

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080486.D
 Acq On : 14 Dec 2023 16:39
 Operator : JC\MD
 Sample : 05831-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 00:29:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

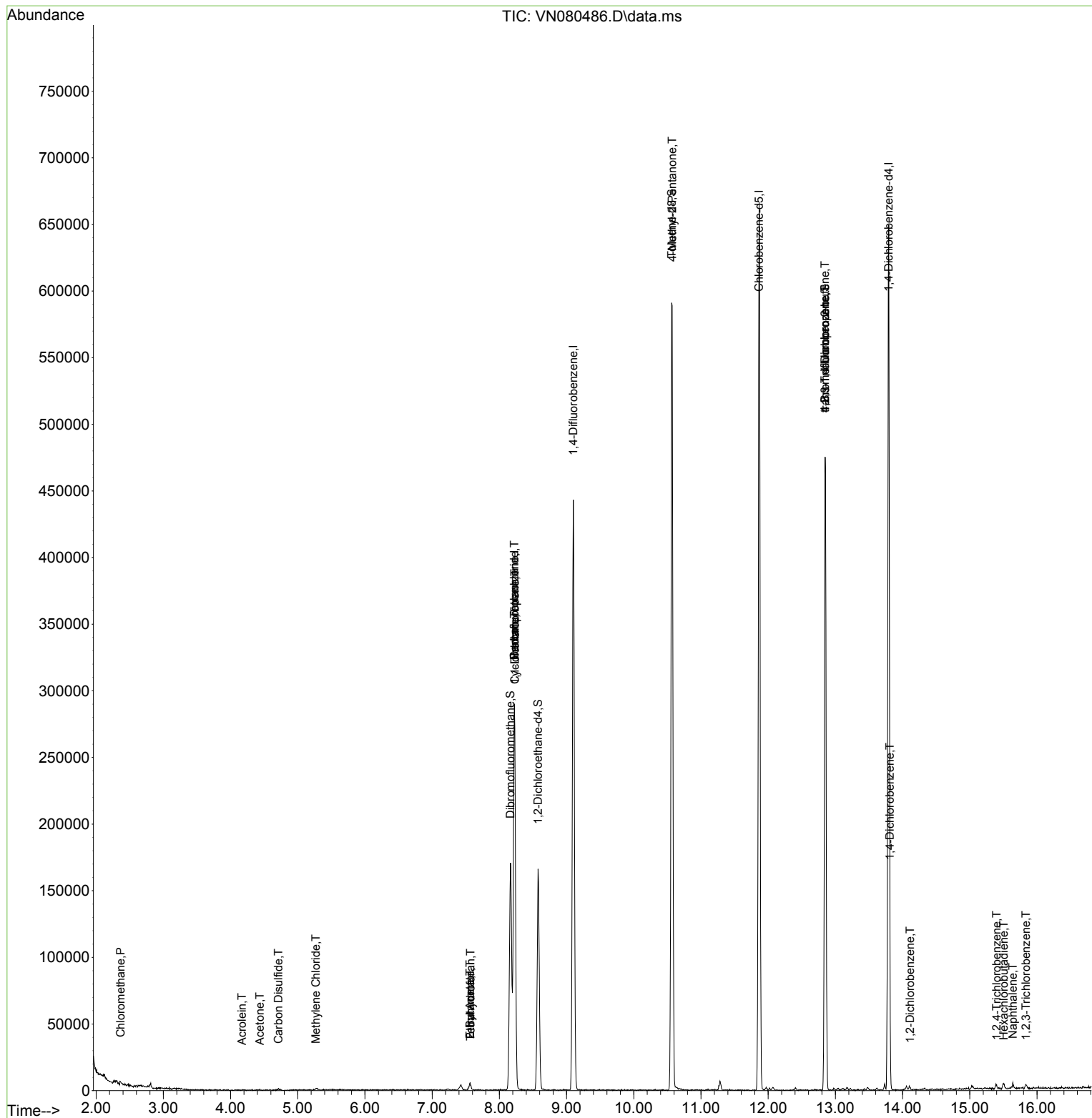
Internal Standards						
1) Pentafluorobenzene	8.224	168	204819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	386732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143370	54.805	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.600%	
35) Dibromofluoromethane	8.165	113	119306	50.329	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.660%	
50) Toluene-d8	10.565	98	429146	48.541	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.080%	
62) 4-Bromofluorobenzene	12.847	95	170075	50.661	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3204	0.774	ug/l #	84
13) Acrolein	4.171	56	97	0.287	ug/l #	16
16) Acetone	4.436	43	357	0.770	ug/l #	40
17) Carbon Disulfide	4.712	76	1638	0.262	ug/l #	75
20) Methylene Chloride	5.271	84	904	0.364	ug/l #	83
25) 2-Butanone	7.565	43	6795	7.604	ug/l #	37
29) Tetrahydrofuran	7.571	42	292	0.456	ug/l #	20
31) Cyclohexane	8.229	56	4520	1.271	ug/l #	45
36) 1,1-Dichloropropene	8.229	75	16911	4.363	ug/l #	47
37) Ethyl Acetate	7.565	43	6795	2.800	ug/l	95
38) Carbon Tetrachloride	8.224	117	24021	5.187	ug/l #	15
51) 4-Methyl-2-Pentanone	10.570	43	1351	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	94017	26.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	94017	70.334	ug/l #	15
88) 1,4-Dichlorobenzene	13.811	146	1518	0.246	ug/l #	1
91) 1,2-Dichlorobenzene	14.111	146	1218	0.209	ug/l	89
93) 1,2,4-Trichlorobenzene	15.400	180	1055	0.327	ug/l	92
94) Hexachlorobutadiene	15.505	225	1394	0.758	ug/l	87
95) Naphthalene	15.641	128	3359	0.343	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.835	180	1043	0.335	ug/l	86

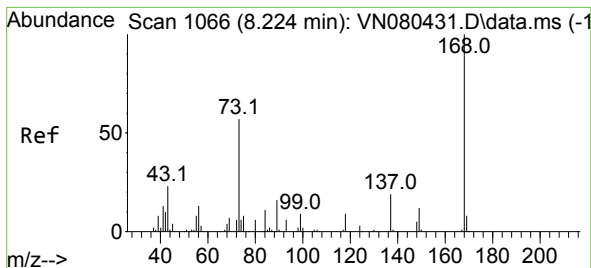
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
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: VN080486.D

Acq: 14 Dec 2023 16:39

Instrument :

MSVOA_N

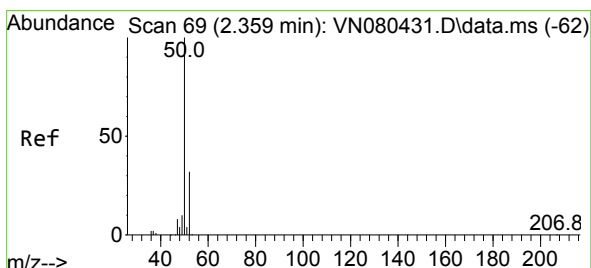
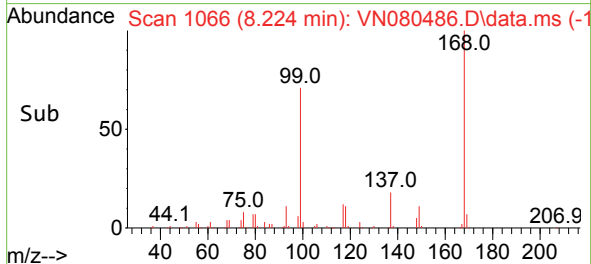
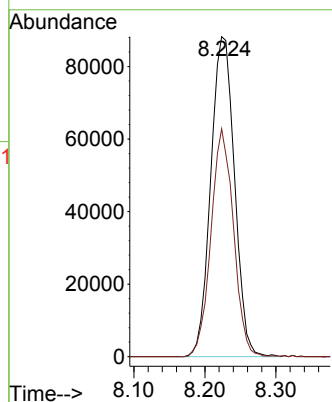
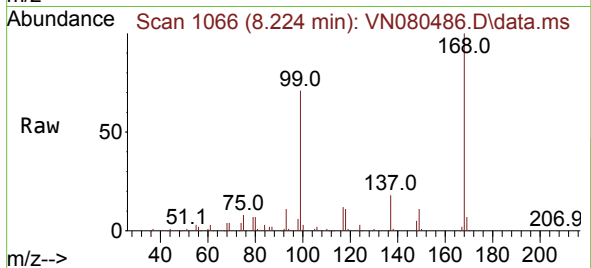
ClientSampleId :

