

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077920.D
 Acq On : 26 May 2023 12:16
 Operator : JC\MD
 Sample : VN0526WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBL01

Quant Time: May 29 00:26:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

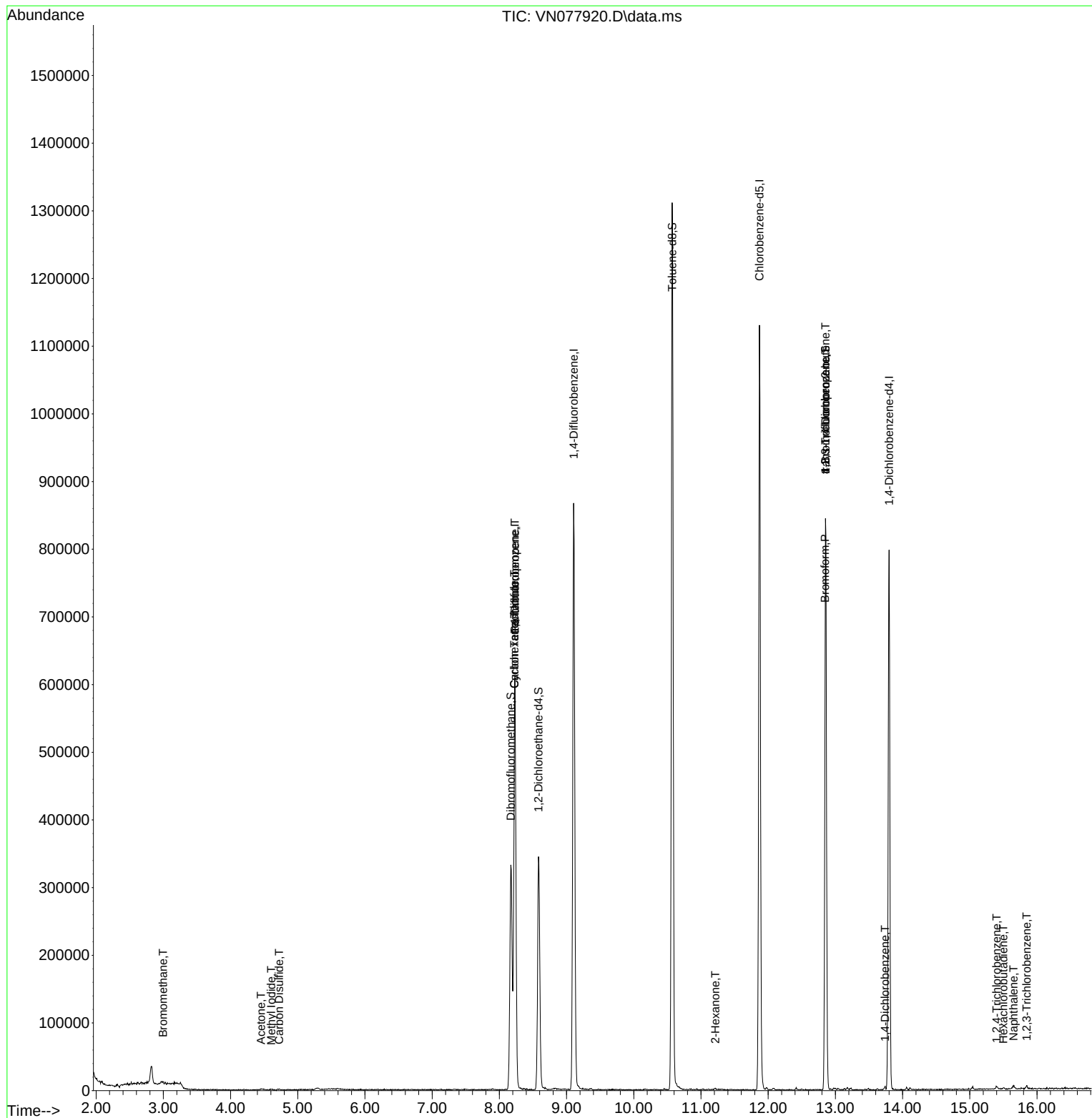
Internal Standards						
1) Pentafluorobenzene	8.229	168	422032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	773501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	667726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	214998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	284611	45.071	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.140%
35) Dibromofluoromethane	8.171	113	242143	48.007	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.020%
50) Toluene-d8	10.570	98	952552	49.064	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.853	95	307347	44.824	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.640%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1241	Below Cal	#	85
5) Bromomethane	2.994	94	3035	0.678	ug/l	87
10) Methyl Iodide	4.606	142	1954	0.351	ug/l #	78
13) Acrolein	4.200	56	410	Below Cal	#	44
16) Acetone	4.453	43	681	0.343	ug/l #	79
17) Carbon Disulfide	4.724	76	2931	0.245	ug/l #	78
20) Methylene Chloride	5.271	84	1106	Below Cal	#	52
31) Cyclohexane	8.224	56	10556	1.230	ug/l #	41
36) 1,1-Dichloropropene	8.229	75	36143	4.899	ug/l #	48
38) Carbon Tetrachloride	8.224	117	47053	6.316	ug/l #	15
59) 2-Hexanone	11.212	43	1417	0.300	ug/l	85
71) Bromoform	12.847	173	1254	0.376	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	163573	30.380	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	163573	97.109	ug/l #	15
88) 1,4-Dichlorobenzene	13.741	146	1564	0.202	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	1363	0.319	ug/l	97
94) Hexachlorobutadiene	15.500	225	456	0.257	ug/l	65
95) Naphthalene	15.653	128	5775	0.393	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.847	180	1640	0.392	ug/l	90

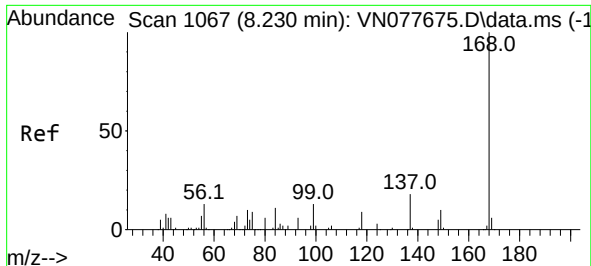
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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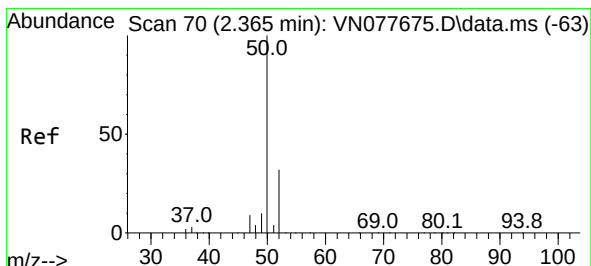
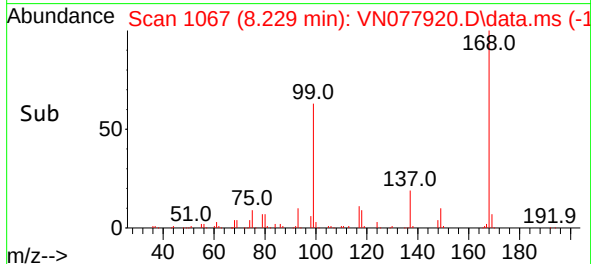
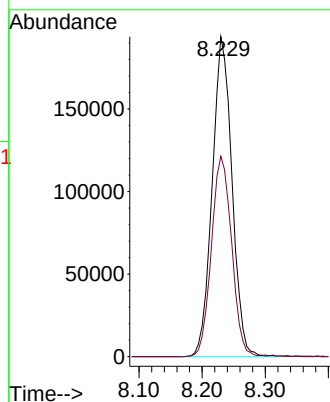
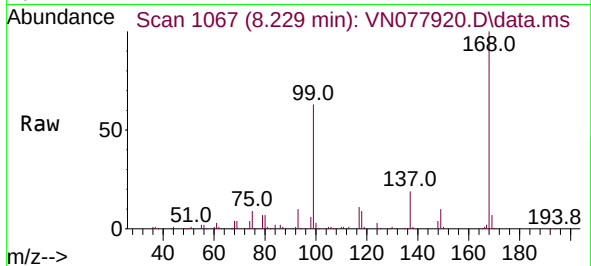




