

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061722\
 Data File : VN072909.D
 Acq On : 17 Jun 2022 13:50
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Jun 18 05:43:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 05:42:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.828	168	148	50.000	ug/l	#-0.19
34) 1,4-Difluorobenzene	8.639	114	567722	50.000	ug/l	-0.26
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.68
72) 1,4-Dichlorobenzene-d4	13.592	152	216059	50.000	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.022	65	5699	2236.374	ug/l	-0.35
Spiked Amount	50.000	Range	74 - 125	Recovery	= 4472.740%#	
35) Dibromofluoromethane	7.633	113	620	0.130	ug/l	-0.32
Spiked Amount	50.000	Range	75 - 124	Recovery	= 0.260%#	
50) Toluene-d8	10.251	98	13579	0.727	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	= 1.460%#	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	= 0.000%#	

Target Compounds						Qvalue
3) Chloromethane	2.216	50	72	32.677	ug/l #	43
4) Vinyl Chloride	2.157	62	59	34.433	ug/l #	43
6) Chloroethane	2.898	64	88	86.467	ug/l #	42
7) Trichlorofluoromethane	3.128	101	3315	1048.278	ug/l	93
8) Diethyl Ether	3.781	74	1367	994.920	ug/l #	7
14) Allyl chloride	4.645	41	223	56.205	ug/l #	24
16) Acetone	4.034	43	78	59.205	ug/l #	42
18) Methyl Acetate	4.569	43	3115	828.061	ug/l #	52
23) Vinyl Acetate	6.092	43	67	10.044	ug/l #	68
25) 2-Butanone	7.139	43	2476	1177.687	ug/l #	1
27) cis-1,2-Dichloroethene	6.933	96	58	23.135	ug/l #	1
28) Bromochloromethane	7.304	49	316	190.960	ug/l #	8
29) Tetrahydrofuran	7.333	42	120	86.324	ug/l #	29
30) Chloroform	7.286	83	4504	1134.516	ug/l	98
31) Cyclohexane	7.716	56	7458	2170.532	ug/l #	12
32) 1,1,1-Trichloroethane	7.516	97	5436	1556.806	ug/l #	50
36) 1,1-Dichloropropene	7.763	75	5341	0.805	ug/l	95
37) Ethyl Acetate	7.139	43	2476	0.258	ug/l #	67
38) Carbon Tetrachloride	7.745	117	5203	0.731	ug/l #	88
39) Methylcyclohexane	9.175	83	6011	0.731	ug/l	87
40) Benzene	8.045	78	14756	0.698	ug/l	90
42) 1,2-Dichloroethane	8.133	62	5502	0.723	ug/l	99
43) Isopropyl Acetate	8.192	43	9676	0.646	ug/l #	91
44) Trichloroethene	8.910	130	4263	0.759	ug/l	90
45) 1,2-Dichloropropane	9.210	63	3719	0.697	ug/l #	85
46) Dibromomethane	9.316	93	2383	0.646	ug/l	98
47) Bromodichloromethane	9.522	83	4873	0.653	ug/l #	93
48) Methyl methacrylate	9.175	41	2419	0.355	ug/l #	68
49) 1,4-Dioxane	9.316	88	1887	13.020	ug/l	91
51) 4-Methyl-2-Pentanone	10.145	43	30614	3.153	ug/l	94
52) Toluene	10.321	92	8713	0.640	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	5128	0.605	ug/l	93
54) cis-1,3-Dichloropropene	9.986	75	5763	0.654	ug/l	93
55) 1,1,2-Trichloroethane	10.745	97	4147	0.752	ug/l #	85
56) Ethyl methacrylate	10.604	69	5786	0.620	ug/l #	76
57) 1,3-Dichloropropane	10.898	76	6537	0.697	ug/l	94