Tgt Ion:168 Resp: 204819

Ion Ratio Lower Upper

168 100

99 71.2 53.0 79.6



#3

Chloromethane

Concen: 0.774 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080486.D

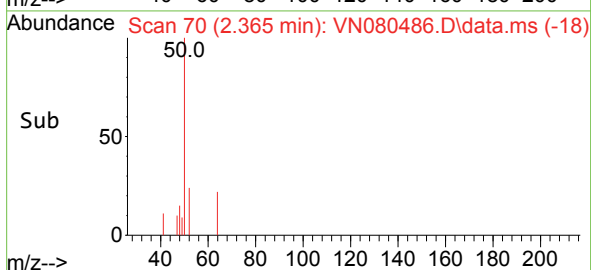
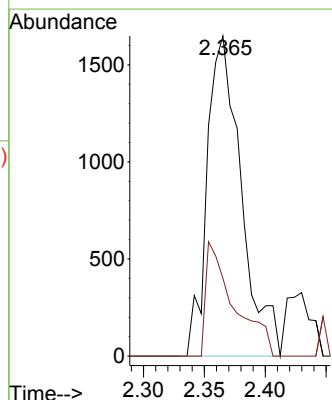
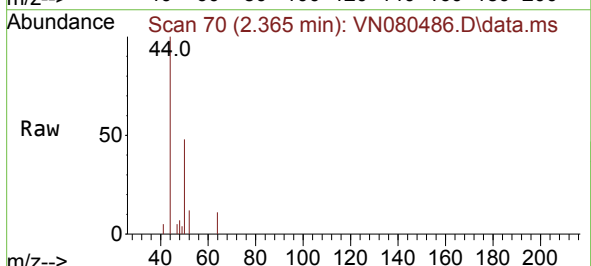
Acq: 14 Dec 2023 16:39

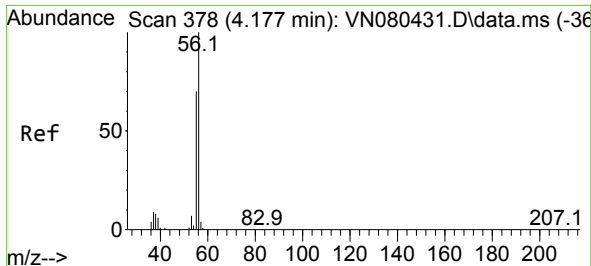
Tgt Ion: 50 Resp: 3204

Ion Ratio Lower Upper

50 100

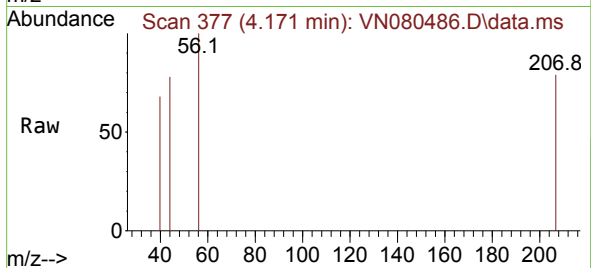
52 24.3 26.5 39.7#



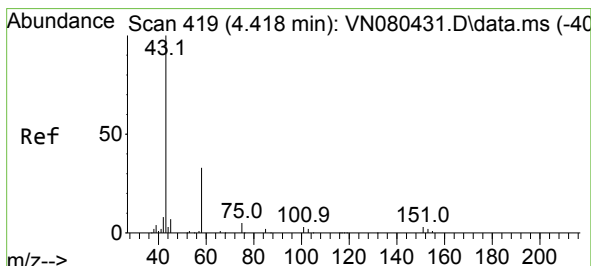
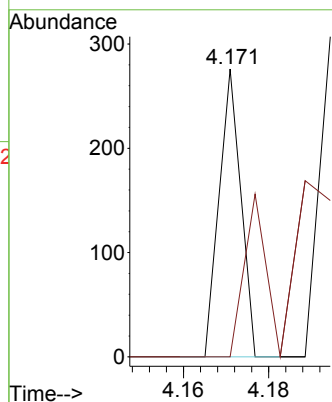
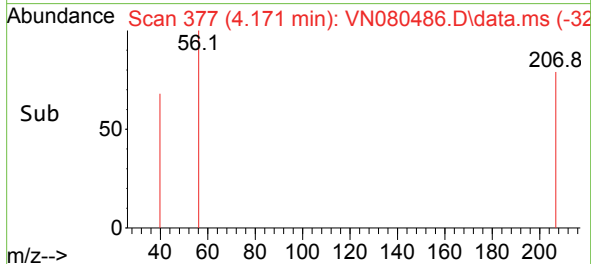


#13
Acrolein
Concen: 0.287 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

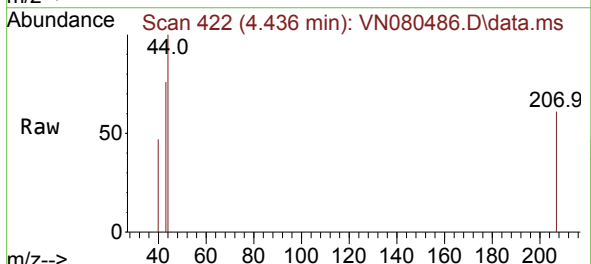
Instrument :
MSVOA_N
ClientSampleId :



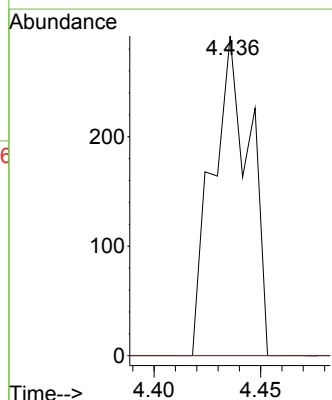
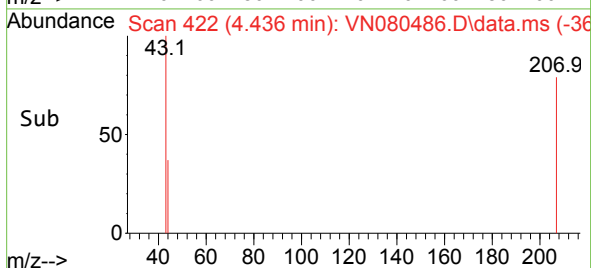
Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

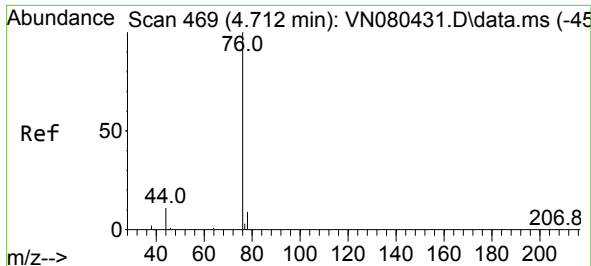


#16
Acetone
Concen: 0.770 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39



Tgt Ion: 43 Resp: 357
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

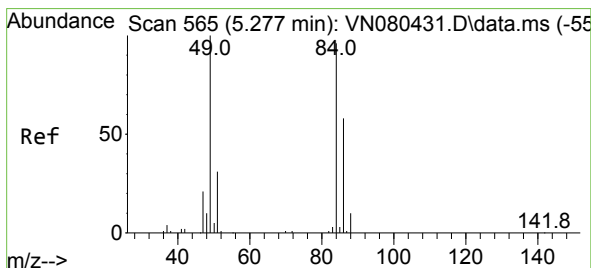
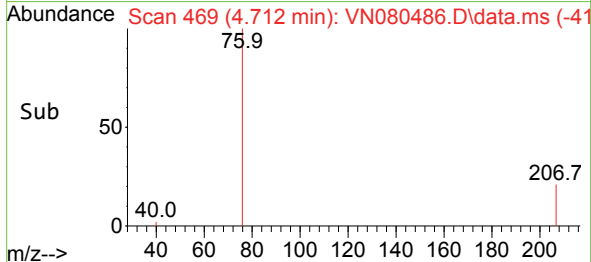
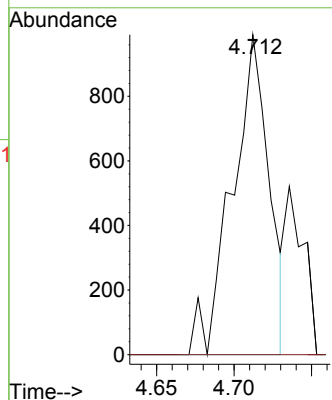
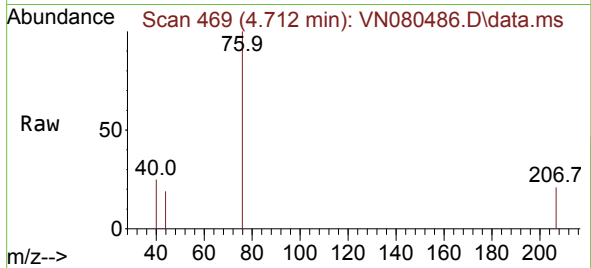




