

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074291.D
 Acq On : 02 Sep 2022 17:25
 Operator : JC\MD
 Sample : VN0902WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 03 04:40:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

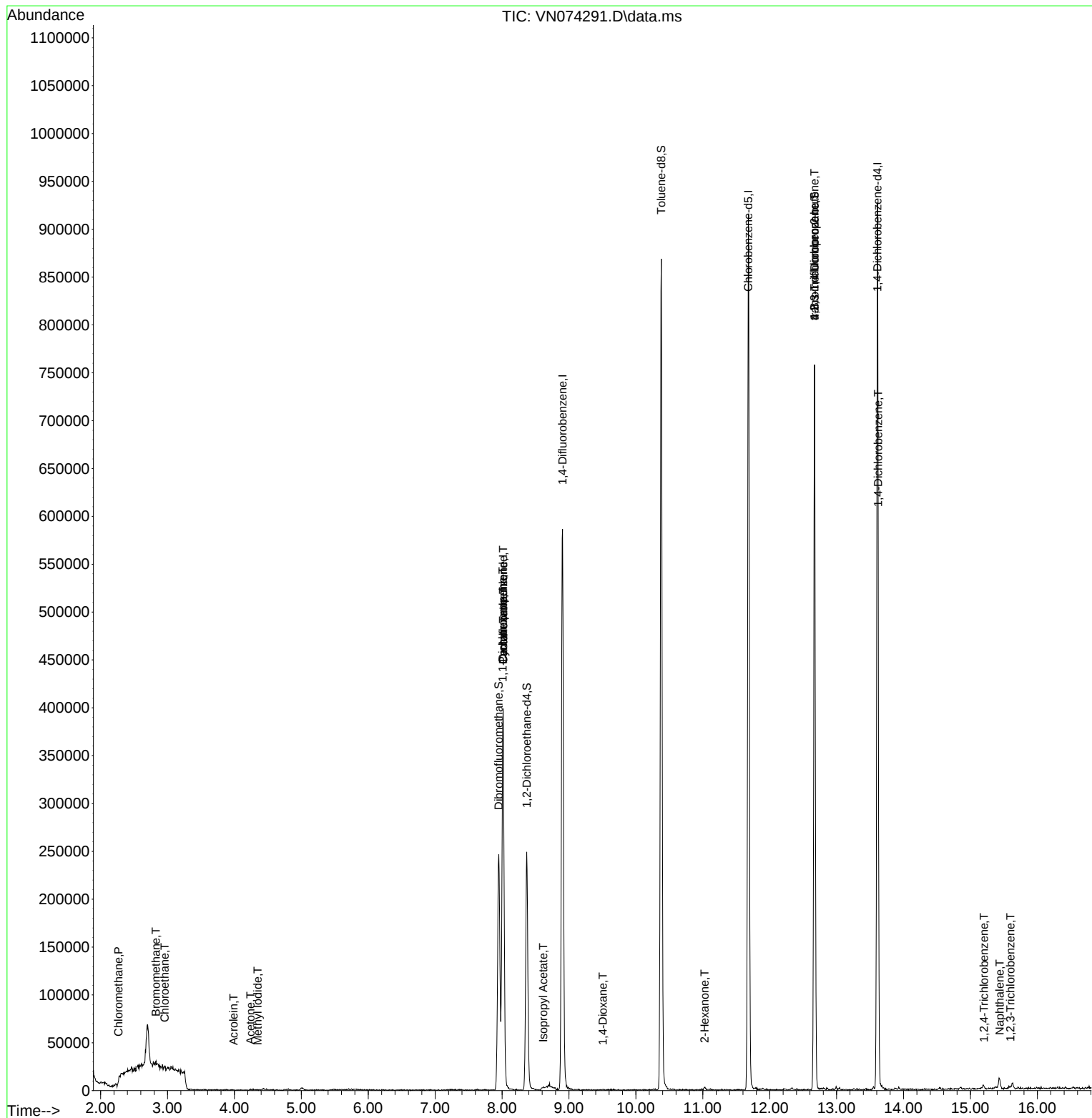
Internal Standards						
1) Pentafluorobenzene	8.016	168	284239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	516704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	491198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	228278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	192744	43.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.000%		
35) Dibromofluoromethane	7.951	113	170406	49.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.540%		
50) Toluene-d8	10.380	98	595934	44.139	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.280%		
62) 4-Bromofluorobenzene	12.668	95	221090	45.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.100%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	1611	0.415	ug/l #	76
5) Bromomethane	2.828	94	4892	1.007	ug/l	93
6) Chloroethane	2.957	64	3008	0.529	ug/l #	42
10) Methyl Iodide	4.345	142	77	5.073	ug/l #	44
13) Acrolein	3.987	56	165	0.305	ug/l #	16
16) Acetone	4.240	43	750	0.405	ug/l #	42
20) Methylene Chloride	5.016	84	770	Below Cal	#	48
31) Cyclohexane	8.016	56	8477	1.432	ug/l #	64
36) 1,1-Dichloropropene	8.010	75	24545	5.051	ug/l #	51
38) Carbon Tetrachloride	8.016	117	29943	6.099	ug/l #	20
43) Isopropyl Acetate	8.616	43	3019	0.327	ug/l #	53
49) 1,4-Dioxane	9.504	88	122	1.168	ug/l #	21
59) 2-Hexanone	11.027	43	2029	0.415	ug/l #	57
76) 1,2,3-Trichloropropane	12.668	75	129003	19.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	129003	64.773	ug/l #	10
88) 1,4-Dichlorobenzene	13.621	146	1827	0.390	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.204	180	1721	1.256	ug/l	80
94) Hexachlorobutadiene	15.304	225	378	Below Cal	#	18
95) Naphthalene	15.439	128	11307	1.437	ug/l	98
96) 1,2,3-Trichlorobenzene	15.598	180	611	0.554	ug/l	96

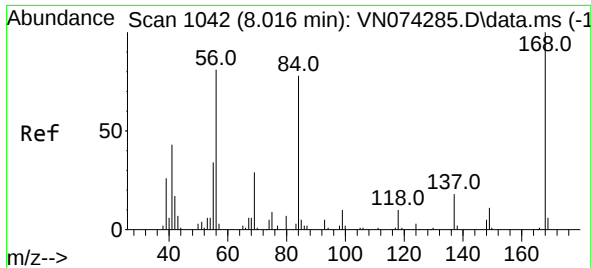
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 03 04:35:33 2022
Response via : Initial Calibration

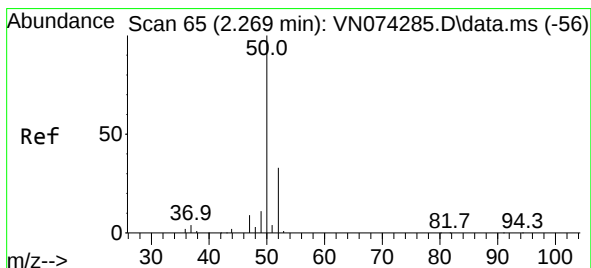
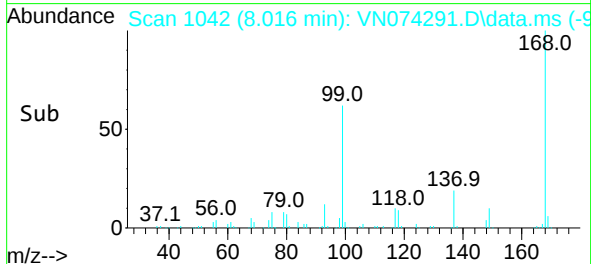
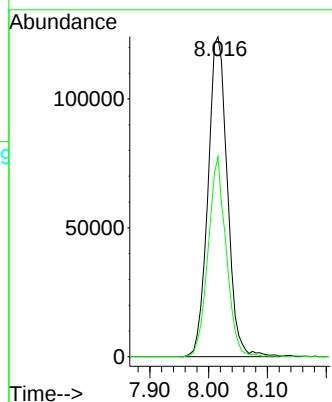
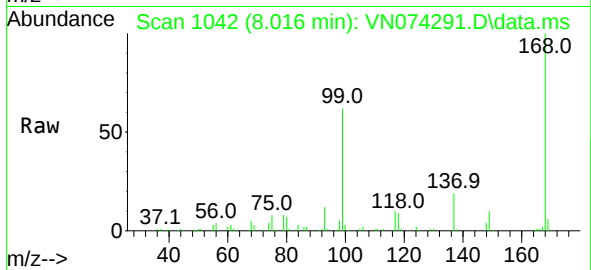