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

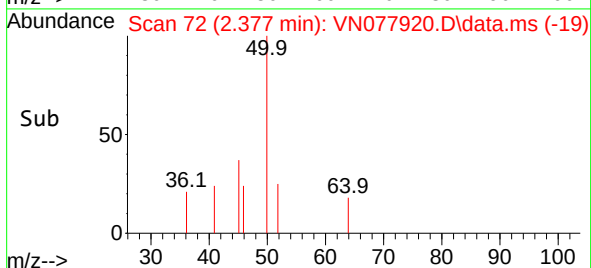
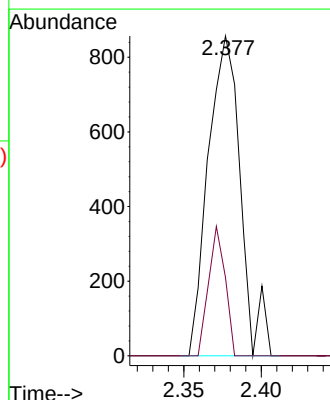
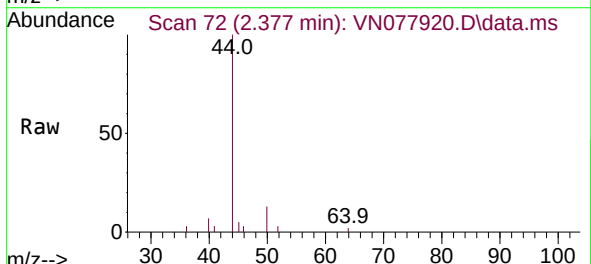
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

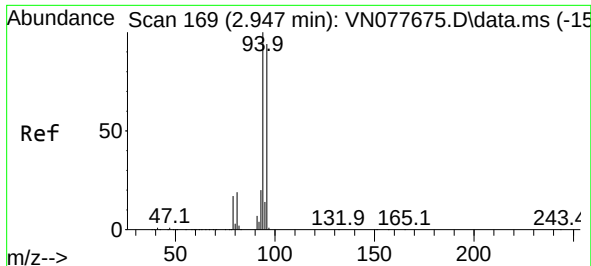
Tgt Ion:168 Resp: 422032
Ion Ratio Lower Upper
168 100
99 62.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion: 50 Resp: 1241
Ion Ratio Lower Upper
50 100
52 24.5 26.5 39.7#

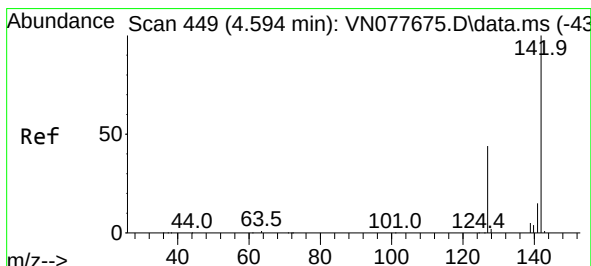
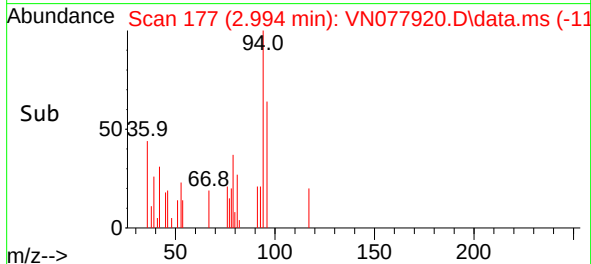
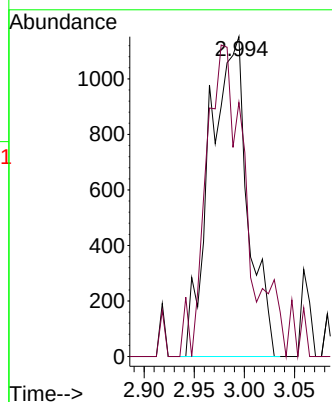
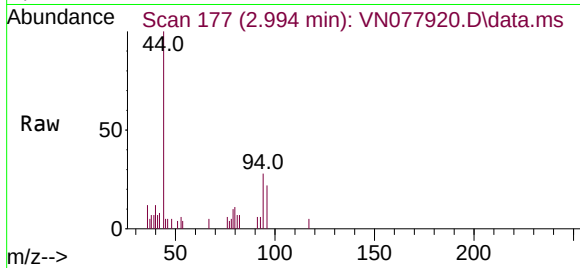




#5
Bromomethane
Concen: 0.678 ug/l
RT: 2.994 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

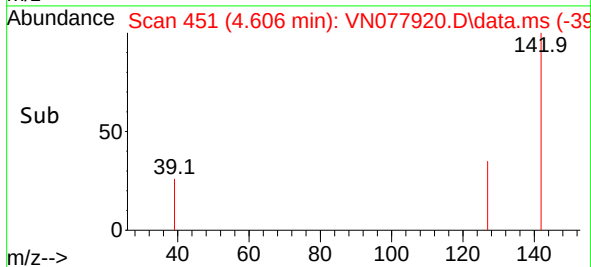
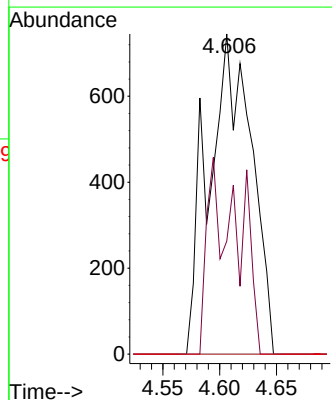
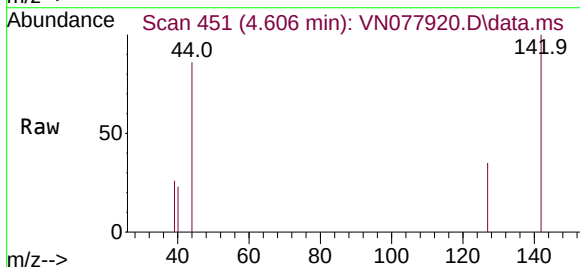
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

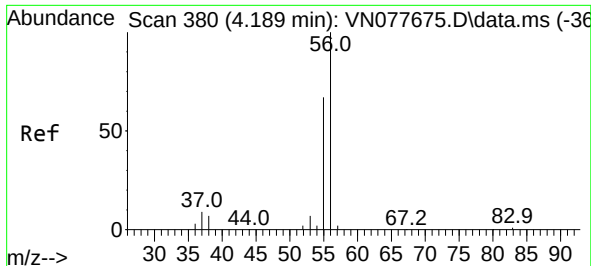
Tgt Ion: 94 Resp: 3035
Ion Ratio Lower Upper
94 100
96 79.4 73.1 109.7



#10
Methyl Iodide
Concen: 0.351 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion: 142 Resp: 1954
Ion Ratio Lower Upper
142 100
127 35.3 37.6 56.4#
141 0.0 11.4 17.0#

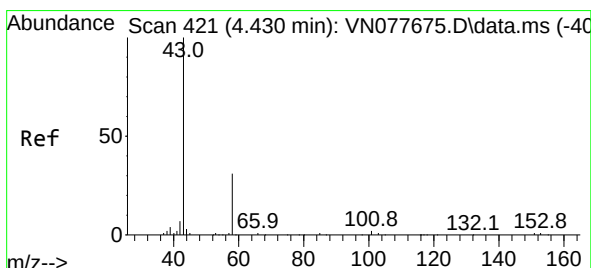
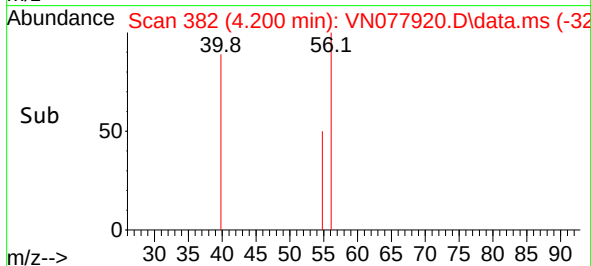
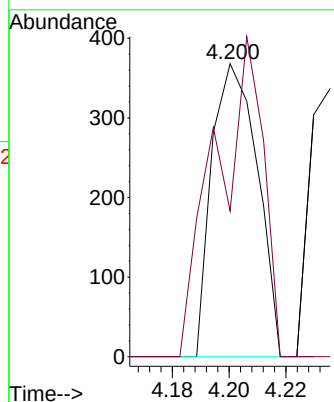
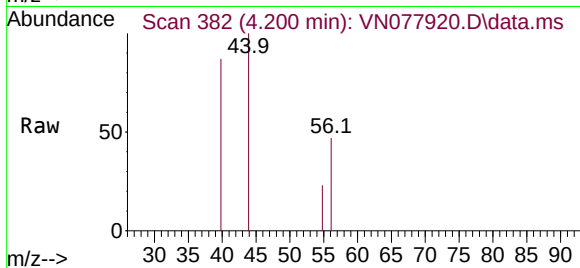