#17
Carbon Disulfide
Concen: 0.262 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

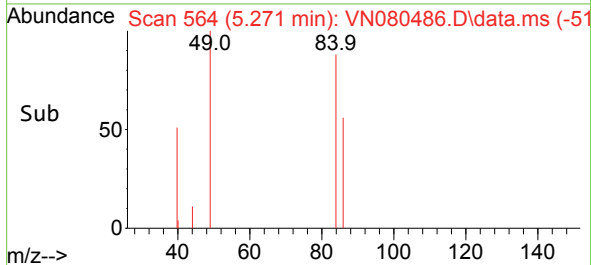
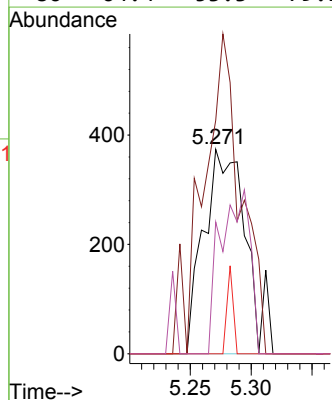
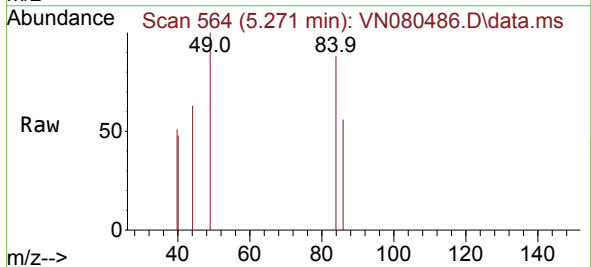
Instrument :
MSVOA_N
ClientSampleId :

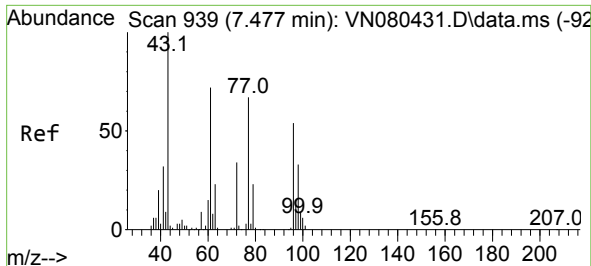
Tgt Ion: 76 Resp: 1638
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

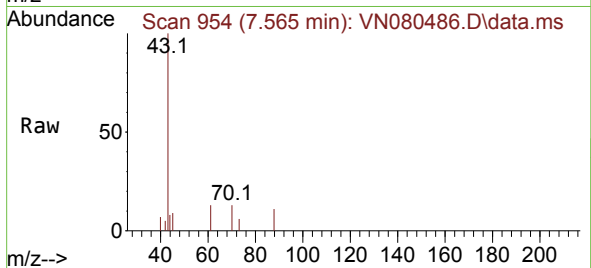
Tgt Ion: 84 Resp: 904
Ion Ratio Lower Upper
84 100
49 114.2 79.7 119.5
51 0.0 25.2 37.8#
86 64.4 53.3 79.9



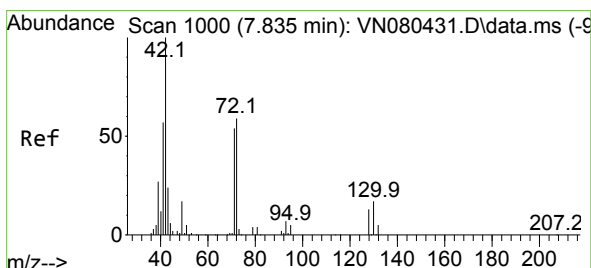
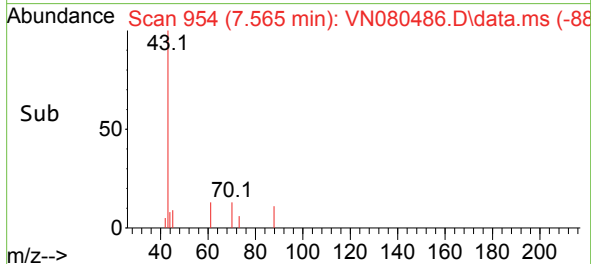
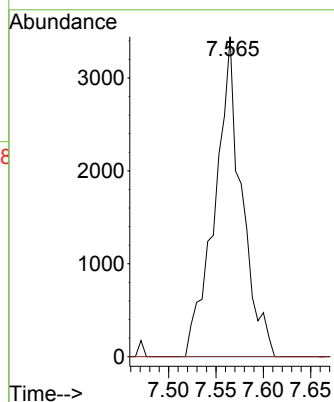


#25
2-Butanone
Concen: 7.604 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.088 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

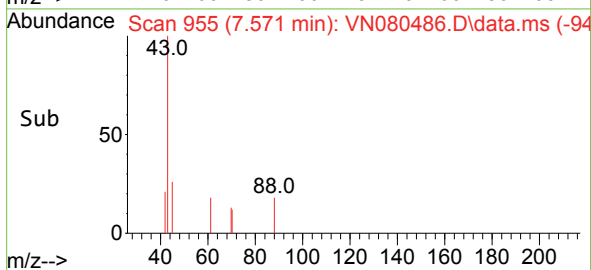
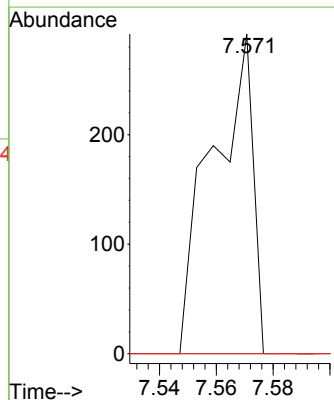
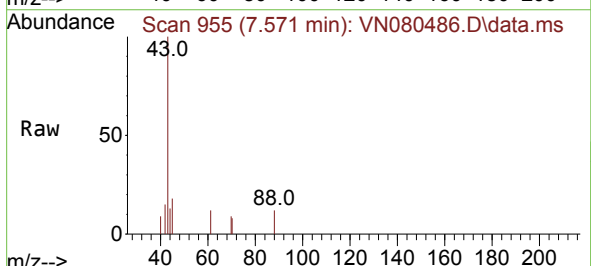


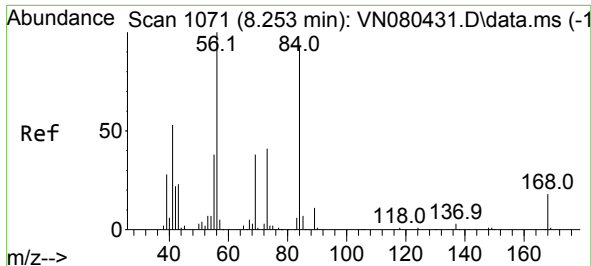
Tgt Ion: 43 Resp: 6795
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.456 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.265 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

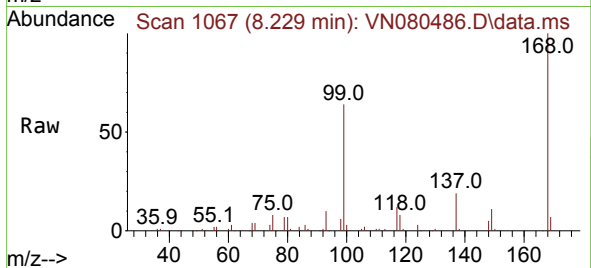
Tgt Ion: 42 Resp: 292
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