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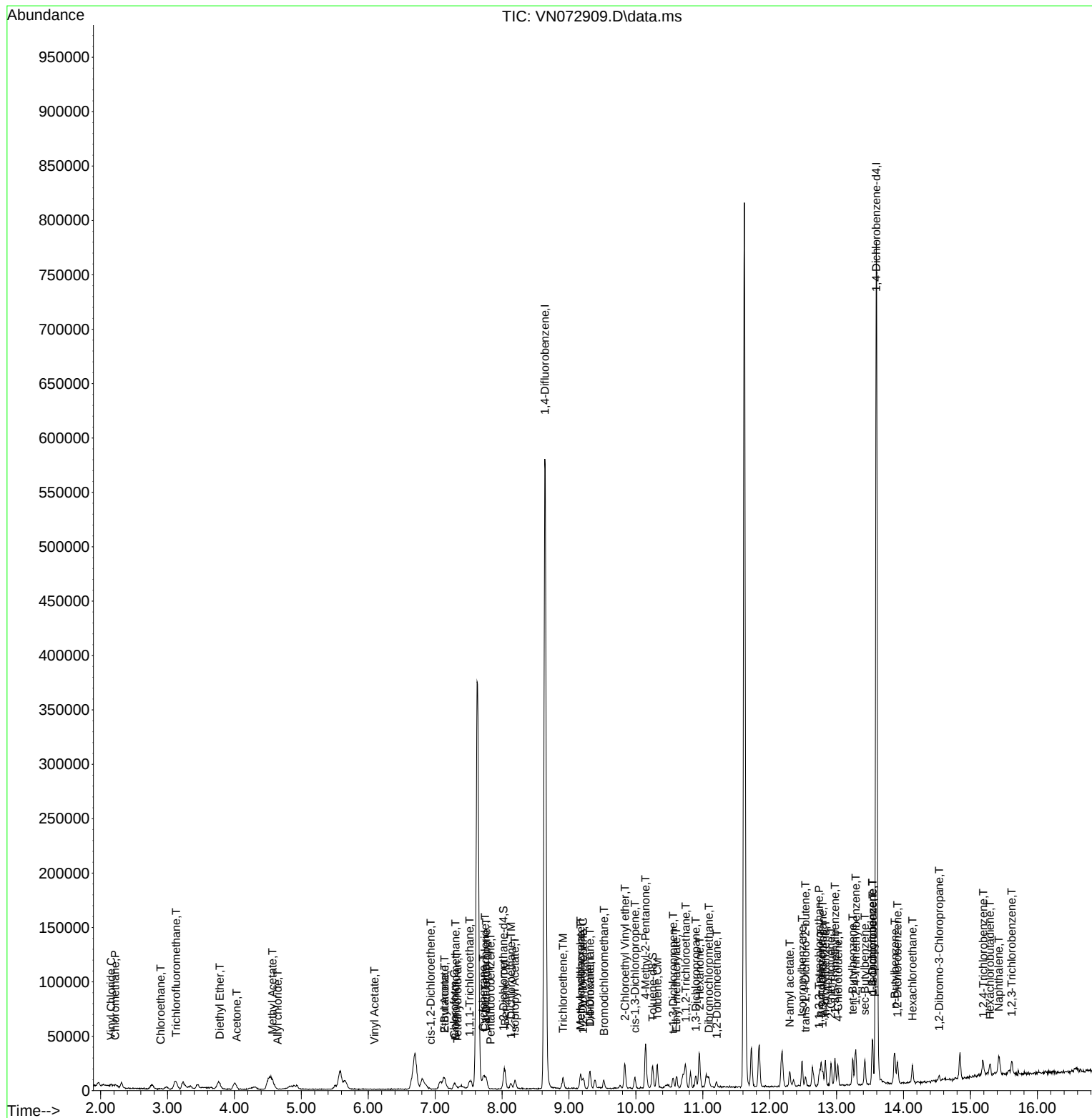
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 2-Chloroethyl Vinyl ether	9.839	63	9802	2.890	ug/l	94
59) 2-Hexanone	10.951	43	21347	2.964	ug/l	92
60) Dibromochloromethane	11.092	129	3455	0.589	ug/l	95
61) 1,2-Dibromoethane	11.210	107	3533	0.593	ug/l	97
73) Isopropylbenzene	12.486	105	15642	0.776	ug/l	100
74) N-amyl acetate	12.298	43	8224	0.937	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.739	83	5628	0.849	ug/l	96
76) 1,2,3-Trichloropropane	12.792	75	7420	1.201	ug/l #	1
77) Bromobenzene	12.768	156	4063	0.862	ug/l	97
78) n-propylbenzene	12.833	91	17042	0.810	ug/l	100
79) 2-Chlorotoluene	12.915	91	11667	0.854	ug/l	95
80) 1,3,5-Trimethylbenzene	12.974	105	13294	0.820	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.533	75	1752	0.794	ug/l #	84
82) 4-Chlorotoluene	13.021	91	11656	0.919	ug/l	98
83) tert-Butylbenzene	13.239	119	11615	0.797	ug/l	96
84) 1,2,4-Trimethylbenzene	13.286	105	13220	0.848	ug/l	98
85) sec-Butylbenzene	13.421	105	15545	0.826	ug/l	97
86) p-Isopropyltoluene	13.539	119	12982	0.852	ug/l	99
87) 1,3-Dichlorobenzene	13.533	146	7083	0.915	ug/l	96
88) 1,4-Dichlorobenzene	13.533	146	7083	0.904	ug/l	96
89) n-Butylbenzene	13.868	91	10709	0.909	ug/l	98
90) Hexachloroethane	14.133	117	2629	0.809	ug/l	84
91) 1,2-Dichlorobenzene	13.909	146	7991	1.015	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.533	75	1559	0.948	ug/l	79
93) 1,2,4-Trichlorobenzene	15.192	180	4773	1.199	ug/l	94
94) Hexachlorobutadiene	15.292	225	1755	0.896	ug/l	86
95) Naphthalene	15.421	128	15775	1.131	ug/l	97
96) 1,2,3-Trichlorobenzene	15.615	180	4352	1.098	ug/l	93

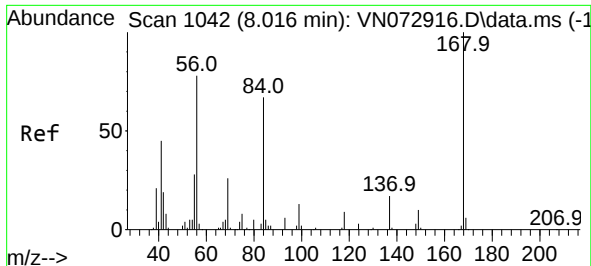
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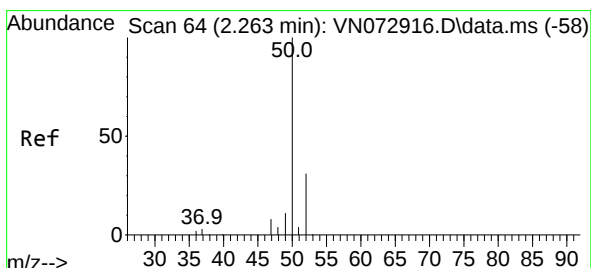
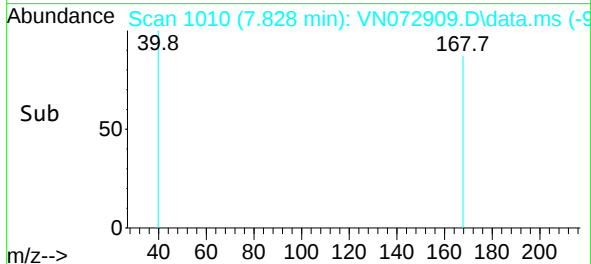
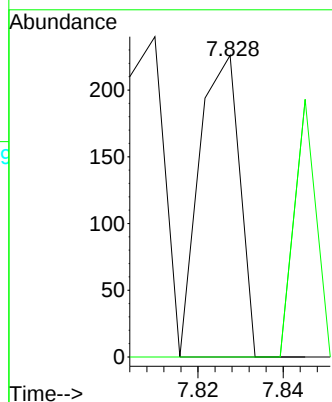
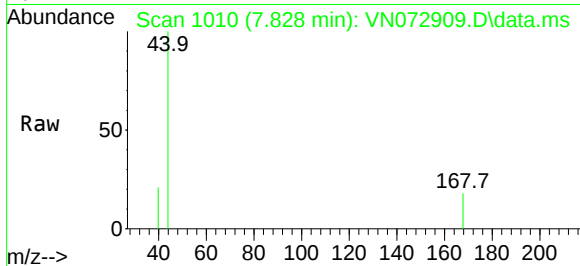




