

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073864.D
 Acq On : 12 Aug 2022 20:20
 Operator : JC\MD
 Sample : N4156-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 11261

Quant Time: Aug 13 05:05:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	645011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	950155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.692	117	1068846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	622399	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	310423	39.491	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	78.980%
35) Dibromofluoromethane	7.951	113	303160	50.811	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.620%
50) Toluene-d8	10.398	98	1110122	47.283	ug/l	0.02
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.560%
62) 4-Bromofluorobenzene	12.686	95	525412	62.992	ug/l	0.01
Spiked Amount	50.000	Range	83 - 123	Recovery	=	125.980%#

Target Compounds				Qvalue		
3) Chloromethane	2.269	50	2771	Below Cal	#	84
6) Chloroethane	2.957	64	3177	Below Cal	#	76
10) Methyl Iodide	4.345	142	1602	0.253	ug/l #	89
11) Tert butyl alcohol	5.287	59	163520	96.459	ug/l	99
13) Acrolein	3.987	56	13376	7.959	ug/l	97
14) Allyl chloride	4.775	41	1640210	167.641	ug/l #	31
15) Acrylonitrile	5.481	53	5568	1.187	ug/l	97
16) Acetone	4.216	43	6497435	1538.967	ug/l	99
18) Methyl Acetate	4.516	43	986426	93.913	ug/l #	48
20) Methylene Chloride	5.010	84	31034	2.448	ug/l	93
25) 2-Butanone	7.257	43	1797106	274.092	ug/l	99
26) 2,2-Dichloropropane	7.234	77	2166	0.217	ug/l #	53
28) Bromochloromethane	7.610	49	17520	3.213	ug/l #	8
29) Tetrahydrofuran	7.610	42	8686165	2095.379	ug/l	95
31) Cyclohexane	8.016	56	11596	0.991	ug/l #	10
36) 1,1-Dichloropropene	8.016	75	40570	4.771	ug/l #	49
37) Ethyl Acetate	7.339	43	460228	41.096	ug/l	99
38) Carbon Tetrachloride	8.016	117	56454	6.537	ug/l #	16
39) Methylcyclohexane	9.392	83	9876	0.972	ug/l	99
41) Methacrylonitrile	7.604	41	4899329	966.811	ug/l #	35
43) Isopropyl Acetate	8.498	43	656956	43.432	ug/l #	74
48) Methyl methacrylate	9.498	41	3164231	477.902	ug/l	93
49) 1,4-Dioxane	9.522	88	2855	15.297	ug/l #	25
51) 4-Methyl-2-Pentanone	10.316	43	13780588	1270.213	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	35205	3.876	ug/l #	76
54) cis-1,3-Dichloropropene	10.216	75	72077	7.042	ug/l #	54
55) 1,1,2-Trichloroethane	10.822	97	103147	14.665	ug/l #	20
56) Ethyl methacrylate	10.727	69	22853	2.357	ug/l #	28
58) 2-Chloroethyl Vinyl ether	10.027	63	170	9.974	ug/l #	1
59) 2-Hexanone	11.033	43	556016	67.645	ug/l	68
64) Tetrachloroethene	10.916	164	13279	1.563	ug/l	95
65) Chlorobenzene	11.745	112	25770	1.135	ug/l #	79
66) 1,1,1,2-Tetrachloroethane	11.745	131	48894	6.004	ug/l #	57
68) m/p-Xylenes	11.792	106	14602261	999.597	ug/l #	1
70) Styrene	12.239	104	3369009	147.776	ug/l #	1
73) Isopropylbenzene	12.539	105	1399444	30.716	ug/l	99

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

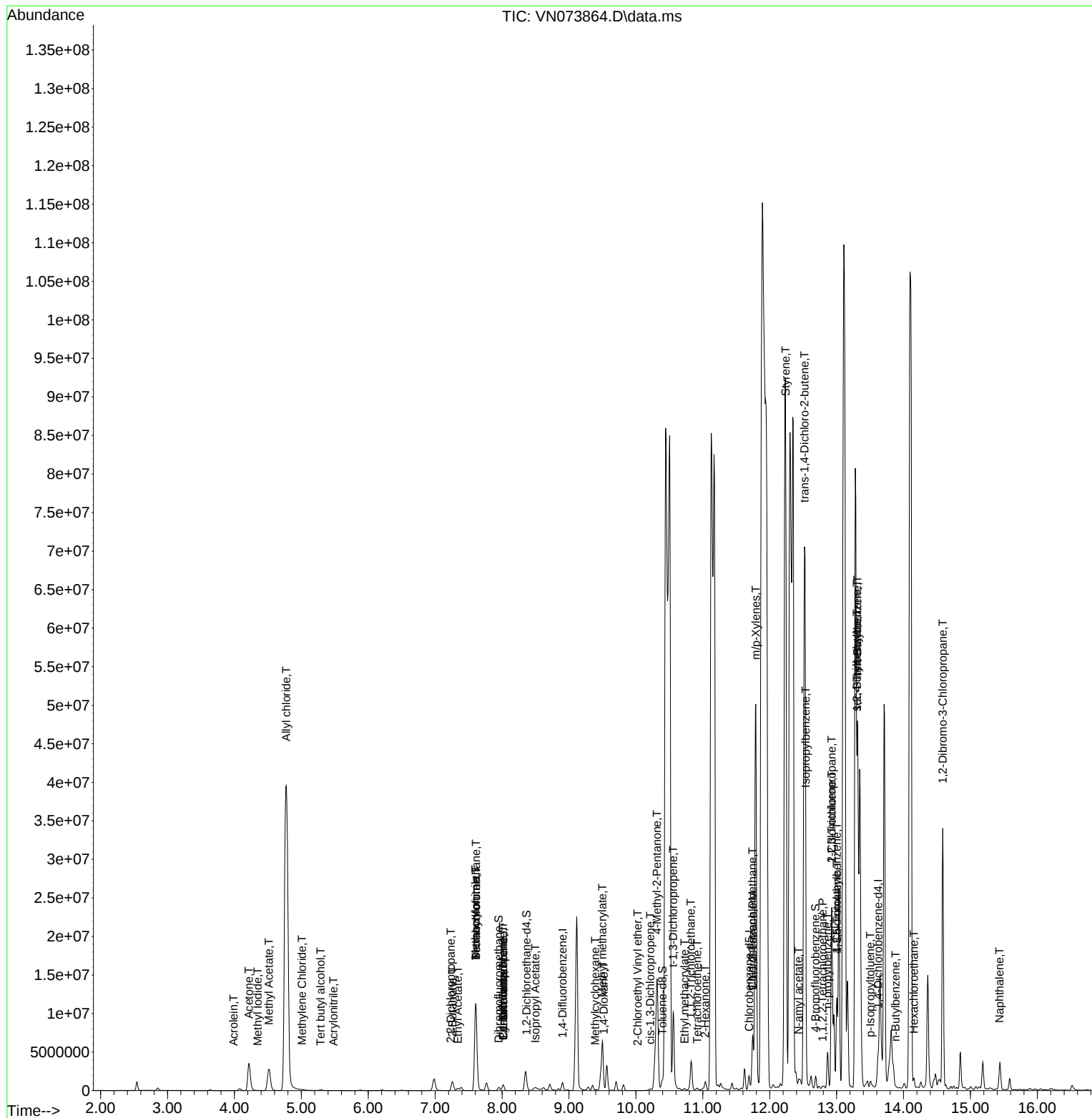
74) N-amyl acetate	12.433	43	288507	16.760	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.792	83	18094	1.029	ug/l #	25
76) 1,2,3-Trichloropropane	12.927	75	120650	7.865	ug/l #	1
78) n-propylbenzene	12.863	91	3850008	75.100	ug/l	98
79) 2-Chlorotoluene	12.927	91	1797723	56.186	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.004	105	6379971	170.159	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.521	75	6099734	1270.060	ug/l #	20
82) 4-Chlorotoluene	13.004	91	627360	20.688	ug/l #	40
83) tert-Butylbenzene	13.310	119	3843621	115.735	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.304	105	20131488	546.045	ug/l	67
85) sec-Butylbenzene	13.304	105	20131488	438.589	ug/l #	56
86) p-Isopropyltoluene	13.504	119	464174	12.828	ug/l	97
89) n-Butylbenzene	13.880	91	91650	3.113	ug/l #	78
90) Hexachloroethane	14.157	117	52041	7.249	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.586	75	216122	61.182	ug/l #	1
95) Naphthalene	15.433	128	1591703	45.007	ug/l	99

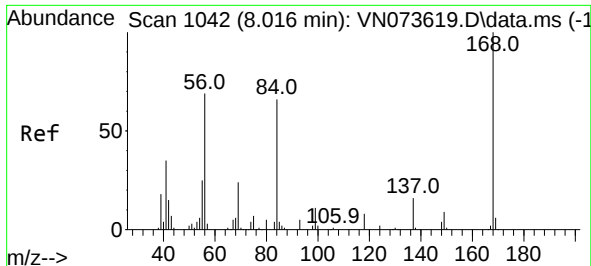
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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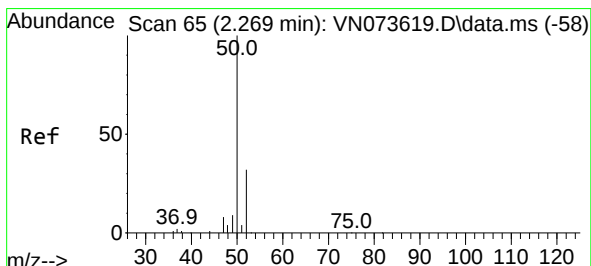
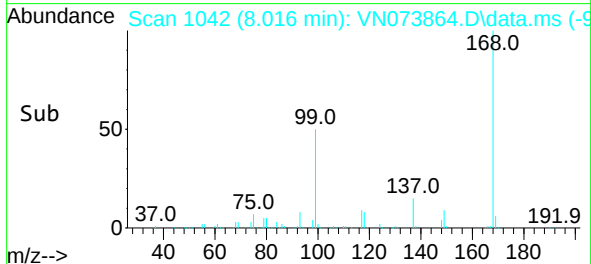
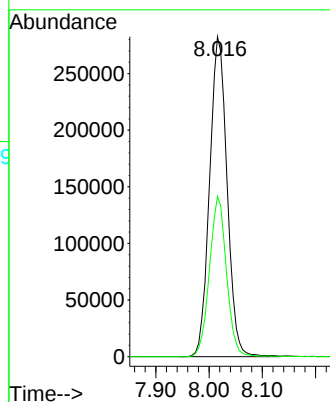
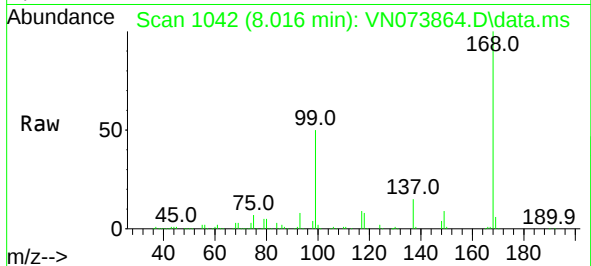




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

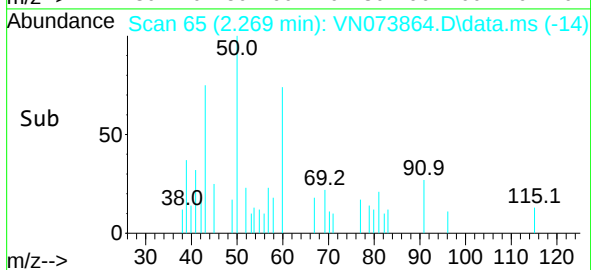
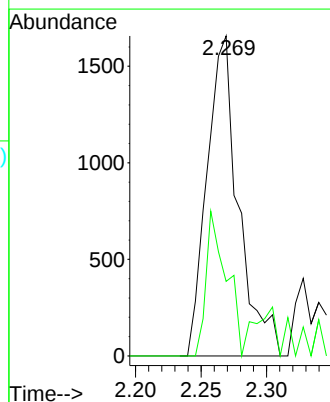
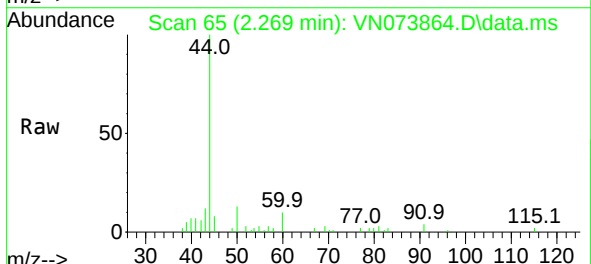
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MSVOA_N
ClientSampleId :
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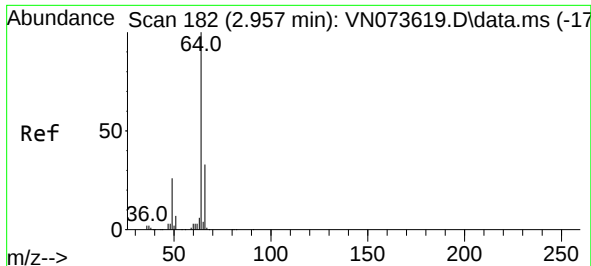
Tgt Ion:168 Resp: 645011
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 50 Resp: 2771
Ion Ratio Lower Upper
50 100
52 23.3 25.7 38.5#

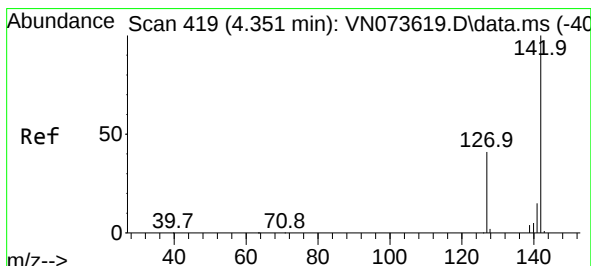
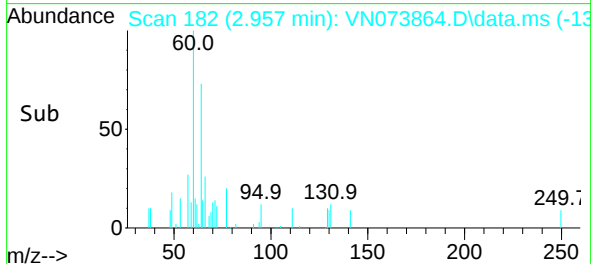
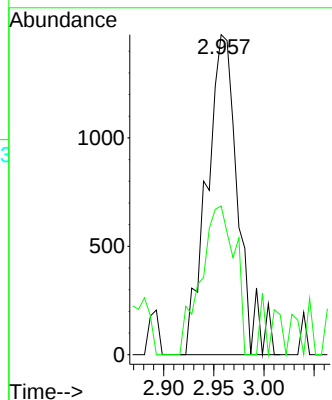
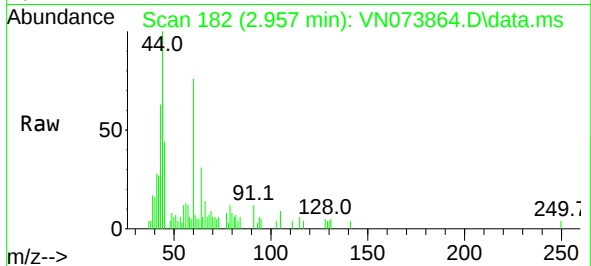




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

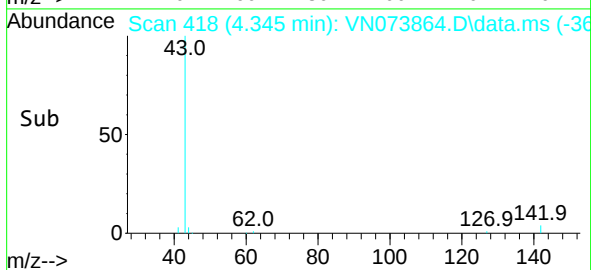
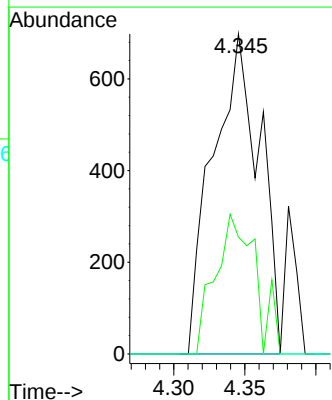
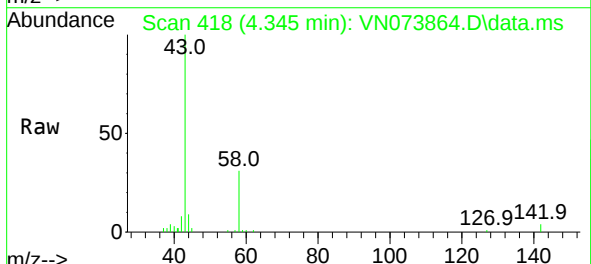
Instrument :
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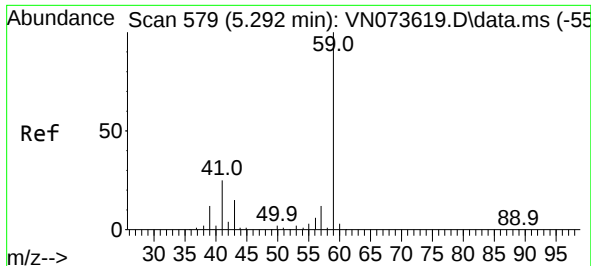
Tgt Ion: 64 Resp: 3177
Ion Ratio Lower Upper
64 100
66 46.5 26.2 39.4#



#10
Methyl Iodide
Concen: 0.253 ug/l
RT: 4.345 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 142 Resp: 1602
Ion Ratio Lower Upper
142 100
127 37.6 31.3 46.9
141 0.0 11.2 16.8#