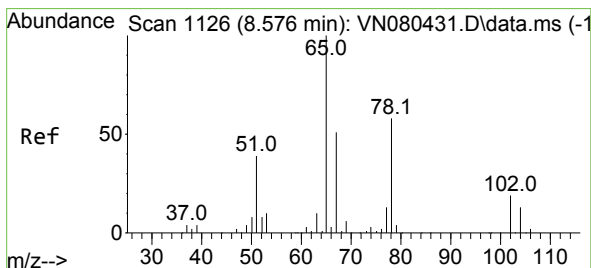
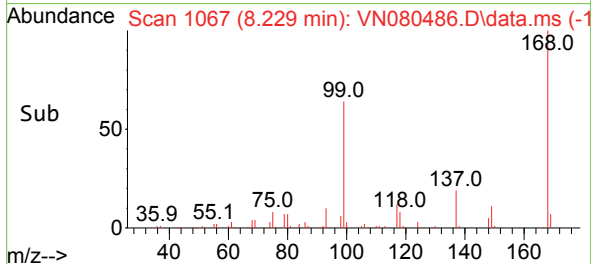
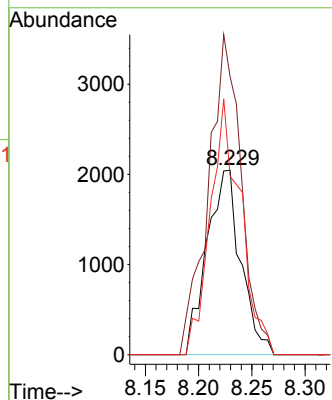


#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

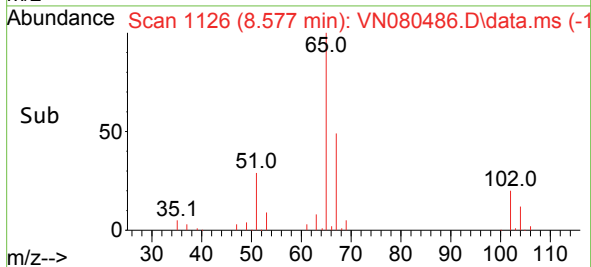
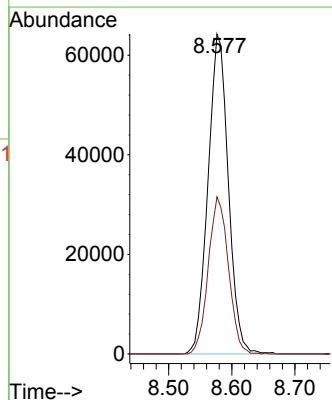
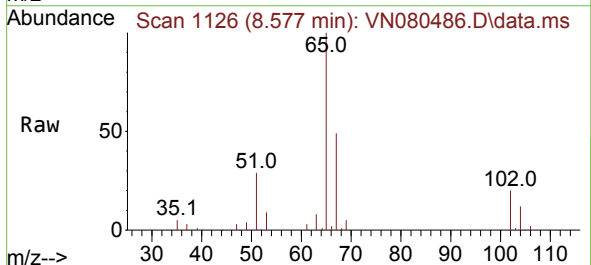


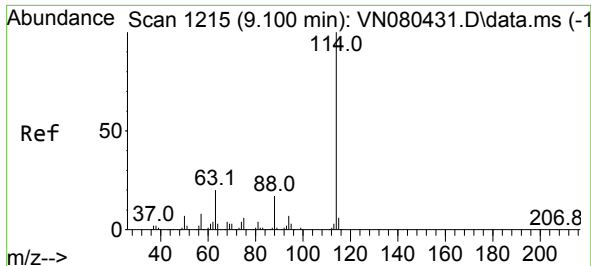
Tgt Ion: 56 Resp: 4520
Ion Ratio Lower Upper
56 100
69 150.7 26.8 40.2#
84 96.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.805 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Tgt Ion: 65 Resp: 143370
Ion Ratio Lower Upper
65 100
67 48.8 0.0 106.6

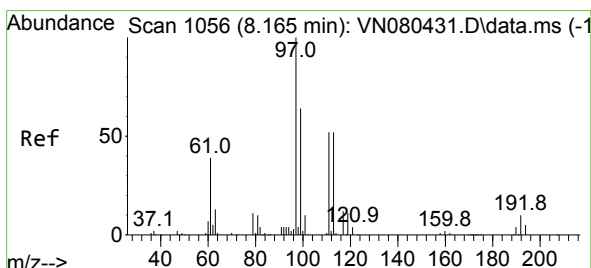
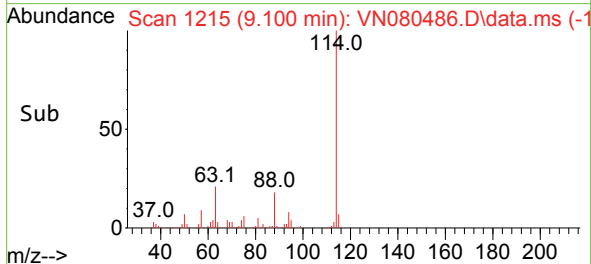
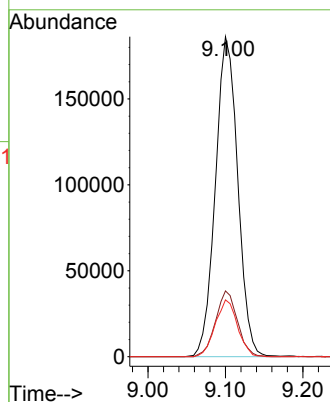
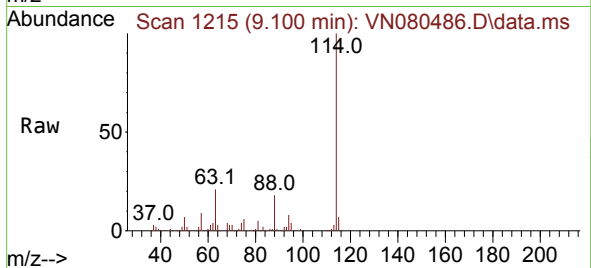




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

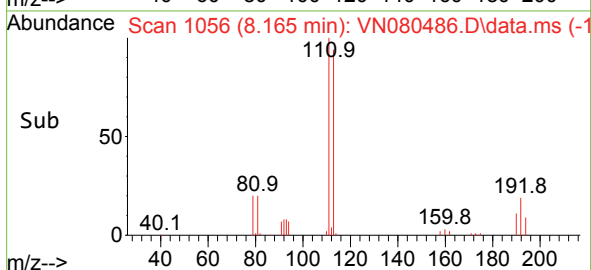
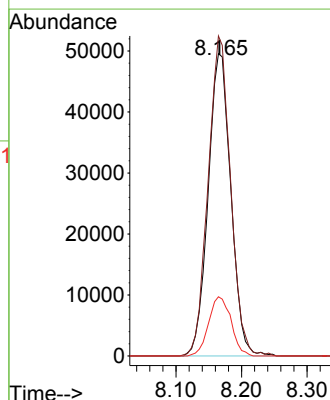
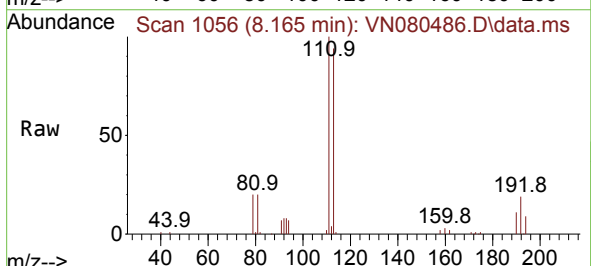
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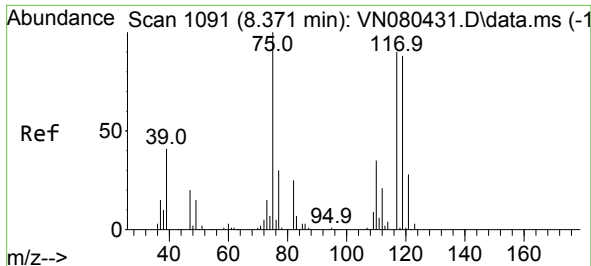
Tgt Ion:114 Resp: 373877
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.4
88 17.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.329 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

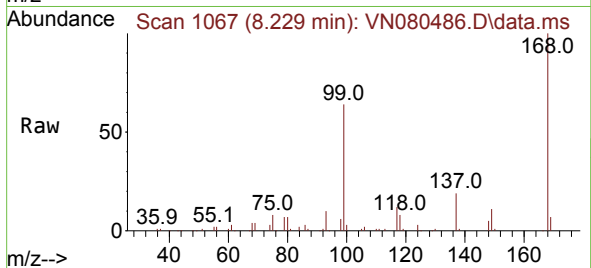
Tgt Ion:113 Resp: 119306
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 19.3 12.7 19.1#