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

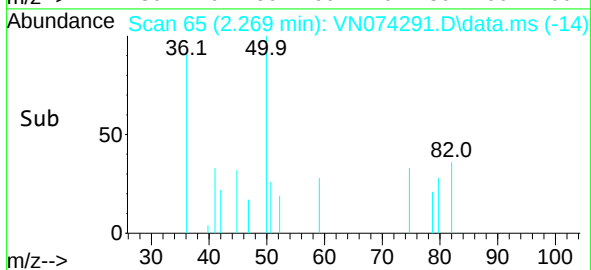
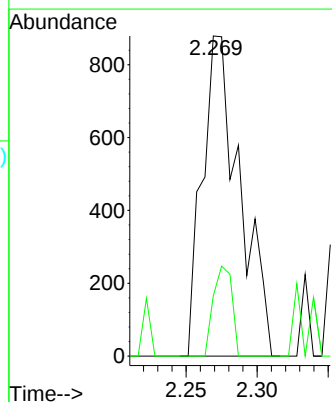
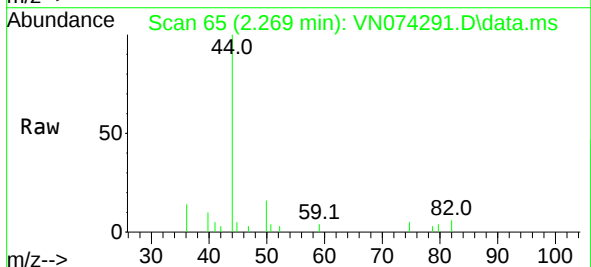
Instrument :
MSVOA_N
ClientSampleId :

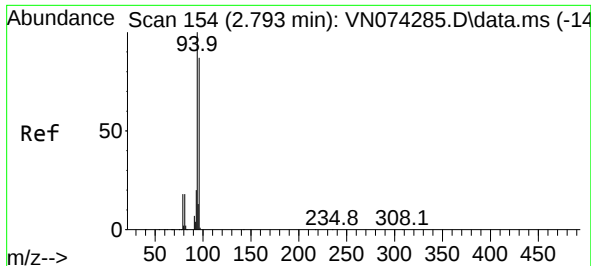
Tgt Ion:168 Resp: 284239
Ion Ratio Lower Upper
168 100
99 62.5 42.3 63.5



#3
Chloromethane
Concen: 0.415 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

Tgt Ion: 50 Resp: 1611
Ion Ratio Lower Upper
50 100
52 18.9 25.7 38.5#

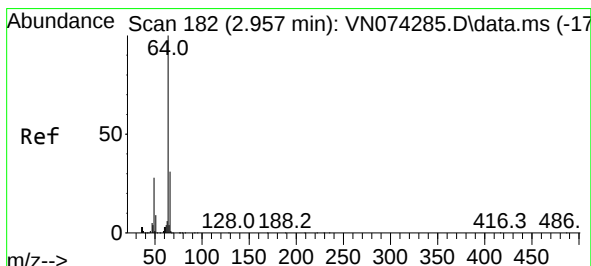
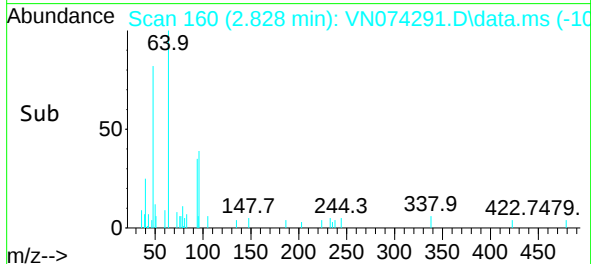
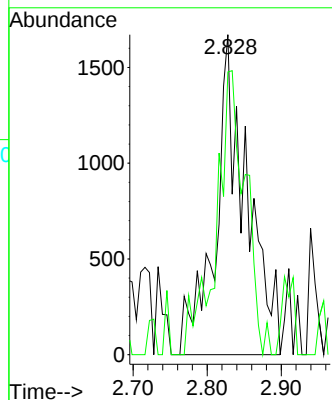
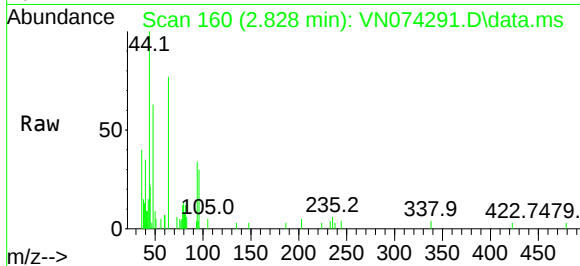




#5
Bromomethane
Concen: 1.007 ug/l
RT: 2.828 min Scan# 1
Delta R.T. 0.047 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

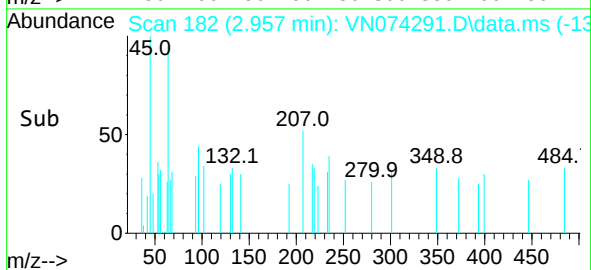
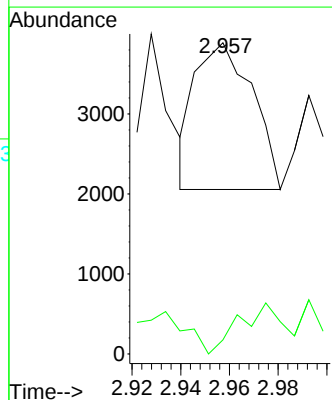
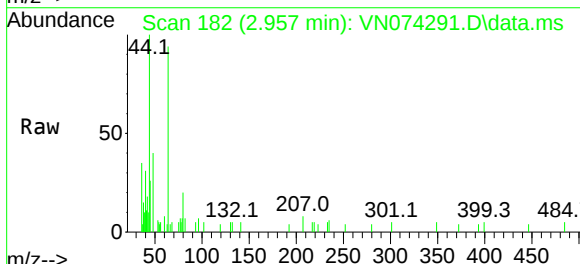
Instrument :
MSVOA_N
ClientSampleId :

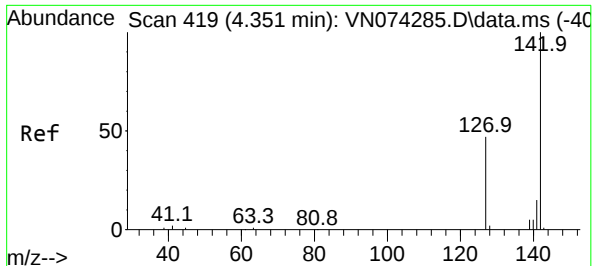
Tgt Ion: 94 Resp: 4892
Ion Ratio Lower Upper
94 100
96 88.3 76.0 114.0



#6
Chloroethane
Concen: 0.529 ug/l
RT: 2.957 min Scan# 182
Delta R.T. 0.006 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

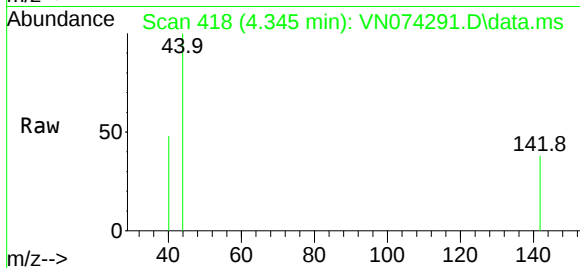
Tgt Ion: 64 Resp: 3008
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