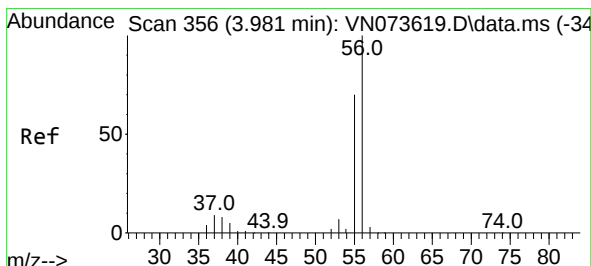
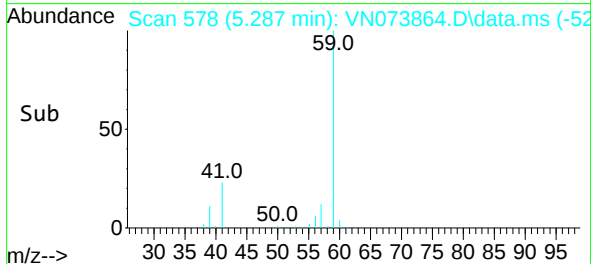
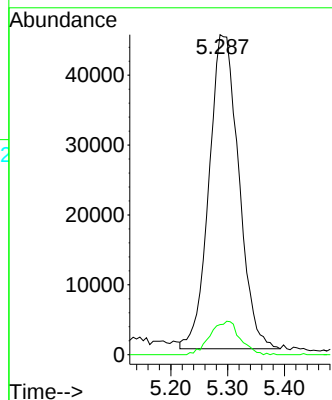
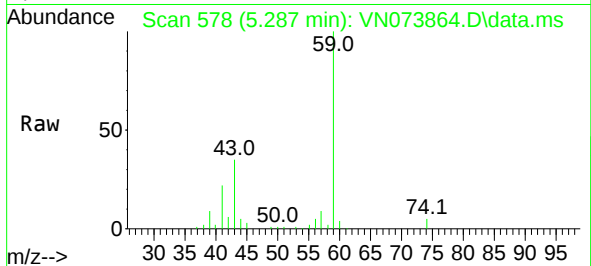




#11
Tert butyl alcohol
Concen: 96.459 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

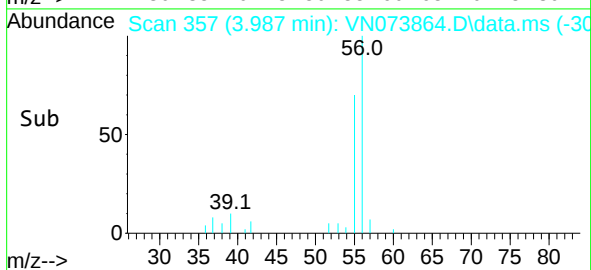
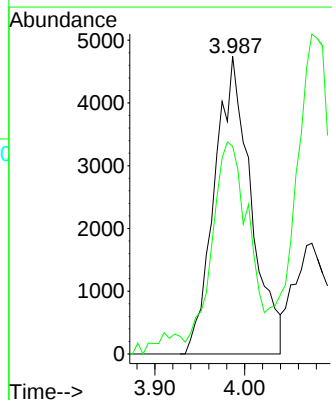
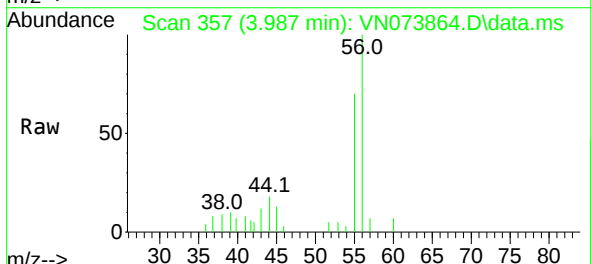
Instrument :
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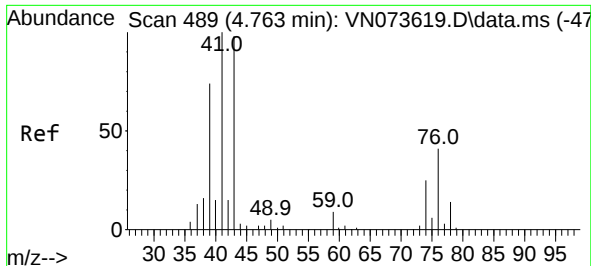
Tgt Ion: 59 Resp: 163520
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5



#13
Acrolein
Concen: 7.959 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 56 Resp: 13376
Ion Ratio Lower Upper
56 100
55 65.7 54.8 82.2

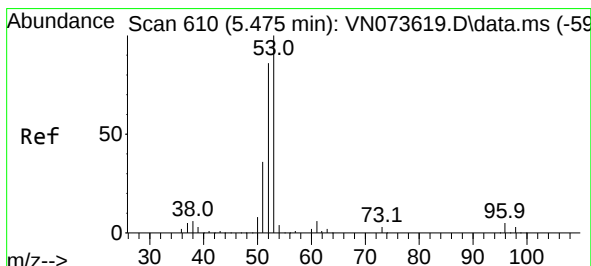
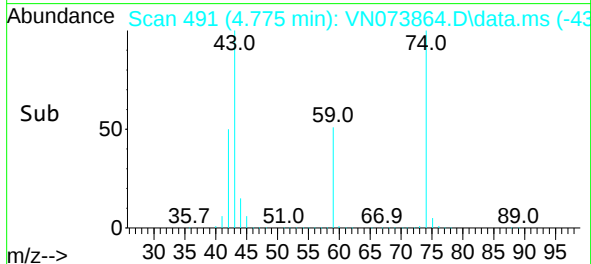
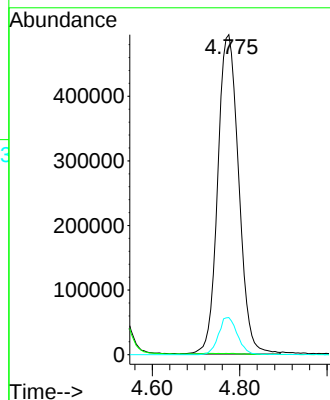
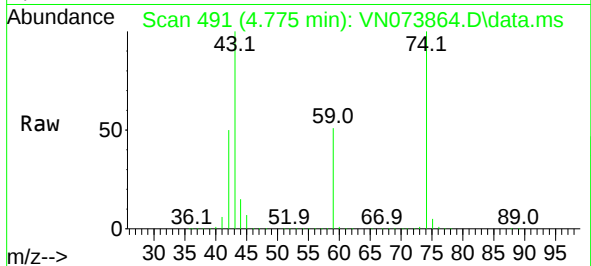




#14
 Allyl chloride
 Concen: 167.641 ug/l
 RT: 4.775 min Scan# 491
 Delta R.T. 0.012 min
 Lab File: VN073864.D
 Acq: 12 Aug 2022 20:20

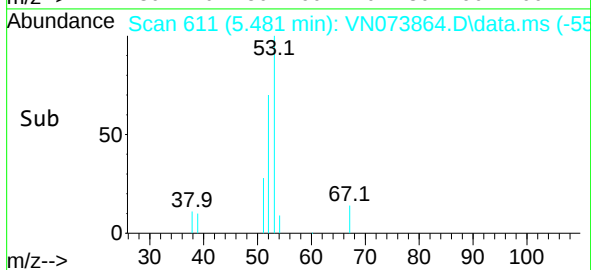
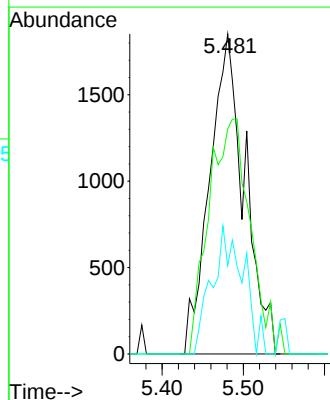
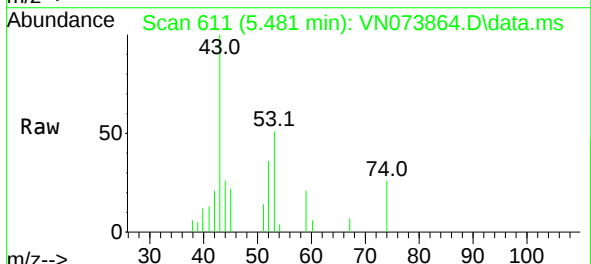
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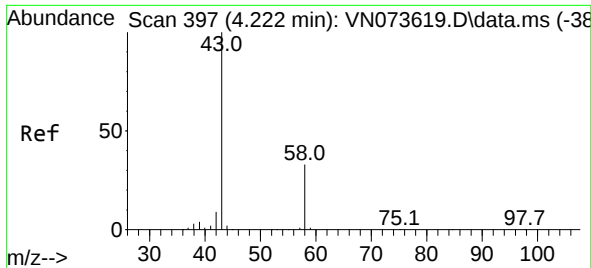
Tgt Ion: 41 Resp: 1640210
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.2 79.8#
 76 10.6 29.9 44.9#



#15
 Acrylonitrile
 Concen: 1.187 ug/l
 RT: 5.481 min Scan# 611
 Delta R.T. 0.006 min
 Lab File: VN073864.D
 Acq: 12 Aug 2022 20:20

Tgt Ion: 53 Resp: 5568
 Ion Ratio Lower Upper
 53 100
 52 86.6 66.4 99.6
 51 35.7 28.5 42.7

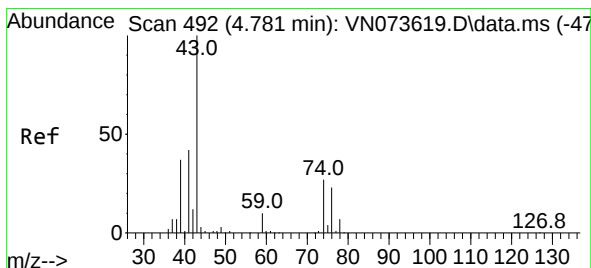
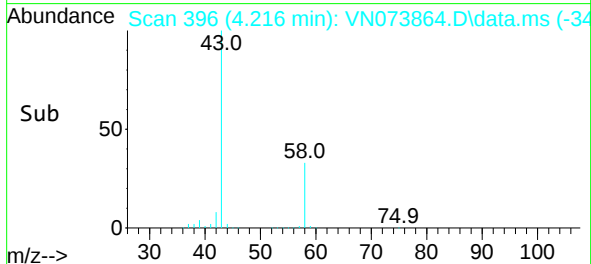
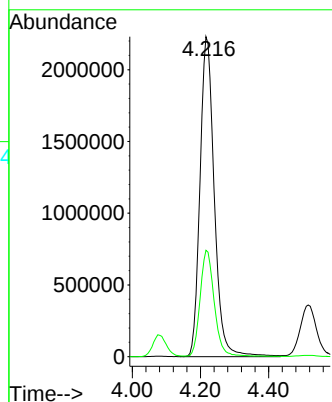
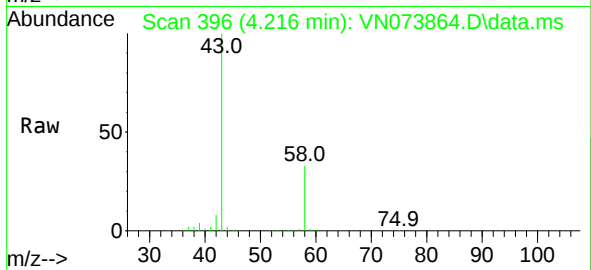




#16
Acetone
Concen: 1538.967 ug/l
RT: 4.216 min Scan# 397
Delta R.T. -0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

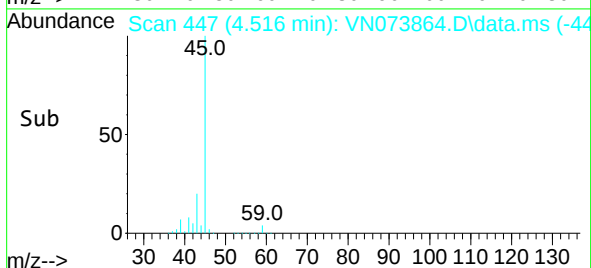
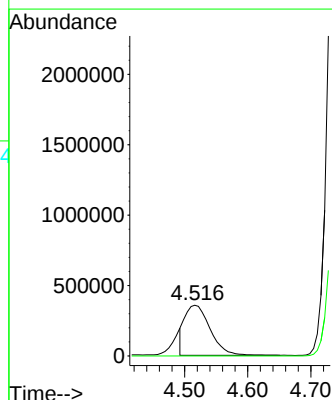
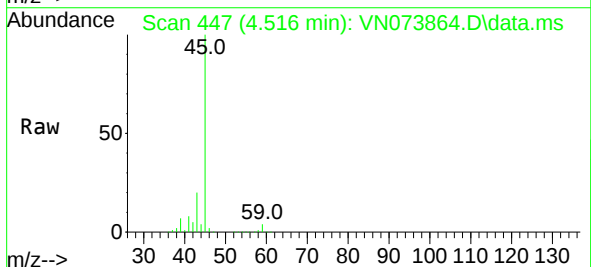
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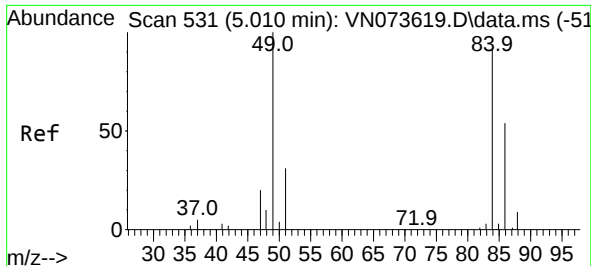
Tgt Ion: 43 Resp: 6497435
Ion Ratio Lower Upper
43 100
58 33.1 26.0 39.0



#18
Methyl Acetate
Concen: 93.913 ug/l
RT: 4.516 min Scan# 447
Delta R.T. -0.265 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 43 Resp: 986426
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

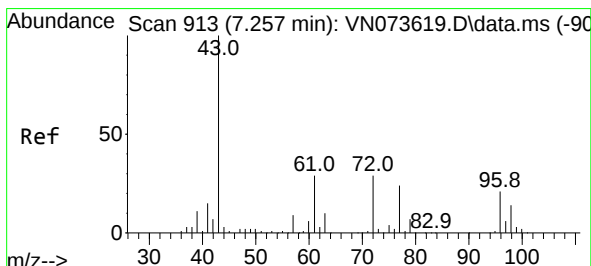
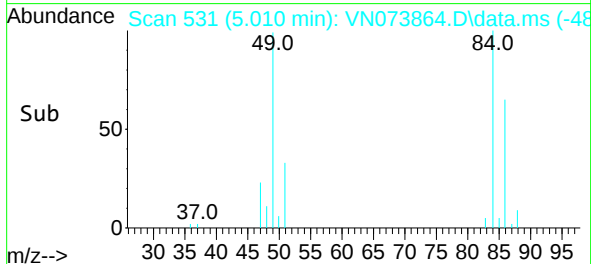
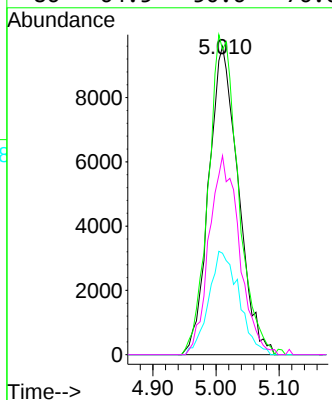
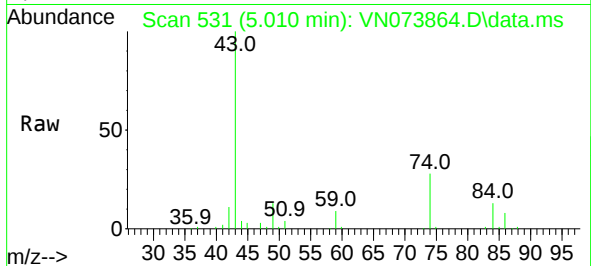




#20
Methylene Chloride
Concen: 2.448 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

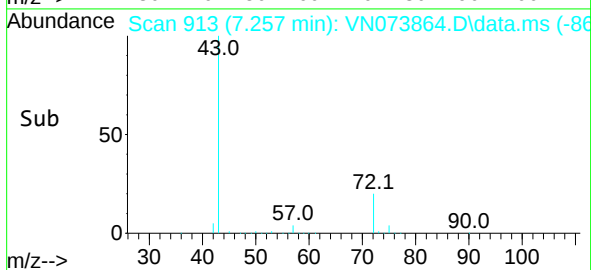
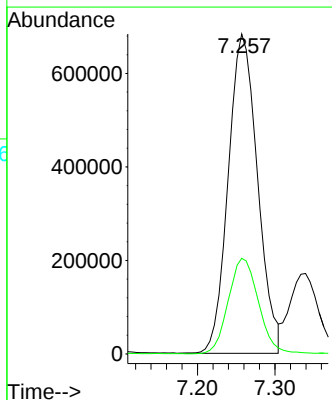
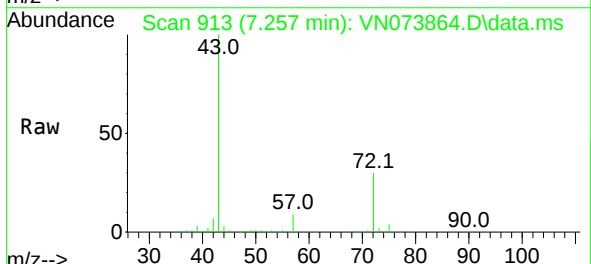
Instrument :
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ClientSampleId :
11261

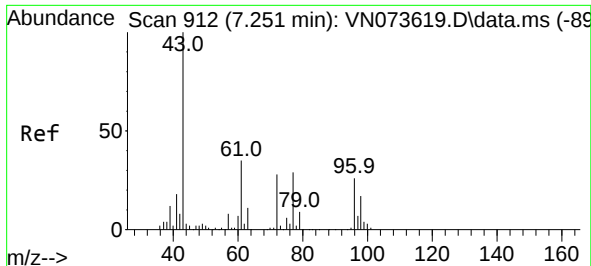
Tgt Ion: 84	Resp: 31034
Ion Ratio	Lower Upper
84 100	
49 99.0	88.3 132.5
51 32.9	28.2 42.2
86 64.5	50.6 76.0



#25
2-Butanone
Concen: 274.092 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 43	Resp: 1797106
Ion Ratio	Lower Upper
43 100	
72 29.9	23.7 35.5