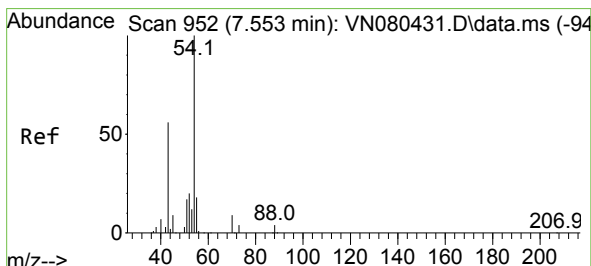
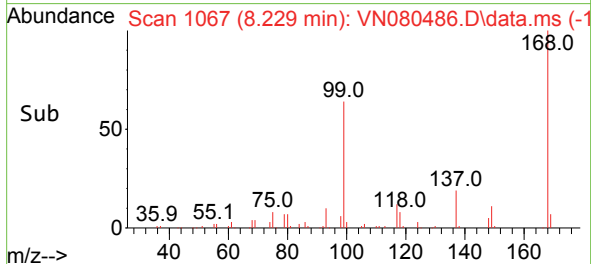
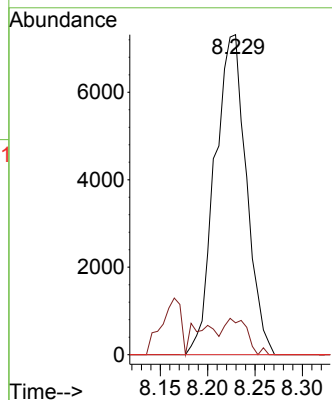


#36
1,1-Dichloropropene
Concen: 4.363 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

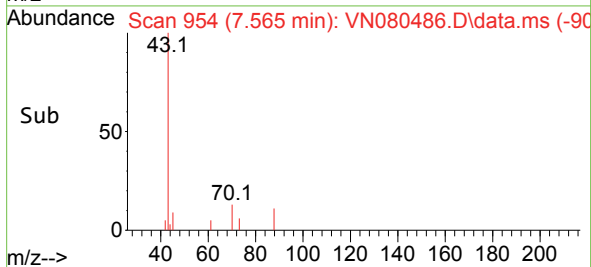
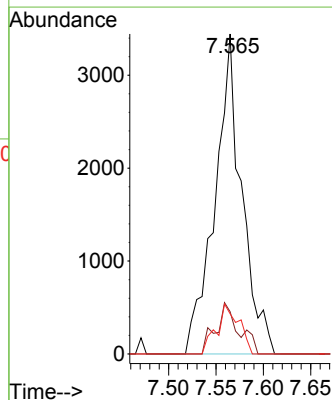
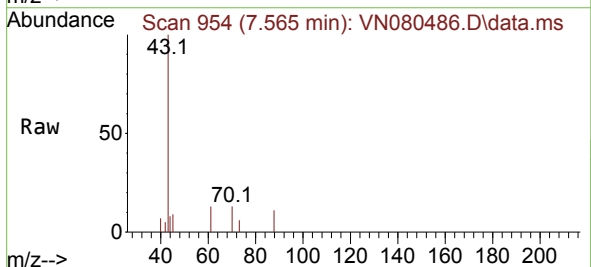


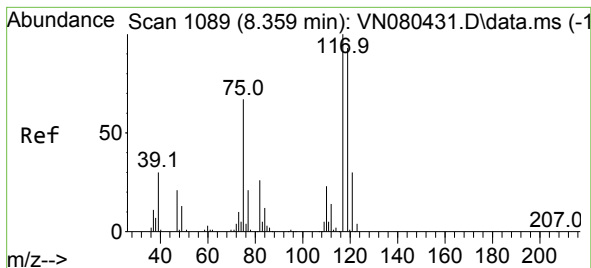
Tgt Ion: 75 Resp: 16911
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.800 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.012 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Tgt Ion: 43 Resp: 6795
Ion Ratio Lower Upper
43 100
61 13.7 13.2 19.8
70 12.9 11.3 16.9





#38

Carbon Tetrachloride

Concen: 5.187 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

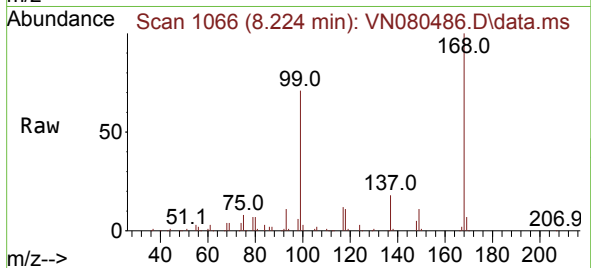
Lab File: VN080486.D

Acq: 14 Dec 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :



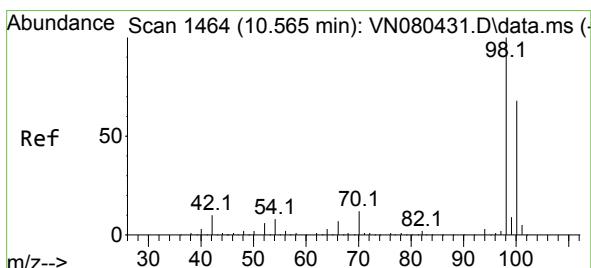
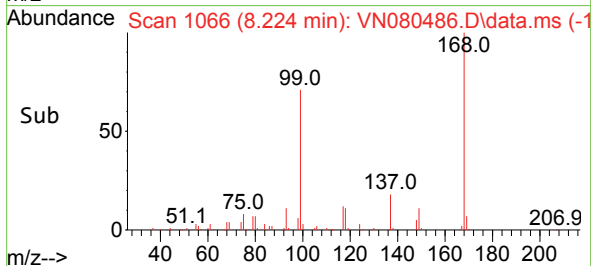
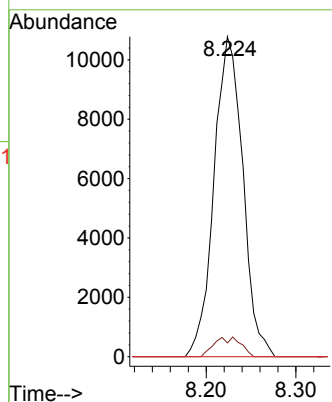
Tgt Ion:117 Resp: 24021

Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 48.541 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080486.D

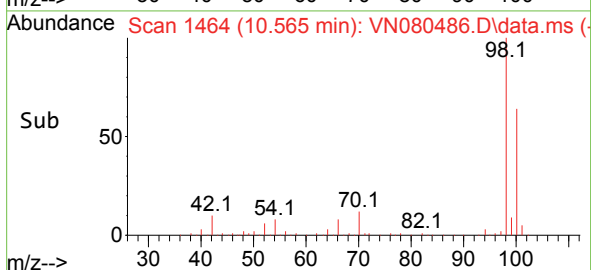
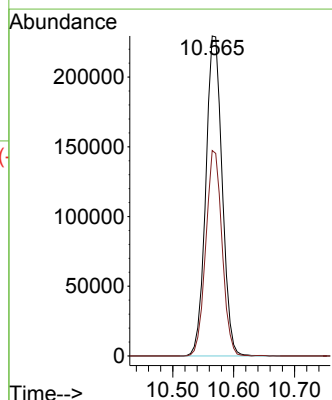
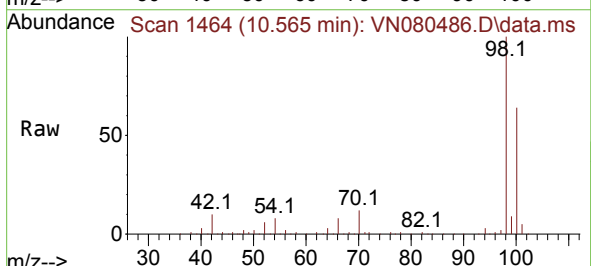
Acq: 14 Dec 2023 16:39