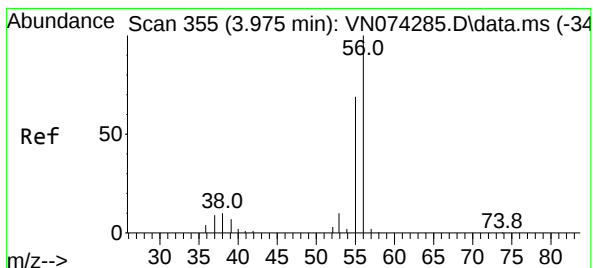
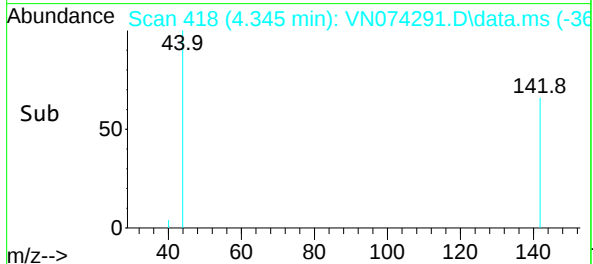
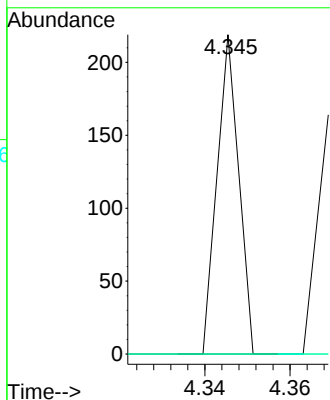


#10
Methyl Iodide
Concen: 5.073 ug/l
RT: 4.345 min Scan# 419
Delta R.T. -0.001 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

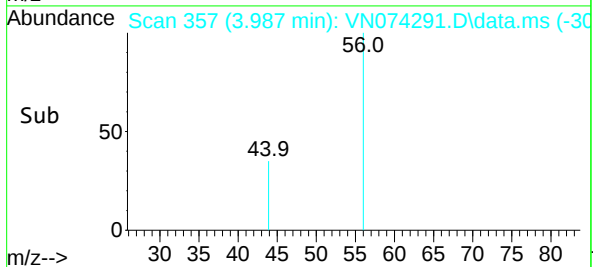
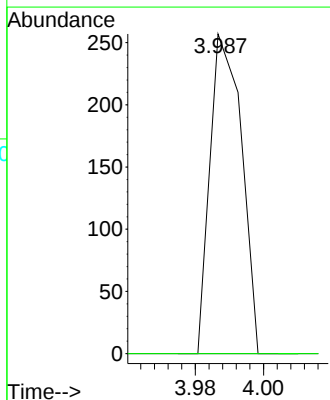
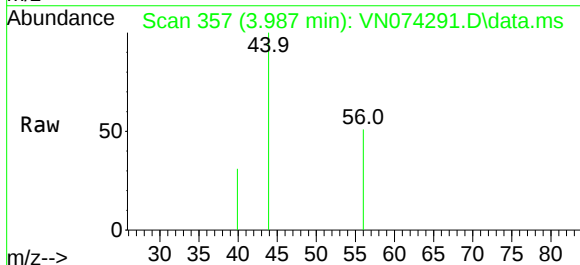


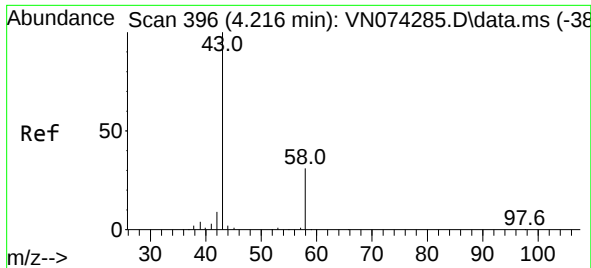
Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.305 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.012 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

Tgt Ion: 56 Resp: 165
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 0.405 ug/l

RT: 4.240 min Scan# 40

Delta R.T. 0.018 min

Lab File: VN074291.D

Acq: 02 Sep 2022 17:25

Instrument :

MSVOA_N

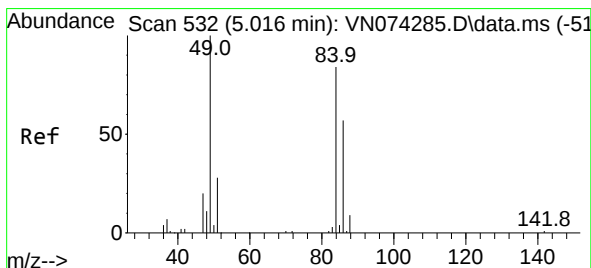
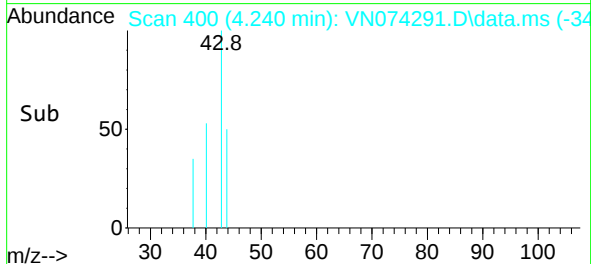
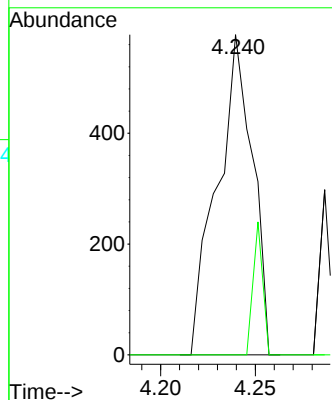
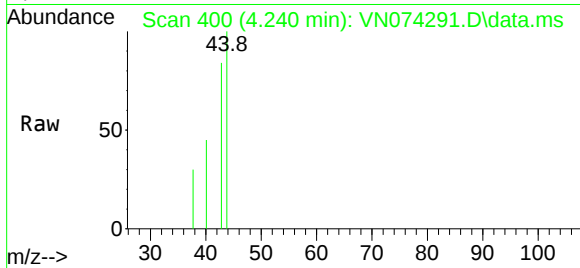
ClientSampleId :

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.016 min Scan# 532

Delta R.T. 0.006 min

Lab File: VN074291.D

Acq: 02 Sep 2022 17:25

Tgt Ion: 84 Resp: 770

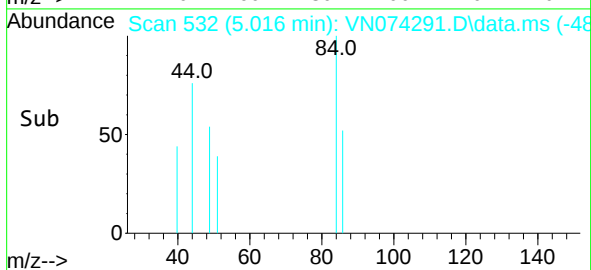
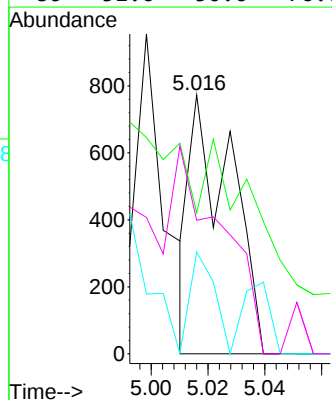
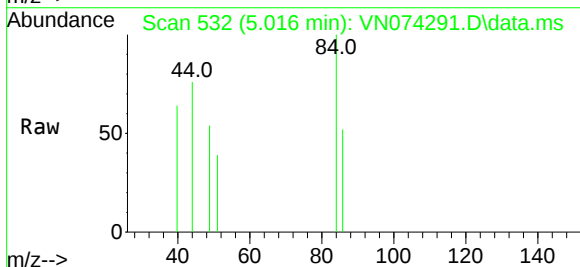
Ion Ratio Lower Upper