#26

2,2-Dichloropropane

Concen: 0.217 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.018 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

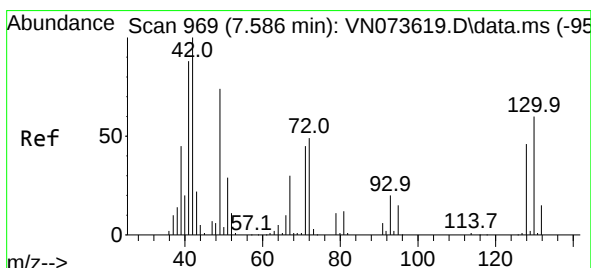
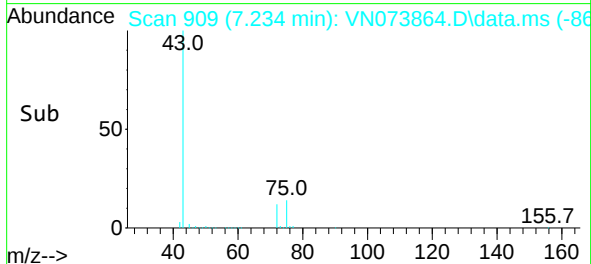
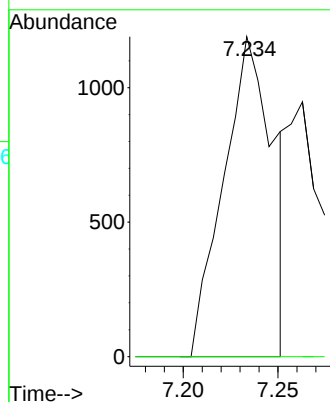
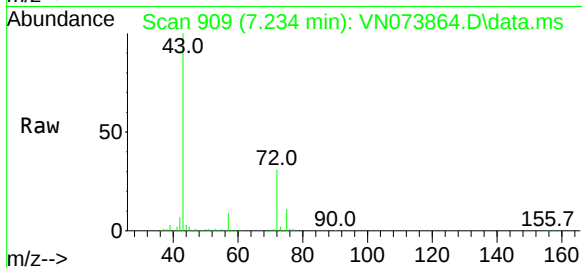
11261

Tgt Ion: 77 Resp: 2166

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#28

Bromochloromethane

Concen: 3.213 ug/l

RT: 7.610 min Scan# 973

Delta R.T. 0.024 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

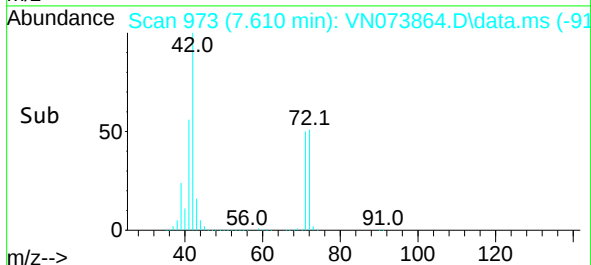
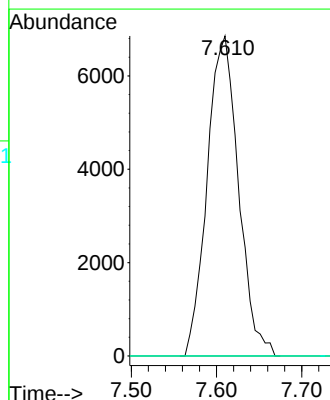
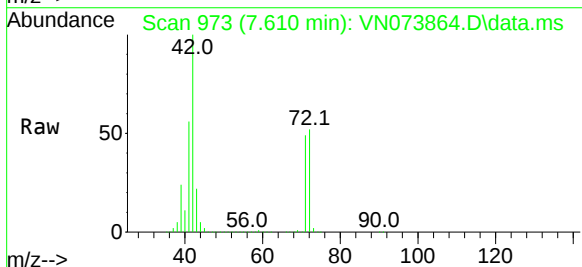
Tgt Ion: 49 Resp: 17520

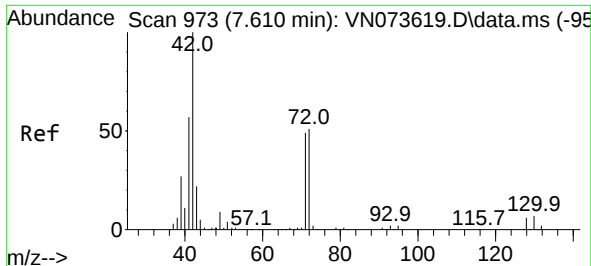
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 69.7 104.5#





#29

Tetrahydrofuran

Concen: 2095.379 ug/l

RT: 7.610 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

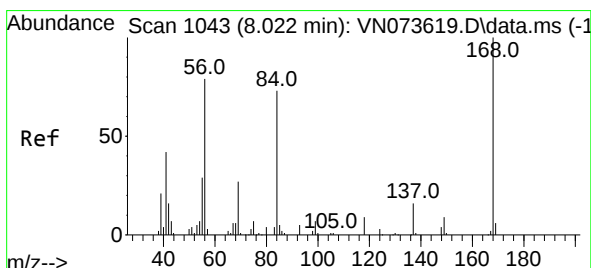
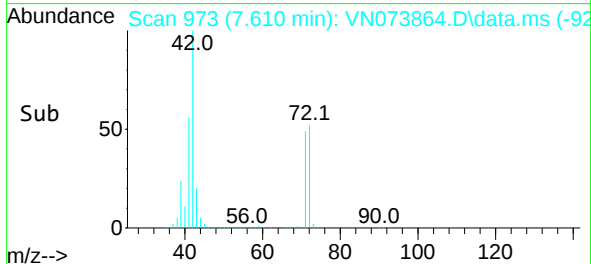
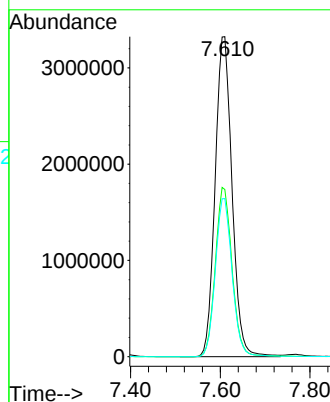
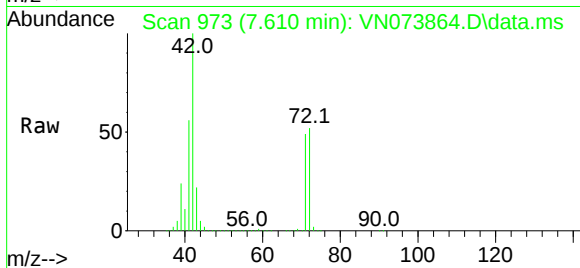
MSVOA_N

ClientSampleId :

11261

Tgt Ion: 42 Resp: 8686165

Ion	Ratio	Lower	Upper
42	100		
72	52.7	39.7	59.5
71	49.4	36.6	55.0



#31

Cyclohexane

Concen: 0.991 ug/l

RT: 8.016 min Scan# 1042

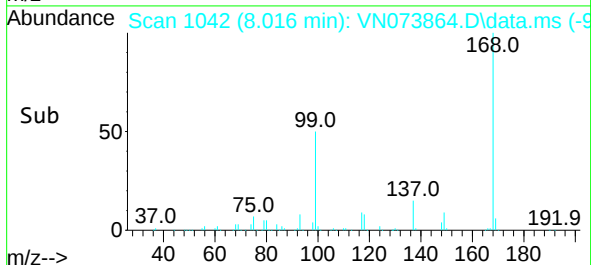
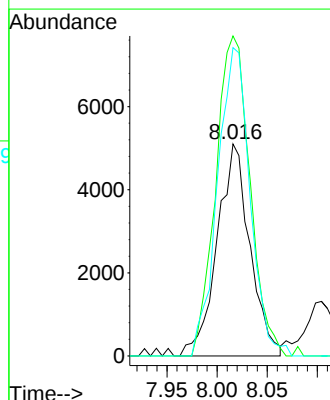
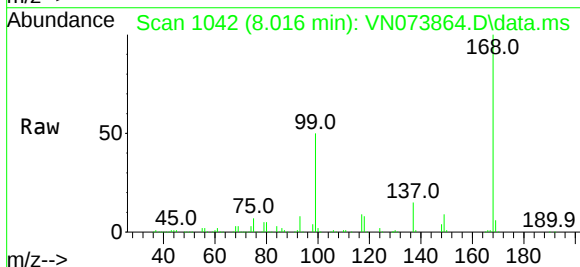
Delta R.T. -0.006 min

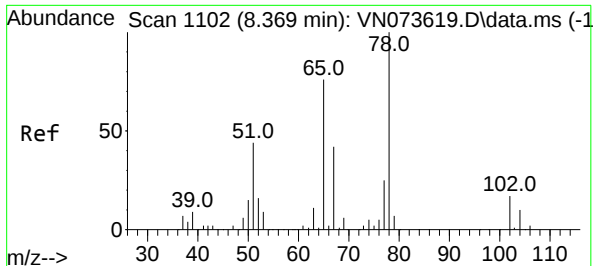
Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Tgt Ion: 56 Resp: 11596

Ion	Ratio	Lower	Upper
56	100		
69	151.0	27.8	41.8#
84	145.4	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 39.491 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

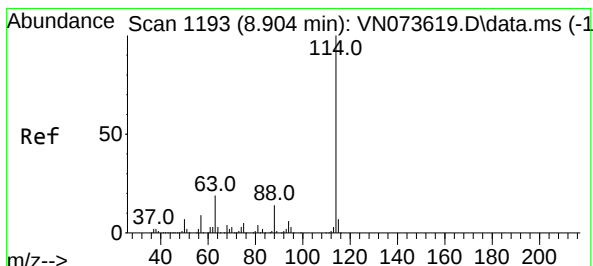
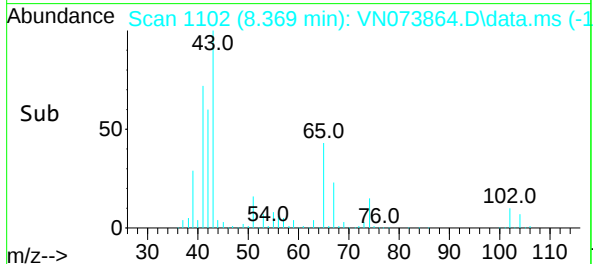
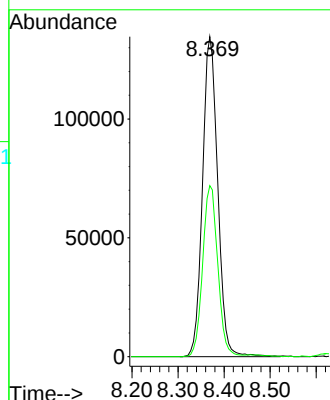
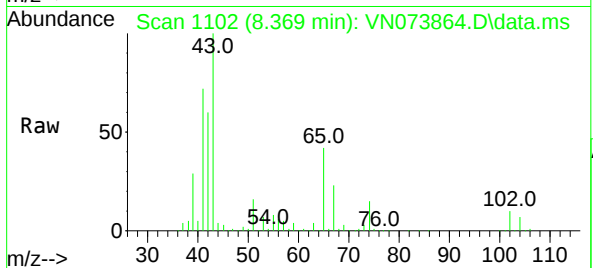
11261

Tgt Ion: 65 Resp: 310423

Ion Ratio Lower Upper

65 100

67 53.0 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: VN073864.D

Acq: 12 Aug 2022 20:20

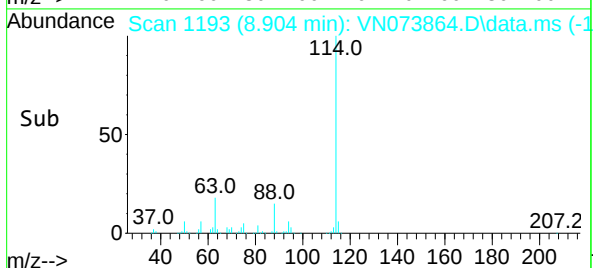
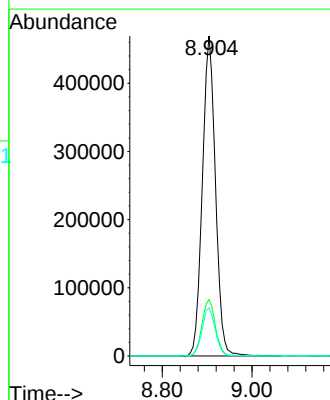
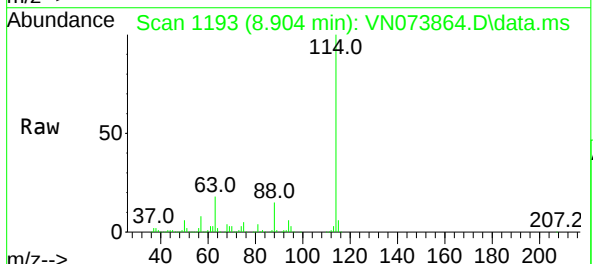
Tgt Ion: 114 Resp: 950155

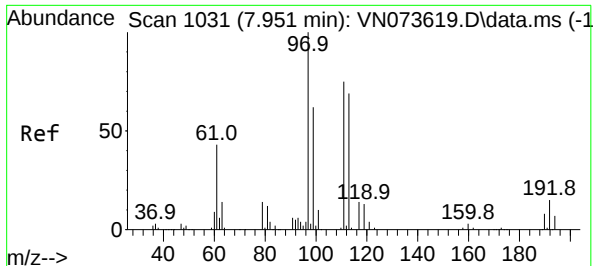
Ion Ratio Lower Upper

114 100

63 17.6 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.811 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

11261

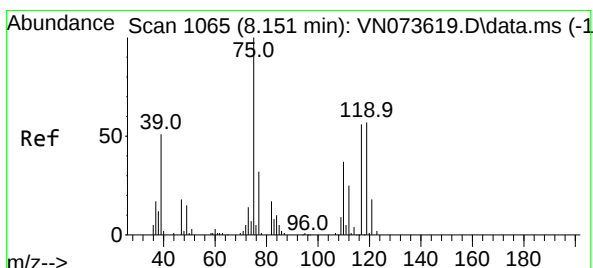
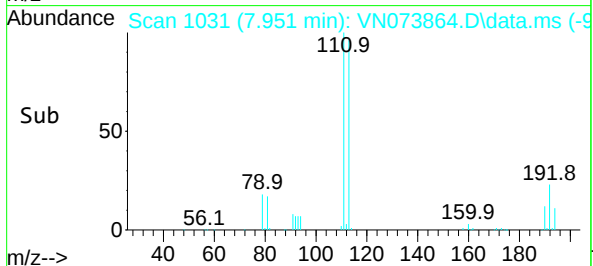
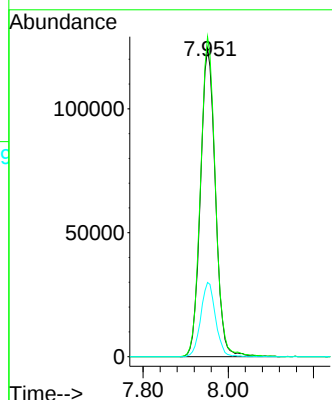
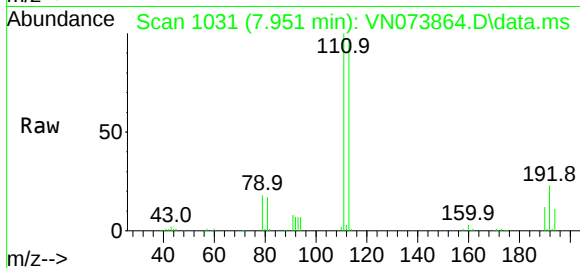
Tgt Ion:113 Resp: 303160

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 23.8 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.771 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

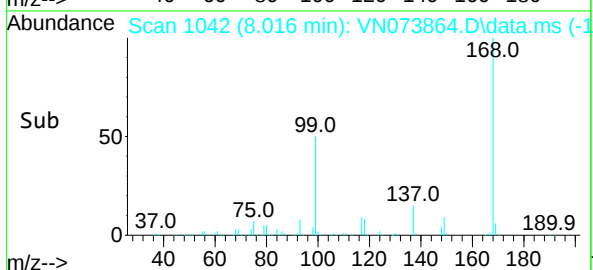
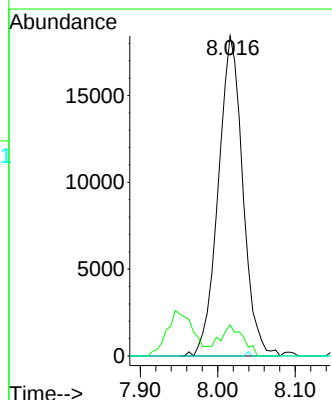
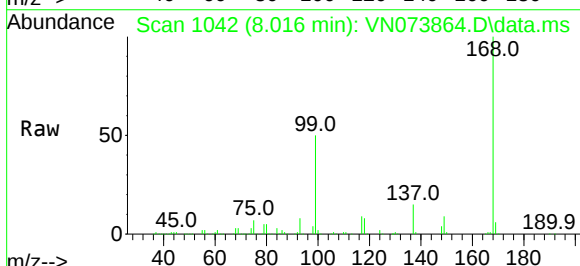
Tgt Ion: 75 Resp: 40570

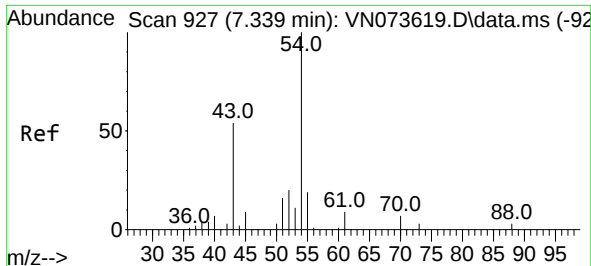
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#