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

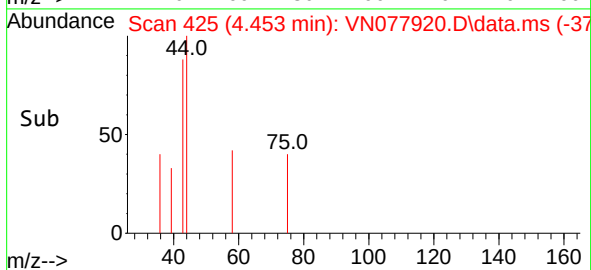
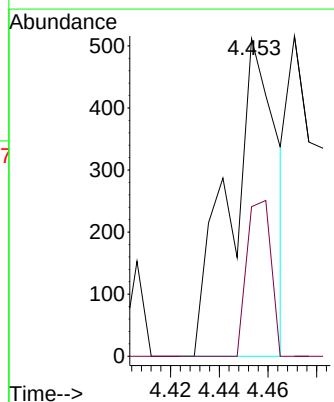
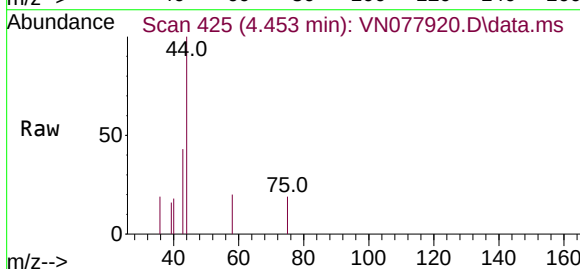
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

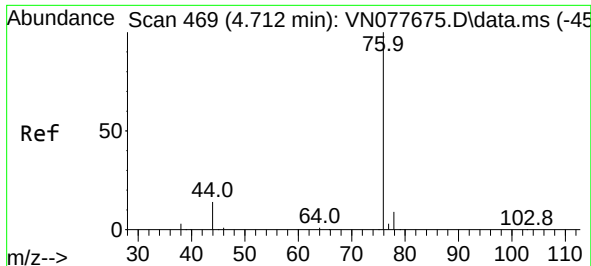
Tgt Ion: 56 Resp: 410
Ion Ratio Lower Upper
56 100
55 113.4 54.5 81.7#



#16
Acetone
Concen: 0.343 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 47.1 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 4.724 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN077920.D

Acq: 26 May 2023 12:16

Instrument :

MSVOA_N

ClientSampleId :

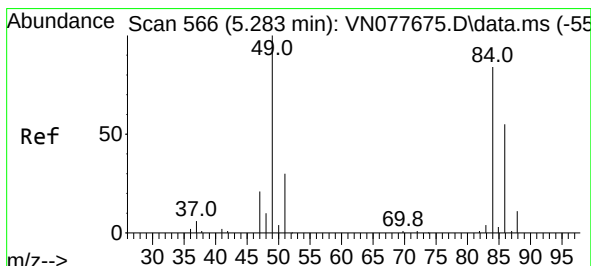
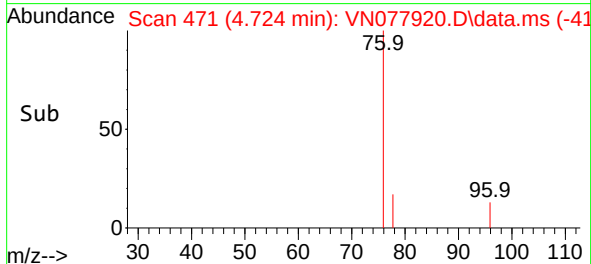
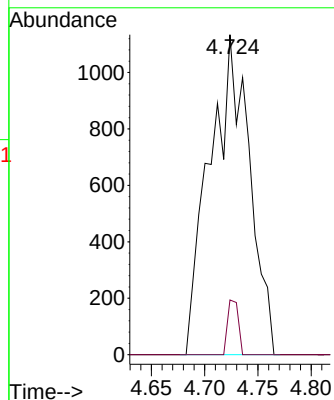
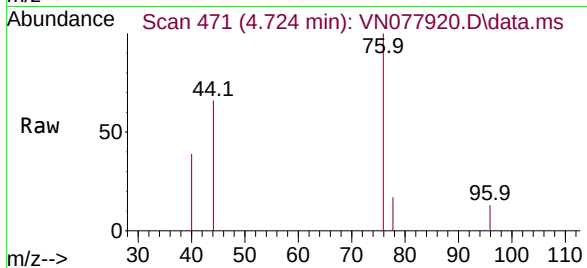
VN0526WBL01

Tgt Ion: 76 Resp: 2931

Ion Ratio Lower Upper

76 100

78 17.1 7.4 11.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.271 min Scan# 564

Delta R.T. -0.012 min

Lab File: VN077920.D

Acq: 26 May 2023 12:16

Tgt Ion: 84 Resp: 1106

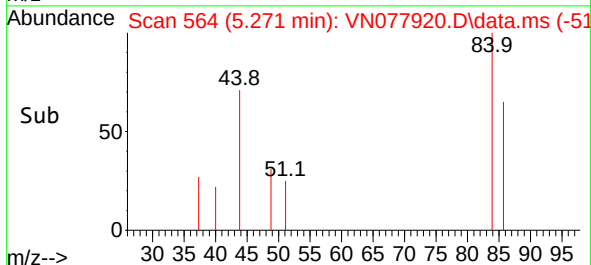
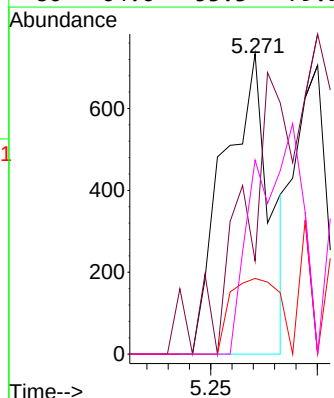
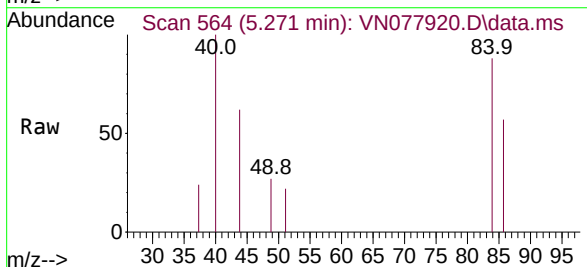
Ion Ratio Lower Upper

