

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074330.D
 Acq On : 03 Sep 2022 20:35
 Operator : JC\MD
 Sample : N4281-02 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20220818

Quant Time: Sep 05 05:40:15 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)

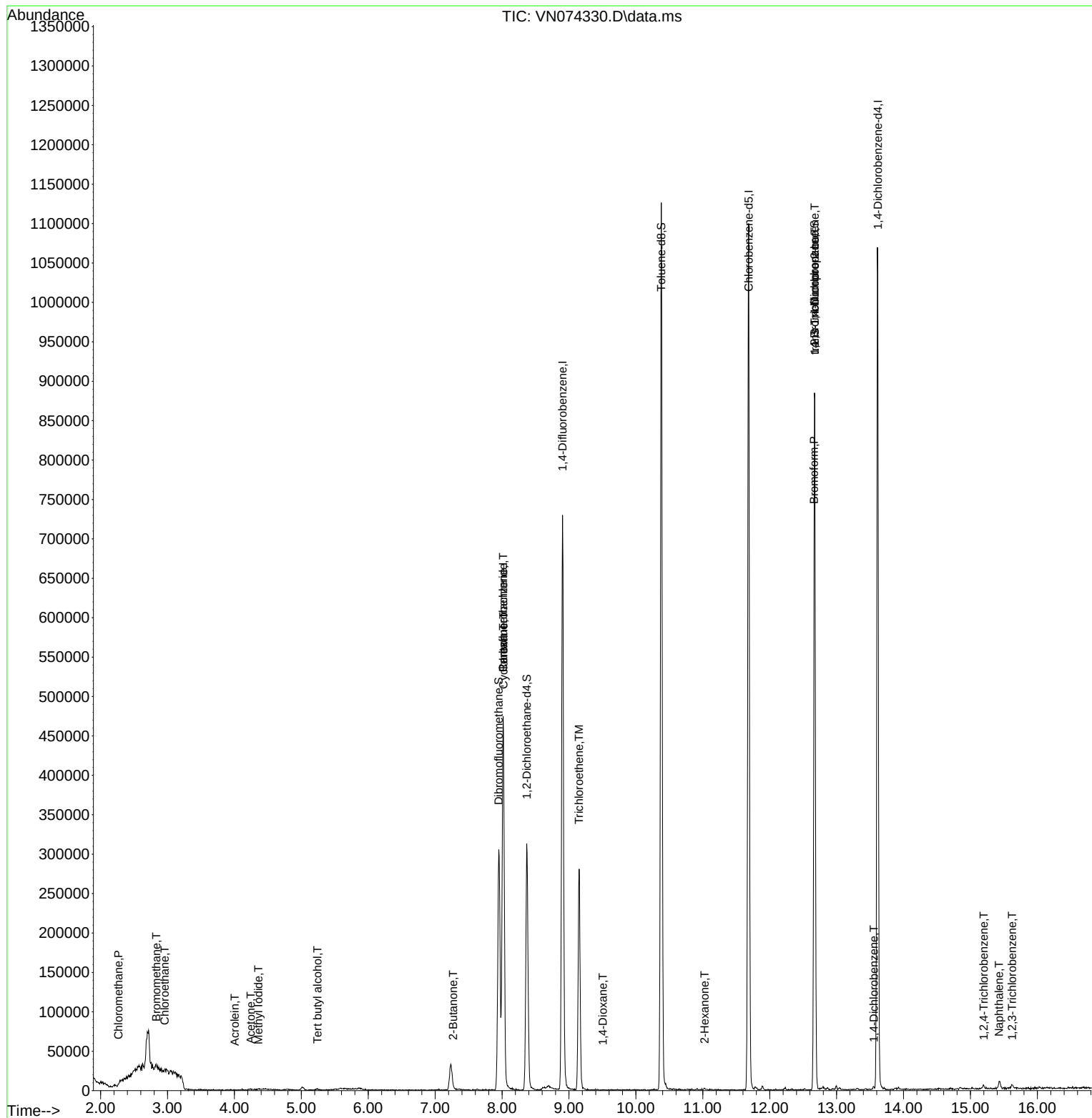
Internal Standards						
1) Pentafluorobenzene	8.016	168	343529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	630179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	592202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	269877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	250405	46.761	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.520%
35) Dibromofluoromethane	7.951	113	219839	52.645	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.280%
50) Toluene-d8	10.380	98	751042	45.611	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.669	95	279719	46.627	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1198	0.255	ug/l #	88
5) Bromomethane	2.834	94	4755	0.810	ug/l	96
6) Chloroethane	2.957	64	2270	0.330	ug/l #	42
10) Methyl Iodide	4.357	142	697	5.279	ug/l #	76
11) Tert butyl alcohol	5.240	59	842	0.867	ug/l #	72
13) Acrolein	4.004	56	240	0.367	ug/l #	16
16) Acetone	4.246	43	3221	1.439	ug/l #	67
25) 2-Butanone	7.269	43	1015	0.269	ug/l #	45
31) Cyclohexane	8.022	56	9719	1.359	ug/l #	52
38) Carbon Tetrachloride	8.016	117	36679	6.126	ug/l #	18
44) Trichloroethene	9.151	130	94967	21.343	ug/l	87
49) 1,4-Dioxane	9.504	88	99	0.777	ug/l #	2
59) 2-Hexanone	11.027	43	1841	0.309	ug/l #	55
71) Bromoform	12.663	173	2538	0.729	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	156441	20.467	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	156441	66.442	ug/l #	10
88) 1,4-Dichlorobenzene	13.557	146	1357	0.307	ug/l	74
93) 1,2,4-Trichlorobenzene	15.198	180	1962	1.241	ug/l	94
95) Naphthalene	15.427	128	9625	1.249	ug/l	97
96) 1,2,3-Trichlorobenzene	15.621	180	1863	0.777	ug/l	90

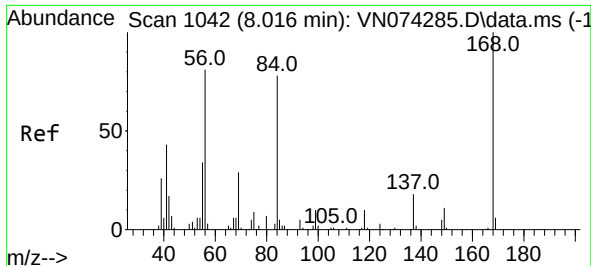
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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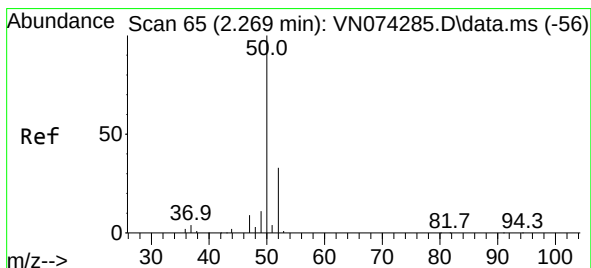
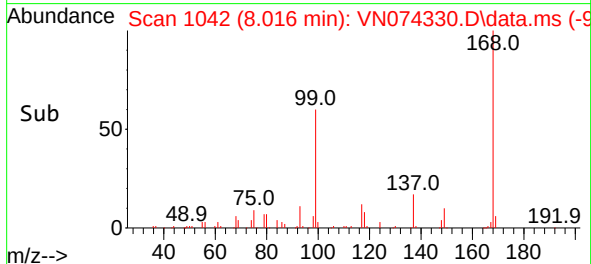
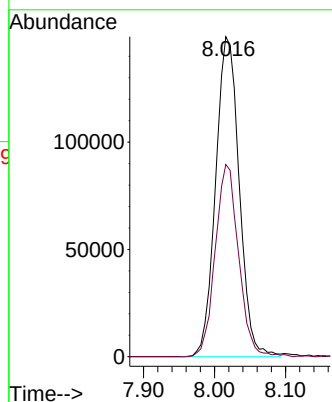
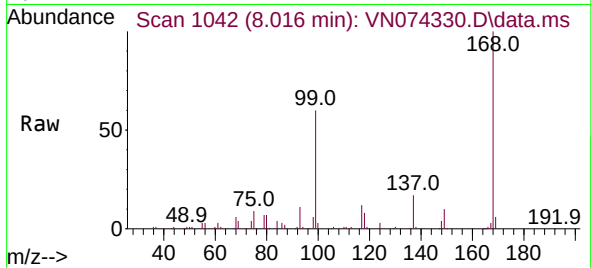