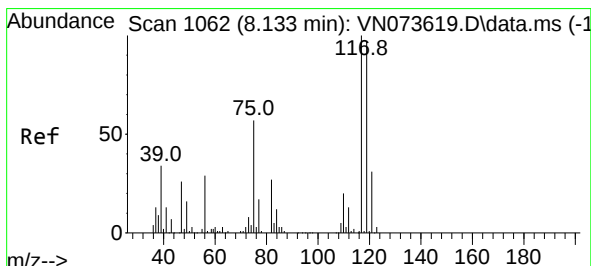
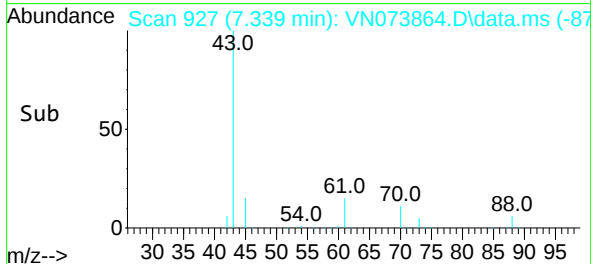
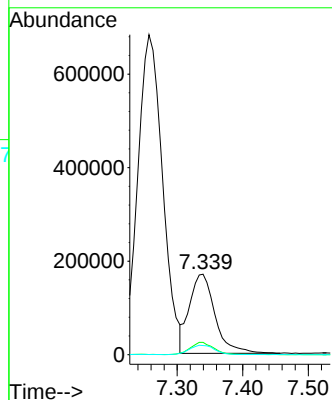
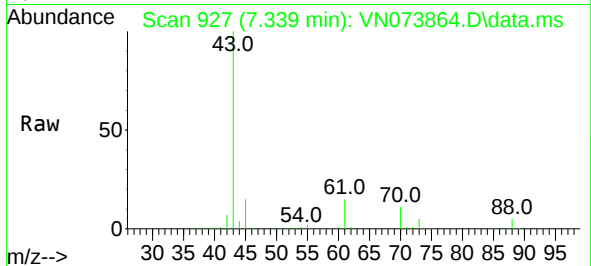




#37
Ethyl Acetate
Concen: 41.096 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

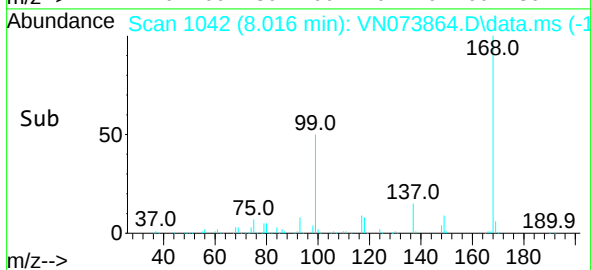
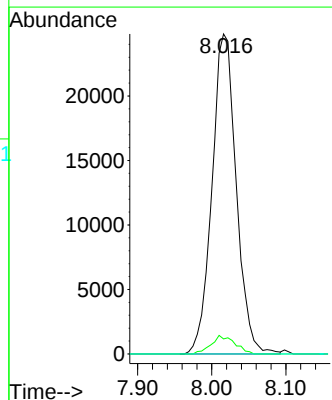
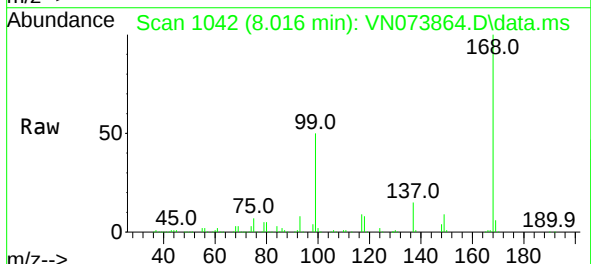
Instrument :
MSVOA_N
ClientSampleId :
11261

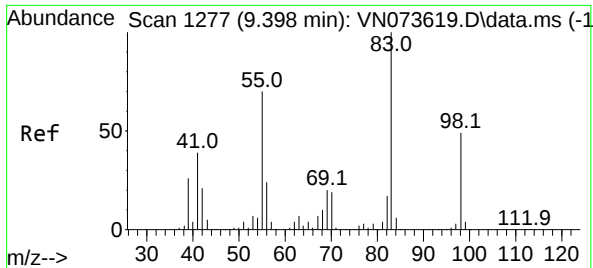
Tgt Ion:	43	Resp:	460228
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.8	17.6
70	11.8	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.537 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion:	117	Resp:	56454
Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.8#
121	0.0	24.6	37.0#





#39

Methylcyclohexane

Concen: 0.972 ug/l

RT: 9.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

11261

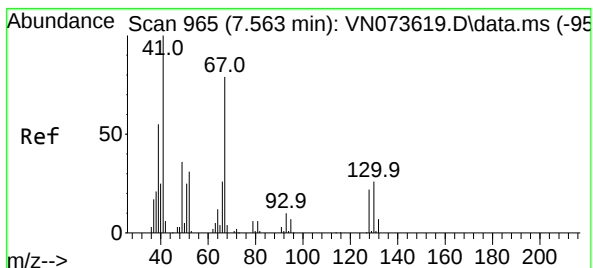
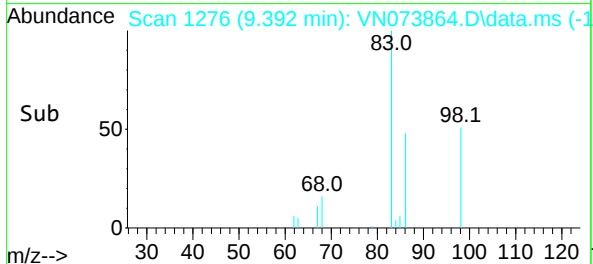
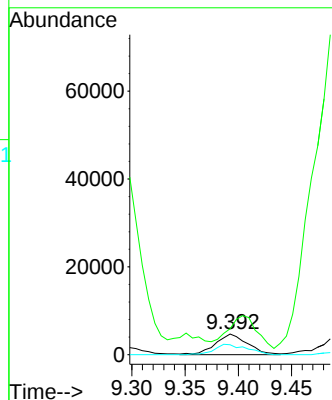
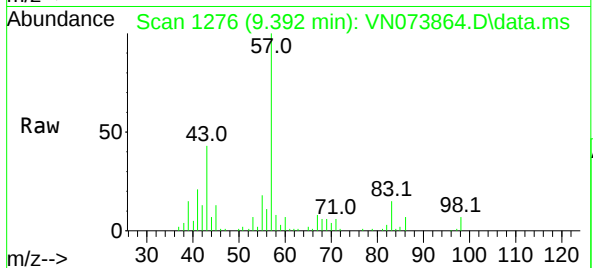
Tgt Ion: 83 Resp: 9876

Ion Ratio Lower Upper

83 100

55 73.5 57.8 86.8

98 50.1 39.4 59.2



#41

Methacrylonitrile

Concen: 966.811 ug/l

RT: 7.604 min Scan# 972

Delta R.T. 0.041 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Tgt Ion: 41 Resp: 4899329

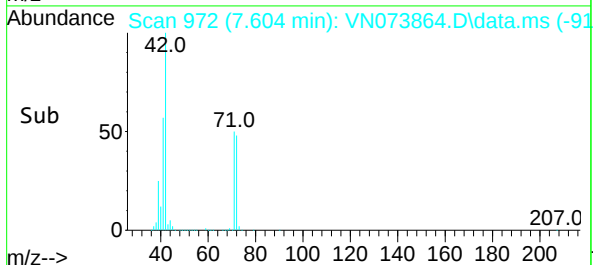
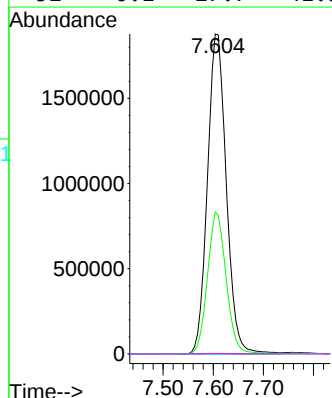
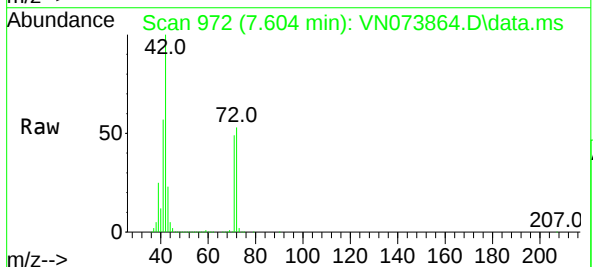
Ion Ratio Lower Upper

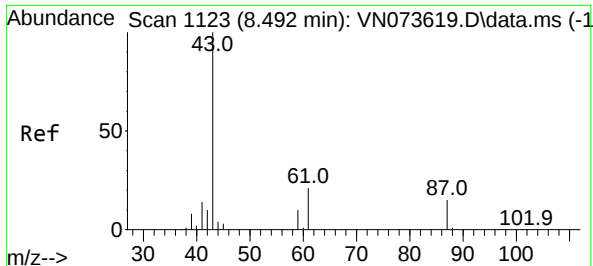
41 100

39 43.9 48.6 73.0#

67 0.0 73.4 110.2#

52 0.1 27.7 41.5#





#43

Isopropyl Acetate

Concen: 43.432 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

11261

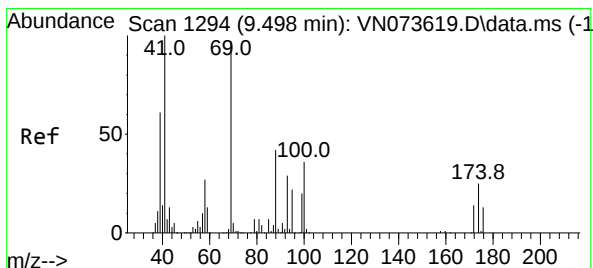
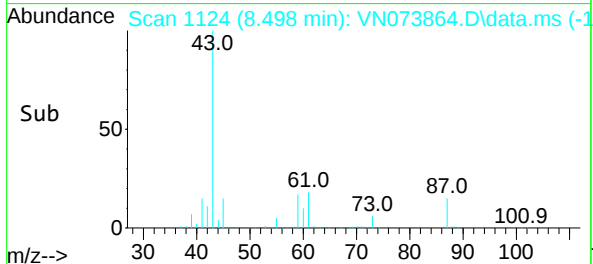
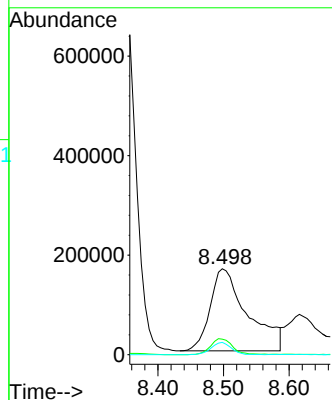
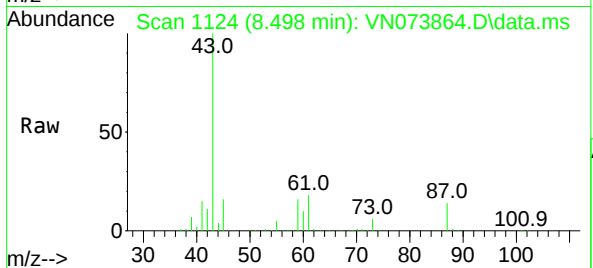
Tgt Ion: 43 Resp: 656956

Ion Ratio Lower Upper

43 100

61 11.5 21.9 32.9#

87 8.0 12.0 18.0#



#48

Methyl methacrylate

Concen: 477.902 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

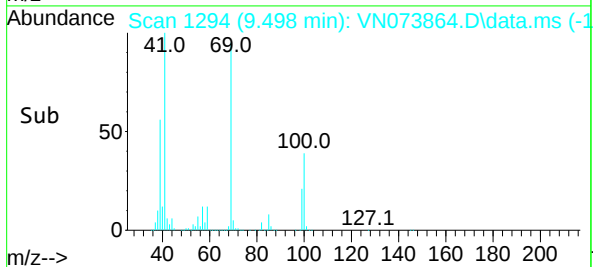
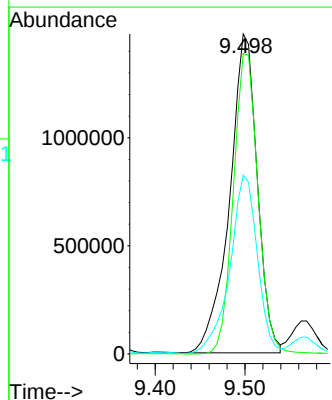
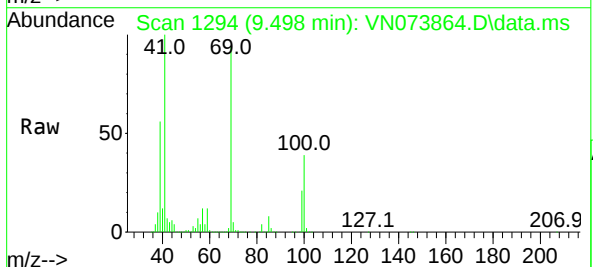
Tgt Ion: 41 Resp: 3164231

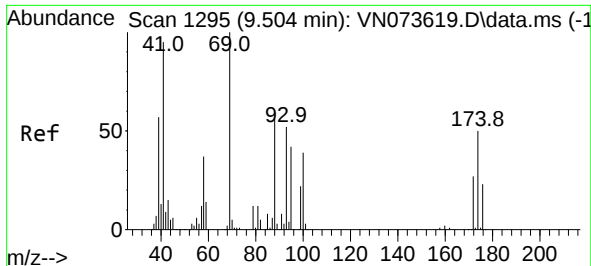
Ion Ratio Lower Upper

41 100

69 84.3 74.7 112.1

39 55.4 45.6 68.4





#49

1,4-Dioxane

Concen: 15.297 ug/l

RT: 9.522 min Scan# 11

Delta R.T. 0.018 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

11261

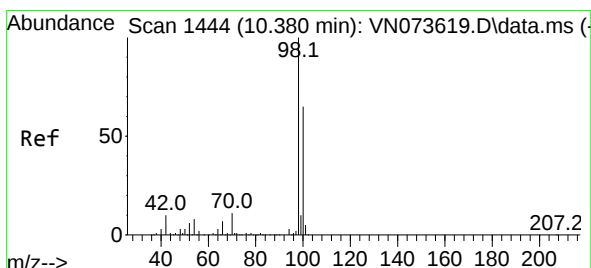
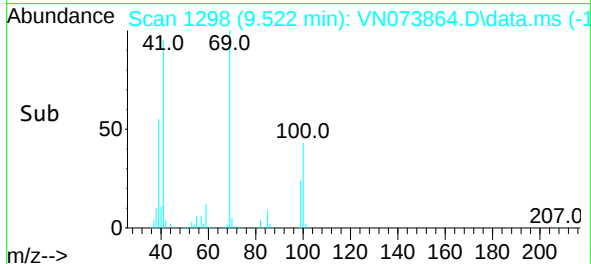
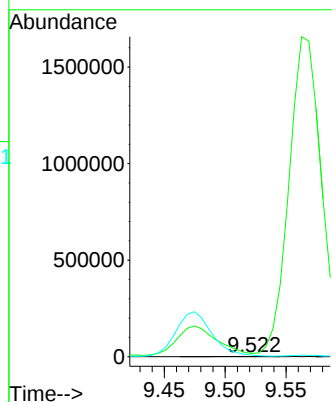
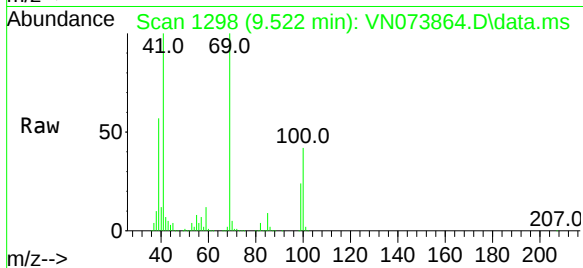
Tgt Ion: 88 Resp: 2855

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 47.283 ug/l

RT: 10.398 min Scan# 1447

Delta R.T. 0.018 min

Lab File: VN073864.D

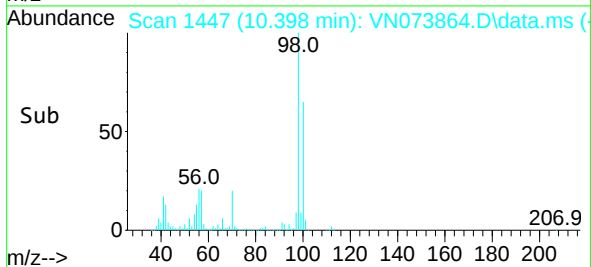
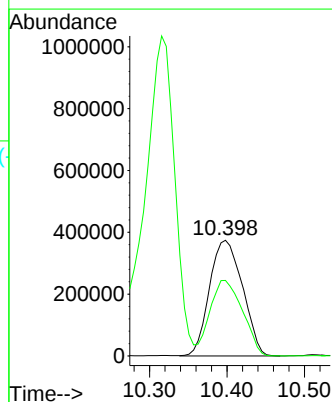
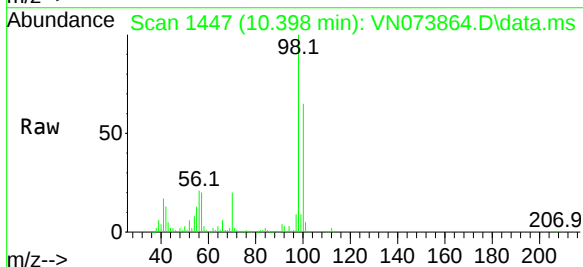
Acq: 12 Aug 2022 20:20