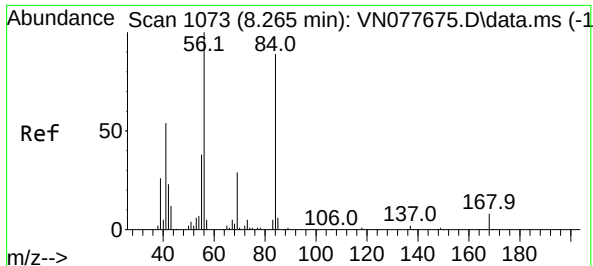
84 100

49 9.3 79.7 119.5#

51 25.2 25.2 37.8

86 64.6 53.3 79.9





#31

Cyclohexane

Concen: 1.230 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN077920.D

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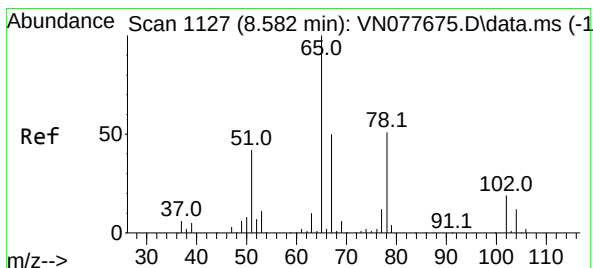
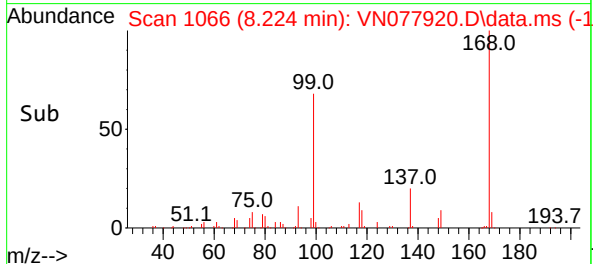
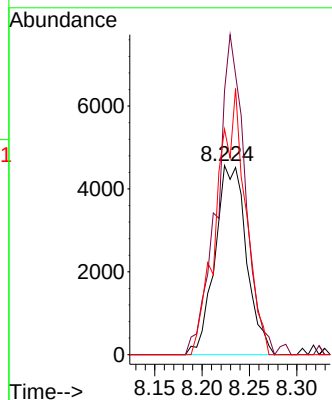
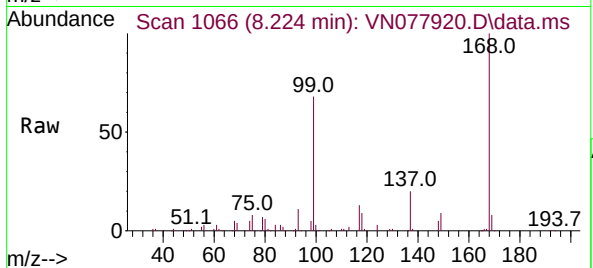
Tgt Ion: 56 Resp: 10556

Ion Ratio Lower Upper

56 100

69 139.6 26.8 40.2#

84 119.3 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 45.071 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077920.D

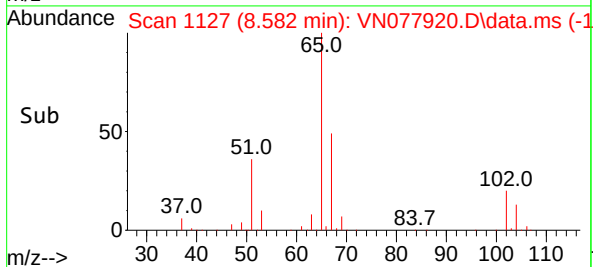
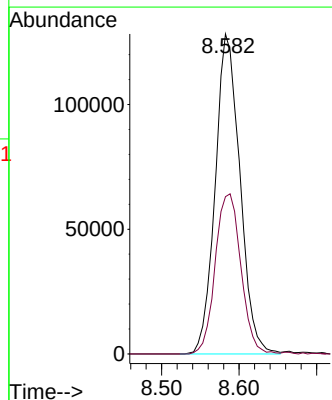
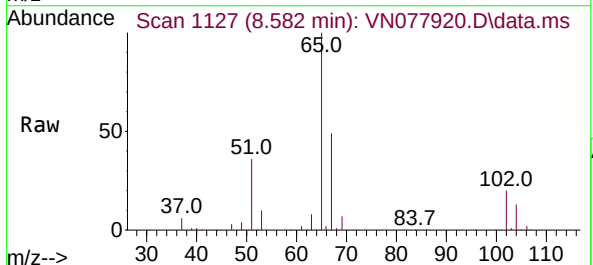
Acq: 26 May 2023 12:16

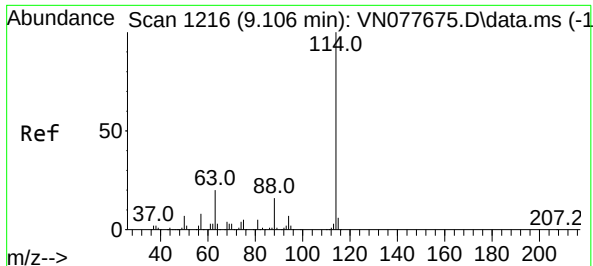
Tgt Ion: 65 Resp: 284611

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6

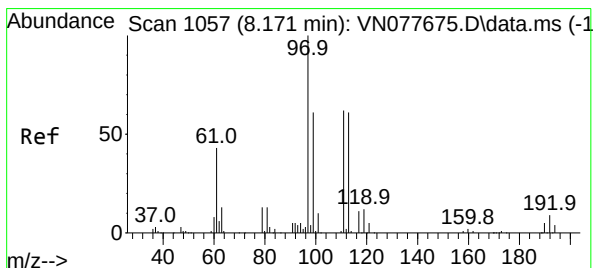
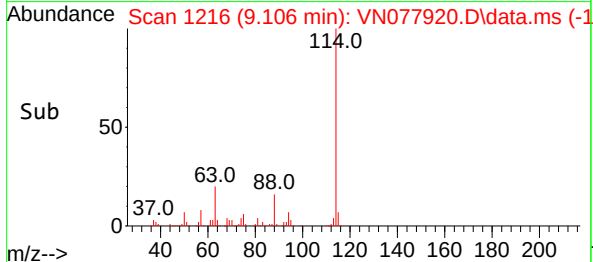
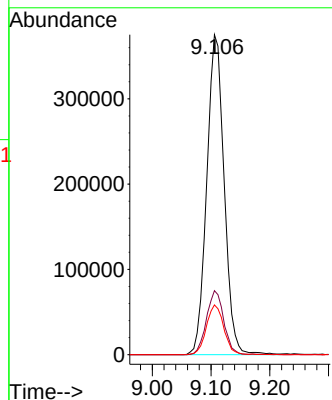
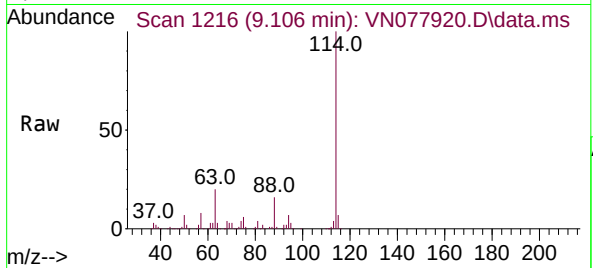




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

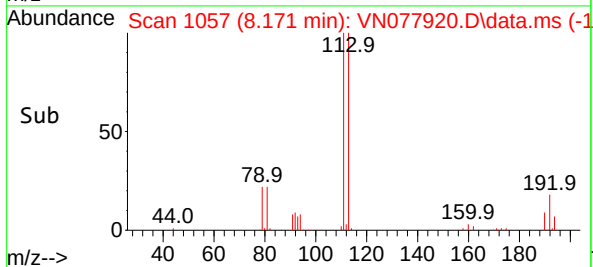
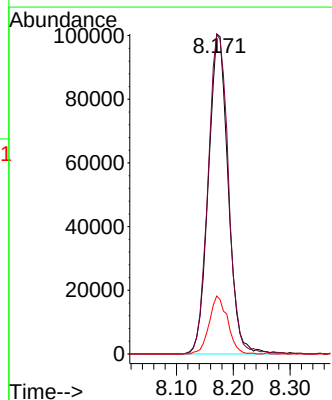
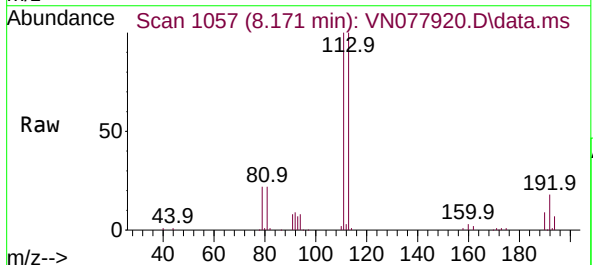
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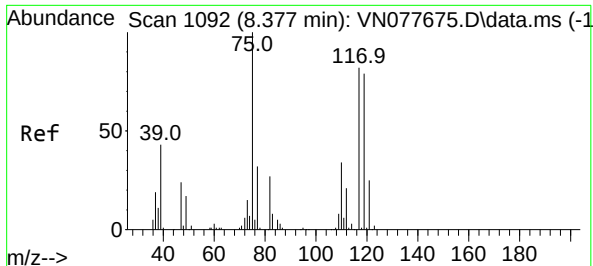
Tgt Ion:114 Resp: 773501
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.007 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion:113 Resp: 242143
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.899 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN077920.D

