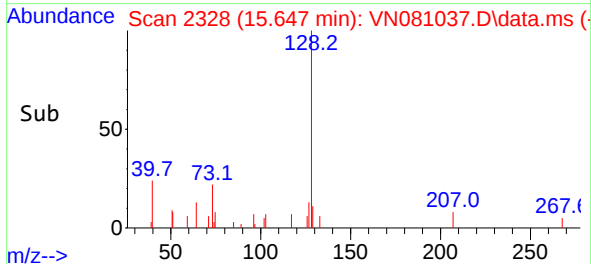
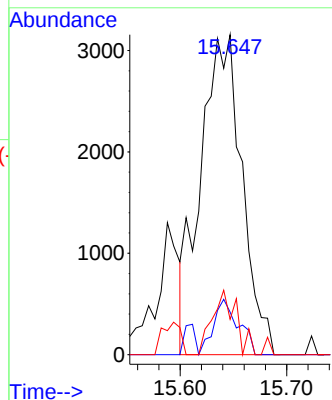
#95
Naphthalene
Concen: 0.294 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 8529

Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.0	15.0
129	11.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.317 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN081037.D
Acq: 15 Feb 2024 14:01

Tgt Ion:180 Resp: 2528

Ion	Ratio	Lower	Upper
180	100		
182	125.0	46.5	139.3
145	36.2	17.8	53.4