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

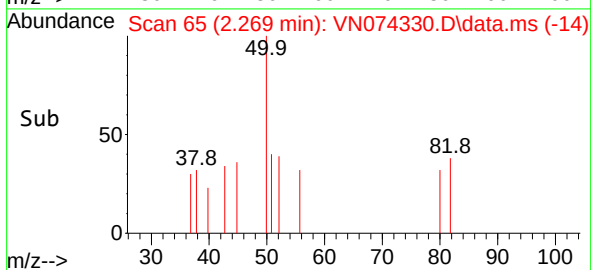
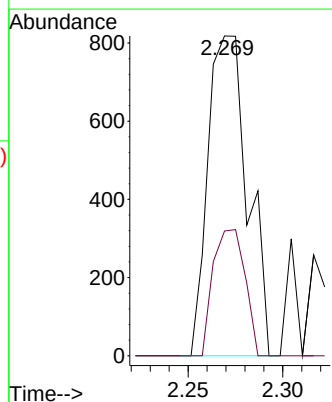
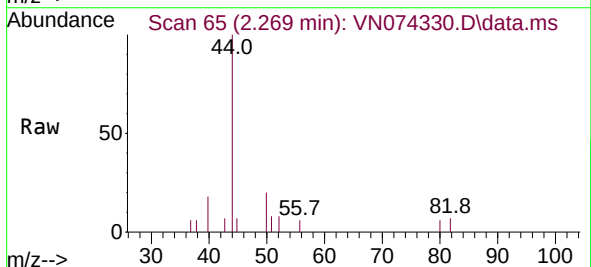
Instrument :
MSVOA_N
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RE122D2-20220818

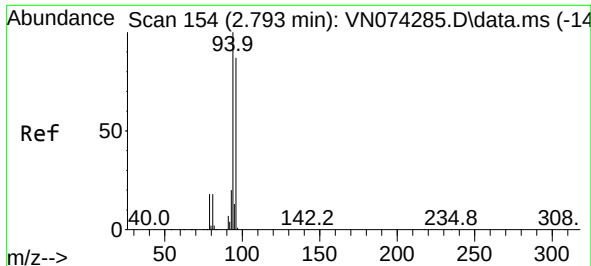
Tgt Ion:168 Resp: 343529
Ion Ratio Lower Upper
168 100
99 60.0 42.3 63.5



#3
Chloromethane
Concen: 0.255 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion: 50 Resp: 1198
Ion Ratio Lower Upper
50 100
52 39.0 25.7 38.5#

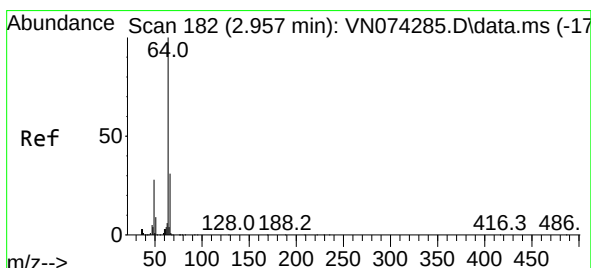
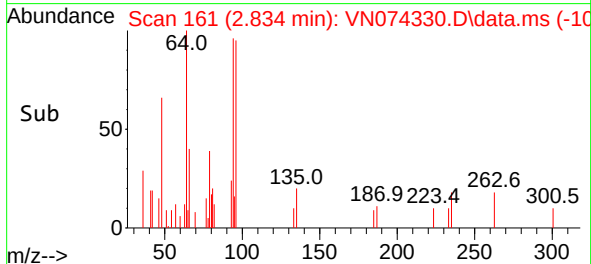
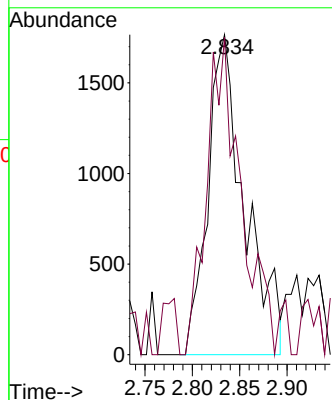
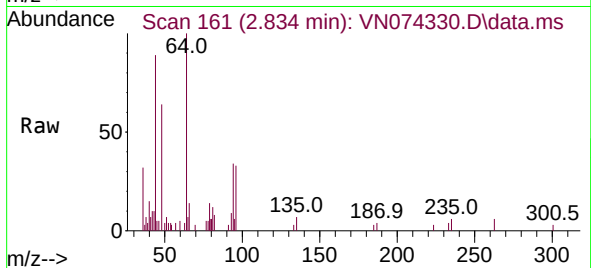




#5
Bromomethane
Concen: 0.810 ug/l
RT: 2.834 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

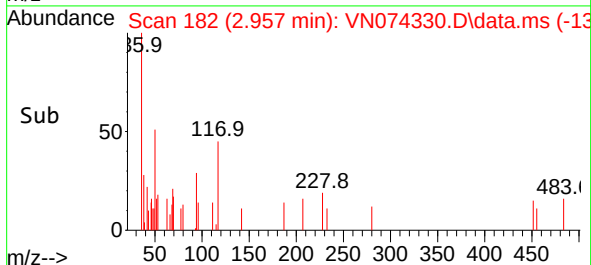
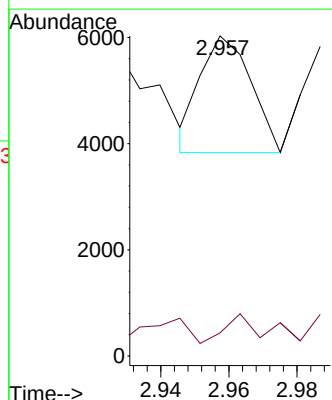
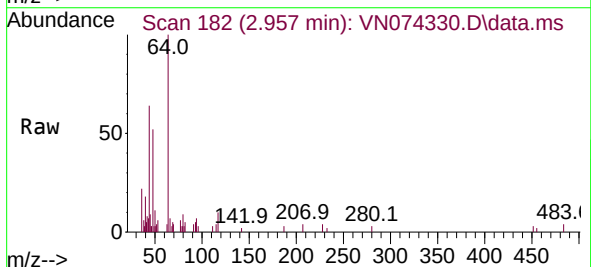
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

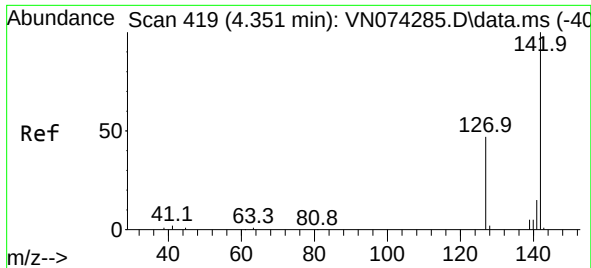
Tgt Ion: 94 Resp: 4755
Ion Ratio Lower Upper
94 100
96 99.2 76.0 114.0



#6
Chloroethane
Concen: 0.330 ug/l
RT: 2.957 min Scan# 182
Delta R.T. 0.006 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion: 64 Resp: 2270
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

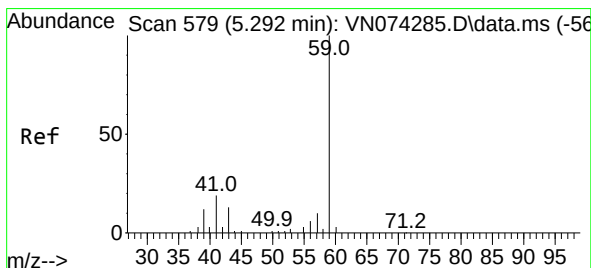
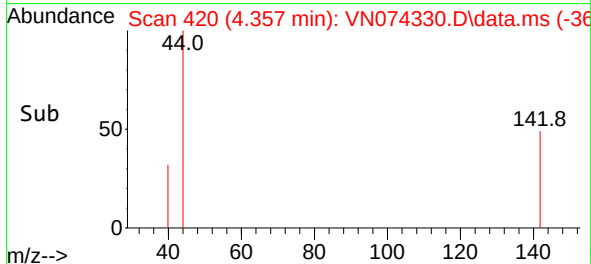
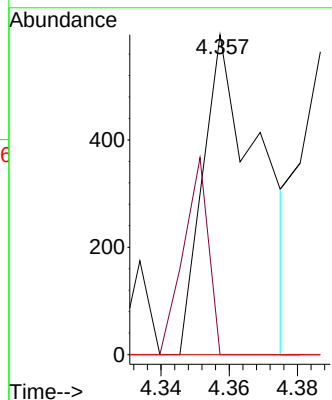
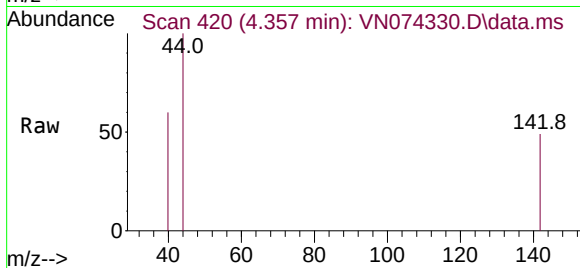