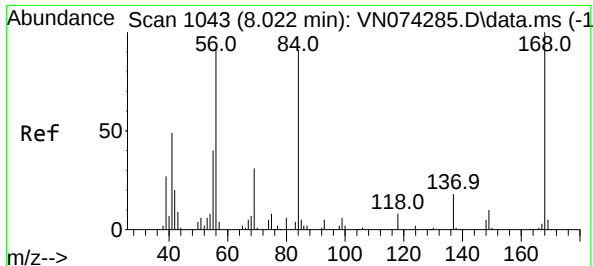
84 100

49 18.4 88.3 132.5#

51 39.3 28.2 42.2

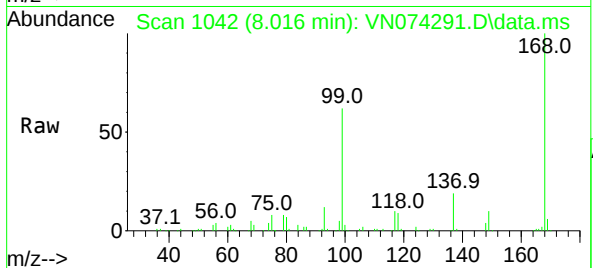
86 51.6 50.6 76.0



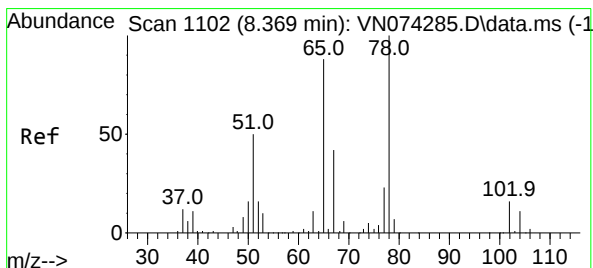
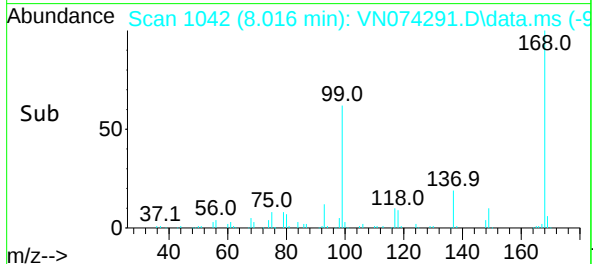
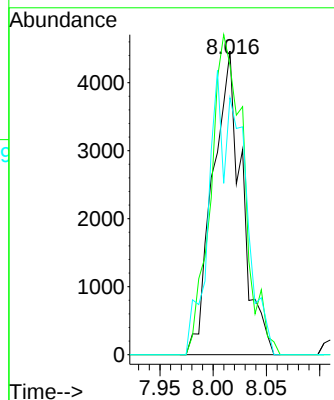


#31
Cyclohexane
Concen: 1.432 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

Instrument :
MSVOA_N
ClientSampleId :

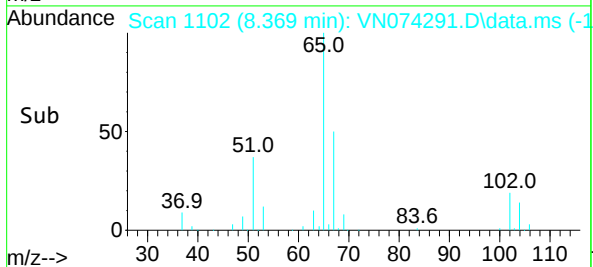
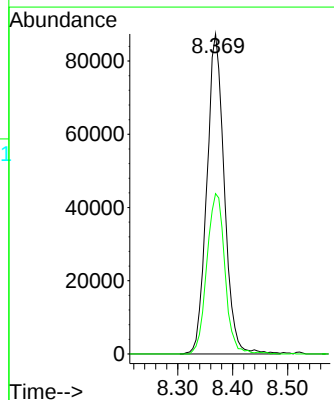
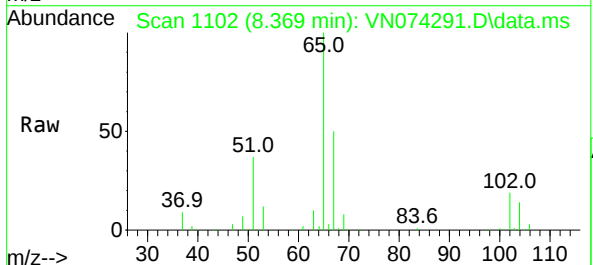


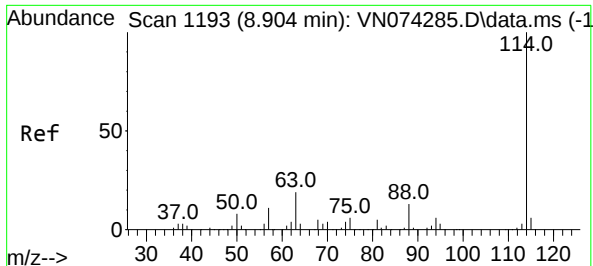
Tgt Ion: 56 Resp: 8477
Ion Ratio Lower Upper
56 100
69 95.3 27.8 41.8#
84 84.6 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 43.501 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

Tgt Ion: 65 Resp: 192744
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074291.D

Acq: 02 Sep 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

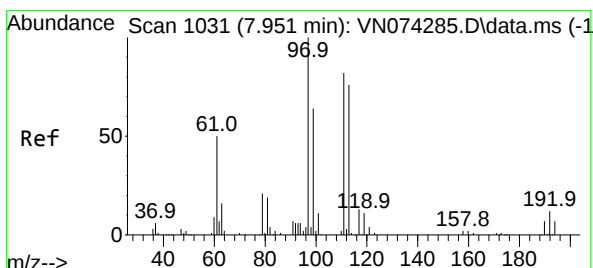
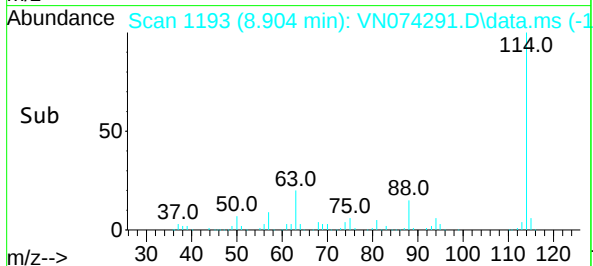
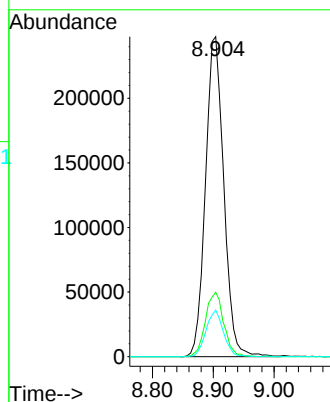
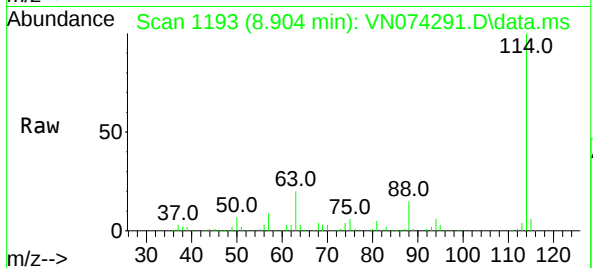
Tgt Ion:114 Resp: 516704

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.769 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074291.D

Acq: 02 Sep 2022 17:25

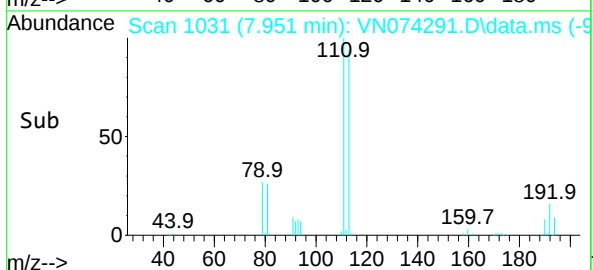
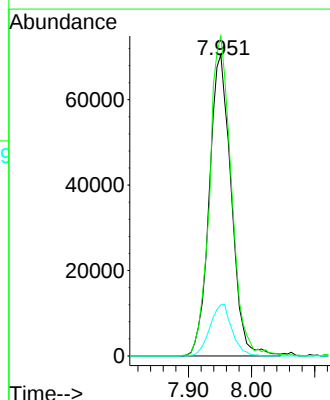
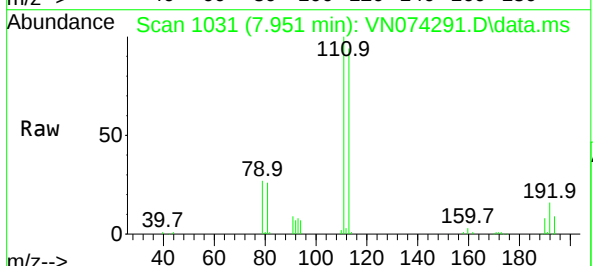
Tgt Ion:113 Resp: 170406