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.828 min Scan# 10
Delta R.T. -0.188 min
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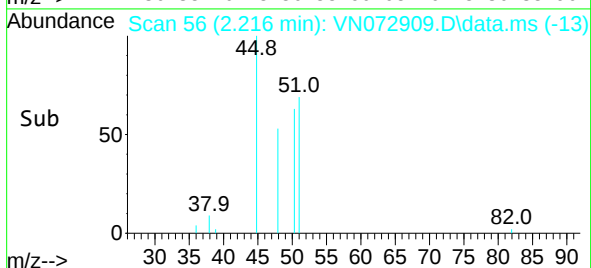
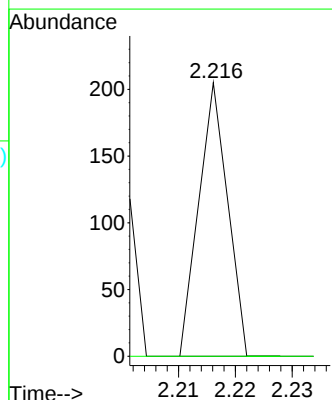
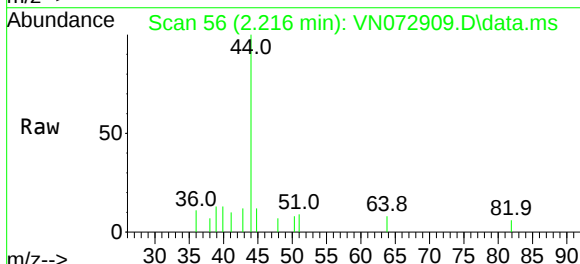
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

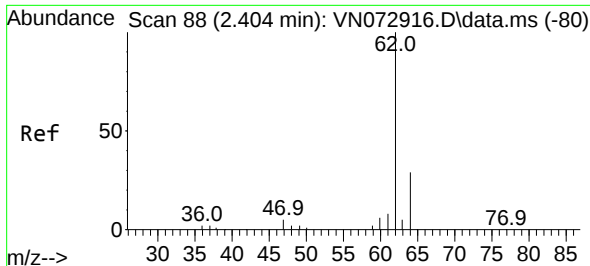
Tgt Ion:168 Resp: 148
Ion Ratio Lower Upper
168 100
99 0.0 42.3 63.5#



#3
Chloromethane
Concen: 32.677 ug/l
RT: 2.216 min Scan# 56
Delta R.T. -0.047 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 50 Resp: 72
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

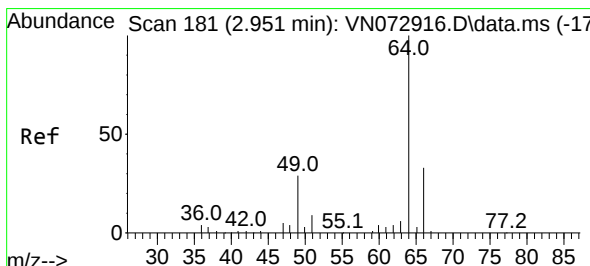
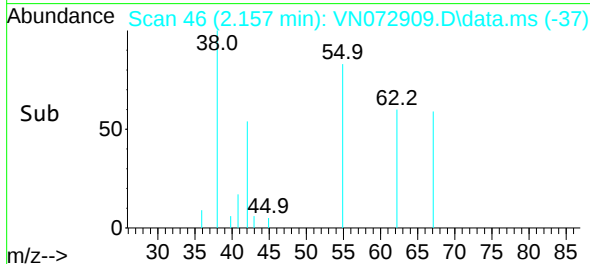
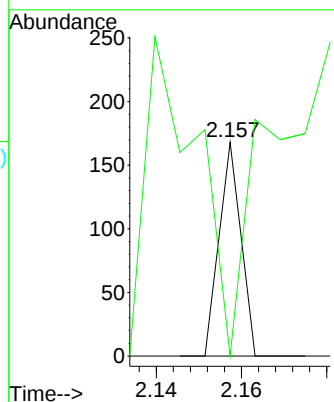
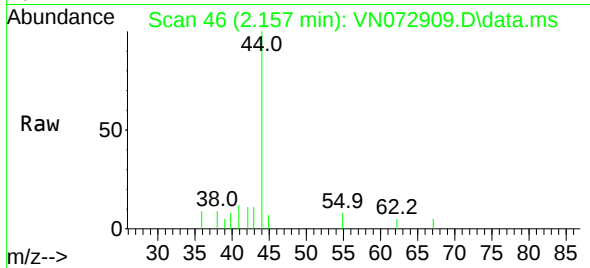




#4
 Vinyl Chloride
 Concen: 34.433 ug/l
 RT: 2.157 min Scan# 41
 Delta R.T. -0.247 min
 Lab File: VN072909.D
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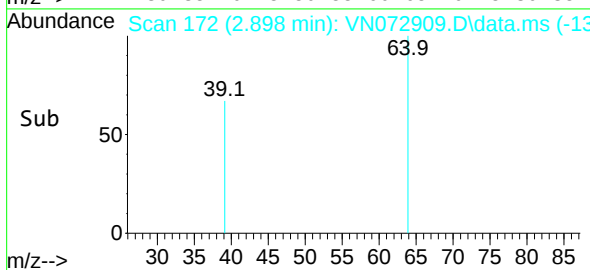
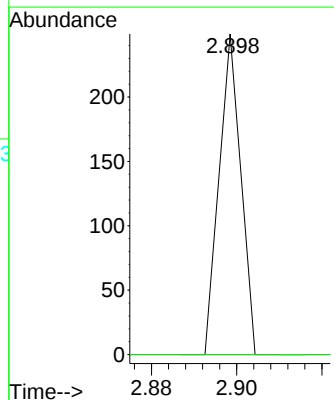
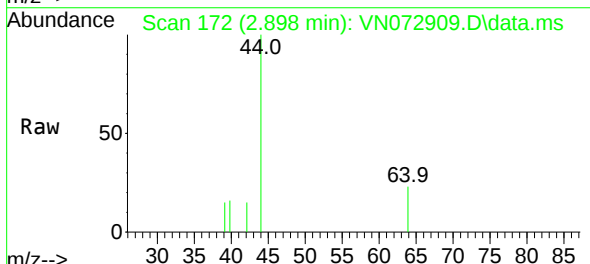
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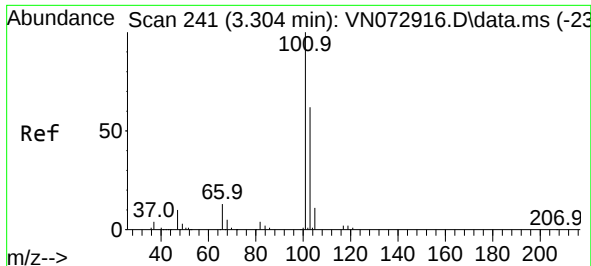
Tgt Ion: 62 Resp: 59
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.4#