#10
Methyl Iodide
Concen: 5.279 ug/l
RT: 4.357 min Scan# 419
Delta R.T. 0.011 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

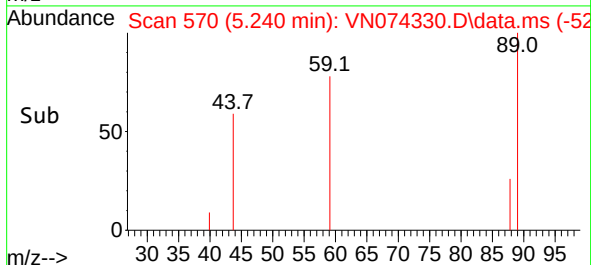
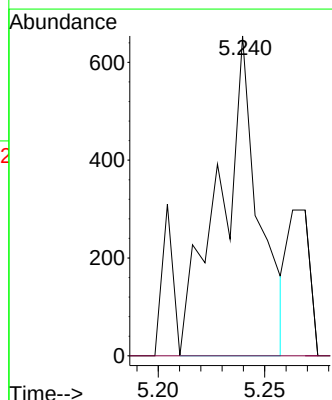
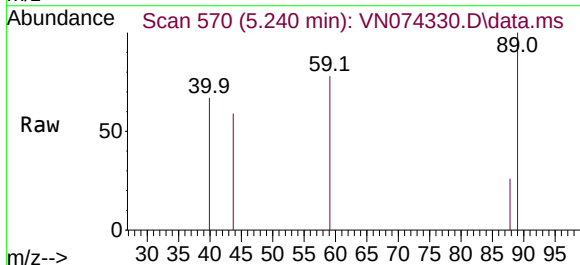
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

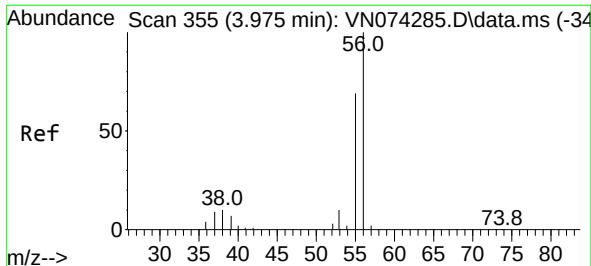
Tgt Ion:142 Resp: 697
Ion Ratio Lower Upper
142 100
127 26.7 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.867 ug/l
RT: 5.240 min Scan# 570
Delta R.T. -0.047 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion: 59 Resp: 842
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.367 ug/l

RT: 4.004 min Scan# 30

Delta R.T. 0.029 min

Lab File: VN074330.D

Acq: 03 Sep 2022 20:35

Instrument :

MSVOA_N

ClientSampleId :

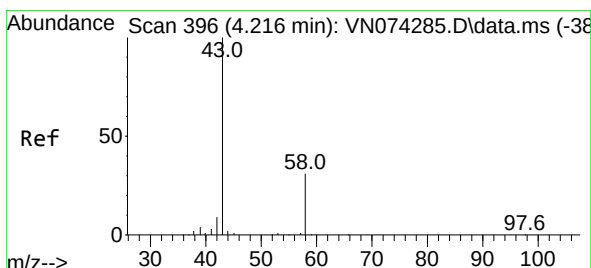
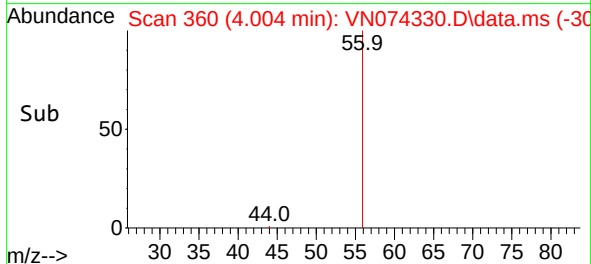
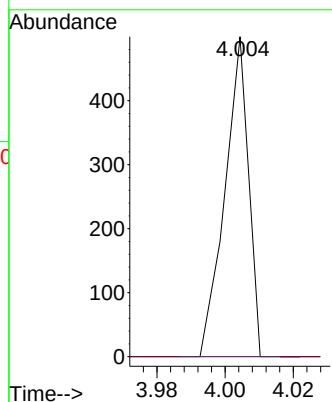
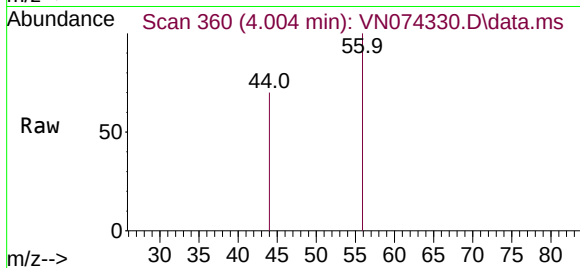
RE122D2-20220818

Tgt Ion: 56 Resp: 240

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#16

Acetone

Concen: 1.439 ug/l

RT: 4.246 min Scan# 401

Delta R.T. 0.024 min

Lab File: VN074330.D

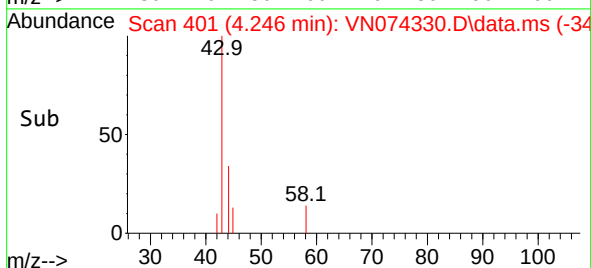
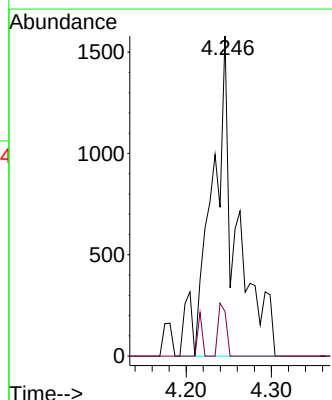
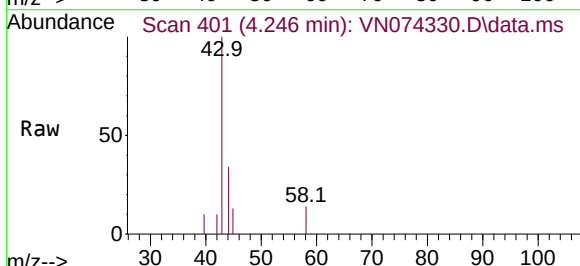
Acq: 03 Sep 2022 20:35