Acq: 26 May 2023 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0526WBL01

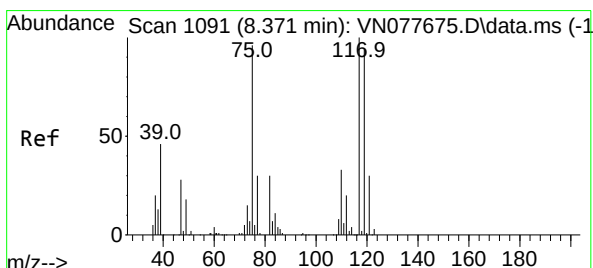
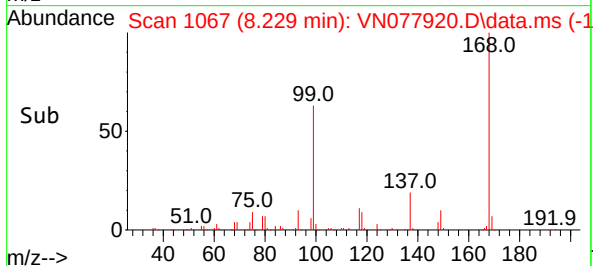
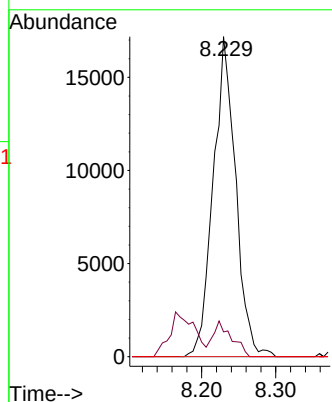
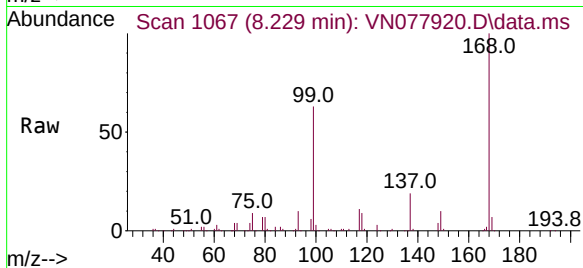
Tgt Ion: 75 Resp: 36143

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.316 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN077920.D

Acq: 26 May 2023 12:16

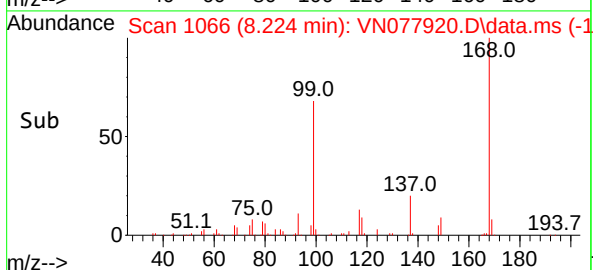
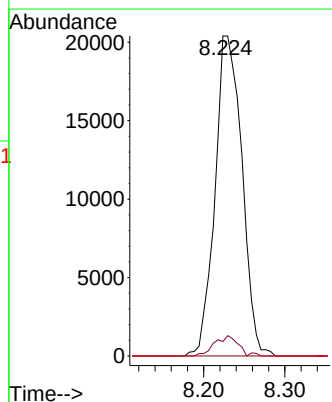
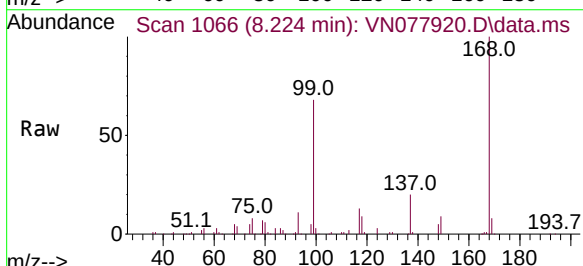
Tgt Ion: 117 Resp: 47053

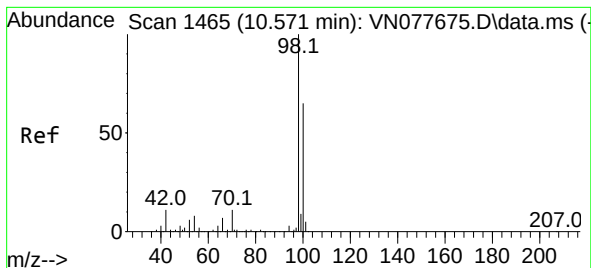
Ion Ratio Lower Upper

117 100

119 4.5 77.3 115.9#

121 0.0 23.3 34.9#

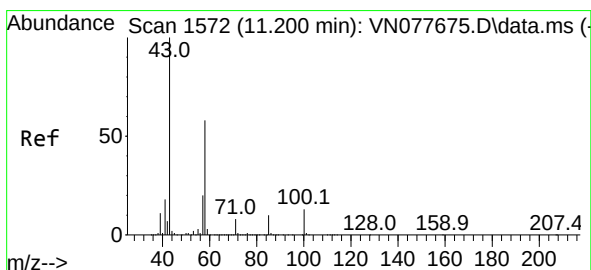
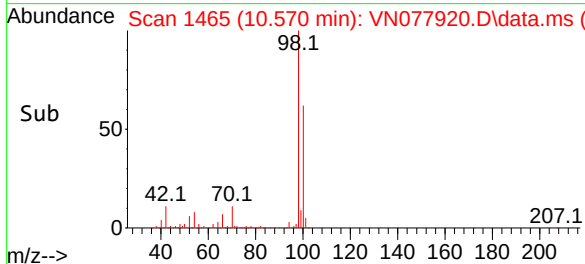
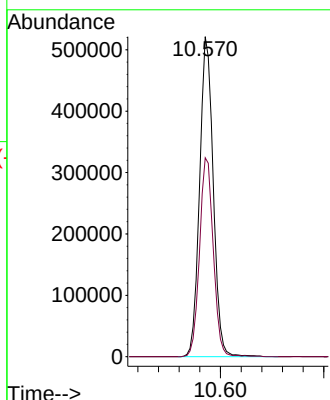
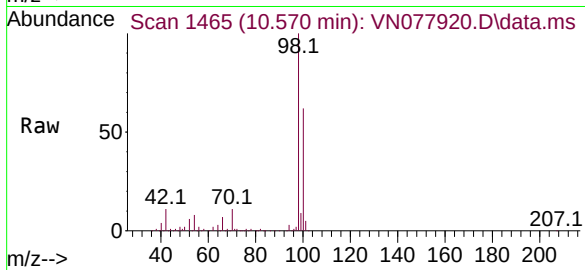




#50
Toluene-d8
Concen: 49.064 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

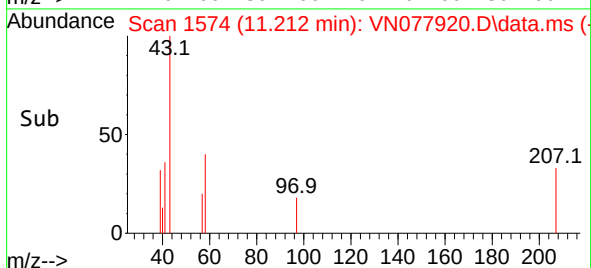
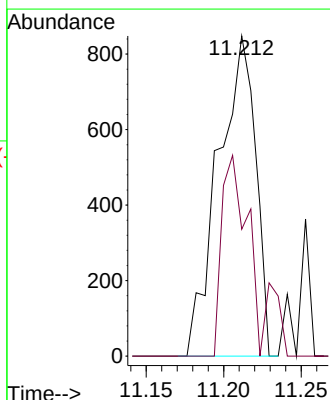
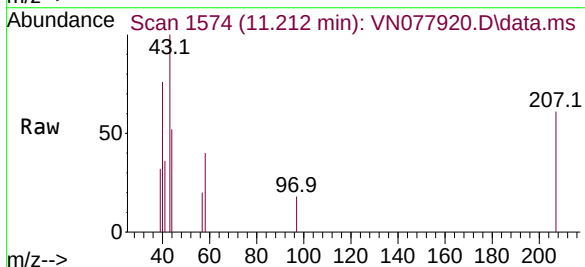
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