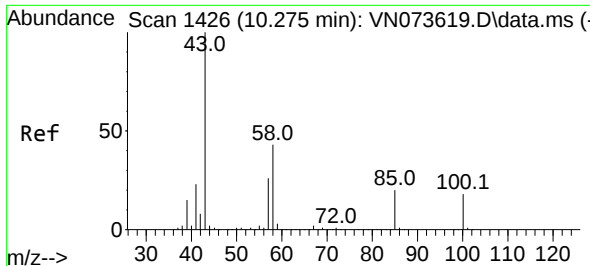
Tgt Ion: 98 Resp: 1110122

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1270.213 ug/l

RT: 10.316 min Scan# 1426

Delta R.T. 0.041 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

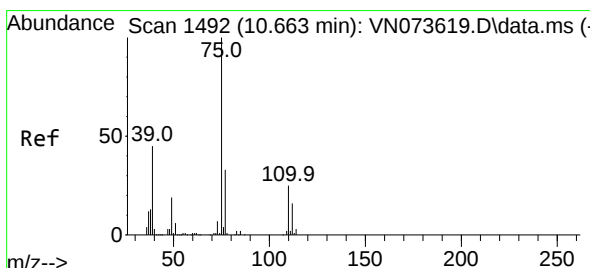
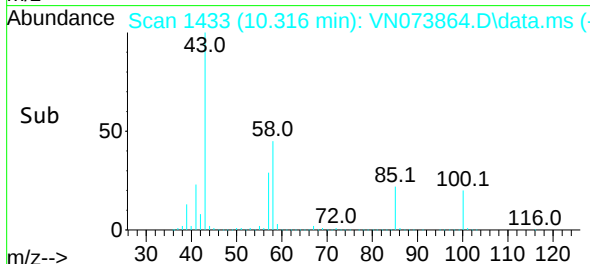
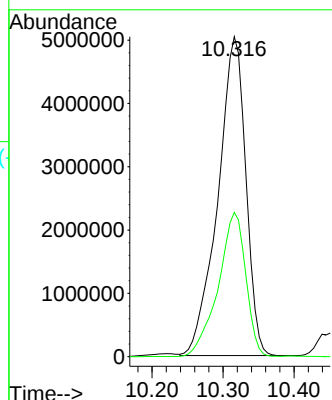
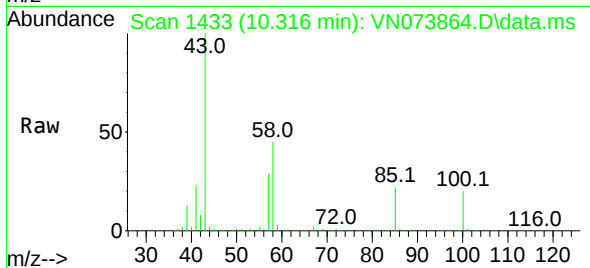
11261

Tgt Ion: 43 Resp:13780588

Ion Ratio Lower Upper

43 100

58 44.7 34.1 51.1



#53

t-1,3-Dichloropropene

Concen: 3.876 ug/l

RT: 10.557 min Scan# 1474

Delta R.T. -0.106 min

Lab File: VN073864.D

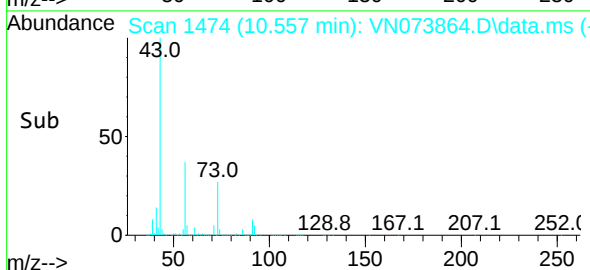
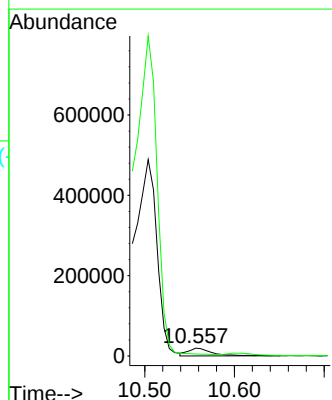
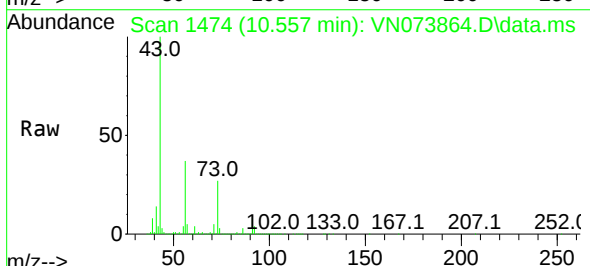
Acq: 12 Aug 2022 20:20

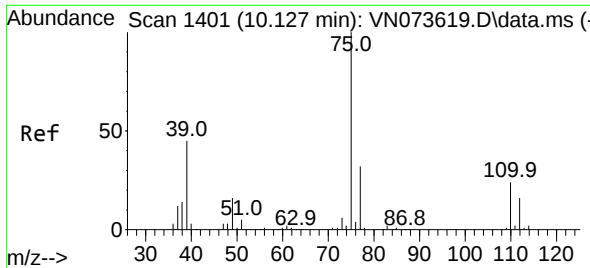
Tgt Ion: 75 Resp: 35205

Ion Ratio Lower Upper

75 100

77 18.6 25.6 38.4#

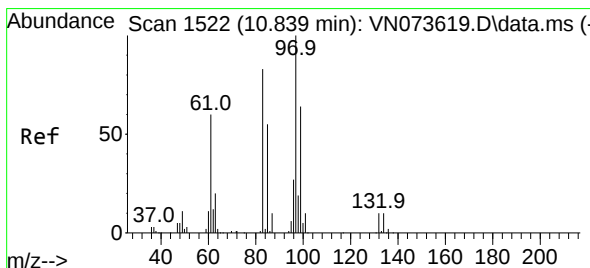
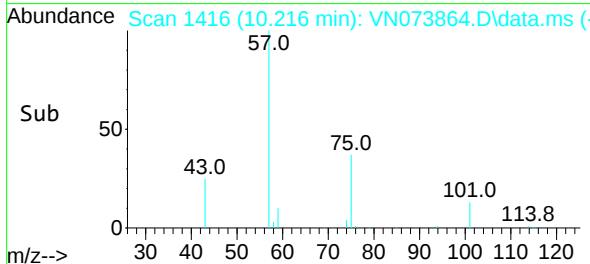
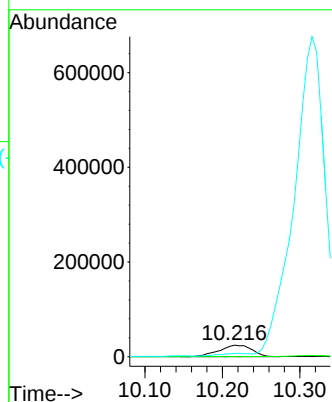
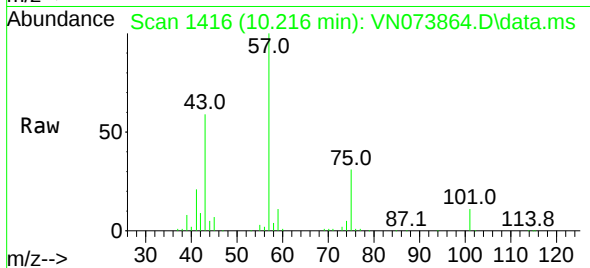




#54
 cis-1,3-Dichloropropene
 Concen: 7.042 ug/l
 RT: 10.216 min Scan# 1401
 Delta R.T. 0.088 min
 Lab File: VN073864.D
 Acq: 12 Aug 2022 20:20

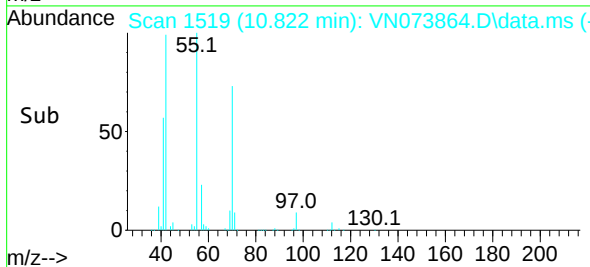
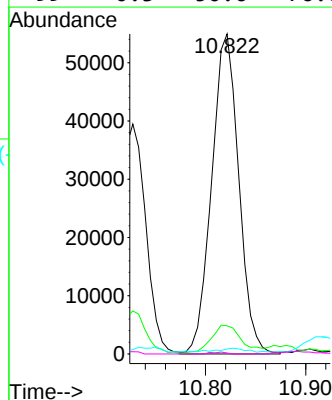
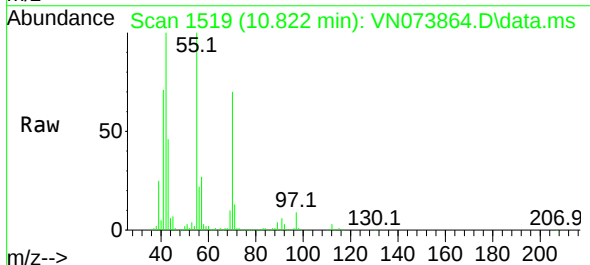
Instrument :
 MSVOA_N
 ClientSampleId :
 11261

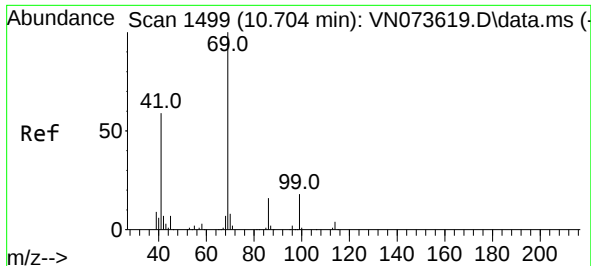
Tgt Ion: 75 Resp: 72077
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 19.3 35.7 53.5#



#55
 1,1,2-Trichloroethane
 Concen: 14.665 ug/l
 RT: 10.822 min Scan# 1519
 Delta R.T. -0.018 min
 Lab File: VN073864.D
 Acq: 12 Aug 2022 20:20

Tgt Ion: 97 Resp: 103147
 Ion Ratio Lower Upper
 97 100
 83 8.8 66.2 99.4#
 85 0.9 43.9 65.9#
 99 0.3 50.6 76.0#

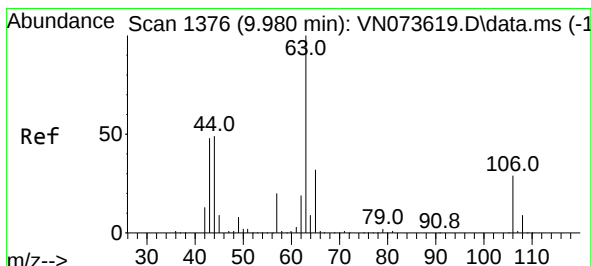
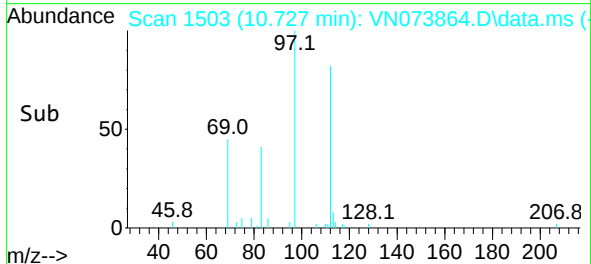
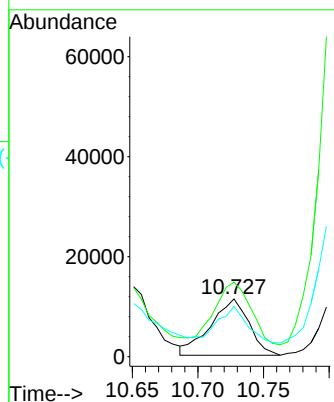
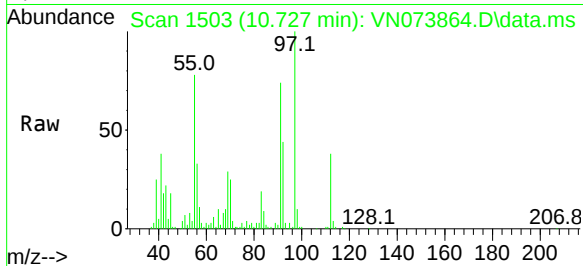




#56
Ethyl methacrylate
Concen: 2.357 ug/l
RT: 10.727 min Scan# 11261
Delta R.T. 0.023 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

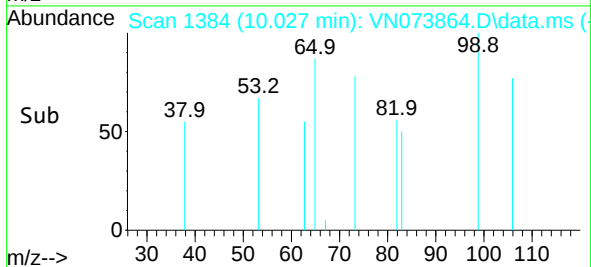
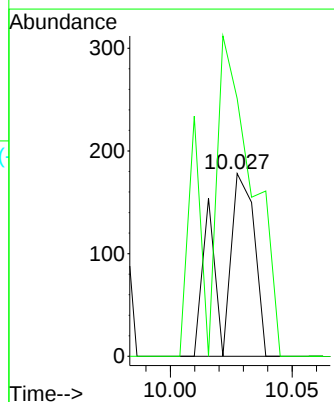
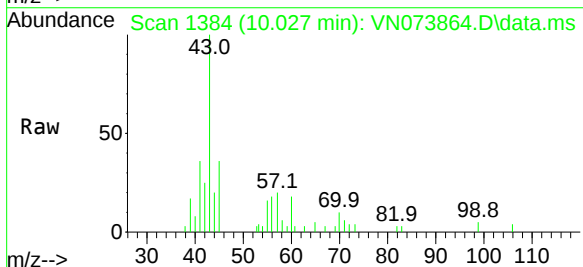
Instrument :
MSVOA_N
ClientSampleId :
11261

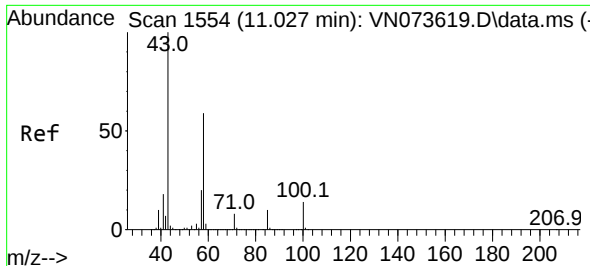
Tgt Ion: 69 Resp: 22853
Ion Ratio Lower Upper
69 100
41 0.0 47.8 71.6#
39 0.0 27.3 40.9#



#58
2-Chloroethyl Vinyl ether
Concen: 9.974 ug/l
RT: 10.027 min Scan# 1384
Delta R.T. 0.047 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 63 Resp: 170
Ion Ratio Lower Upper
63 100
106 231.2 24.6 36.8#

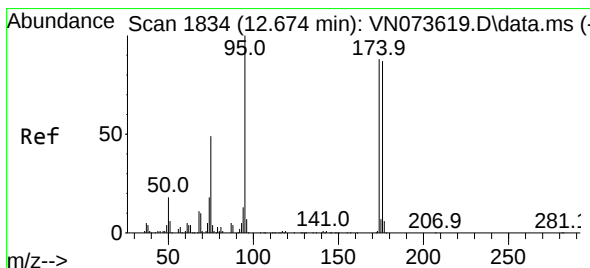
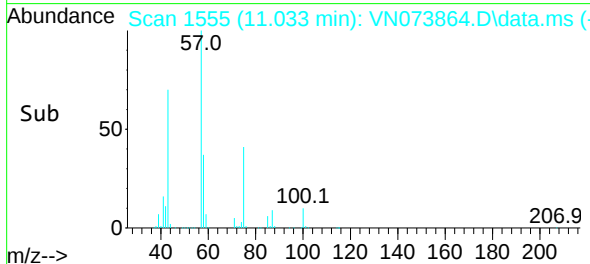
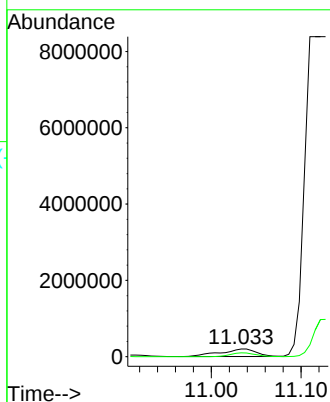
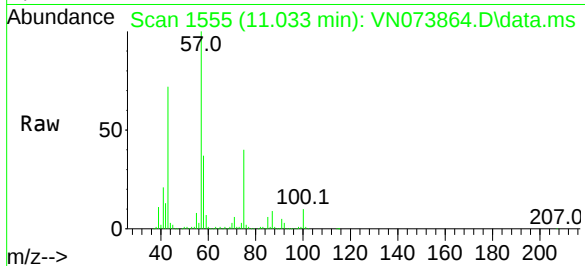




#59
2-Hexanone
Concen: 67.645 ug/l
RT: 11.033 min Scan# 11261
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

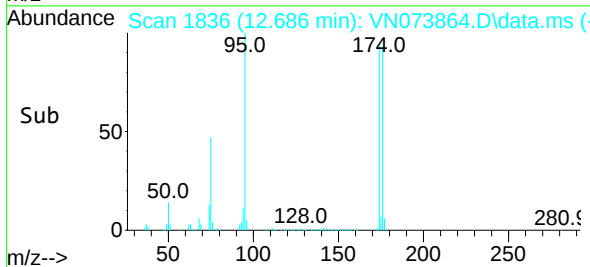
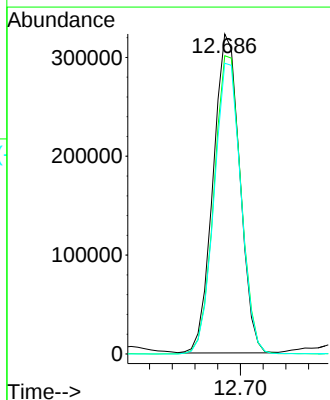
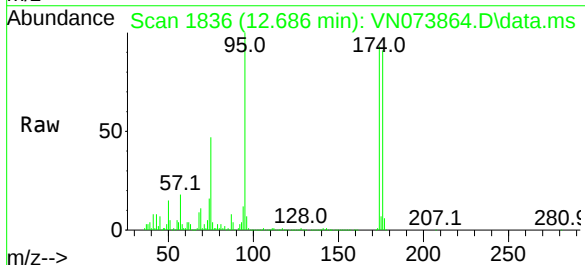
Instrument :
MSVOA_N
ClientSampleId :
11261