#6
 Chloroethane
 Concen: 86.467 ug/l
 RT: 2.898 min Scan# 172
 Delta R.T. -0.053 min
 Lab File: VN072909.D
 Acq: 17 Jun 2022 13:50

Tgt Ion: 64 Resp: 88
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.2 39.4#

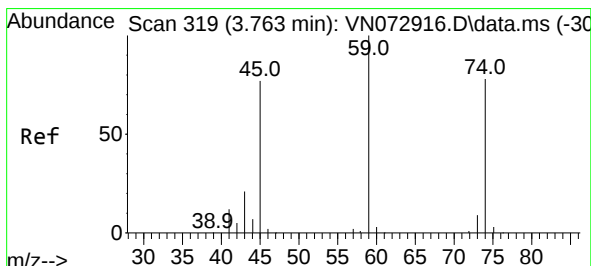
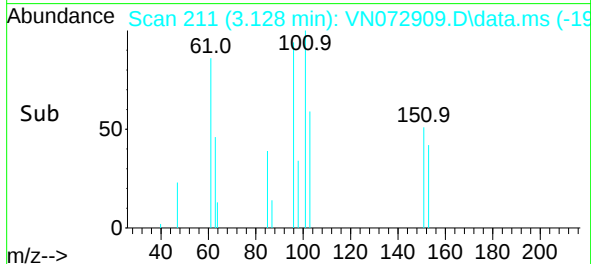
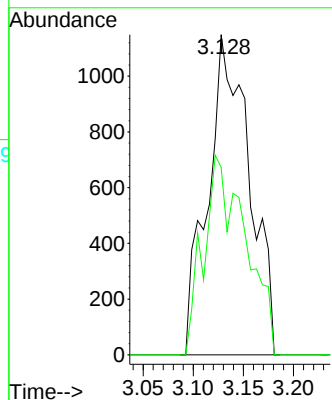
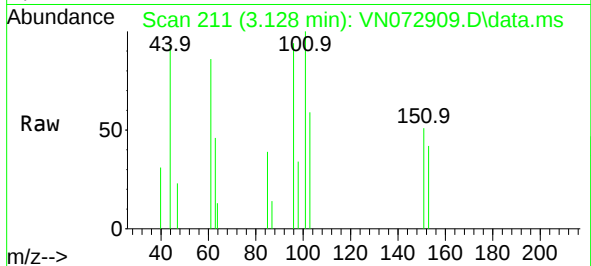




#7
 Trichlorofluoromethane
 Concen: 1048.278 ug/l
 RT: 3.128 min Scan# 211
 Delta R.T. -0.176 min
 Lab File: VN072909.D
 Acq: 17 Jun 2022 13:50

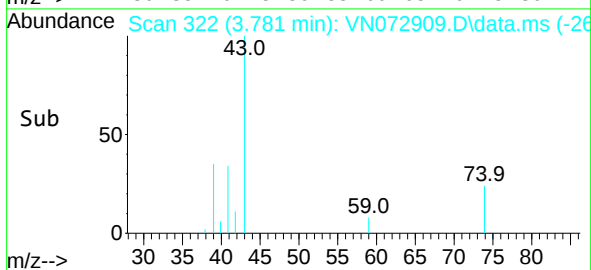
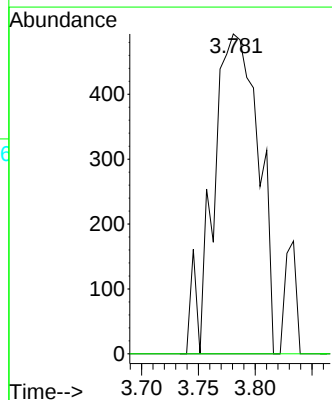
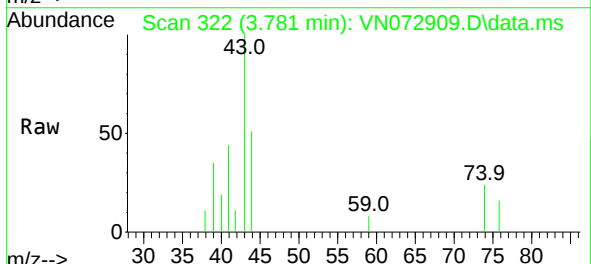
Instrument :
 MSVOA_N
 ClientSampleId :
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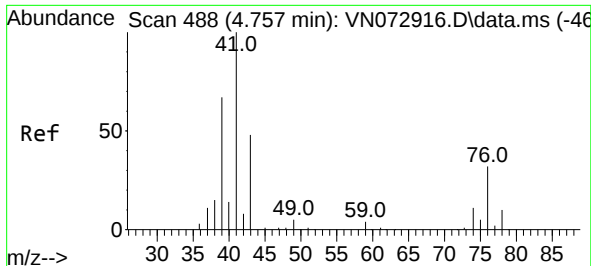
Tgt Ion:101 Resp: 3315
 Ion Ratio Lower Upper
 101 100
 103 58.6 51.5 77.3



#8
 Diethyl Ether
 Concen: 994.920 ug/l
 RT: 3.781 min Scan# 322
 Delta R.T. 0.018 min
 Lab File: VN072909.D
 Acq: 17 Jun 2022 13:50