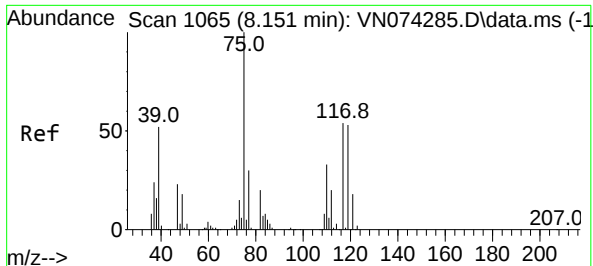
Ion Ratio Lower Upper

113 100

111 106.3 81.4 122.0

192 17.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.147 min

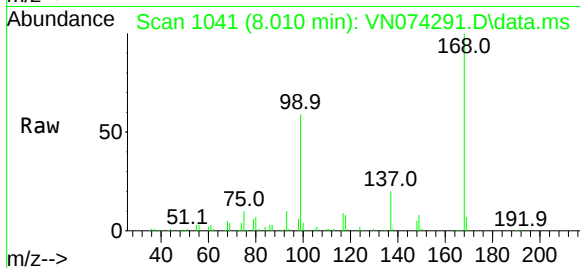
Lab File: VN074291.D

Acq: 02 Sep 2022 17:25

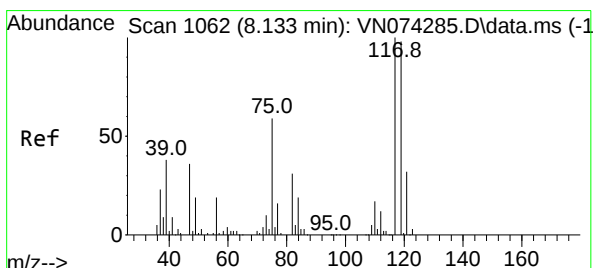
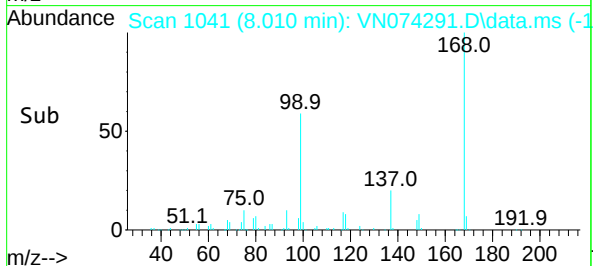
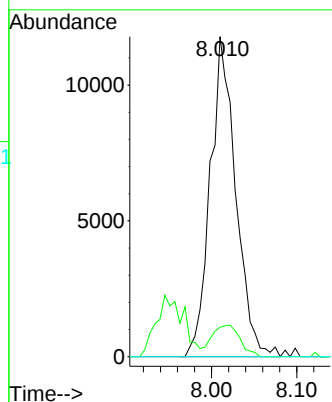
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	24545
Ion Ratio	Lower	Upper	
75	100		
110	10.9	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.099 ug/l

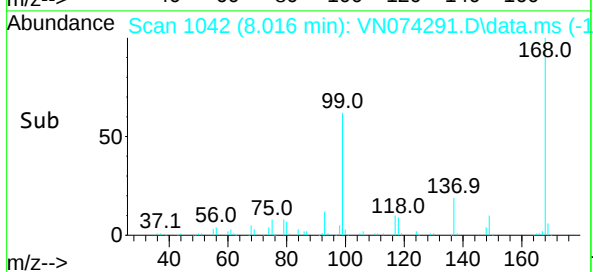
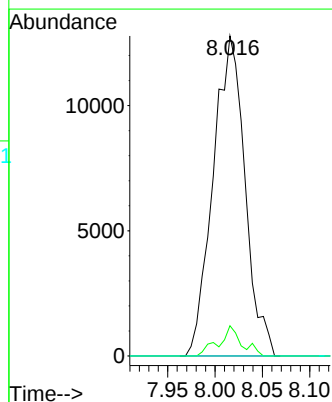
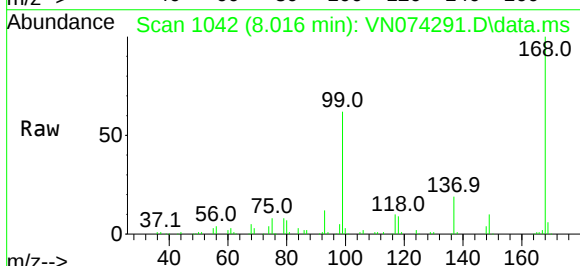
RT: 8.016 min Scan# 1042

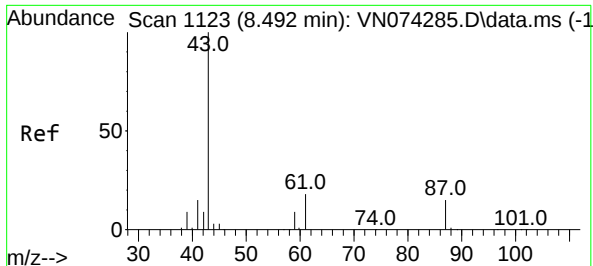
Delta R.T. -0.117 min

Lab File: VN074291.D

Acq: 02 Sep 2022 17:25

Tgt Ion:	117	Resp:	29943
Ion Ratio	Lower	Upper	
117	100		
119	9.5	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.327 ug/l

RT: 8.616 min Scan# 1144

Delta R.T. 0.124 min

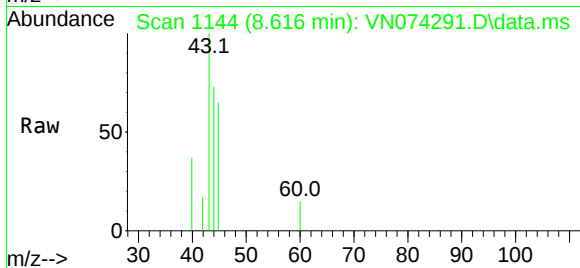
Lab File: VN074291.D

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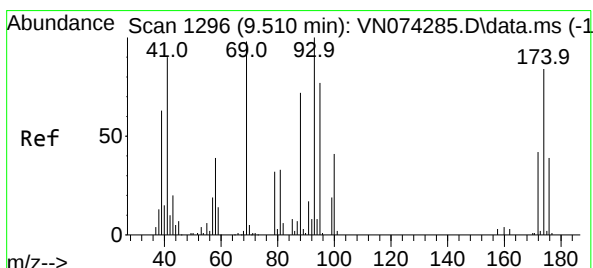
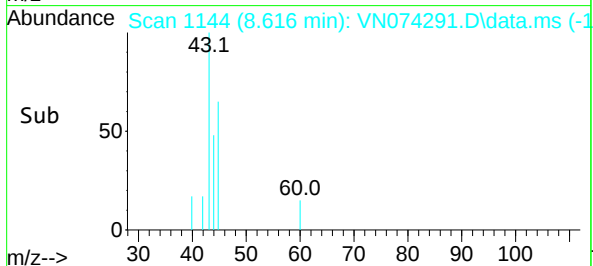
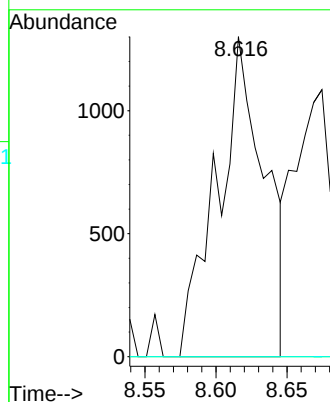
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3019
Ion Ratio	Lower	Upper	
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#



#49

1,4-Dioxane

Concen: 1.168 ug/l

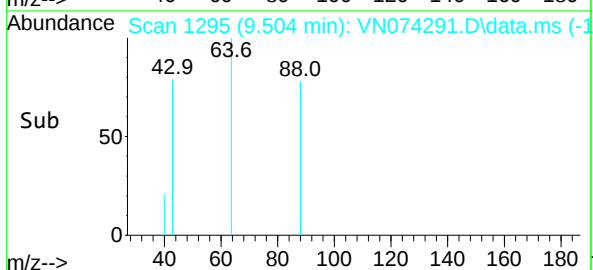
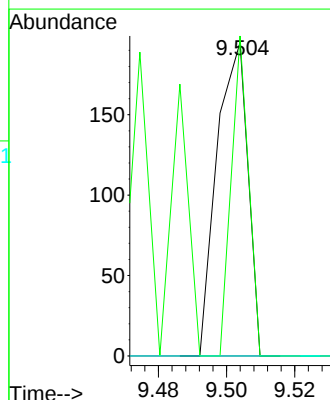
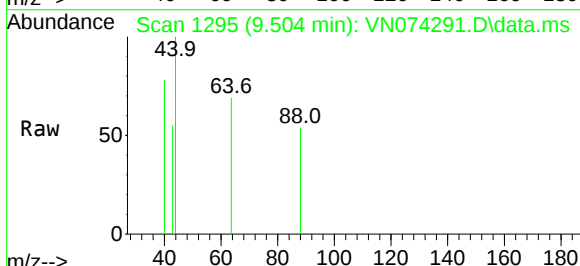
RT: 9.504 min Scan# 1295