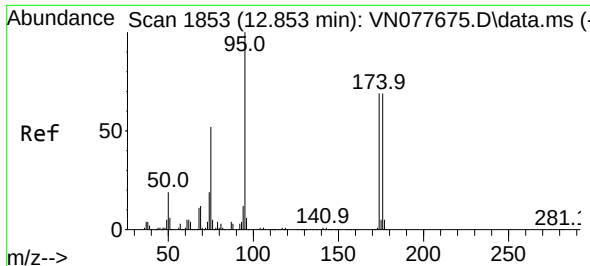
Tgt Ion: 98 Resp: 952552
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#59
2-Hexanone
Concen: 0.300 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion: 43 Resp: 1417
Ion Ratio Lower Upper
43 100
58 51.4 31.7 95.1

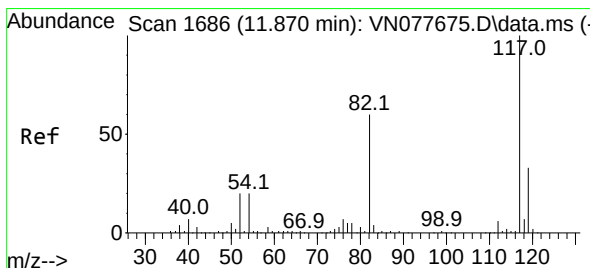
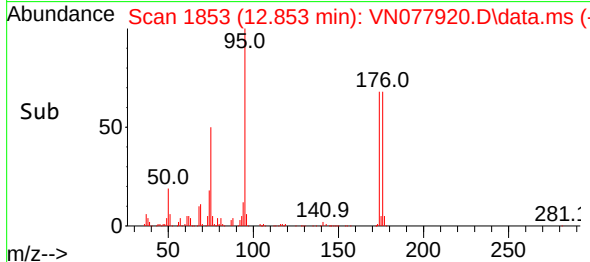
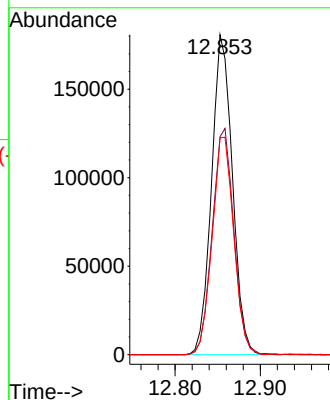
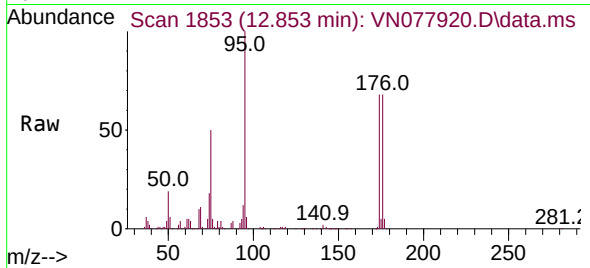




#62
4-Bromofluorobenzene
Concen: 44.824 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

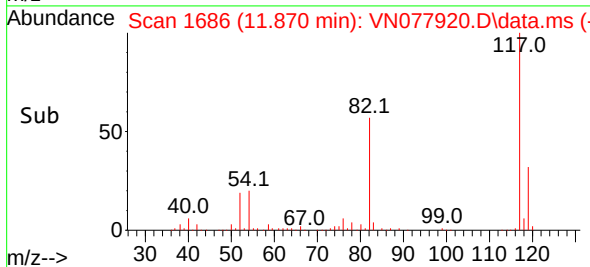
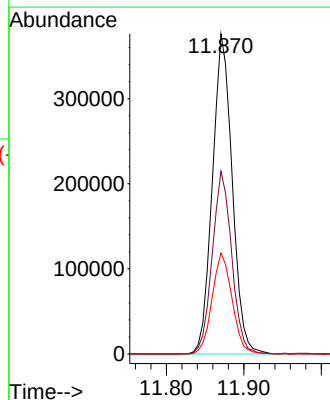
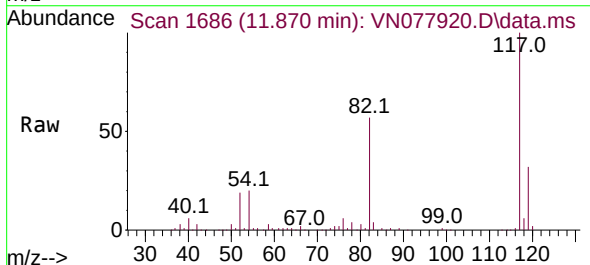
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

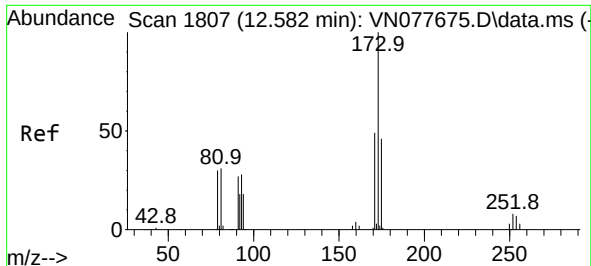
Tgt Ion: 95 Resp: 307347
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 70.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion: 117 Resp: 667726
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 31.5 25.6 38.4

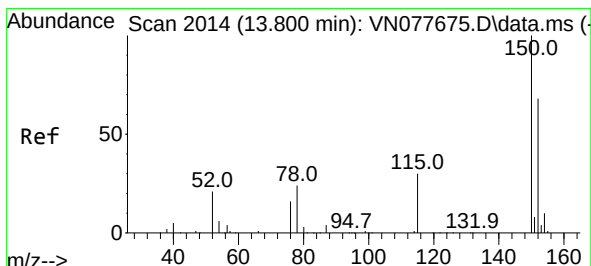
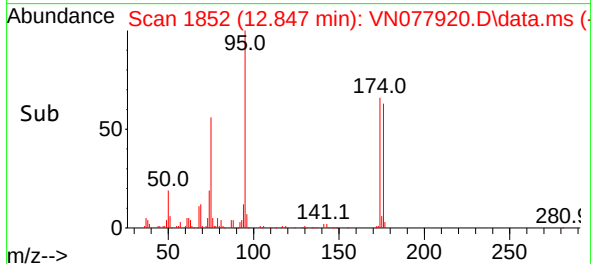
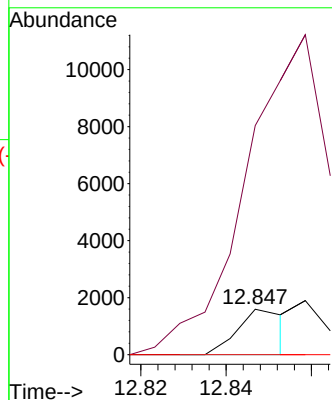
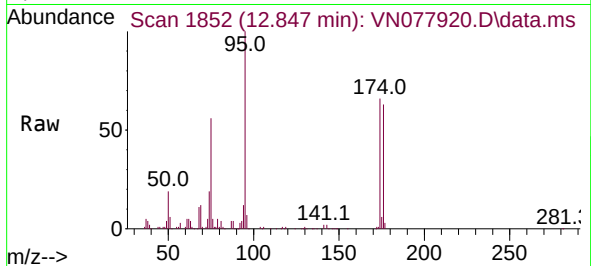




#71
Bromoform
Concen: 0.376 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