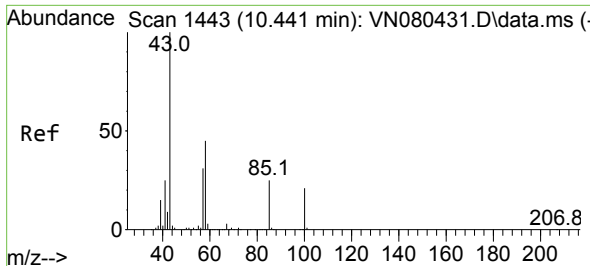
Tgt Ion: 98 Resp: 429146

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0

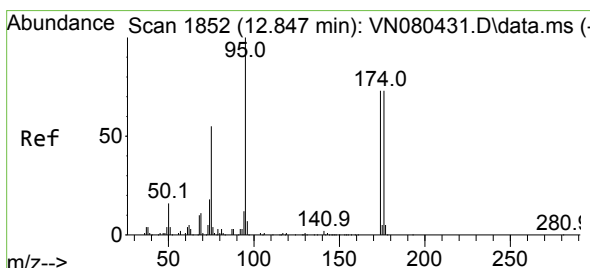
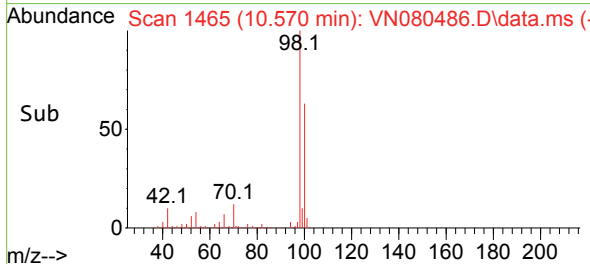
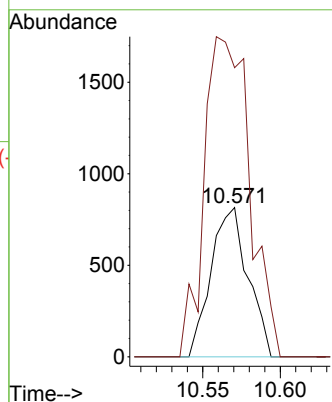
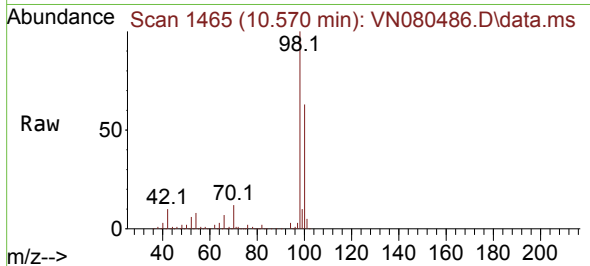




#51
4-Methyl-2-Pentanone
Concen: 0.562 ug/l
RT: 10.570 min Scan# 1443
Delta R.T. 0.129 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

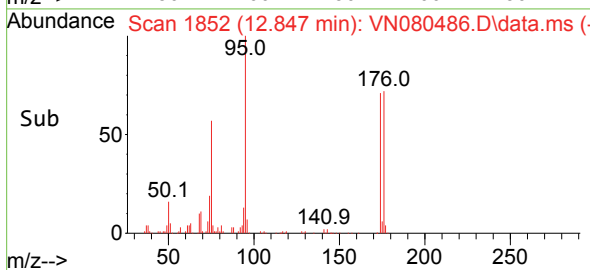
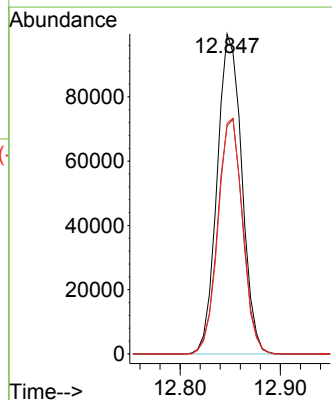
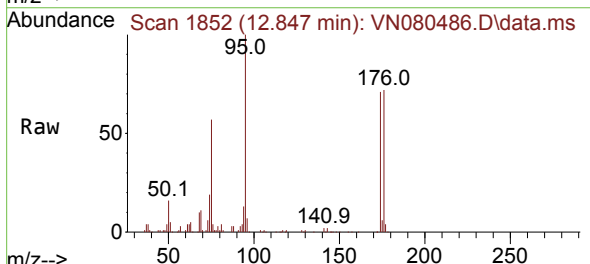
Instrument :
MSVOA_N
ClientSampleId :

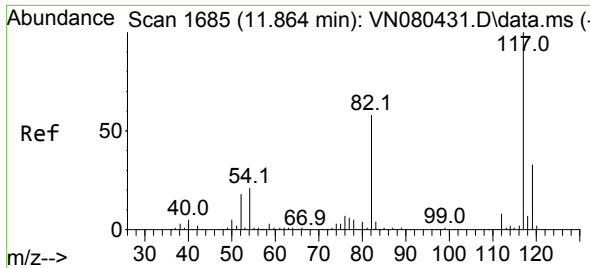
Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 264.0 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 50.661 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Tgt Ion: 95 Resp: 170075
Ion Ratio Lower Upper
95 100
174 74.3 0.0 143.8
176 73.6 0.0 135.8

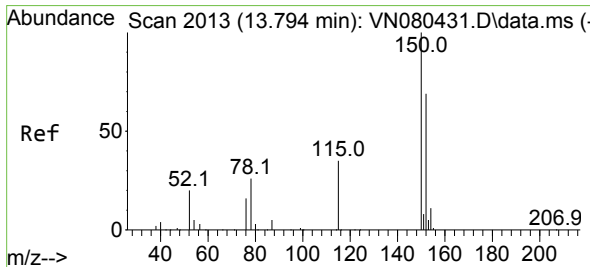
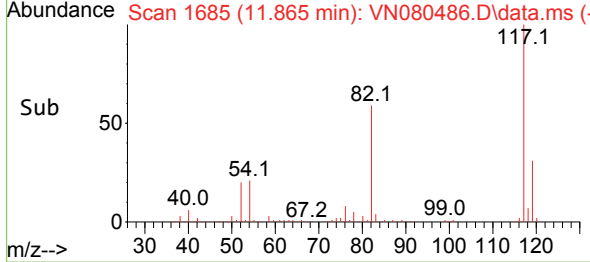
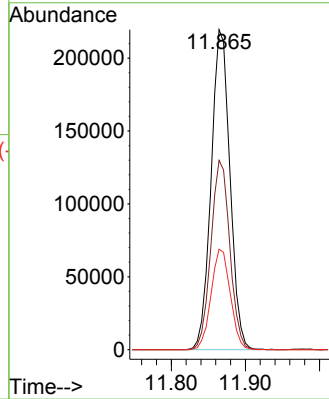
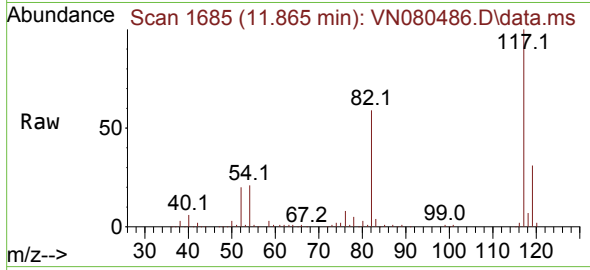




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

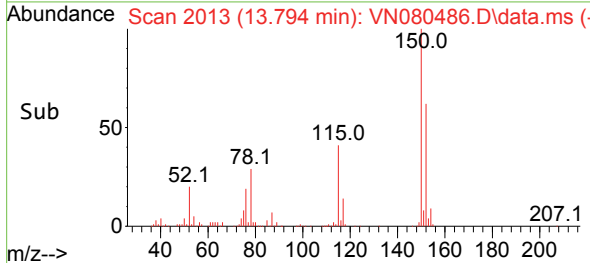
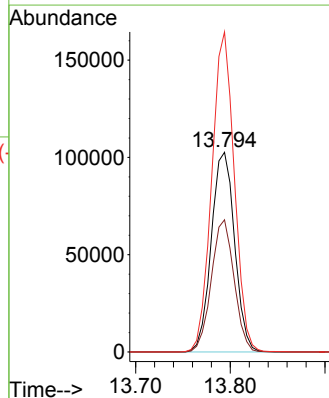
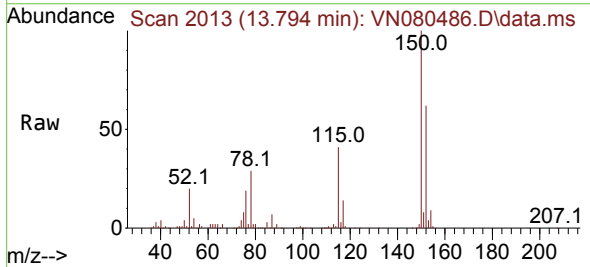
Instrument :
MSVOA_N
ClientSampleId :