Tgt Ion: 74 Resp: 1367
 Ion Ratio Lower Upper
 74 100
 45 0.0 42.9 128.5#





#14

Allyl chloride

Concen: 56.205 ug/l

RT: 4.645 min Scan# 41

Delta R.T. -0.112 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

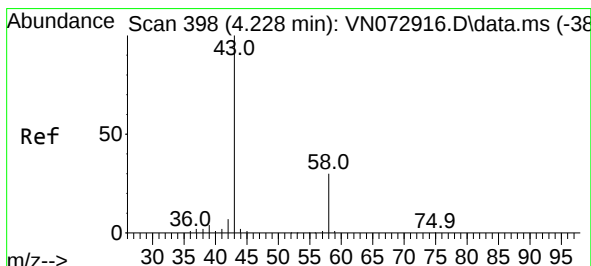
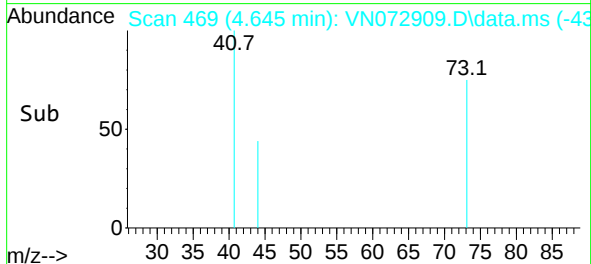
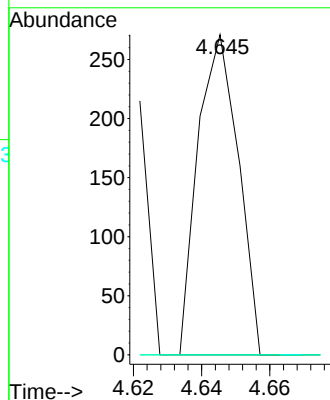
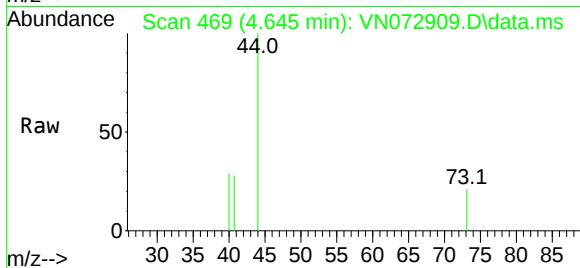
Tgt Ion: 41 Resp: 223

Ion Ratio Lower Upper

41 100

39 0.0 53.2 79.8#

76 0.0 29.9 44.9#



#16

Acetone

Concen: 59.205 ug/l

RT: 4.034 min Scan# 365

Delta R.T. -0.194 min

Lab File: VN072909.D

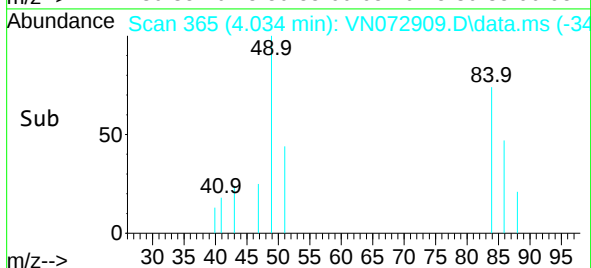
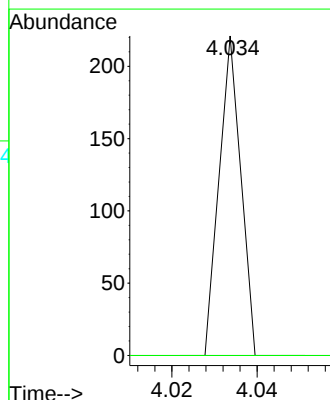
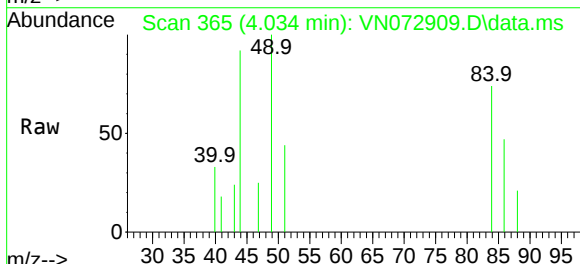
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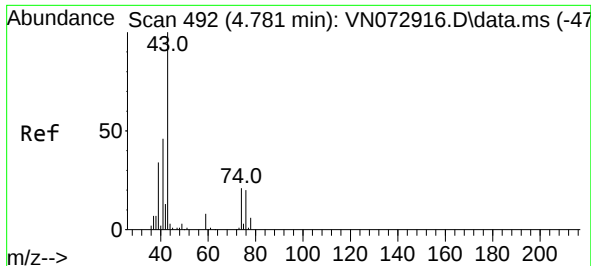
Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#

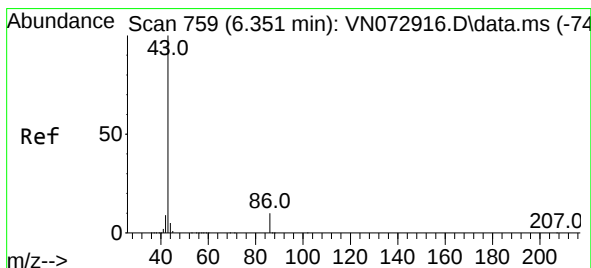
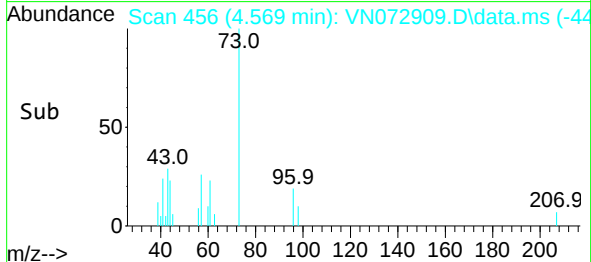
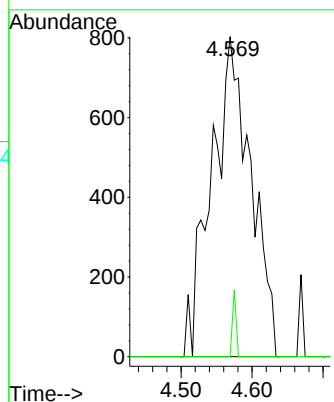
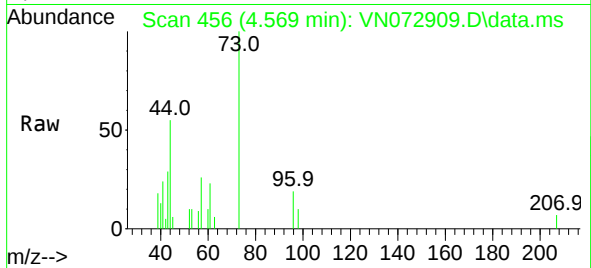