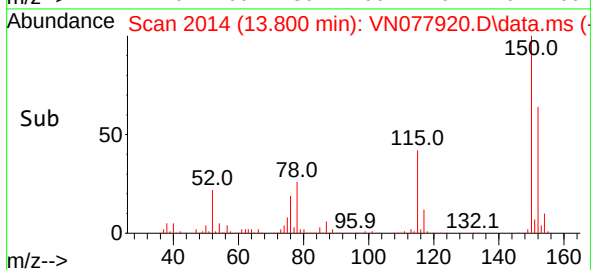
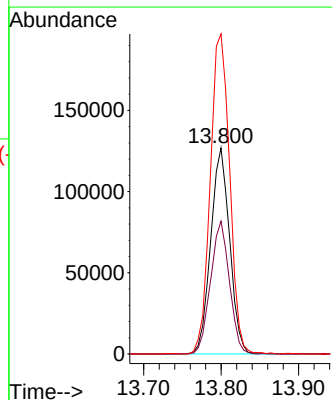
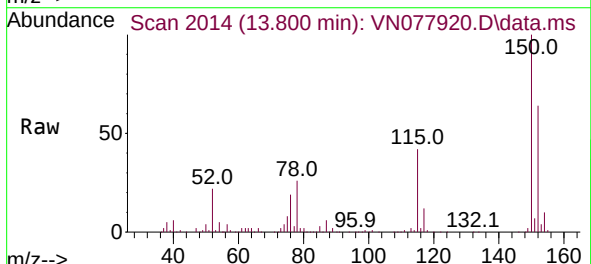
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

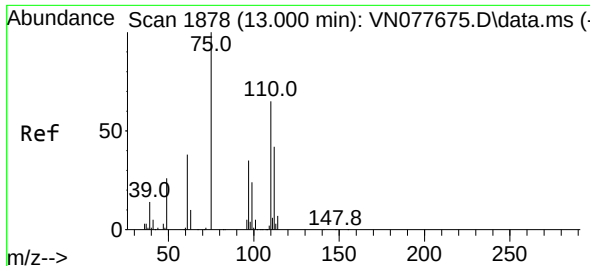
Tgt Ion:173 Resp: 1254
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion:152 Resp: 214998
Ion Ratio Lower Upper
152 100
115 64.3 32.3 96.8
150 158.8 0.0 355.8

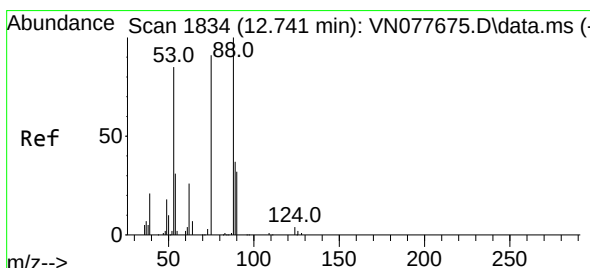
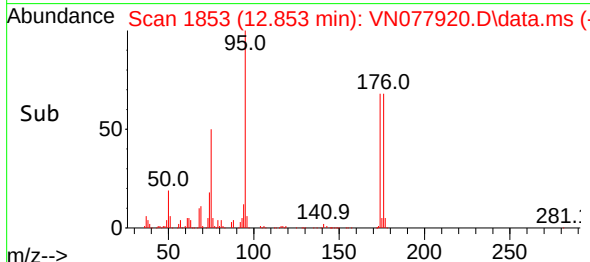
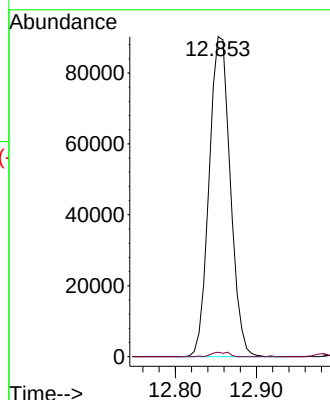
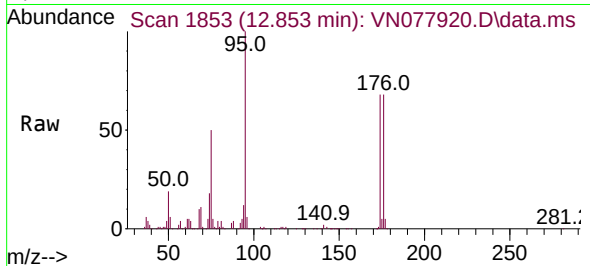




#76
1,2,3-Trichloropropane
Concen: 30.380 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

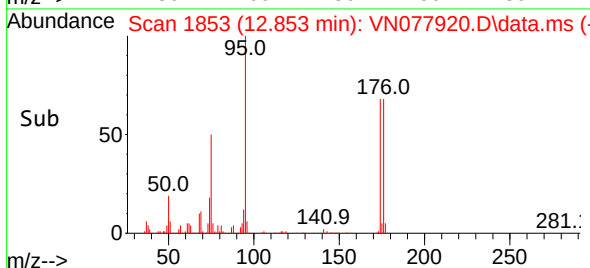
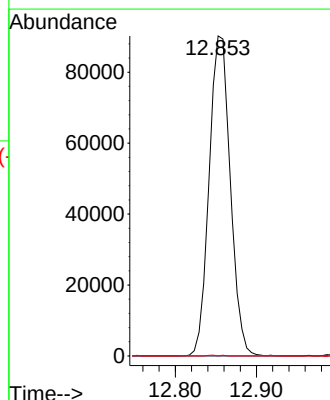
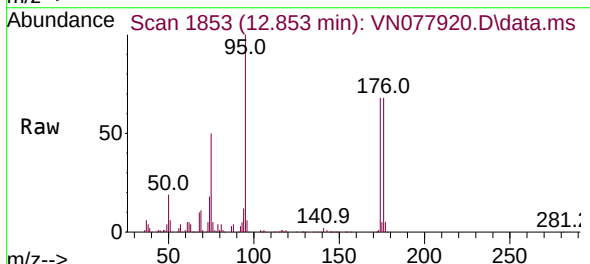
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

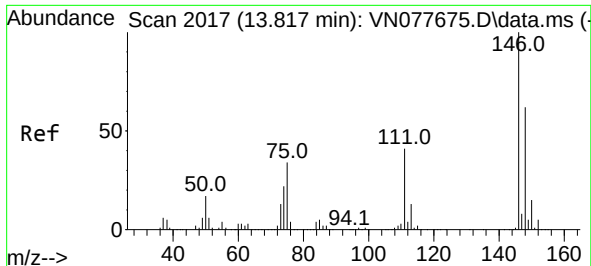
Tgt Ion: 75 Resp: 163573
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.109 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion: 75 Resp: 163573
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

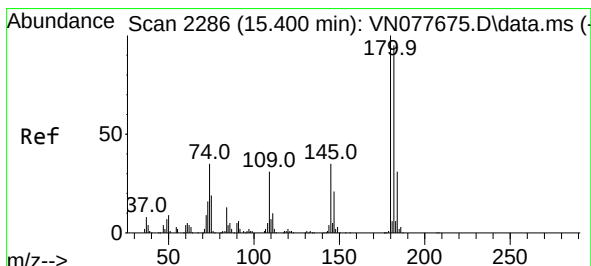
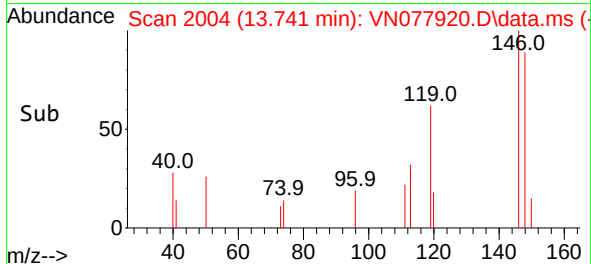
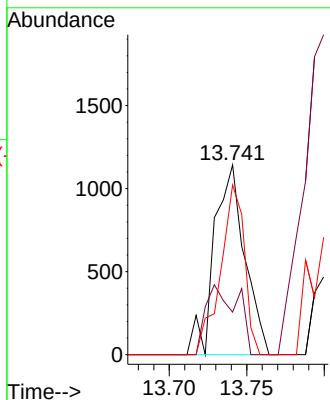
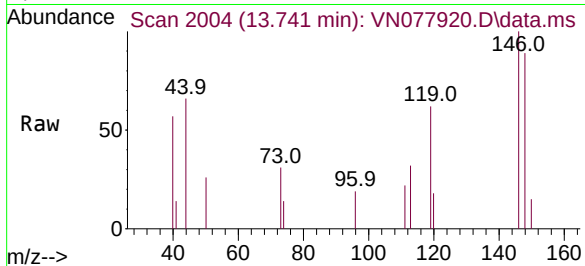