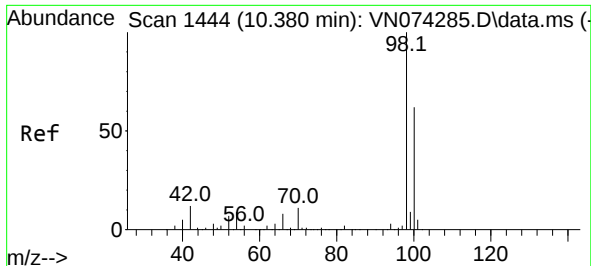
Delta R.T. -0.000 min

Lab File: VN074291.D

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Tgt Ion:	88	Resp:	122
Ion Ratio	Lower	Upper	
88	100		
43	57.4	20.2	30.4#
58	0.0	54.2	81.4#

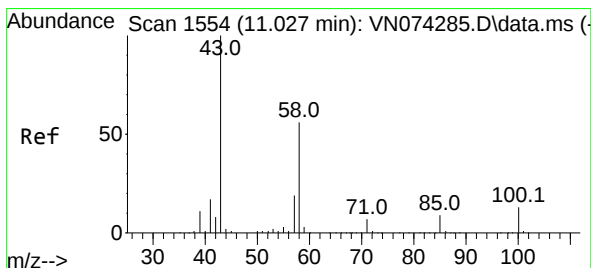
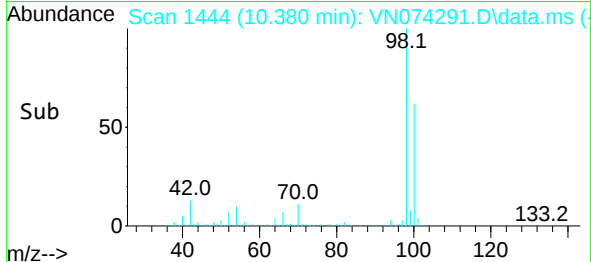
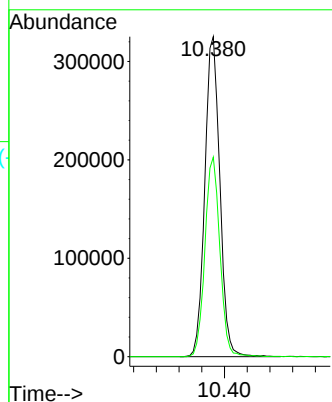
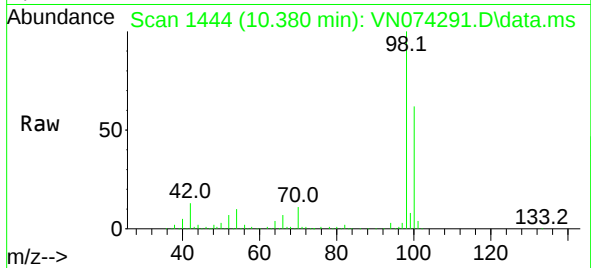




#50
Toluene-d8
Concen: 44.139 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

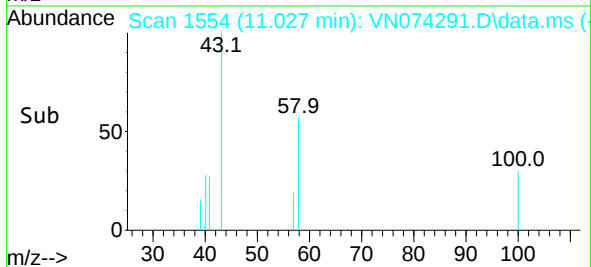
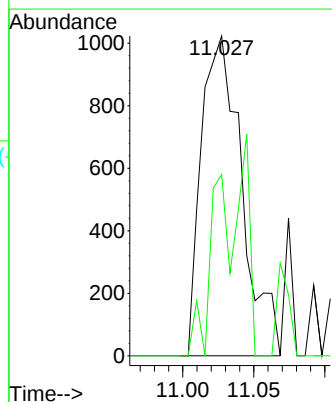
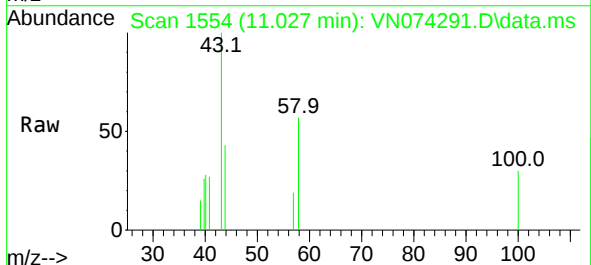
Instrument :
MSVOA_N
ClientSampleId :

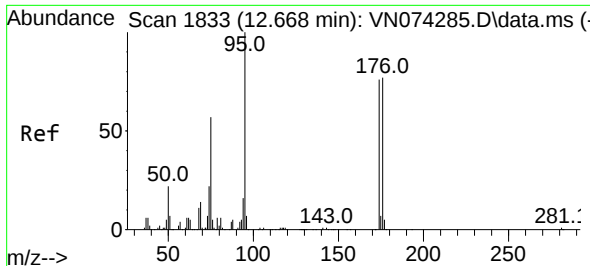
Tgt Ion: 98 Resp: 595934
Ion Ratio Lower Upper
98 100
100 62.0 52.6 78.8



#59
2-Hexanone
Concen: 0.415 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
58 27.1 29.7 89.1#

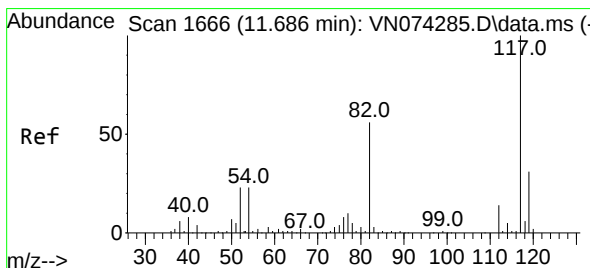
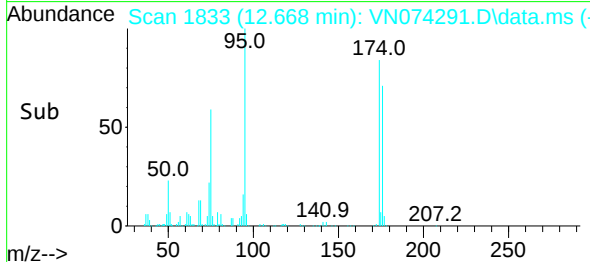
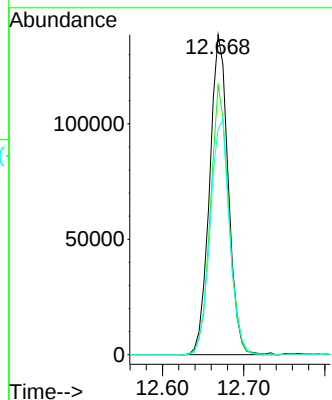
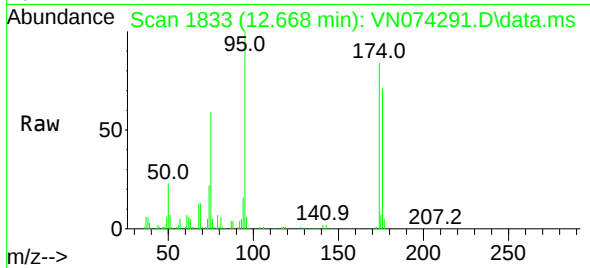




#62
4-Bromofluorobenzene
Concen: 45.050 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