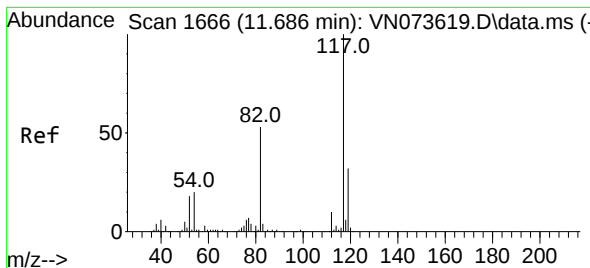
Tgt Ion: 43 Resp: 556016
Ion Ratio Lower Upper
43 100
58 35.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 62.992 ug/l
RT: 12.686 min Scan# 1836
Delta R.T. 0.012 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 95 Resp: 525412
Ion Ratio Lower Upper
95 100
174 94.5 0.0 167.6
176 91.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.692 min Scan# 11261

Delta R.T. 0.006 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

11261

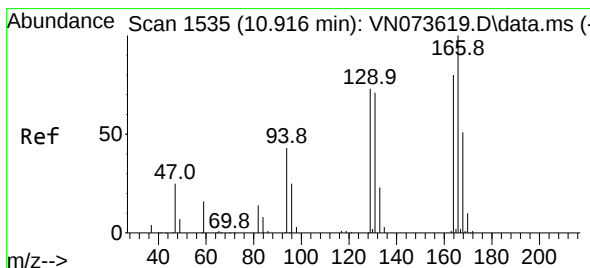
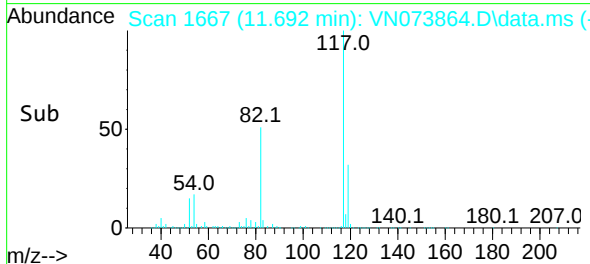
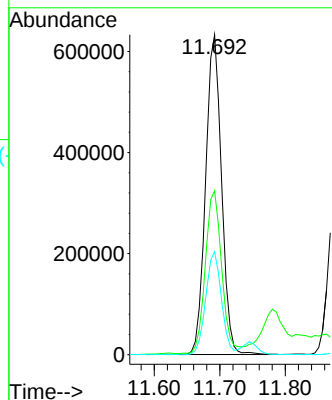
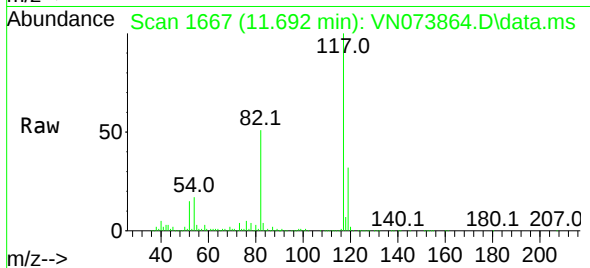
Tgt Ion:117 Resp: 1068846

Ion Ratio Lower Upper

117 100

82 50.9 44.2 66.2

119 32.2 25.4 38.0



#64

Tetrachloroethene

Concen: 1.563 ug/l

RT: 10.916 min Scan# 1535

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Tgt Ion:164 Resp: 13279

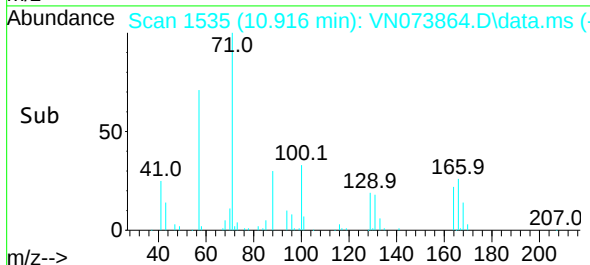
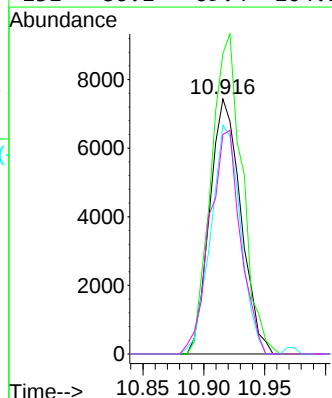
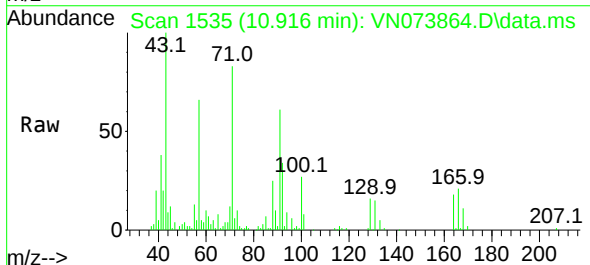
Ion Ratio Lower Upper

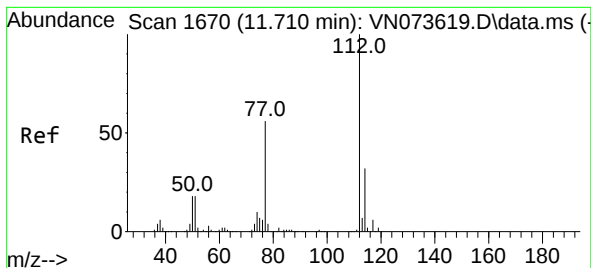
164 100

166 117.9 104.2 156.2

129 89.7 73.9 110.9

131 86.1 69.4 104.2





#65

Chlorobenzene

Concen: 1.135 ug/l

RT: 11.745 min Scan# 1676

Delta R.T. 0.035 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

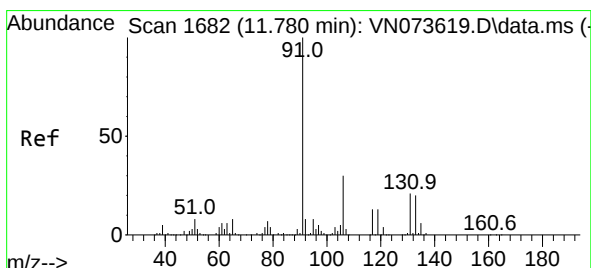
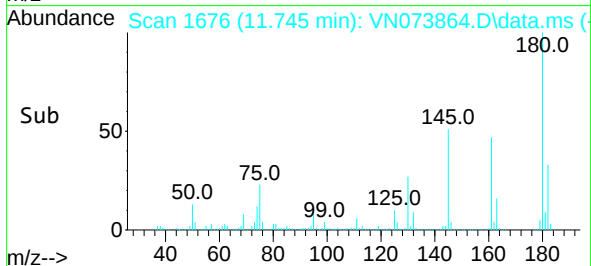
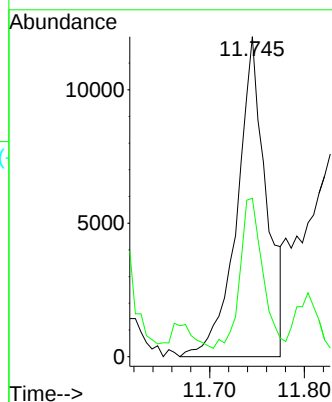
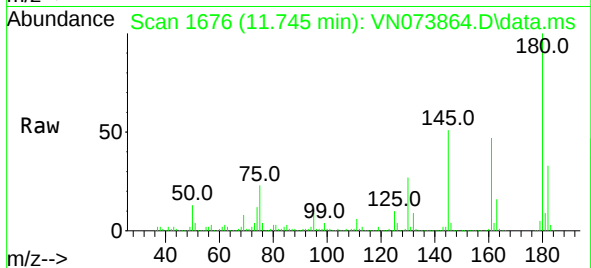
11261

Tgt Ion:112 Resp: 25770

Ion Ratio Lower Upper

112 100

114 43.7 25.4 38.2#



#66

1,1,1,2-Tetrachloroethane

Concen: 6.004 ug/l

RT: 11.745 min Scan# 1676

Delta R.T. -0.035 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

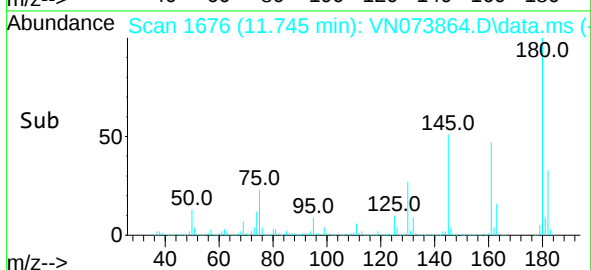
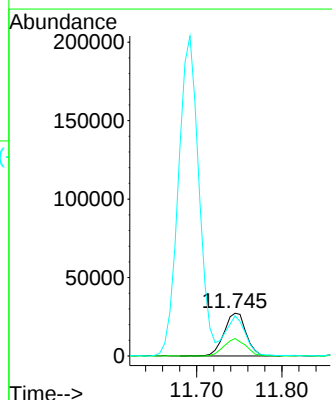
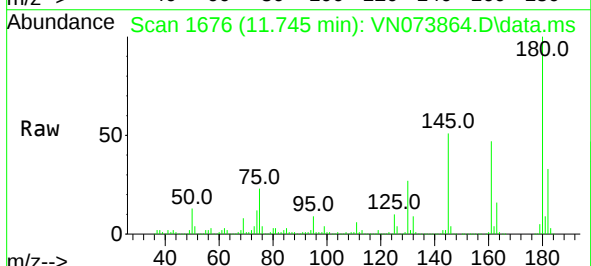
Tgt Ion:131 Resp: 48894

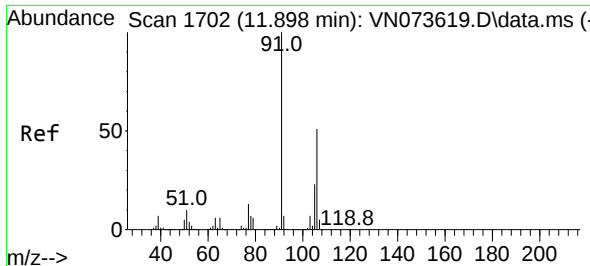
Ion Ratio Lower Upper

131 100

133 40.2 47.8 143.4#

119 85.7 33.4 100.2

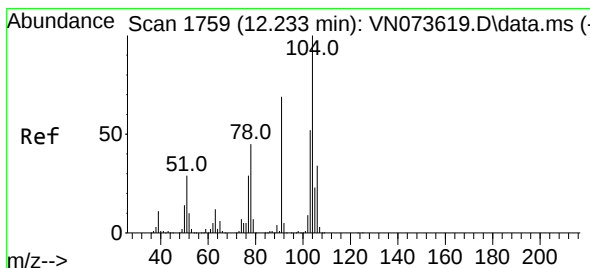
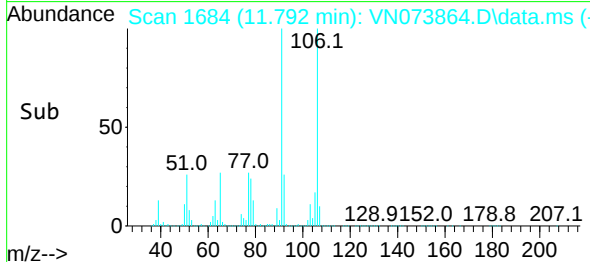
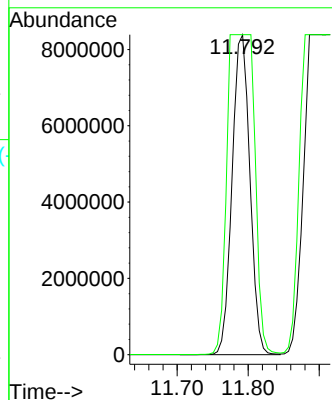
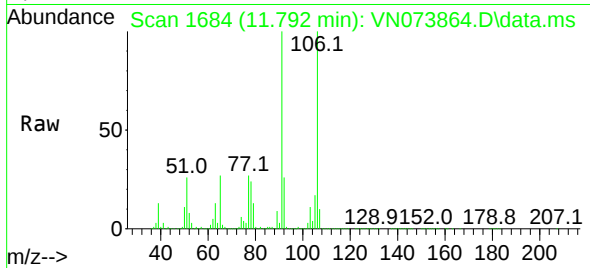




#68
m/p-Xylenes
Concen: 999.597 ug/l
RT: 11.792 min Scan# 11261
Delta R.T. -0.106 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

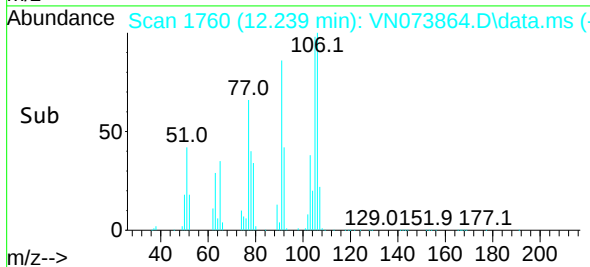
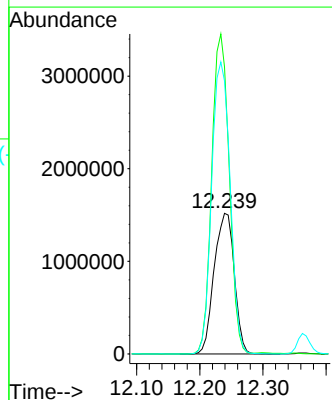
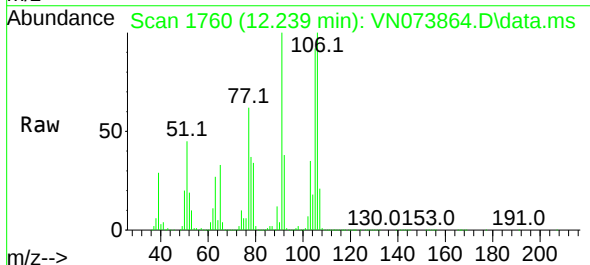
Instrument :
MSVOA_N
ClientSampleId :
11261

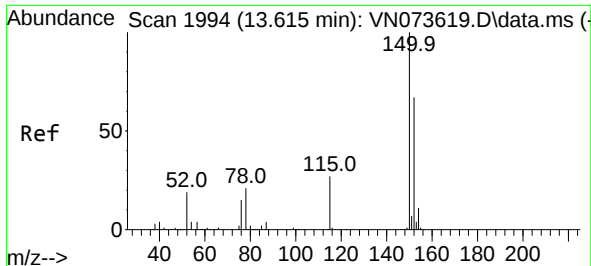
Tgt Ion:106 Resp:14602261
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3#



#70
Styrene
Concen: 147.776 ug/l
RT: 12.239 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion:104 Resp: 3369009
Ion Ratio Lower Upper
104 100
78 196.9 39.5 59.3#
103 189.8 44.0 66.0#

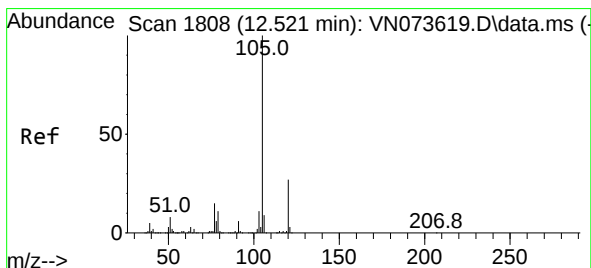
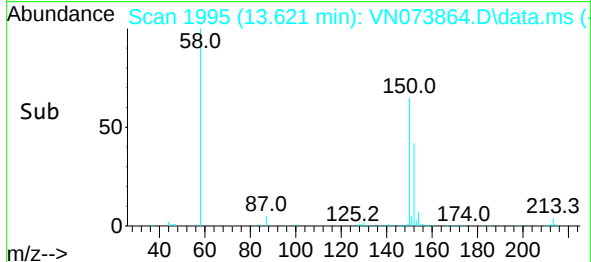
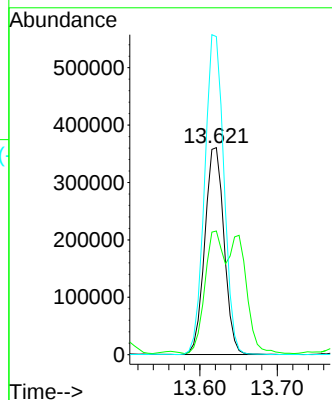
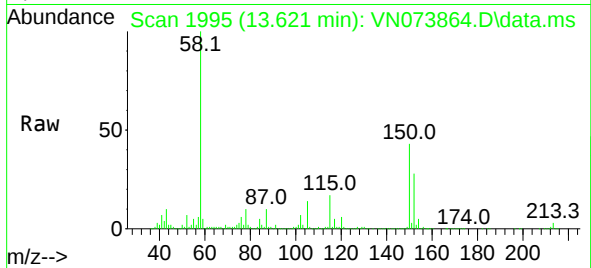




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.621 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

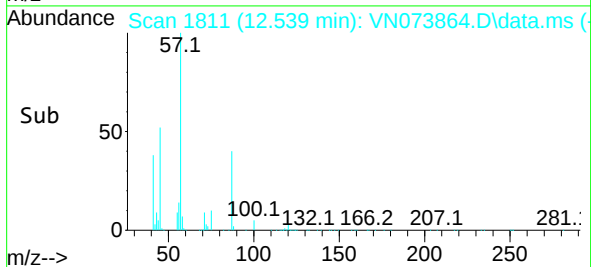
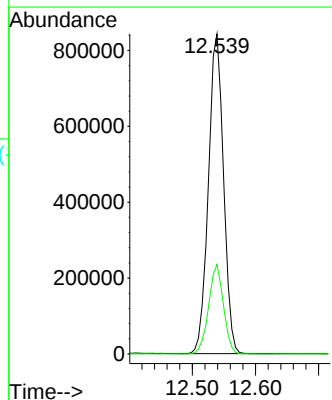
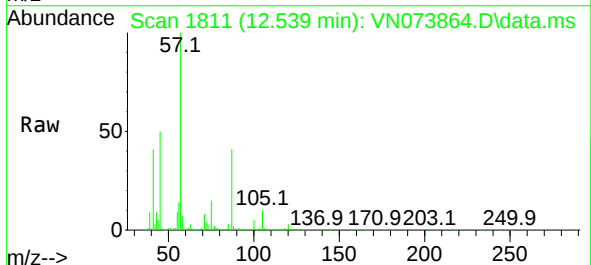
Instrument :
MSVOA_N
ClientSampleId :
11261