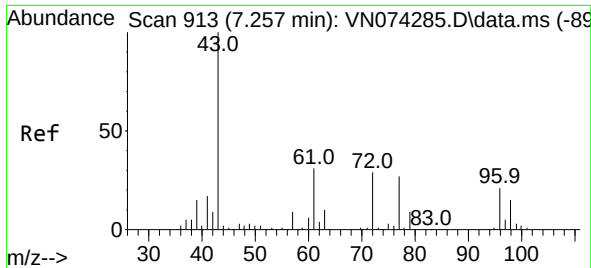
Tgt Ion: 43 Resp: 3221

Ion Ratio Lower Upper

43 100

58 13.9 26.0 39.0#

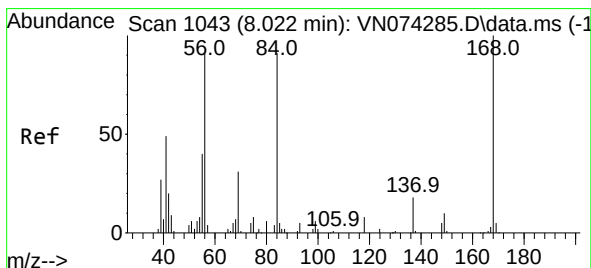
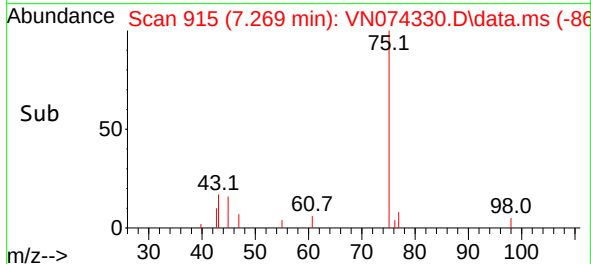
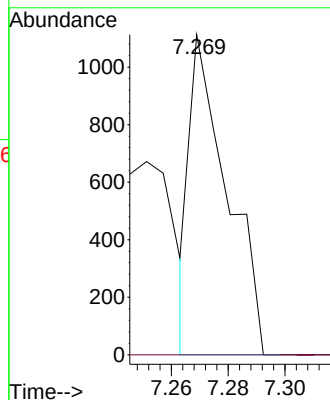
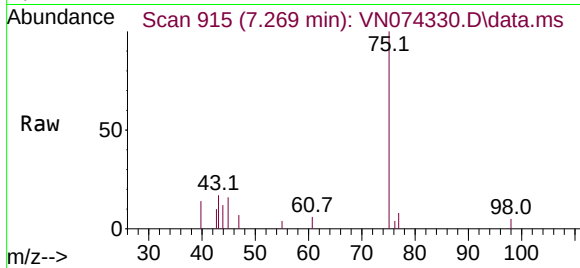




#25
2-Butanone
Concen: 0.269 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

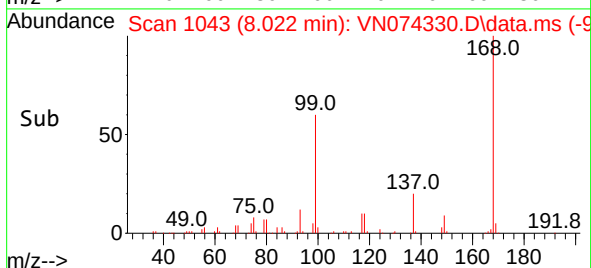
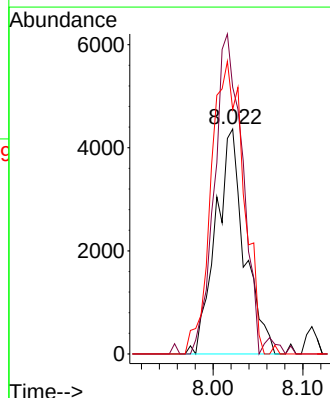
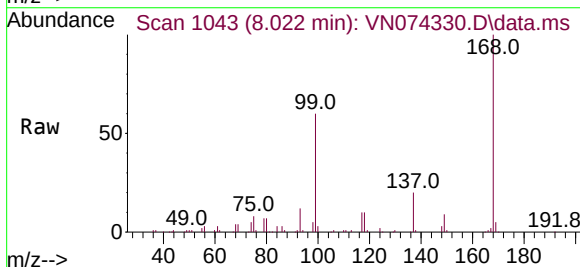
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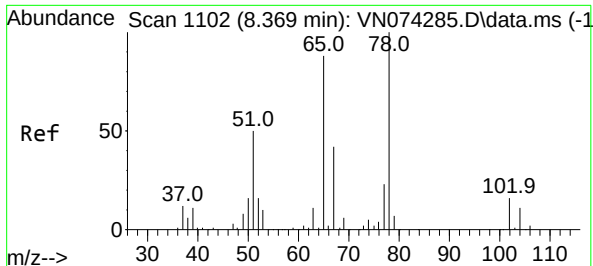
Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.359 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion: 56 Resp: 9719
Ion Ratio Lower Upper
56 100
69 118.6 27.8 41.8#
84 108.6 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 46.761 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074330.D

Acq: 03 Sep 2022 20:35

Instrument :

MSVOA_N

ClientSampleId :

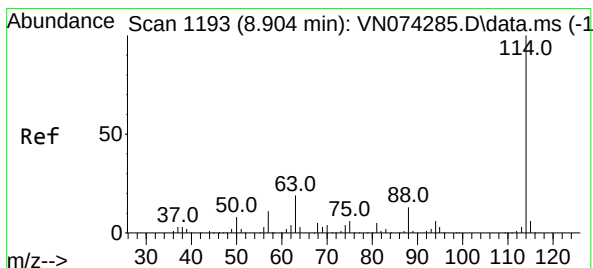
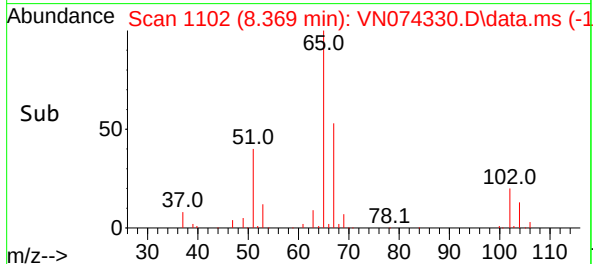
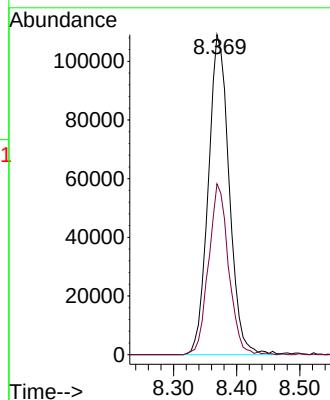
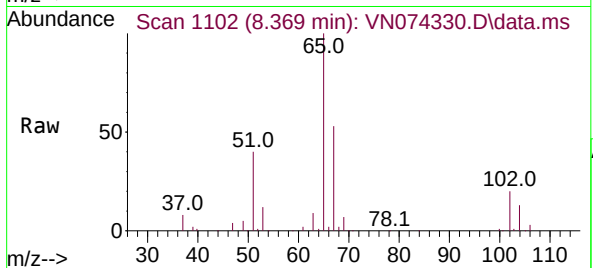
RE122D2-20220818

Tgt Ion: 65 Resp: 250405

Ion Ratio Lower Upper

65 100

67 51.3 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: VN074330.D

Acq: 03 Sep 2022 20:35

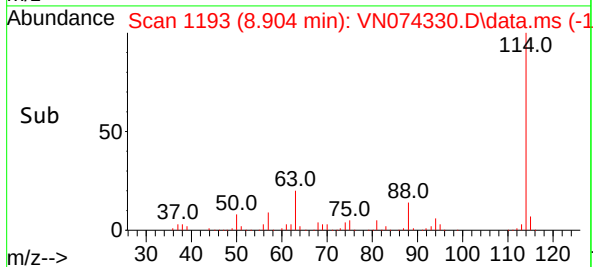
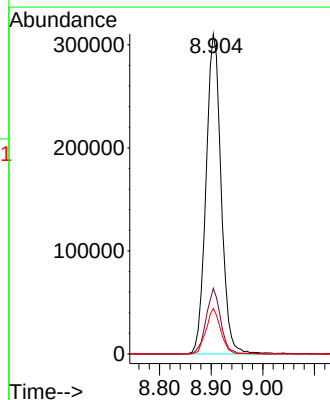
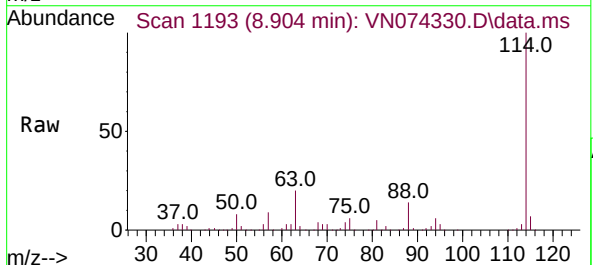
Tgt Ion: 114 Resp: 630179

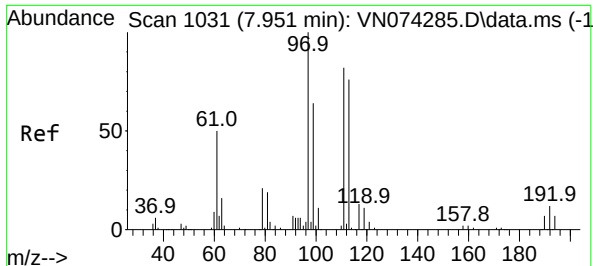
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 14.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.645 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074330.D

Acq: 03 Sep 2022 20:35

Instrument :