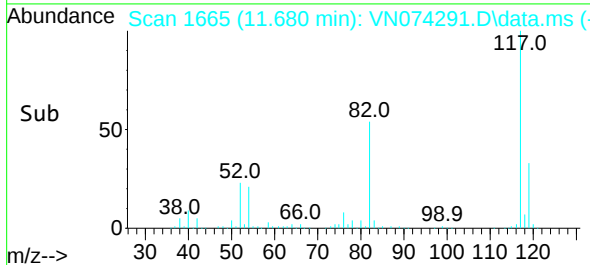
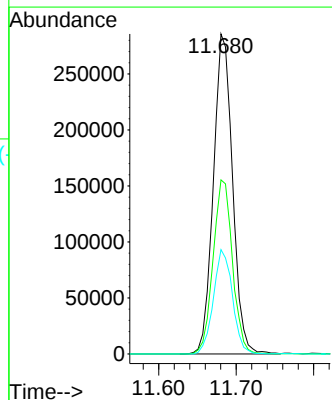
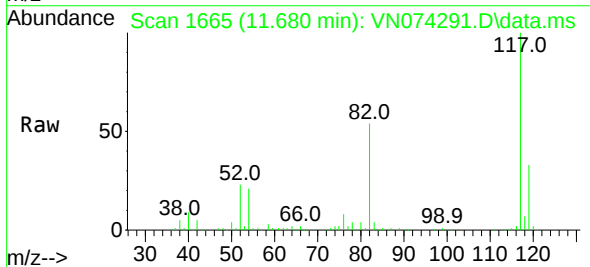
Instrument :
MSVOA_N
ClientSampleId :

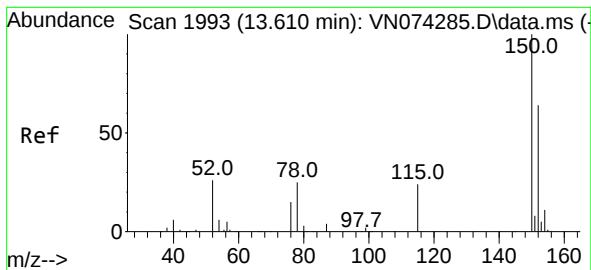
Tgt Ion: 95 Resp: 221090
Ion Ratio Lower Upper
95 100
174 82.3 0.0 167.6
176 76.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

Tgt Ion: 117 Resp: 491198
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.6 25.4 38.0

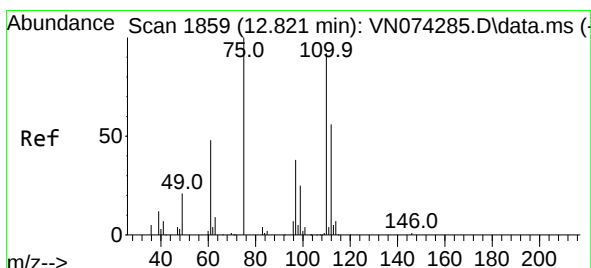
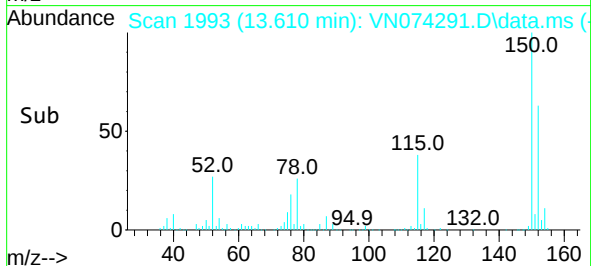
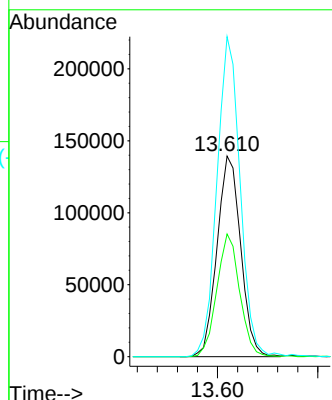
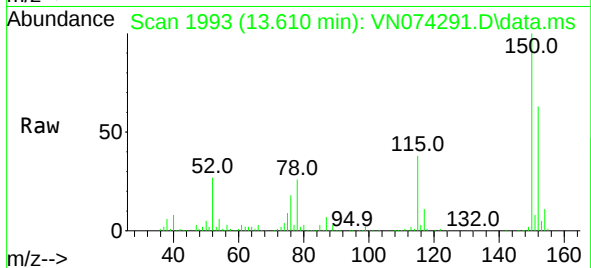




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074291.D
 Acq: 02 Sep 2022 17:25

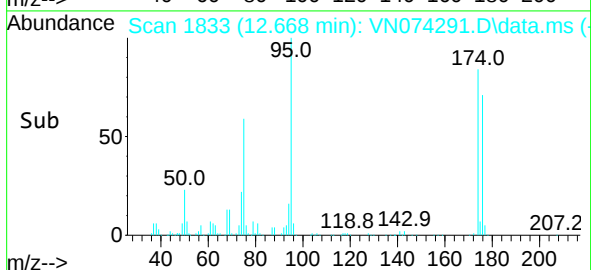
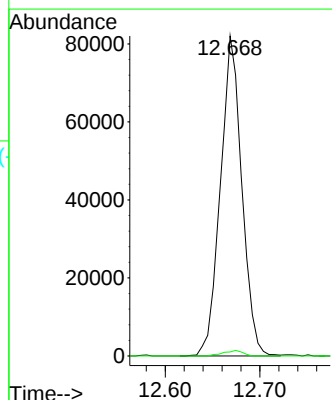
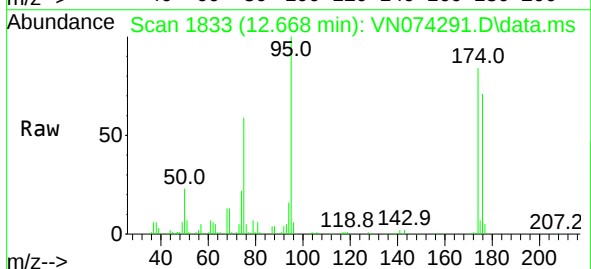
Instrument :
 MSVOA_N
 ClientSampleId :

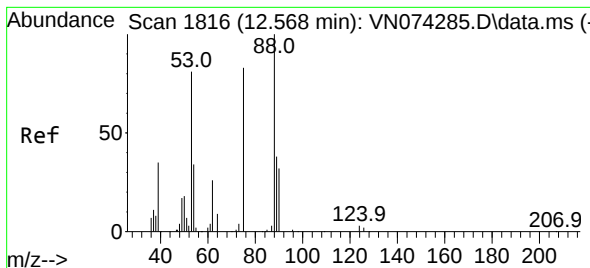
Tgt Ion:152 Resp: 228278
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.9 86.7
 150 156.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 19.953 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.153 min
 Lab File: VN074291.D
 Acq: 02 Sep 2022 17:25

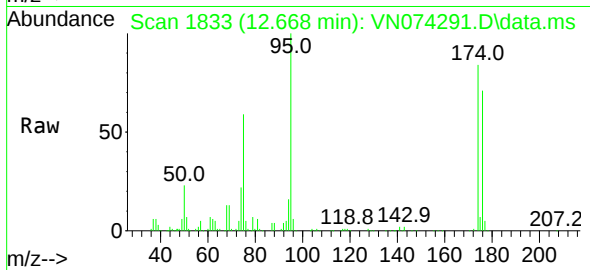
Tgt Ion: 75 Resp: 129003
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#



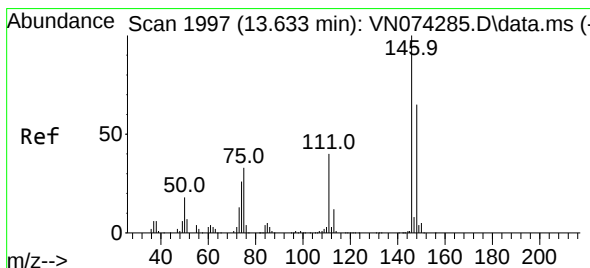
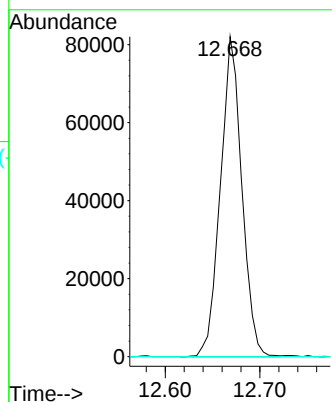
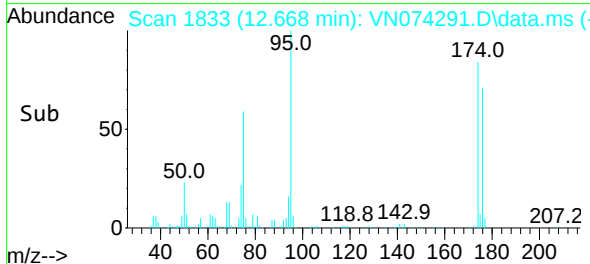