#18
Methyl Acetate
Concen: 828.061 ug/l
RT: 4.569 min Scan# 411
Delta R.T. -0.212 min
Lab File: VN072909.D
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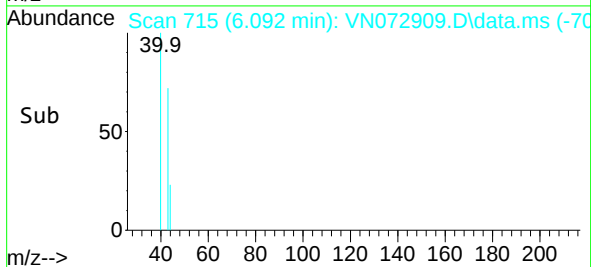
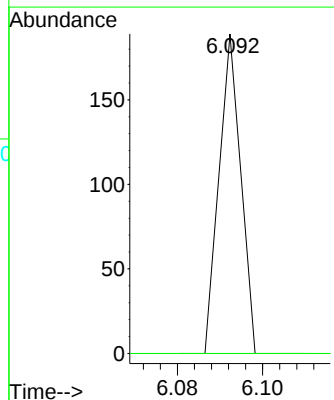
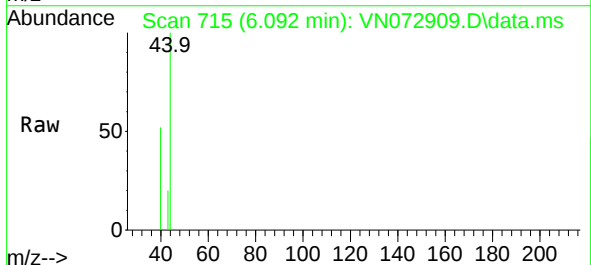
Instrument :
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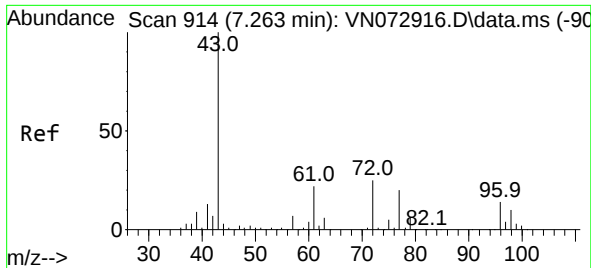
Tgt Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
74 1.9 21.6 32.4#



#23
Vinyl Acetate
Concen: 10.044 ug/l
RT: 6.092 min Scan# 715
Delta R.T. -0.259 min
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Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
86 0.0 10.0 15.0#

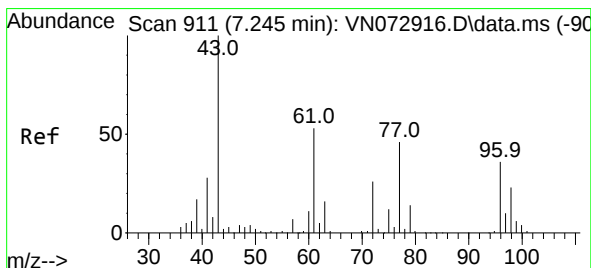
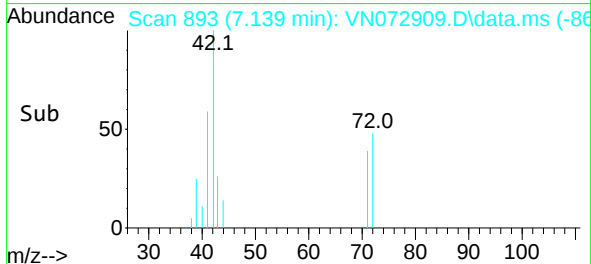
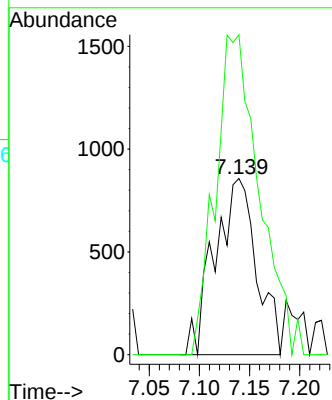
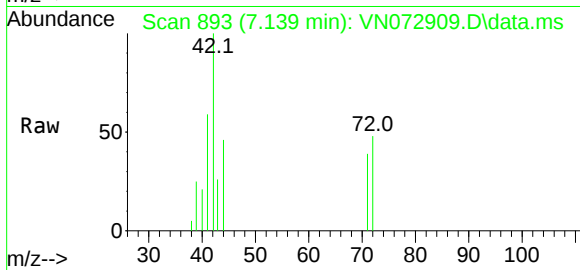




#25
2-Butanone
Concen: 1177.687 ug/l
RT: 7.139 min Scan# 891
Delta R.T. -0.124 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

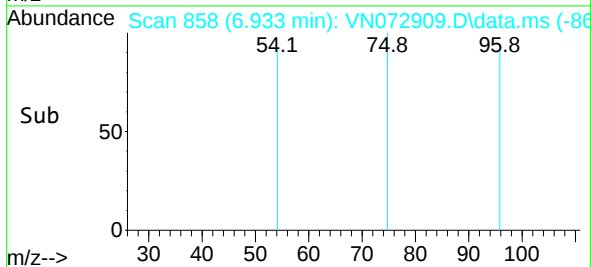
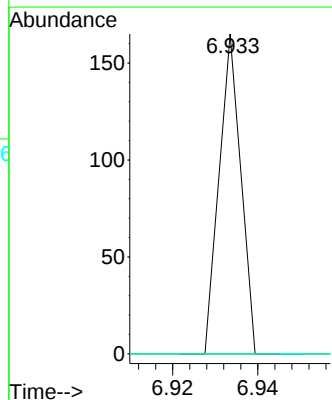
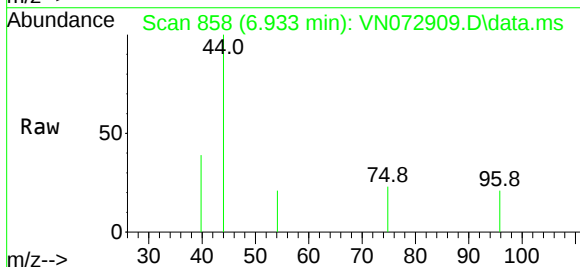
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