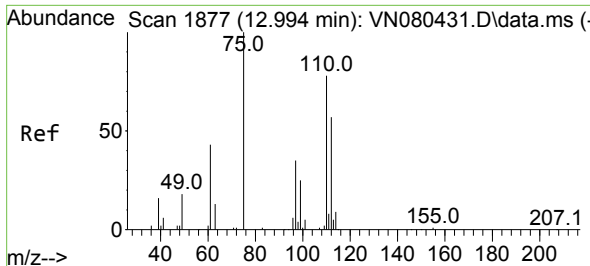
Tgt Ion:117 Resp: 386732
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

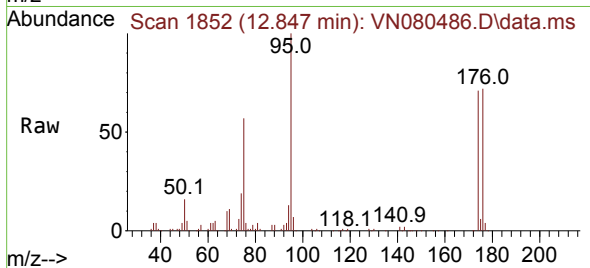
Tgt Ion:152 Resp: 175928
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 154.6 0.0 355.8



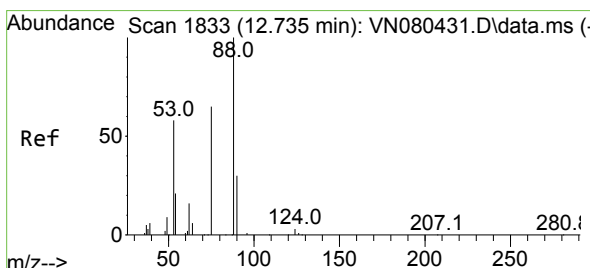
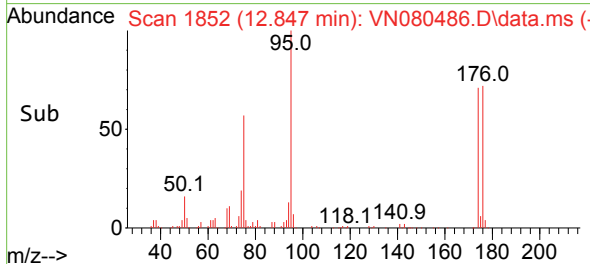
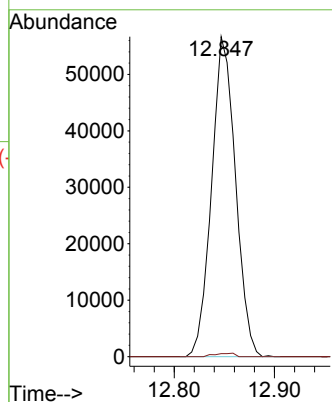


#76
1,2,3-Trichloropropane
Concen: 26.788 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :

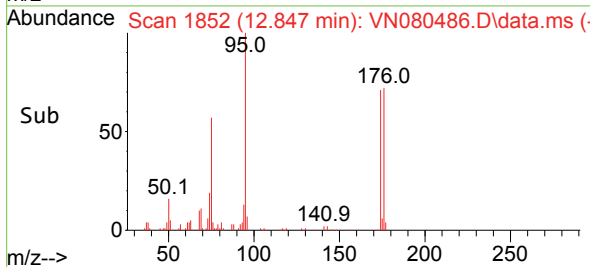
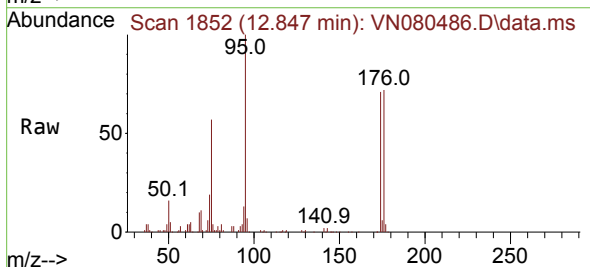
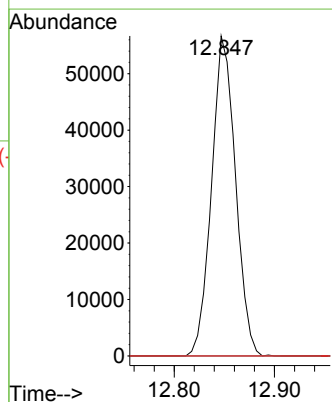


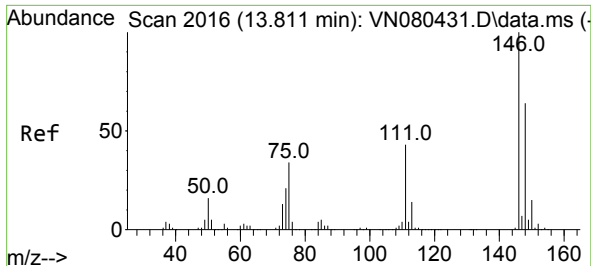
Tgt Ion: 75 Resp: 94017
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.334 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

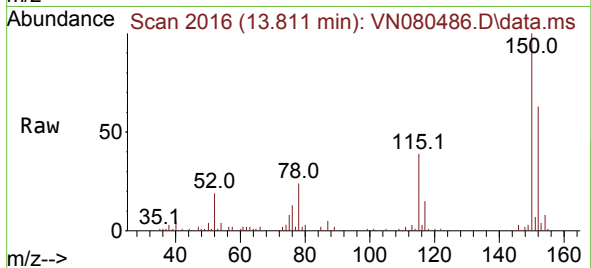
Tgt Ion: 75 Resp: 94017
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



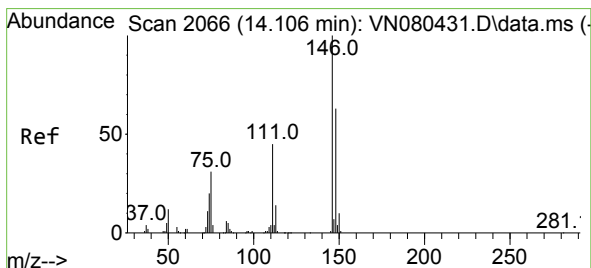
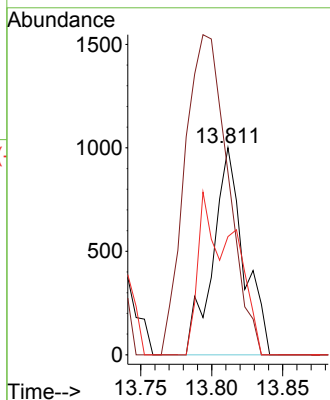
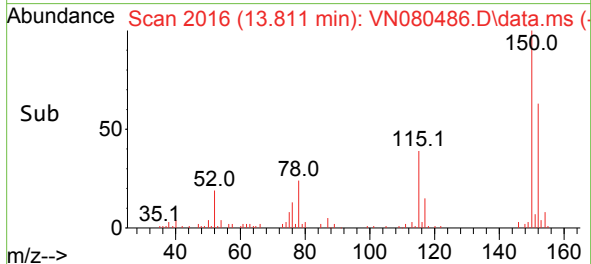


#88
1,4-Dichlorobenzene
Concen: 0.246 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

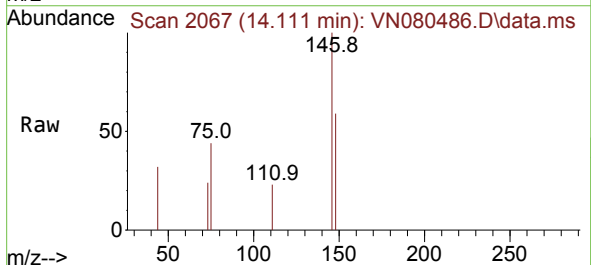
Instrument :
MSVOA_N
ClientSampleId :



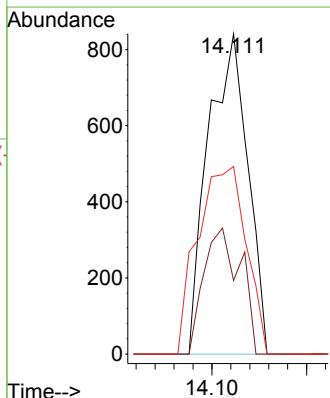
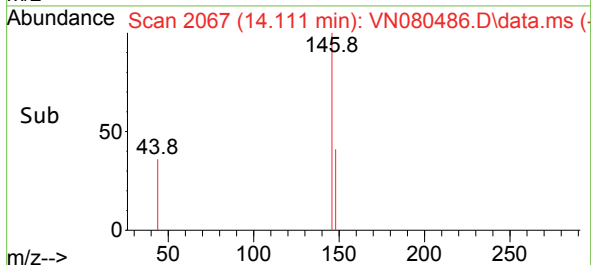
Tgt Ion:146 Resp: 1518
Ion Ratio Lower Upper
146 100
111 215.3 20.6 61.8#
148 47.7 31.6 94.8