MSVOA_N

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RE122D2-20220818

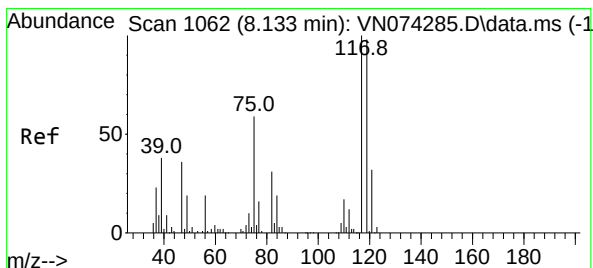
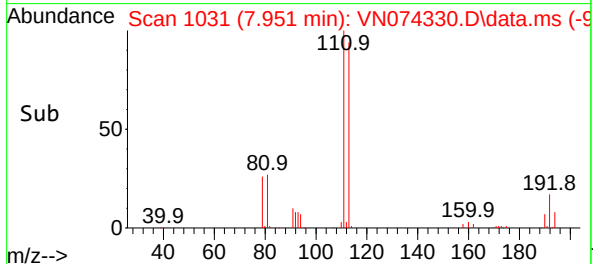
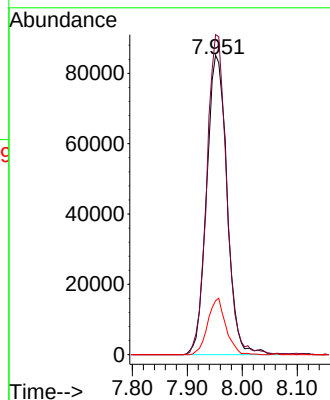
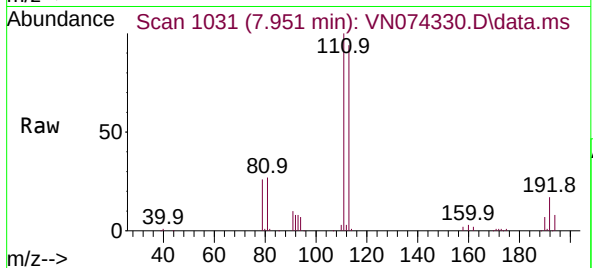
Tgt Ion:113 Resp: 219839

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 16.8 17.0 25.6#



#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074330.D

Acq: 03 Sep 2022 20:35

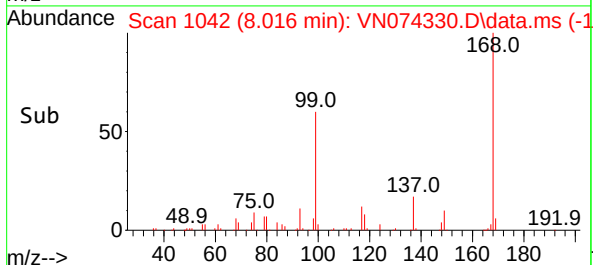
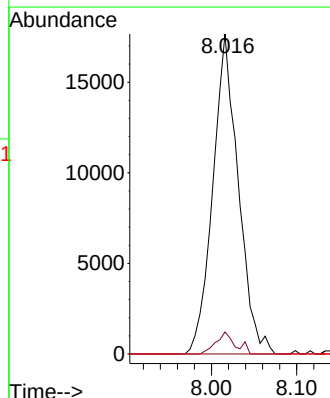
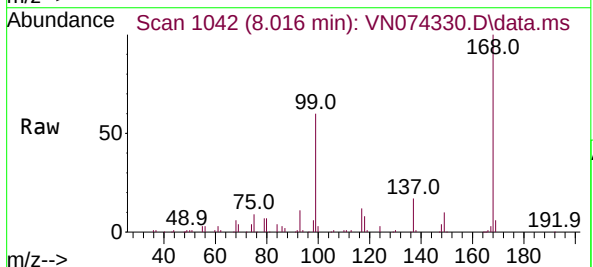
Tgt Ion:117 Resp: 36679

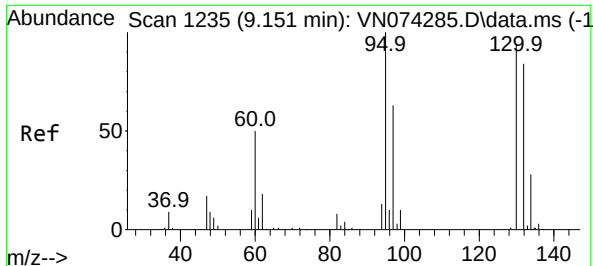
Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.8#

121 0.0 24.6 37.0#

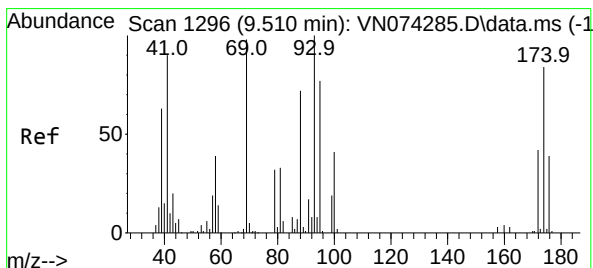
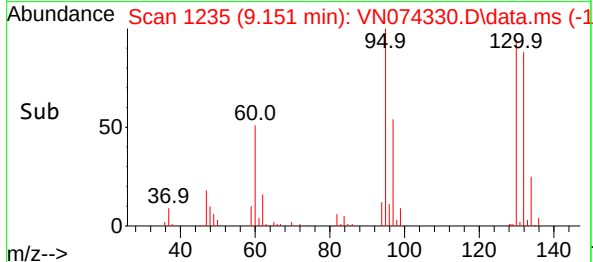
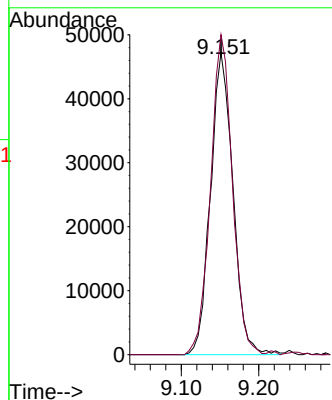
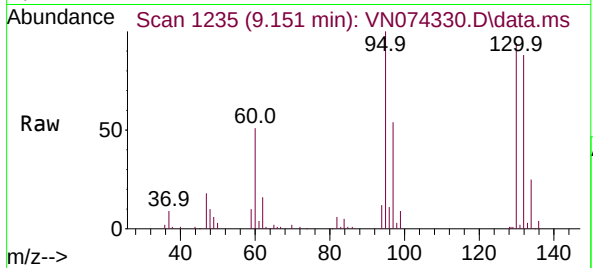




#44
Trichloroethene
Concen: 21.343 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

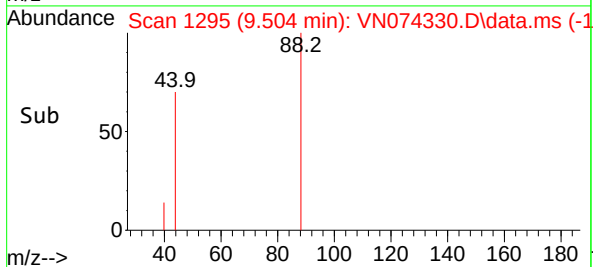
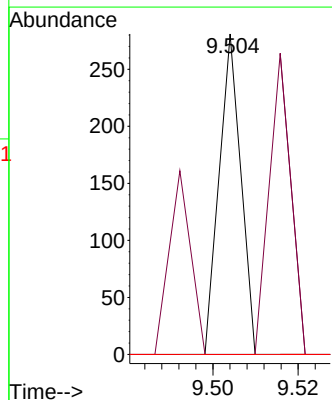
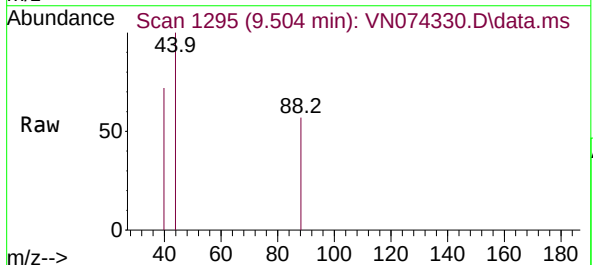
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