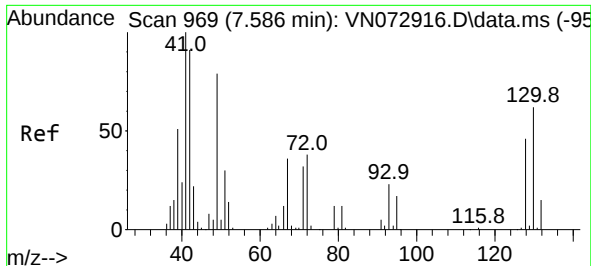
Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
72 181.7 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 23.135 ug/l
RT: 6.933 min Scan# 858
Delta R.T. -0.312 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 96 Resp: 58
Ion Ratio Lower Upper
96 100
61 0.0 0.0 280.6
98 0.0 0.0 128.4

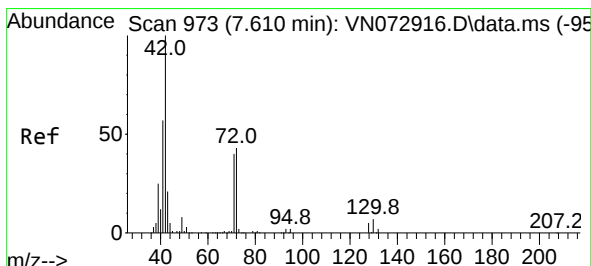
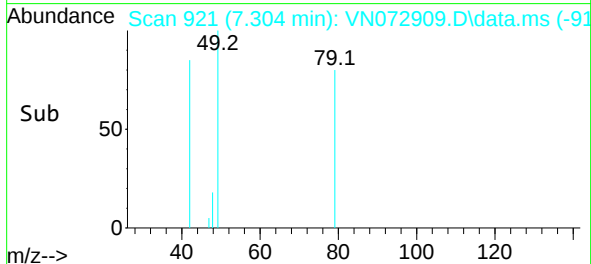
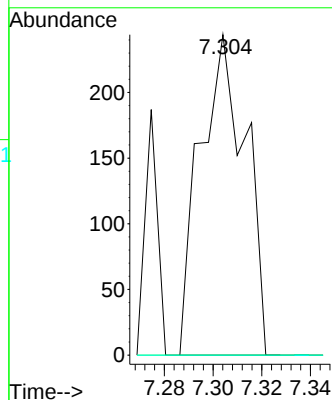
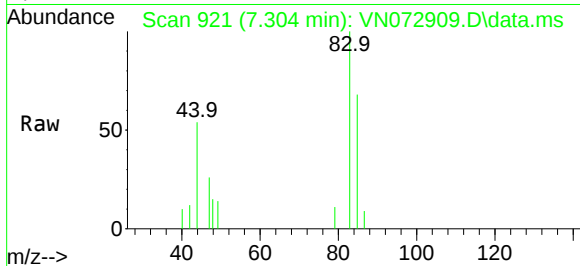




#28
Bromochloromethane
Concen: 190.960 ug/l
RT: 7.304 min Scan# 91
Delta R.T. -0.282 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

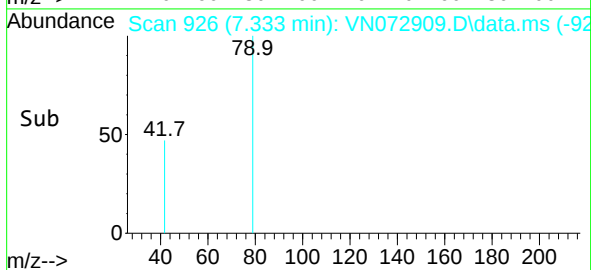
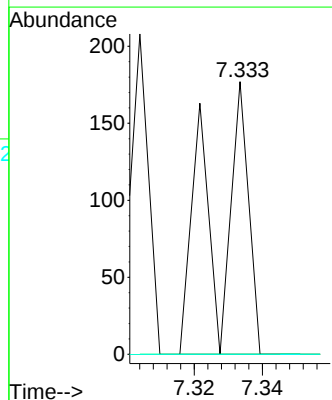
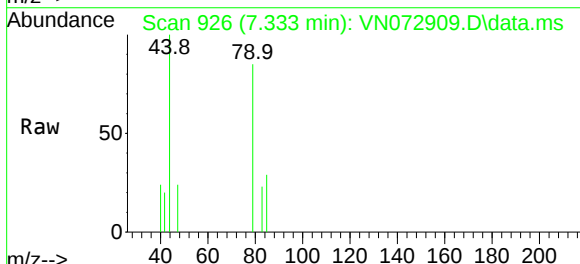
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

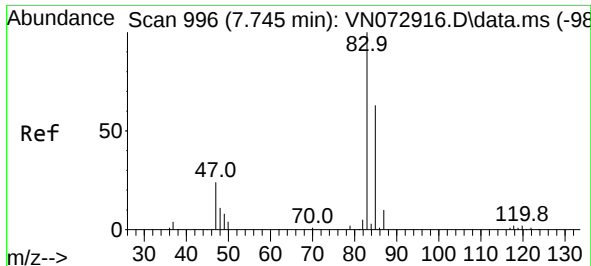
Tgt Ion: 49 Resp: 316
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#29
Tetrahydrofuran
Concen: 86.324 ug/l
RT: 7.333 min Scan# 926
Delta R.T. -0.276 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 42 Resp: 120
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 0.0 36.6 55.0#