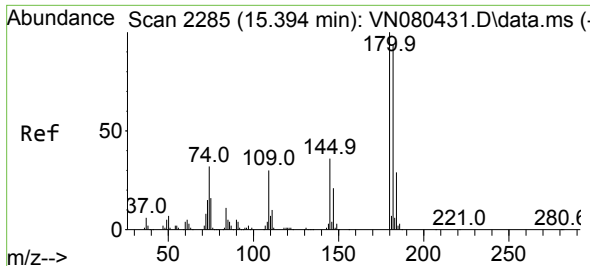


#91
1,2-Dichlorobenzene
Concen: 0.209 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39



Tgt Ion:146 Resp: 1218
Ion Ratio Lower Upper
146 100
111 36.5 22.0 66.0
148 72.1 31.8 95.3

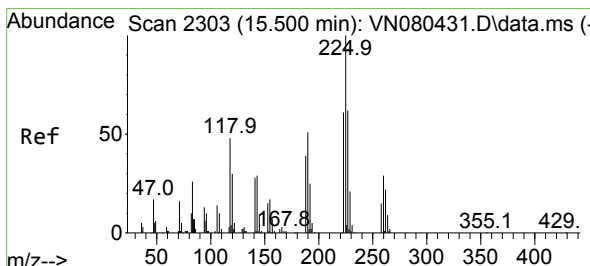
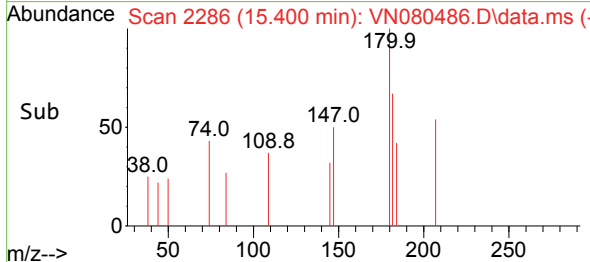
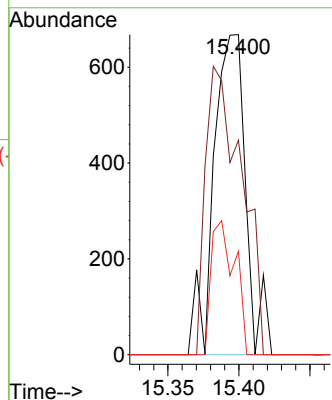
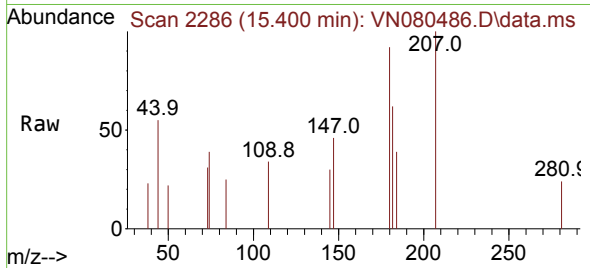




#93
1,2,4-Trichlorobenzene
Concen: 0.327 ug/l
RT: 15.400 min Scan# 210
Delta R.T. 0.006 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

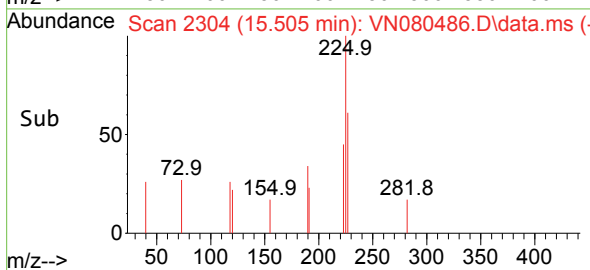
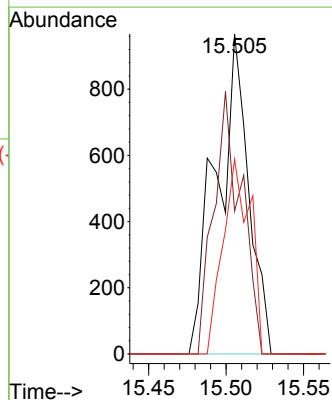
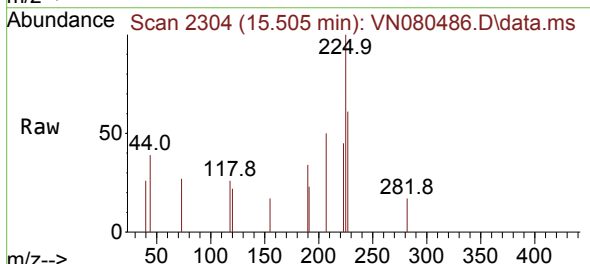
Instrument :
MSVOA_N
ClientSampleId :

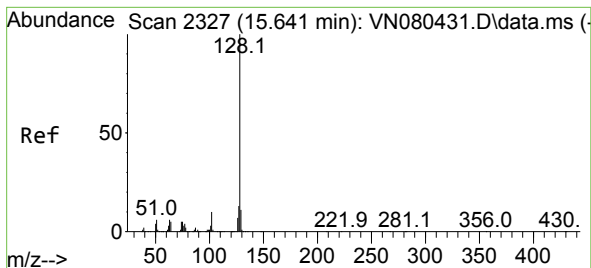
Tgt Ion:180 Resp: 1055
Ion Ratio Lower Upper
180 100
182 100.9 46.1 138.2
145 30.7 16.6 49.8



#94
Hexachlorobutadiene
Concen: 0.758 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN080486.D
Acq: 14 Dec 2023 16:39

Tgt Ion:225 Resp: 1394
Ion Ratio Lower Upper
225 100
223 70.8 31.3 93.8
227 52.2 31.9 95.9





#95

Naphthalene

Concen: 0.343 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080486.D

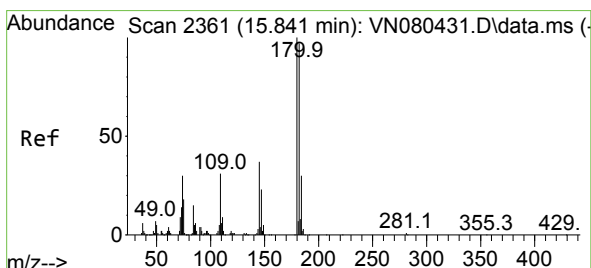
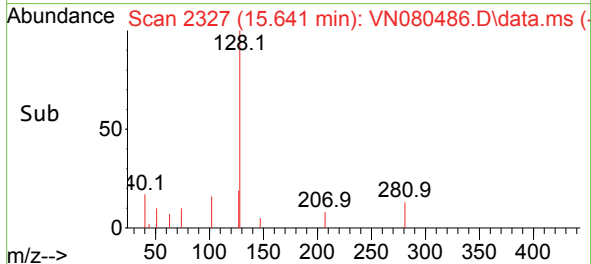
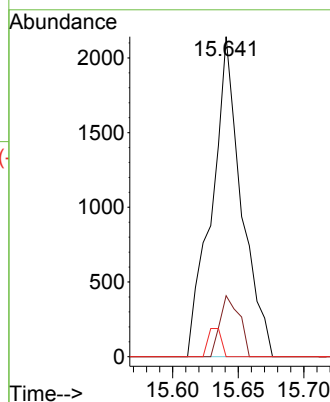
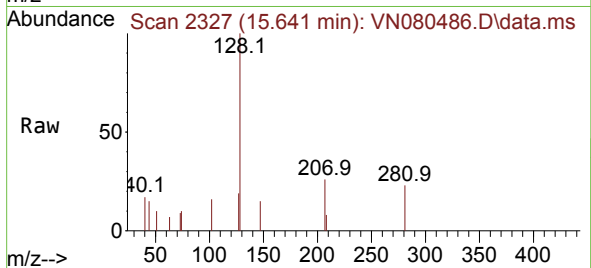
Acq: 14 Dec 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	3359
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.0 15.0
129	4.0	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.335 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN080486.D

Acq: 14 Dec 2023 16:39

Tgt Ion:180	Resp:	1043
Ion Ratio	Lower	Upper
180	100	
182	108.5	46.2 138.6
145	30.4	17.5 52.6