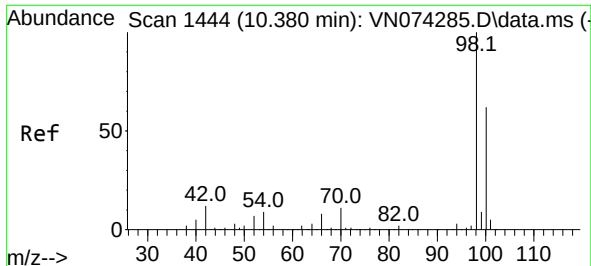
Tgt Ion:130 Resp: 94967
Ion Ratio Lower Upper
130 100
95 106.0 0.0 186.8



#49
1,4-Dioxane
Concen: 0.777 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 93.9 20.2 30.4#
58 0.0 54.2 81.4#

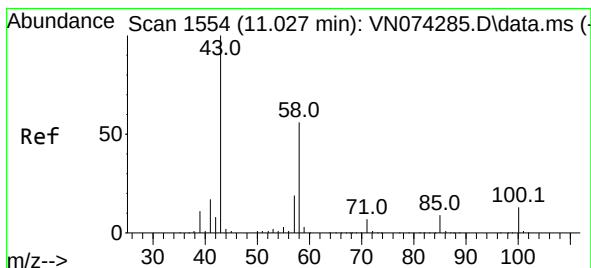
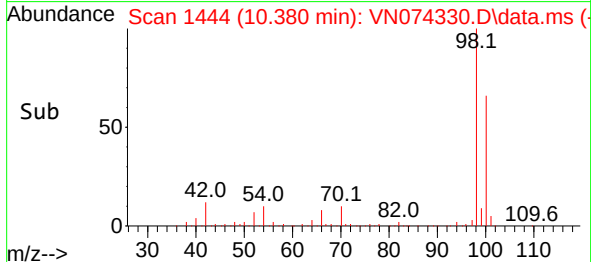
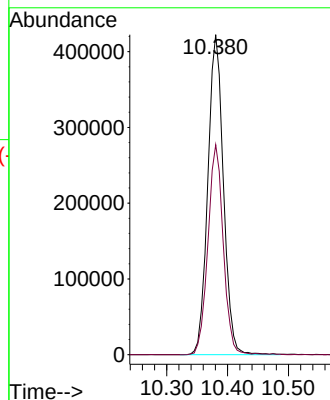
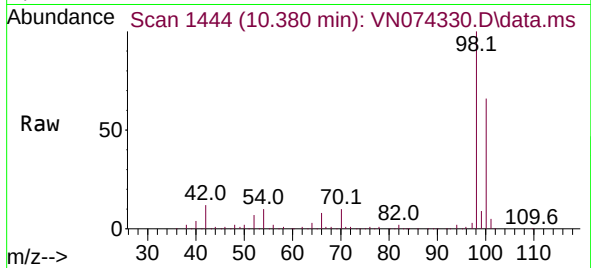




#50
Toluene-d8
Concen: 45.611 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

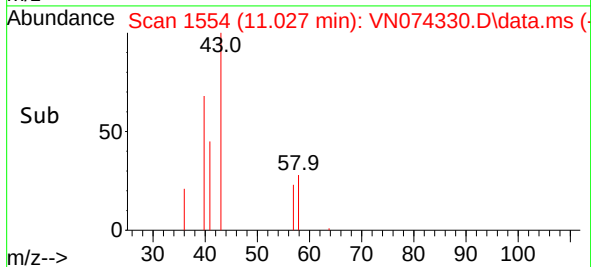
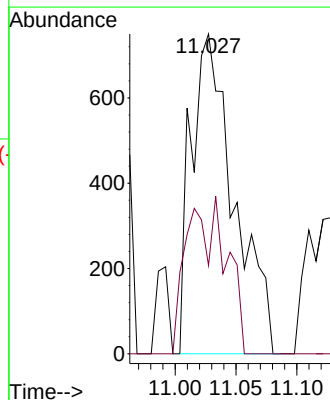
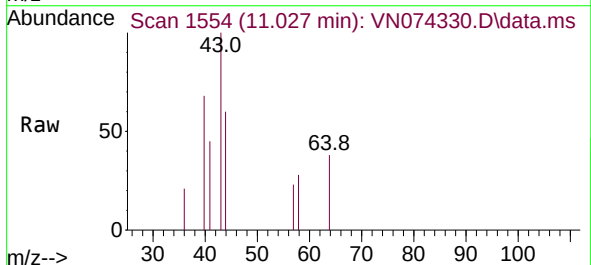
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

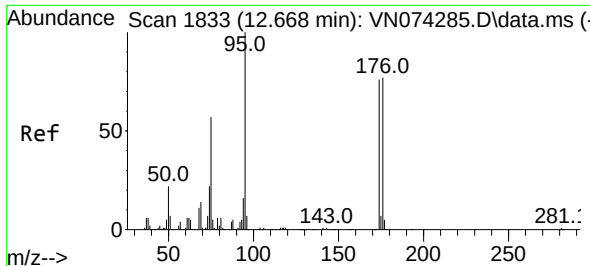
Tgt Ion: 98 Resp: 751042
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#59
2-Hexanone
Concen: 0.309 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
58 25.5 29.7 89.1#

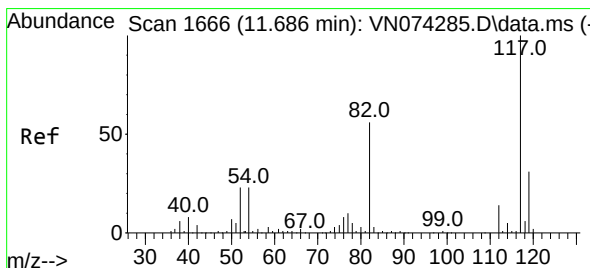
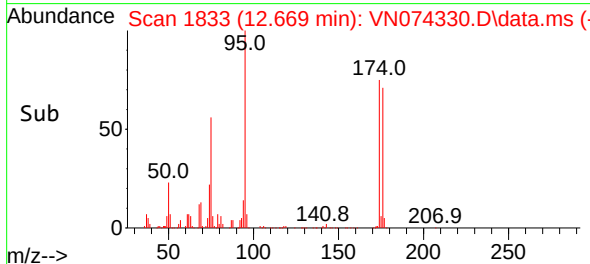
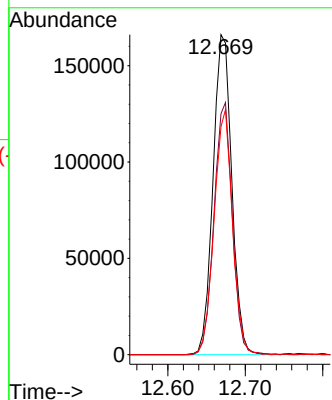
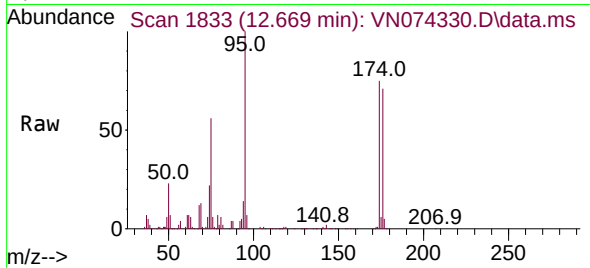




#62
4-Bromofluorobenzene
Concen: 46.627 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

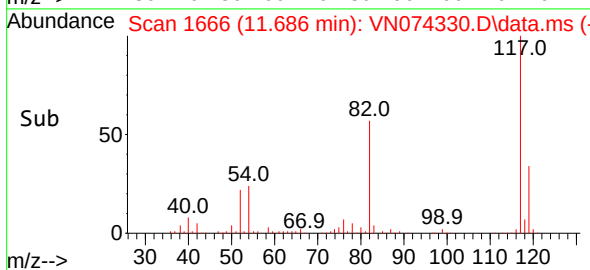
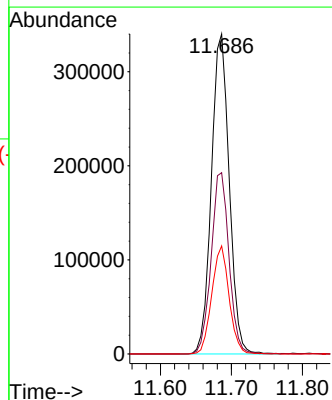
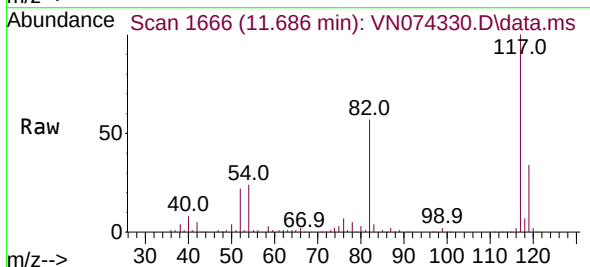
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