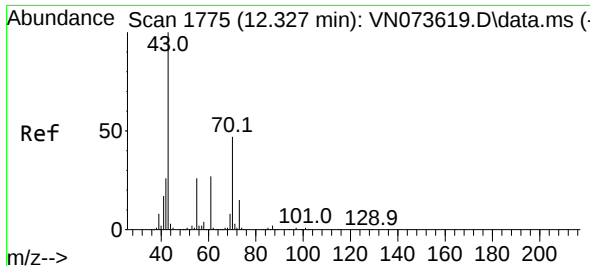
Tgt Ion:152 Resp: 622399
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 154.5 0.0 356.2



#73
Isopropylbenzene
Concen: 30.716 ug/l
RT: 12.539 min Scan# 1811
Delta R.T. 0.018 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion:105 Resp: 1399444
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4

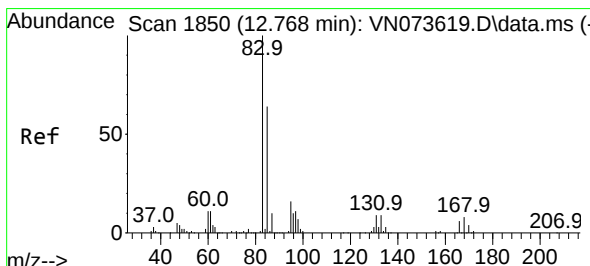
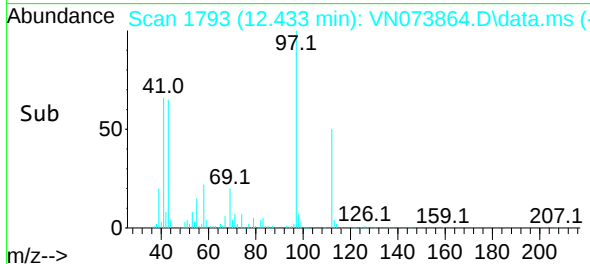
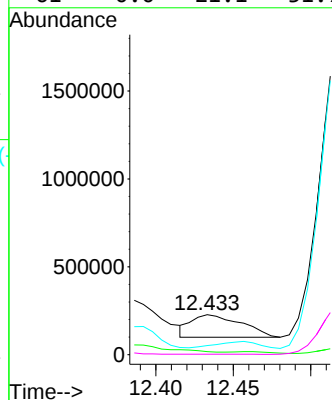
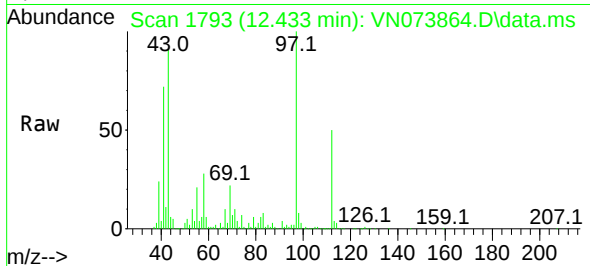




#74
N-amy1 acetate
Concen: 16.760 ug/l
RT: 12.433 min Scan# 1775
Delta R.T. 0.106 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

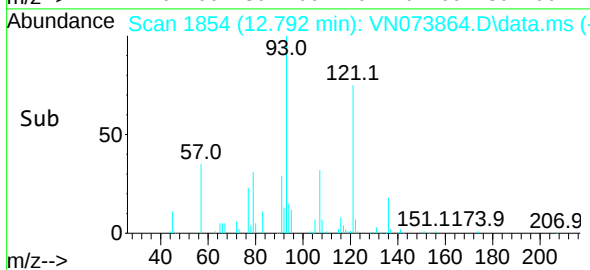
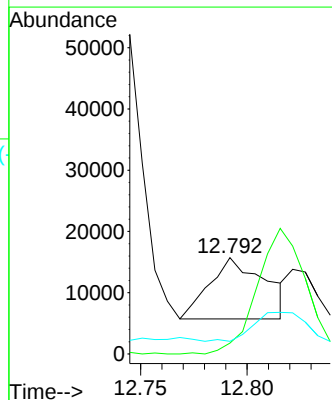
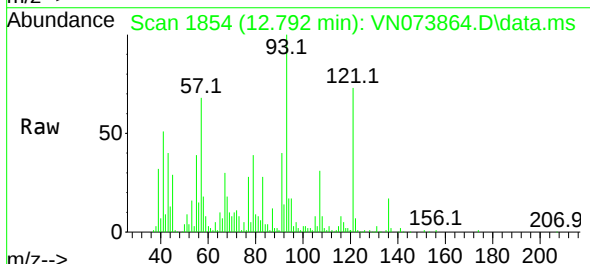
Instrument :
MSVOA_N
ClientSampleId :
11261

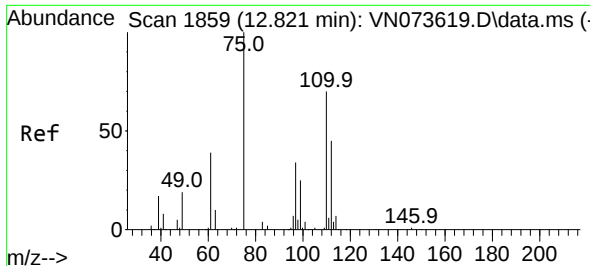
Tgt Ion: 43 Resp: 288507
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.029 ug/l
RT: 12.792 min Scan# 1854
Delta R.T. 0.024 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 83 Resp: 18094
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#

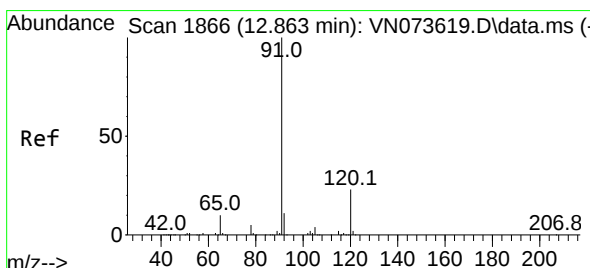
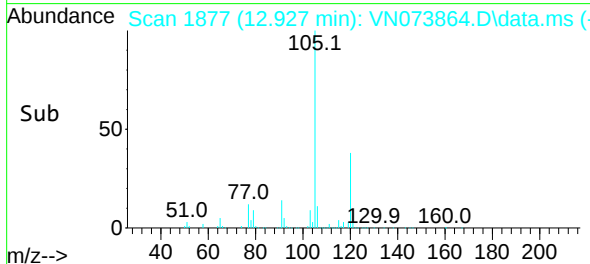
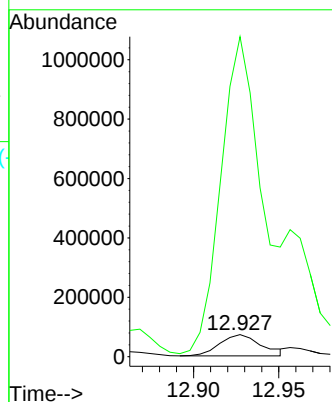
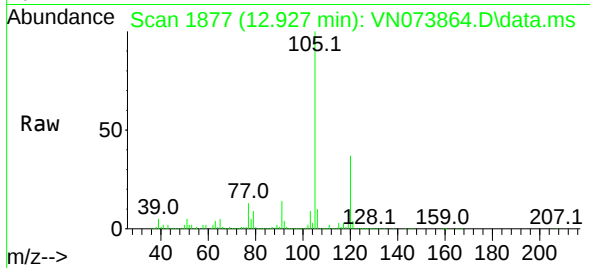




#76
1,2,3-Trichloropropane
Concen: 7.865 ug/l
RT: 12.927 min Scan# 1877
Delta R.T. 0.106 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

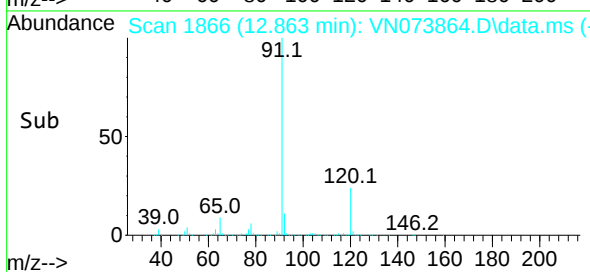
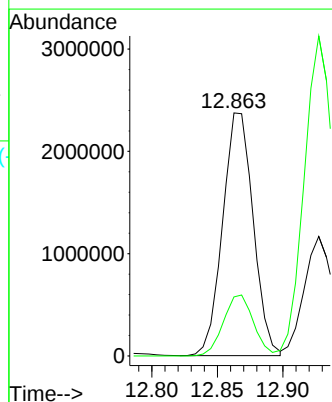
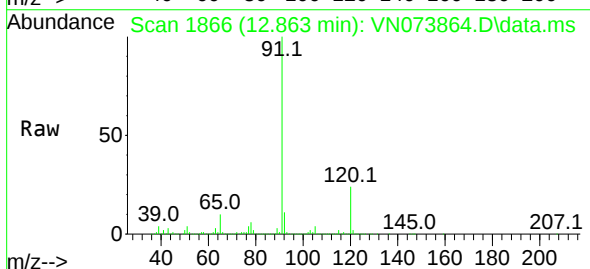
Instrument :
MSVOA_N
ClientSampleId :
11261

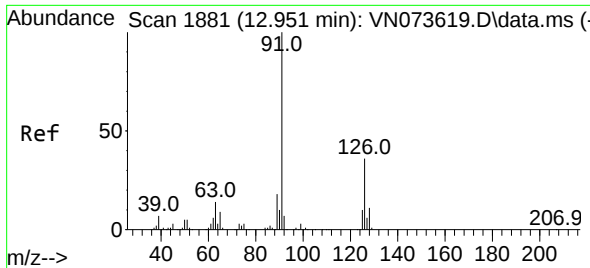
Tgt Ion: 75 Resp: 120650
Ion Ratio Lower Upper
75 100
77 1468.9 98.5 295.5#



#78
n-propylbenzene
Concen: 75.100 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 91 Resp: 3850008
Ion Ratio Lower Upper
91 100
120 24.7 11.9 35.5





#79

2-Chlorotoluene

Concen: 56.186 ug/l

RT: 12.927 min Scan# 1877

Delta R.T. -0.024 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

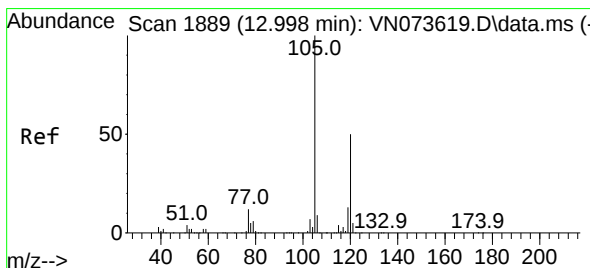
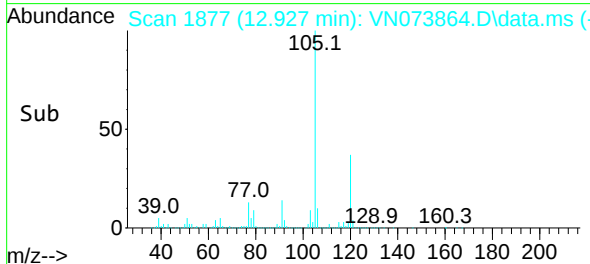
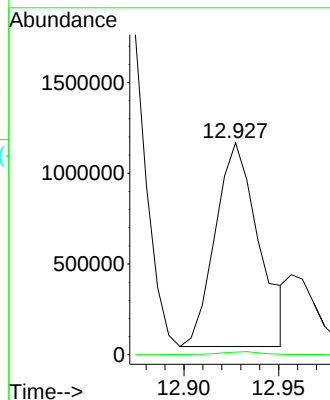
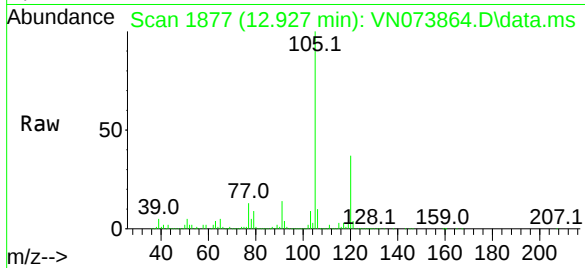
11261

Tgt Ion: 91 Resp: 1797723

Ion Ratio Lower Upper

91 100

126 1.5 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 170.159 ug/l

RT: 13.004 min Scan# 1890

Delta R.T. 0.006 min

Lab File: VN073864.D

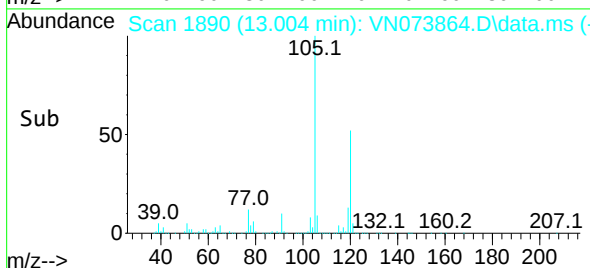
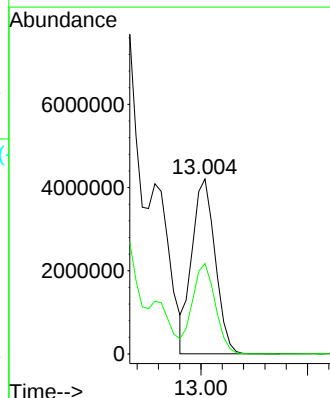
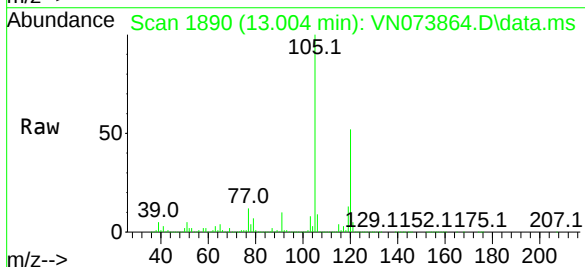
Acq: 12 Aug 2022 20:20

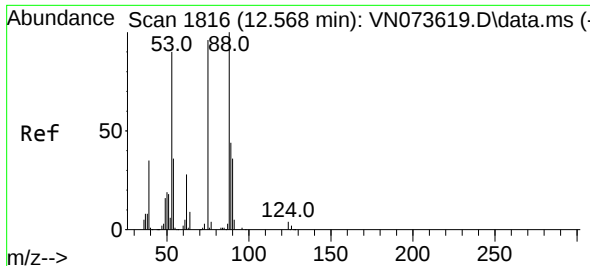
Tgt Ion: 105 Resp: 6379971

Ion Ratio Lower Upper

105 100

120 51.2 24.9 74.7

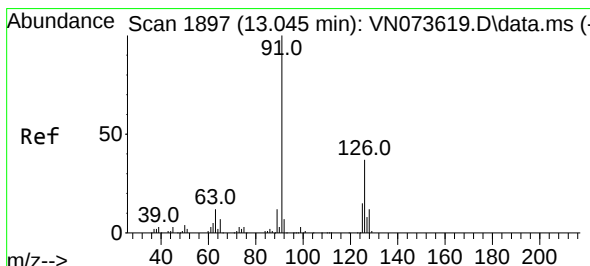
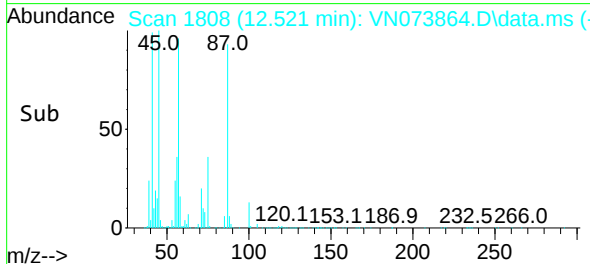
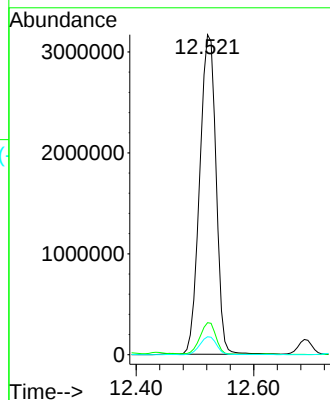
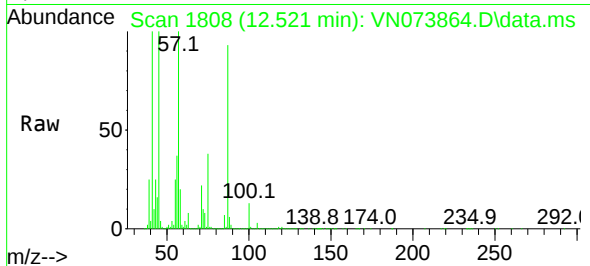




#81
trans-1,4-Dichloro-2-butene
Concen: 1270.060 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. -0.047 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

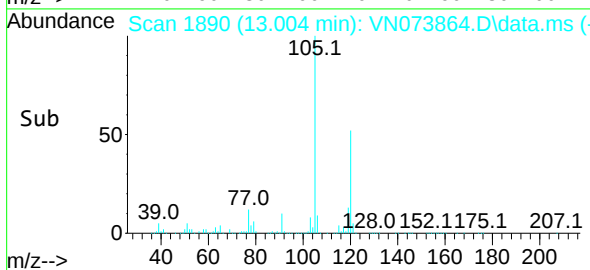
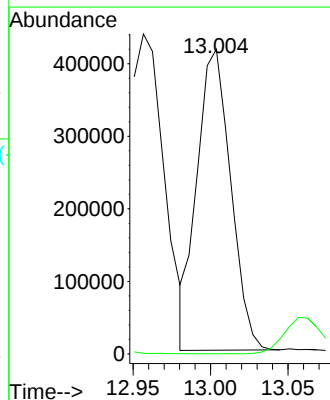
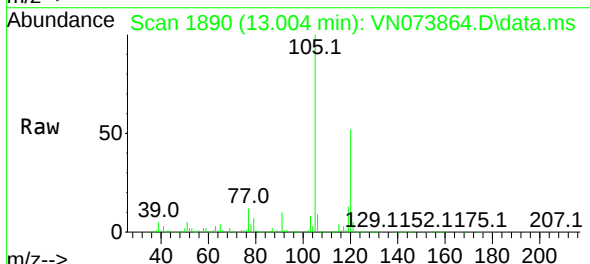
Instrument :
MSVOA_N
ClientSampleId :
11261