#88
1,4-Dichlorobenzene
Concen: 0.202 ug/l
RT: 13.741 min Scan# 2017
Delta R.T. -0.076 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

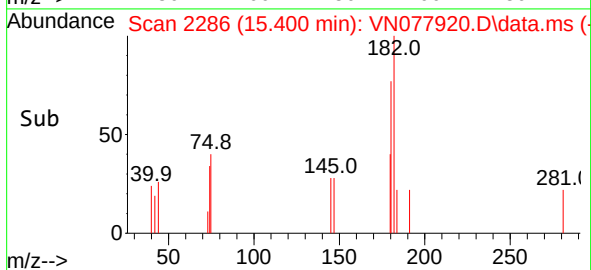
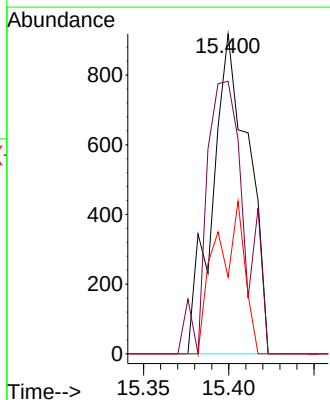
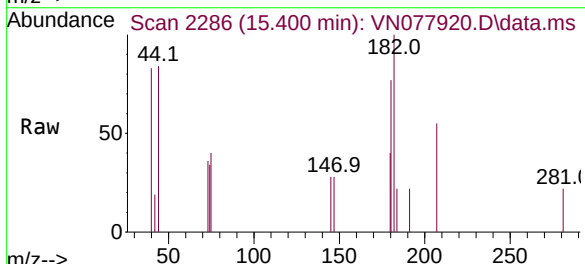
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

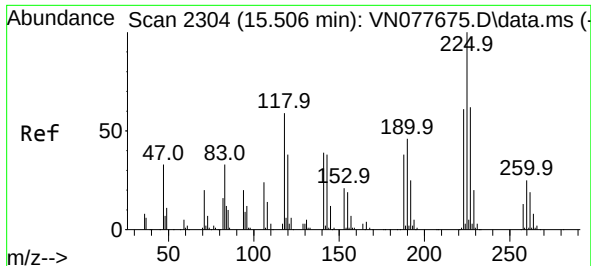
Tgt Ion:146 Resp: 1564
Ion Ratio Lower Upper
146 100
111 38.1 20.6 61.8
148 70.3 31.6 94.8



#93
1,2,4-Trichlorobenzene
Concen: 0.319 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

Tgt Ion:180 Resp: 1363
Ion Ratio Lower Upper
180 100
182 90.5 46.1 138.2
145 37.2 16.6 49.8

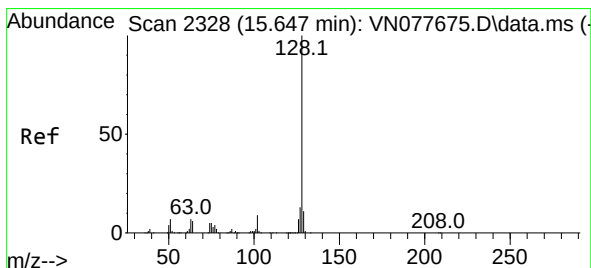
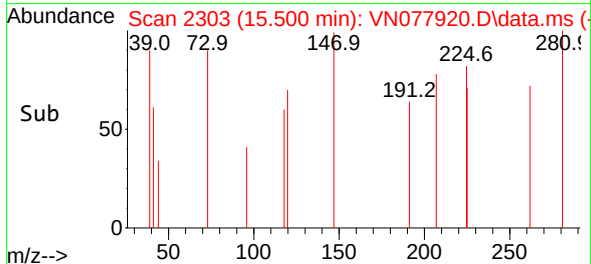
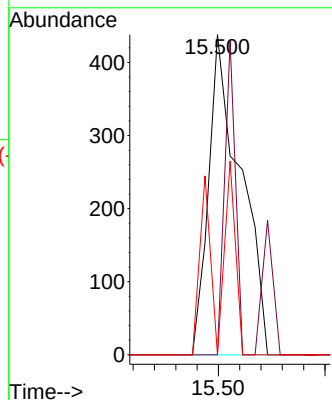
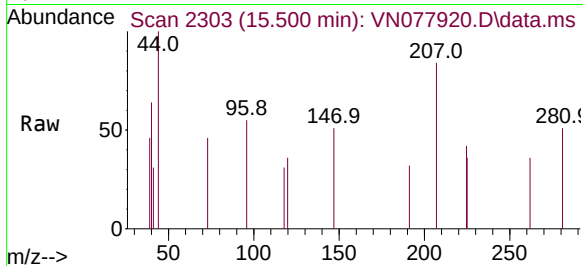




#94
Hexachlorobutadiene
Concen: 0.257 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

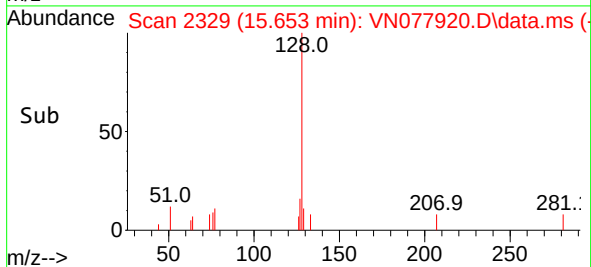
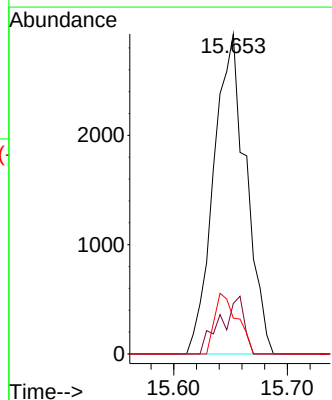
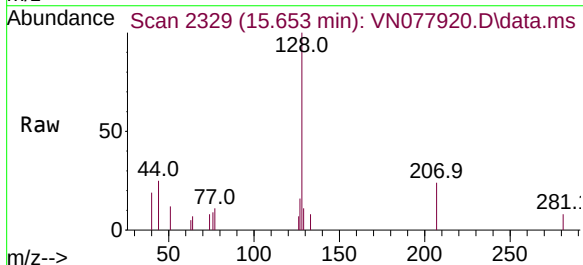
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

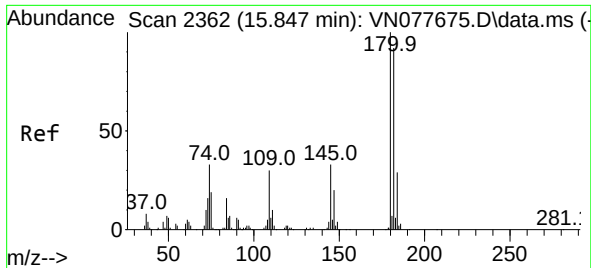
Tgt Ion:	225	Resp:	456
Ion	Ratio	Lower	Upper
225	100		
223	33.1	31.3	93.8
227	39.5	31.9	95.9



#95
Naphthalene
Concen: 0.393 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.005 min
Lab File: VN077920.D
Acq: 26 May 2023 12:16

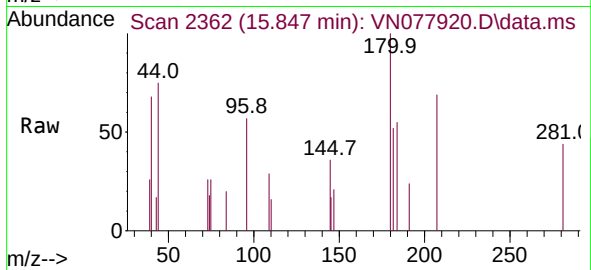
Tgt Ion:	128	Resp:	5775
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.0	15.0
129	13.3	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.392 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077920.D
 Acq: 26 May 2023 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBL01



Tgt Ion:	180	Resp:	1640
Ion	Ratio	Lower	Upper
180	100		
182	79.8	46.2	138.6
145	36.6	17.5	52.6