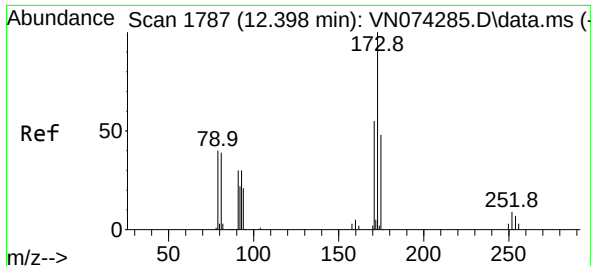
Tgt Ion: 95 Resp: 279719
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 74.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion: 117 Resp: 592202
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.2
119 33.8 25.4 38.0

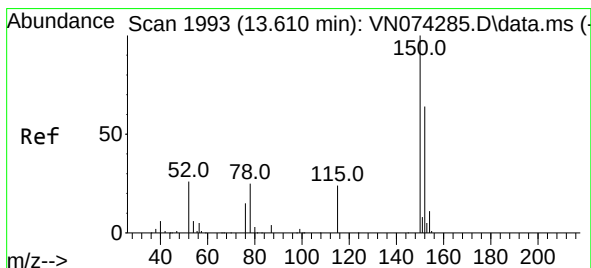
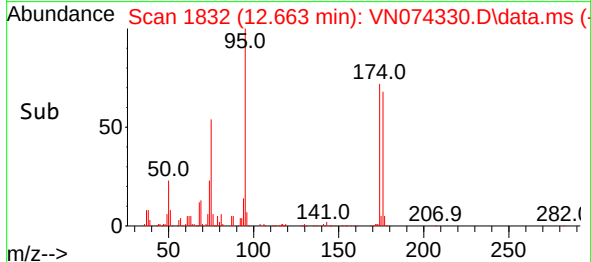
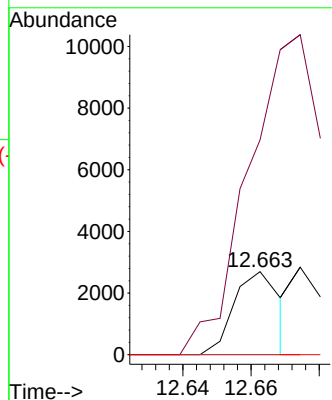
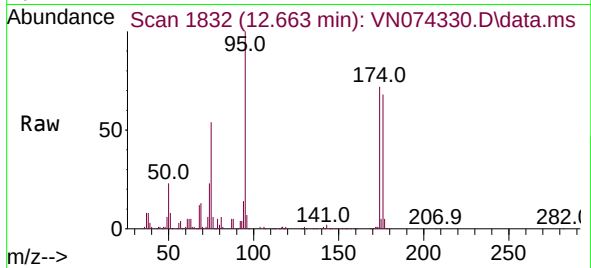




#71
Bromoform
Concen: 0.729 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

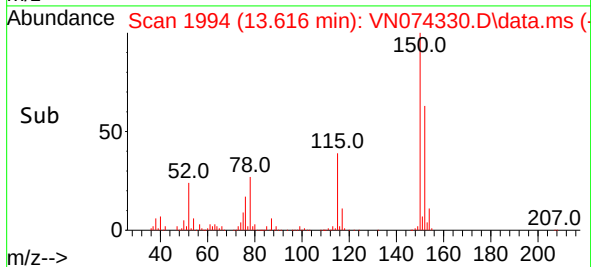
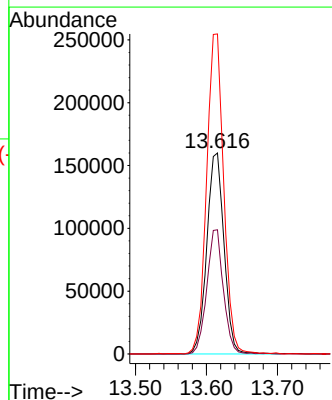
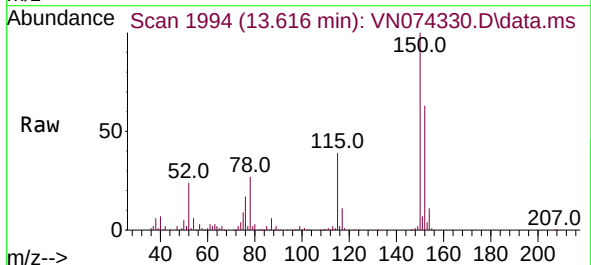
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

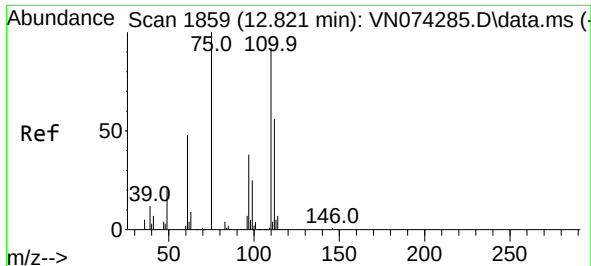
Tgt Ion:173 Resp: 2538
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion:152 Resp: 269877
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.7
150 158.2 0.0 356.2

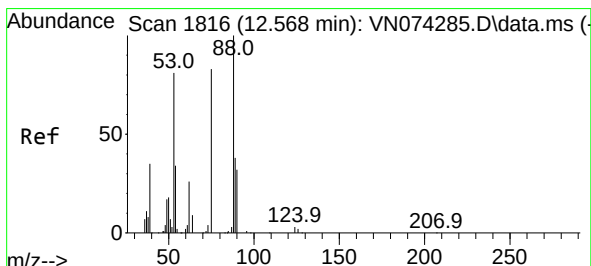
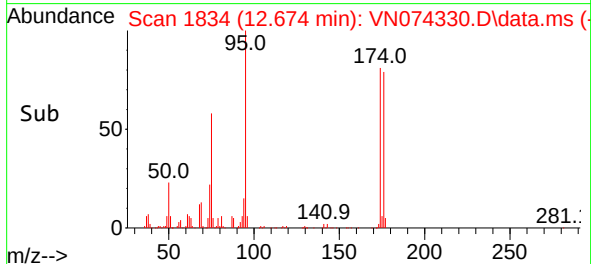
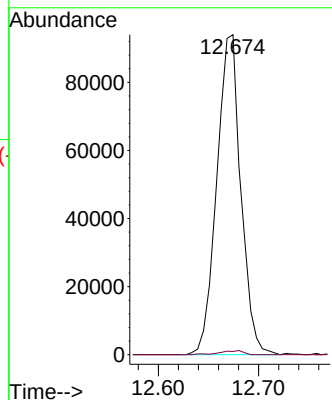
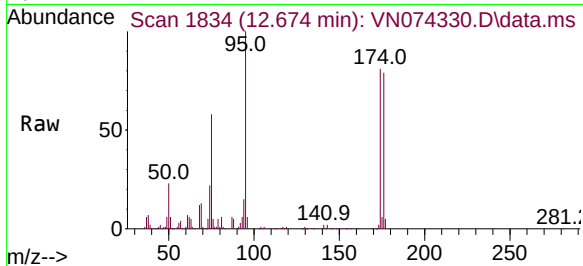




#76
1,2,3-Trichloropropane
Concen: 20.467 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

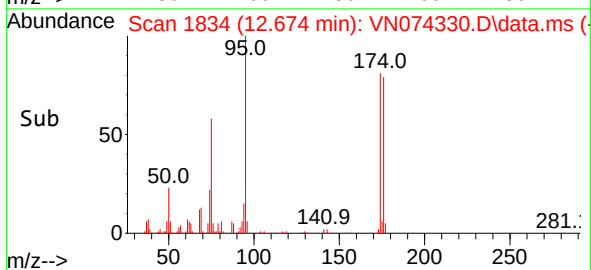
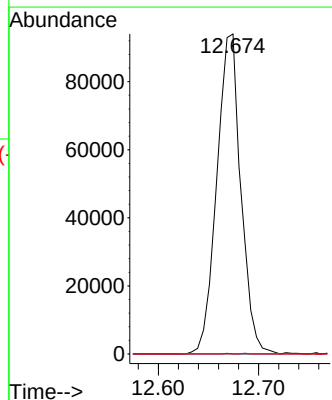
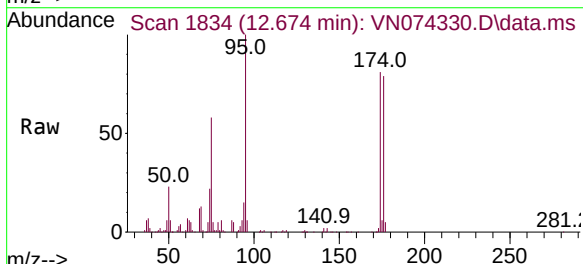
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