#81
trans-1,4-Dichloro-2-butene
Concen: 64.773 ug/l
RT: 12.668 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25

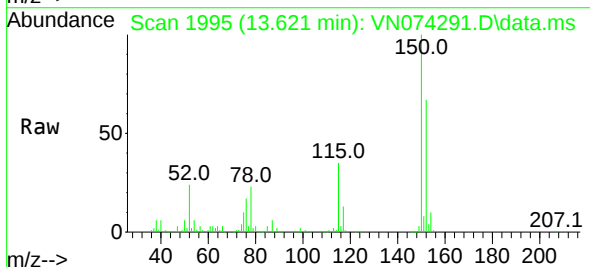
Instrument :
MSVOA_N
ClientSampleId :



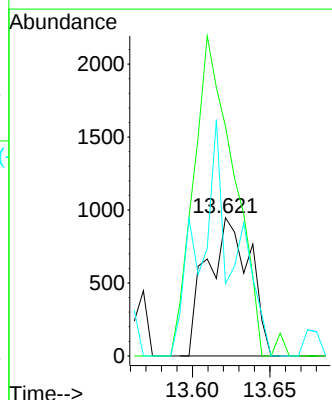
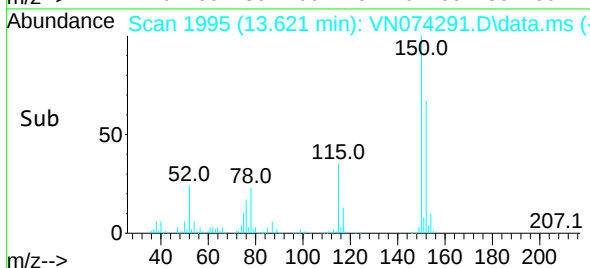
Tgt Ion: 75 Resp: 129003
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

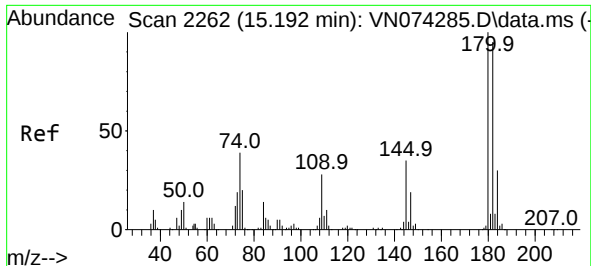


#88
1,4-Dichlorobenzene
Concen: 0.390 ug/l
RT: 13.621 min Scan# 1995
Delta R.T. -0.012 min
Lab File: VN074291.D
Acq: 02 Sep 2022 17:25



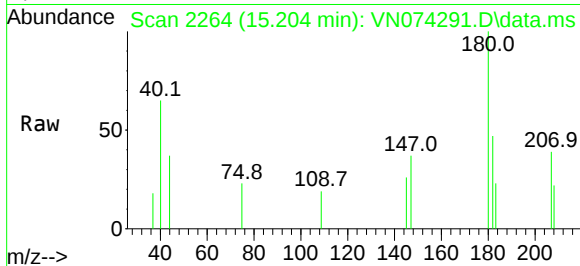
Tgt Ion: 146 Resp: 1827
Ion Ratio Lower Upper
146 100
111 215.4 19.1 57.1#
148 101.6 31.4 94.3#



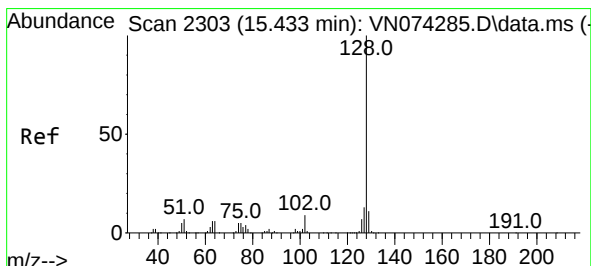
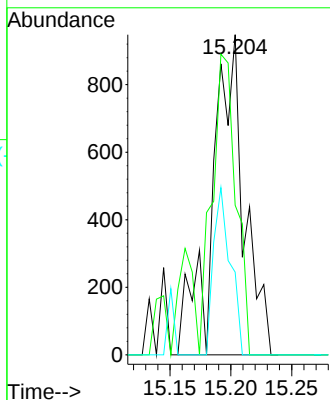
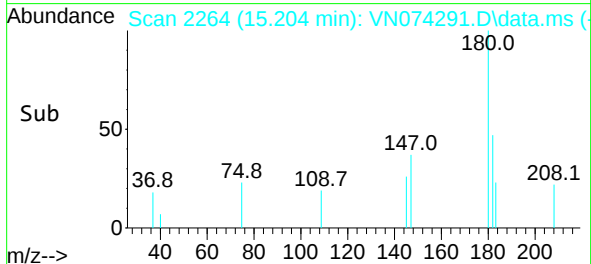


#93
 1,2,4-Trichlorobenzene
 Concen: 1.256 ug/l
 RT: 15.204 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN074291.D
 Acq: 02 Sep 2022 17:25

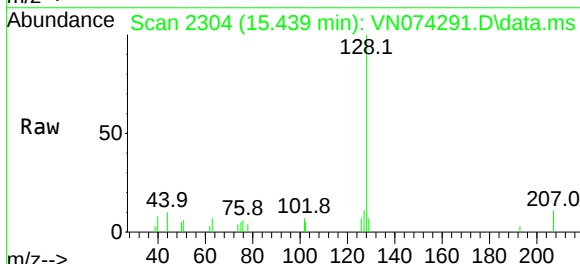
Instrument :
 MSVOA_N
 ClientSampleId :



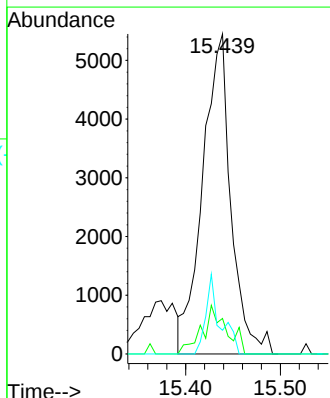
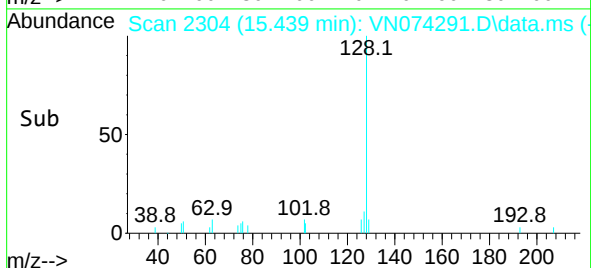
Tgt Ion:180 Resp: 1721
 Ion Ratio Lower Upper
 180 100
 182 70.9 47.5 142.5
 145 27.7 14.5 43.5

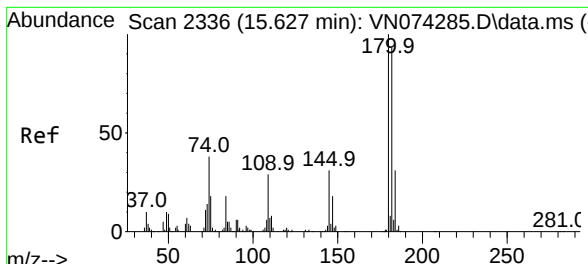


#95
 Naphthalene
 Concen: 1.437 ug/l
 RT: 15.439 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN074291.D
 Acq: 02 Sep 2022 17:25



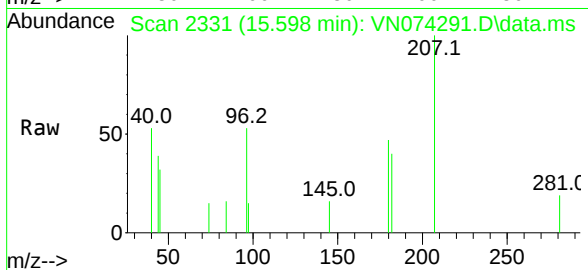
Tgt Ion:128 Resp: 11307
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.3 15.5
 129 12.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.554 ug/l
 RT: 15.598 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: VN074291.D
 Acq: 02 Sep 2022 17:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180	Resp:	611
Ion	Ratio	Lower Upper
180	100	
182	94.8	47.8 143.3
145	23.9	15.5 46.5