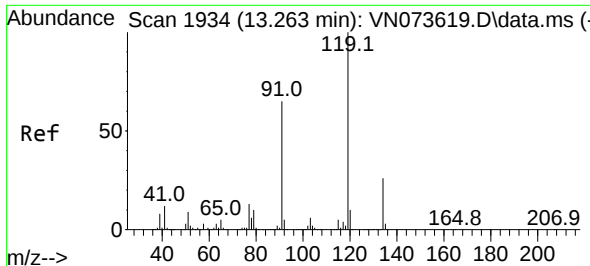
Tgt Ion: 75 Resp: 6099734
Ion Ratio Lower Upper
75 100
53 9.6 78.0 117.0#
89 5.7 37.2 55.8#



#82
4-Chlorotoluene
Concen: 20.688 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. -0.041 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 91 Resp: 627360
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#

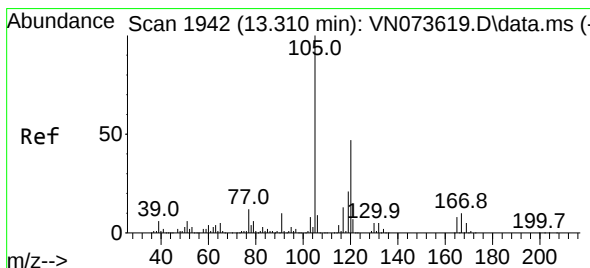
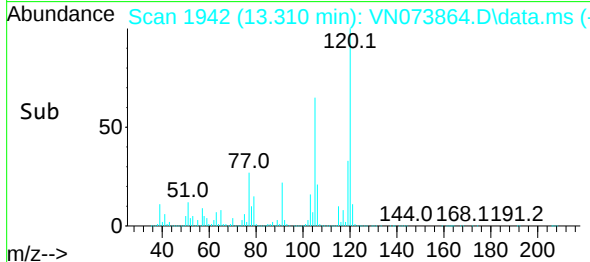
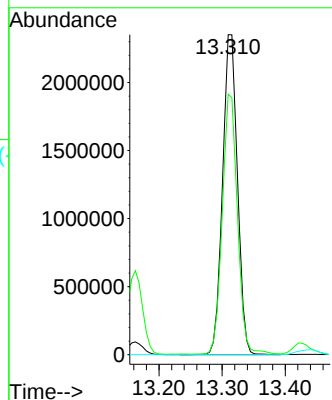
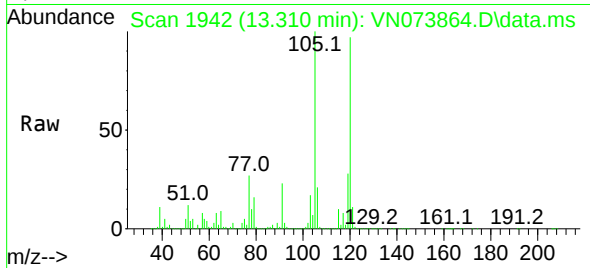




#83
tert-Butylbenzene
Concen: 115.735 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.047 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

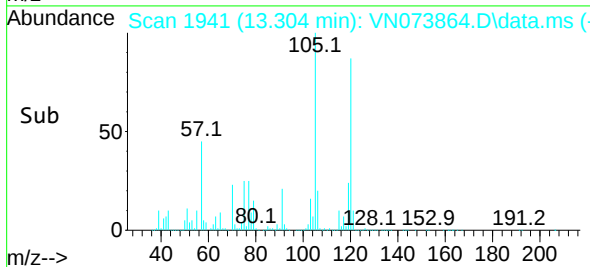
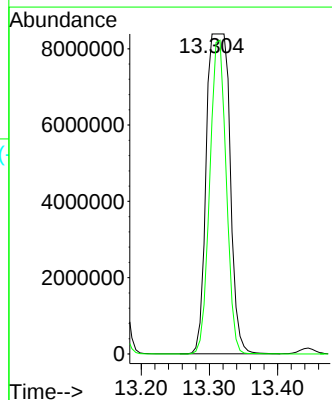
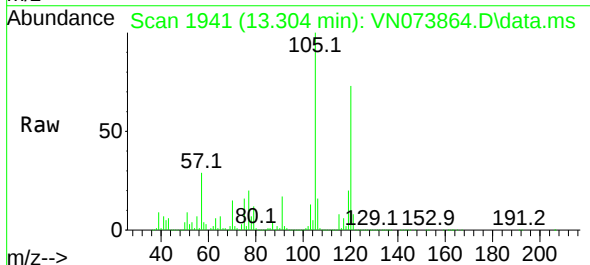
Instrument :
MSVOA_N
ClientSampleId :
11261

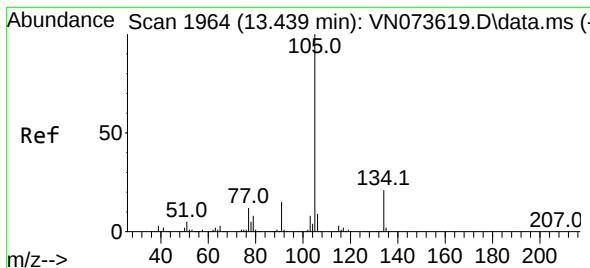
Tgt Ion:119 Resp: 3843621
Ion Ratio Lower Upper
119 100
91 82.8 31.6 94.8
134 0.0 13.7 41.1#



#84
1,2,4-Trimethylbenzene
Concen: 546.045 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion:105 Resp:20131488
Ion Ratio Lower Upper
105 100
120 68.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 438.589 ug/l

RT: 13.304 min Scan# 1964

Delta R.T. -0.135 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

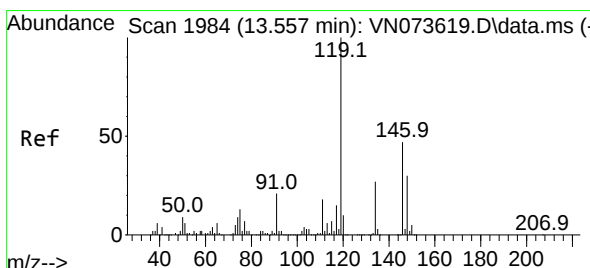
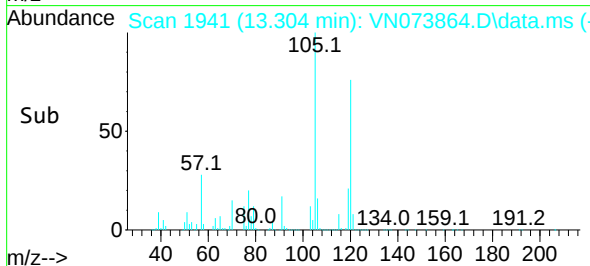
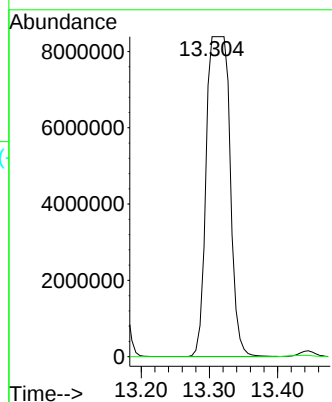
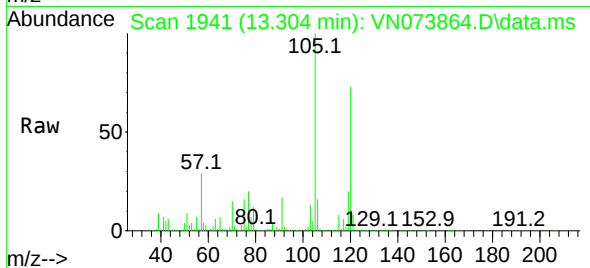
11261

Tgt Ion:105 Resp:20131488

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#



#86

p-Isopropyltoluene

Concen: 12.828 ug/l

RT: 13.504 min Scan# 1975

Delta R.T. -0.053 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

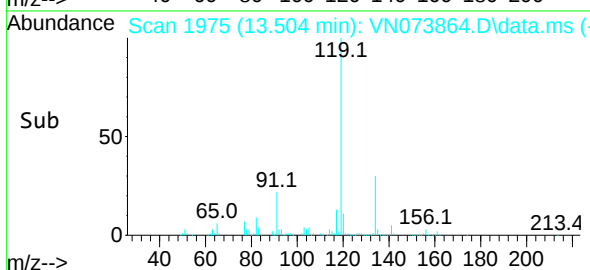
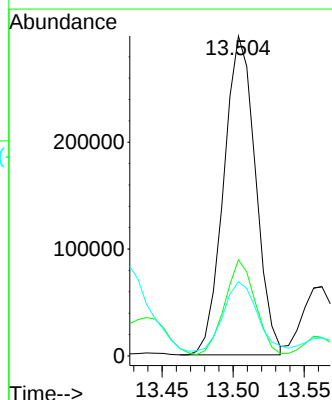
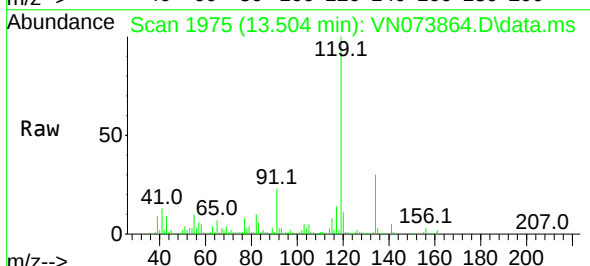
Tgt Ion:119 Resp: 464174

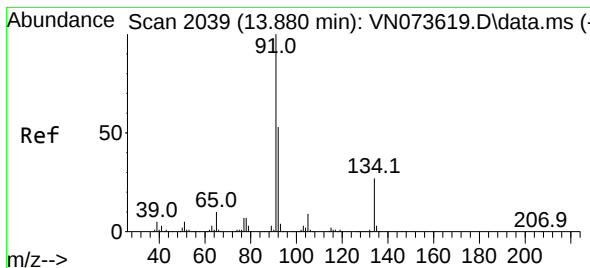
Ion Ratio Lower Upper

119 100

134 29.1 13.3 39.8

91 23.0 11.3 33.9





#89

n-Butylbenzene

Concen: 3.113 ug/l

RT: 13.880 min Scan# 2039

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

11261

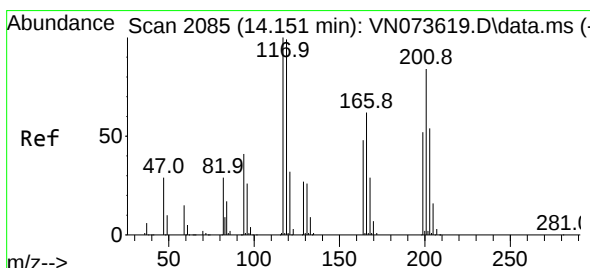
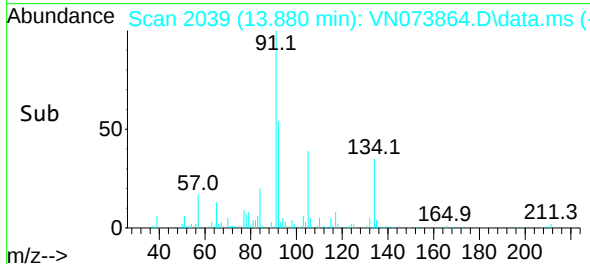
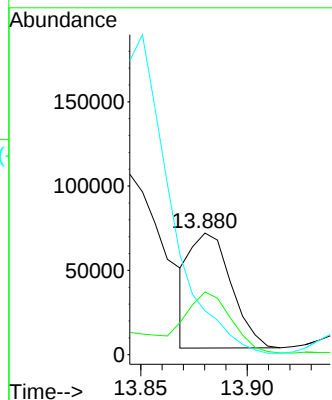
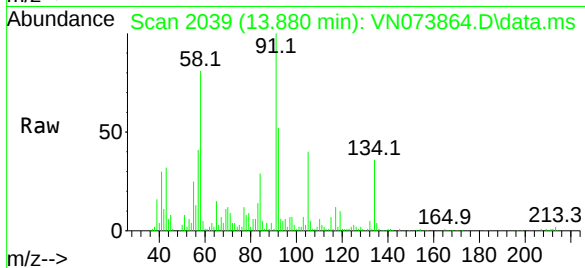
Tgt Ion: 91 Resp: 91650

Ion Ratio Lower Upper

91 100

92 58.3 26.9 80.7

134 0.0 13.6 40.8#



#90

Hexachloroethane

Concen: 7.249 ug/l

RT: 14.157 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VN073864.D

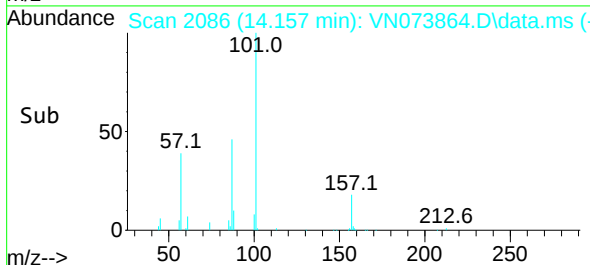
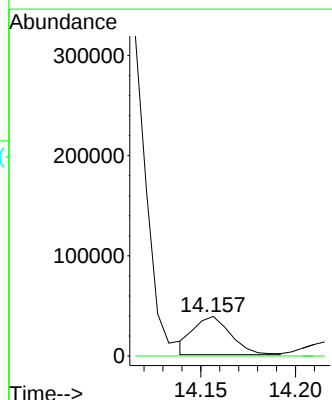
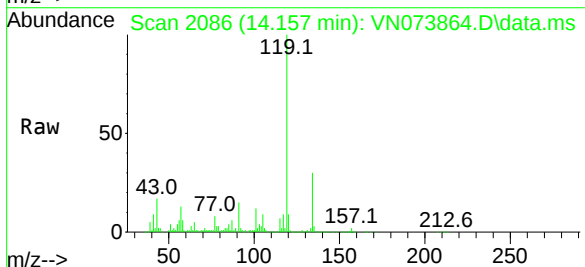
Acq: 12 Aug 2022 20:20

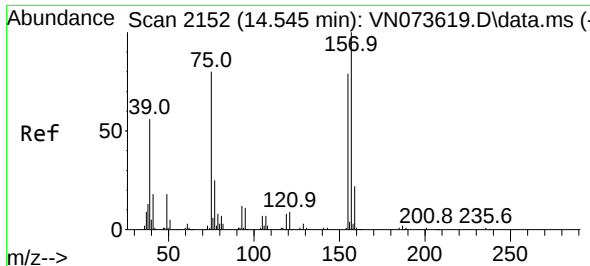
Tgt Ion: 117 Resp: 52041

Ion Ratio Lower Upper

117 100

201 0.0 40.6 122.0#

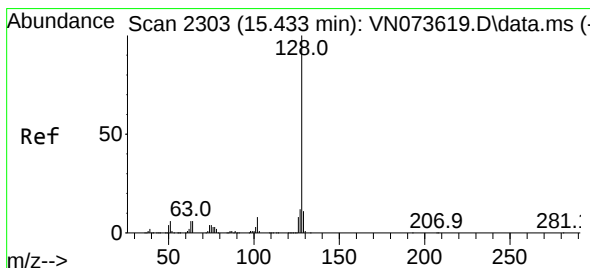
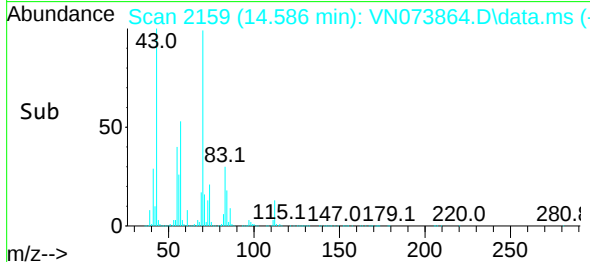
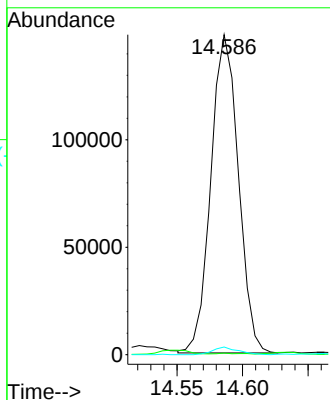
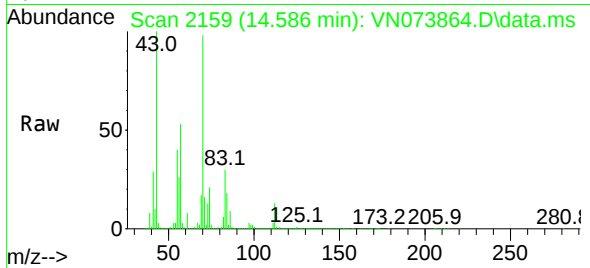




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.182 ug/l
 RT: 14.586 min Scan# 2159
 Delta R.T. 0.041 min
 Lab File: VN073864.D
 Acq: 12 Aug 2022 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 11261

Tgt Ion: 75 Resp: 216122
 Ion Ratio Lower Upper
 75 100
 155 0.5 44.9 134.5#
 157 2.2 59.0 176.8#



#95
 Naphthalene
 Concen: 45.007 ug/l
 RT: 15.433 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN073864.D
 Acq: 12 Aug 2022 20:20

Tgt Ion: 128 Resp: 1591703
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.3 15.5
 129 11.3 8.6 13.0