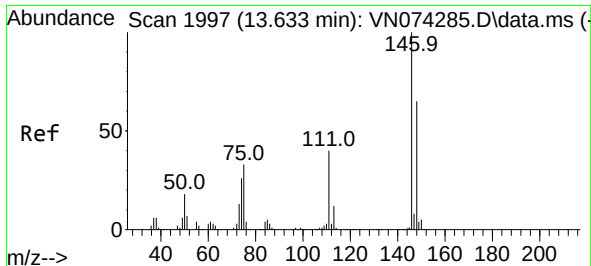
Tgt Ion: 75 Resp: 156441
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.442 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

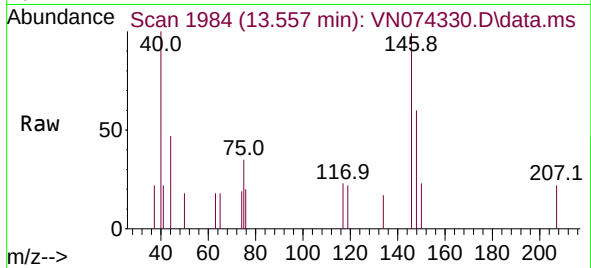
Tgt Ion: 75 Resp: 156441
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



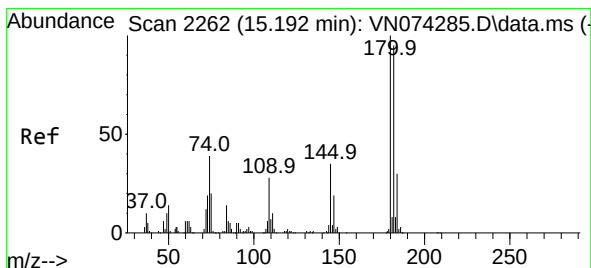
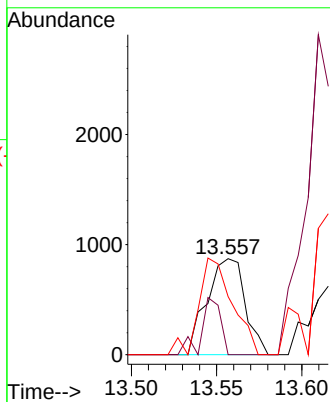
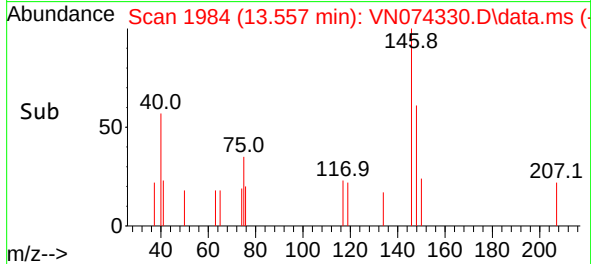


#88
1,4-Dichlorobenzene
Concen: 0.307 ug/l
RT: 13.557 min Scan# 1997
Delta R.T. -0.076 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Instrument :
MSVOA_N
ClientSampleId :
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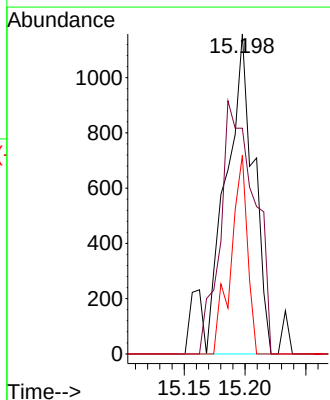
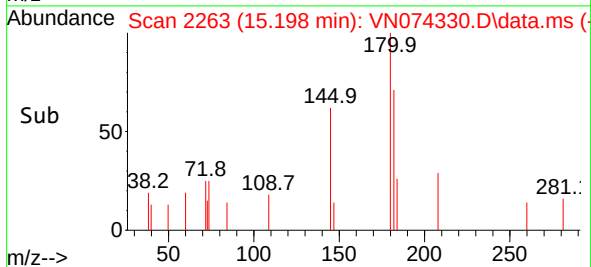
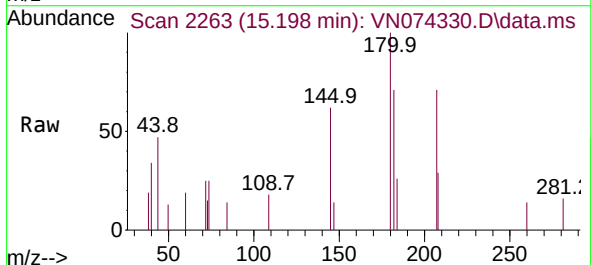


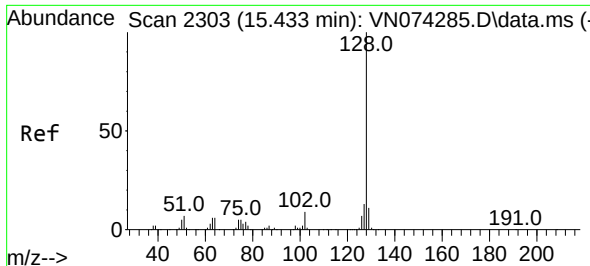
Tgt Ion:146 Resp: 1357
Ion Ratio Lower Upper
146 100
111 29.5 19.1 57.1
148 88.9 31.4 94.3



#93
1,2,4-Trichlorobenzene
Concen: 1.241 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion:180 Resp: 1962
Ion Ratio Lower Upper
180 100
182 90.6 47.5 142.5
145 34.7 14.5 43.5

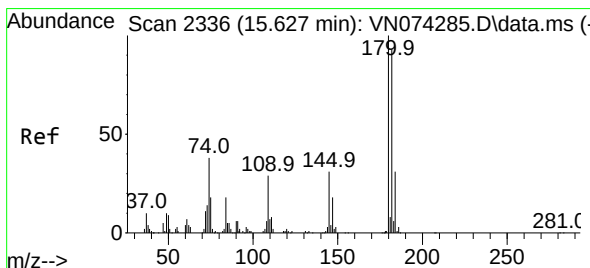
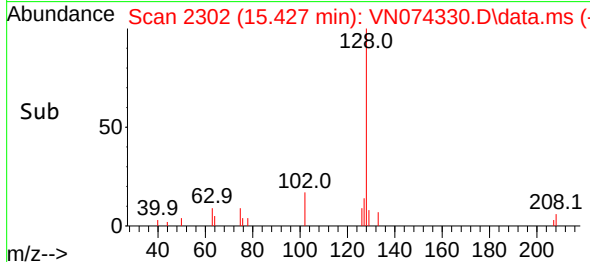
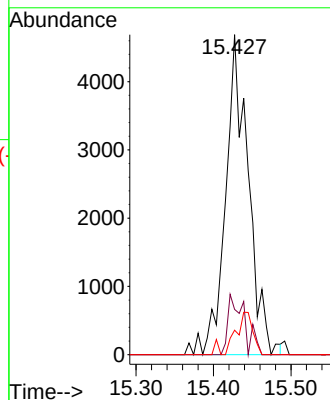
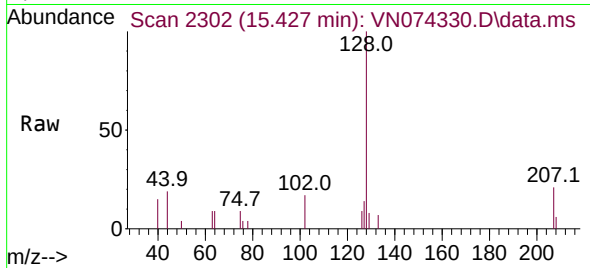




#95
Naphthalene
Concen: 1.249 ug/l
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20220818

Tgt Ion:128	Resp:	9625
Ion Ratio	Lower	Upper
128	100	
127	13.7	10.3 15.5
129	9.6	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.777 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074330.D
Acq: 03 Sep 2022 20:35

Tgt Ion:180	Resp:	1863
Ion Ratio	Lower	Upper
180	100	
182	107.6	47.8 143.3
145	30.3	15.5 46.5