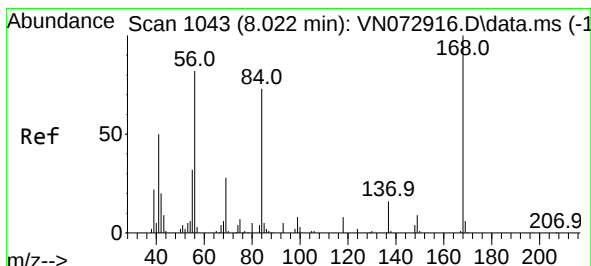
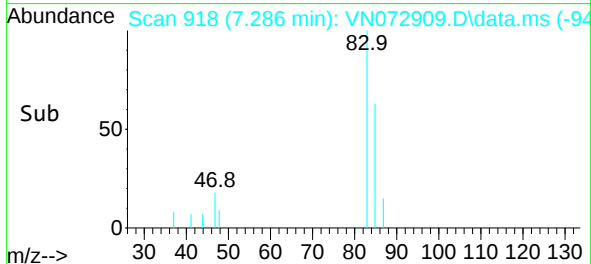
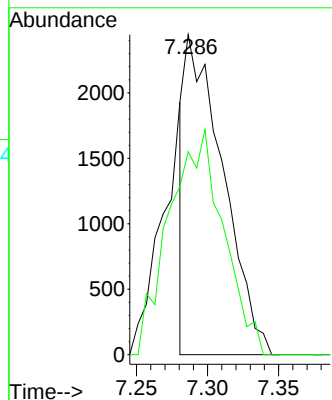
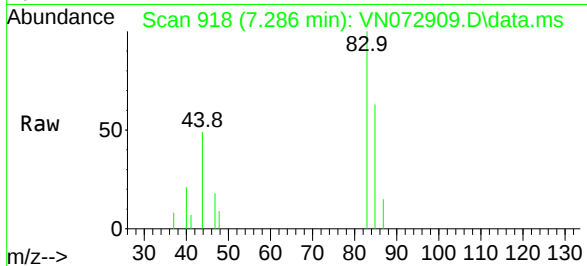




#30
Chloroform
Concen: 1134.516 ug/l
RT: 7.286 min Scan# 911
Delta R.T. -0.459 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

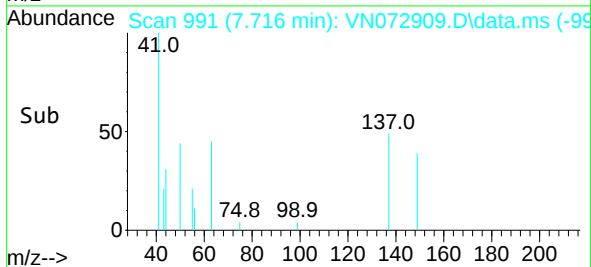
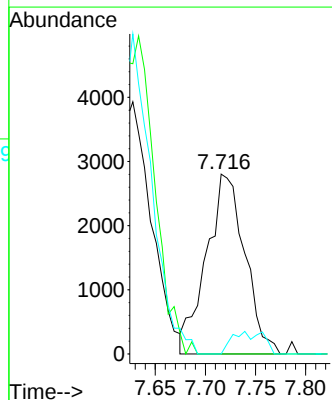
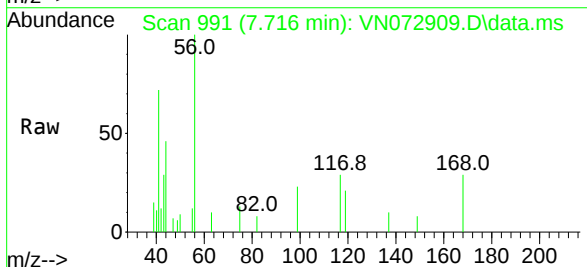
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

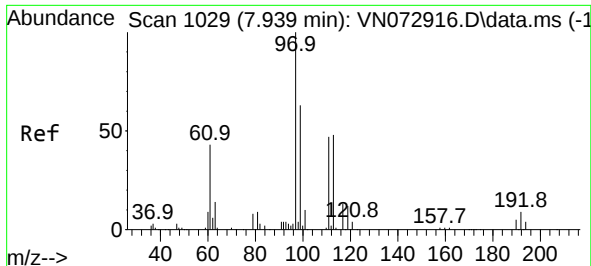
Tgt Ion: 83 Resp: 4504
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.8



#31
Cyclohexane
Concen: 2170.532 ug/l
RT: 7.716 min Scan# 991
Delta R.T. -0.306 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 56 Resp: 7458
Ion Ratio Lower Upper
56 100
69 0.0 27.8 41.8#
84 0.0 76.9 115.3#





#32

1,1,1-Trichloroethane

Concen: 1556.806 ug/l

RT: 7.516 min Scan# 91

Delta R.T. -0.424 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

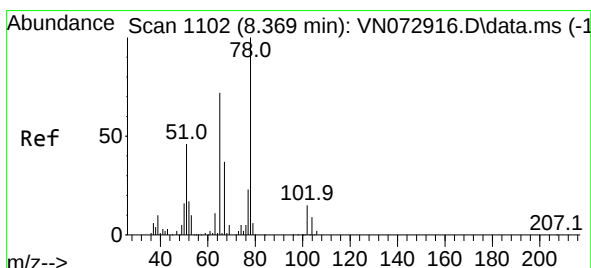
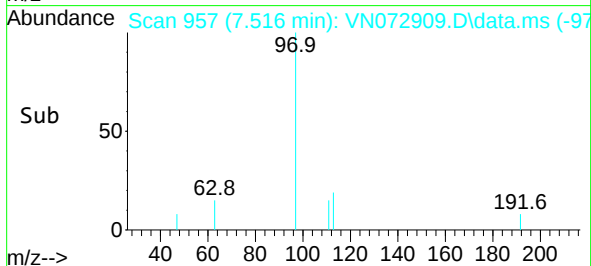
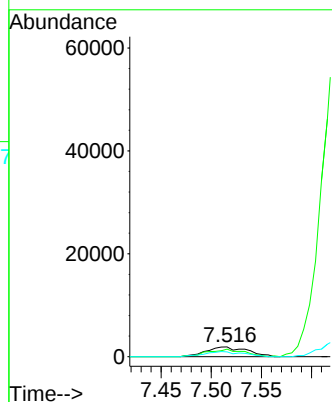
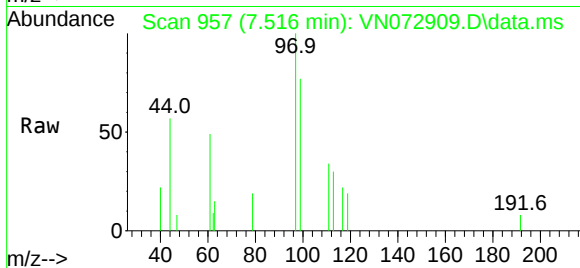
Tgt Ion: 97 Resp: 5436

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

61 48.7 36.0 54.0



#33

1,2-Dichloroethane-d4

Concen: 2236.374 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.347 min

Lab File: VN072909.D

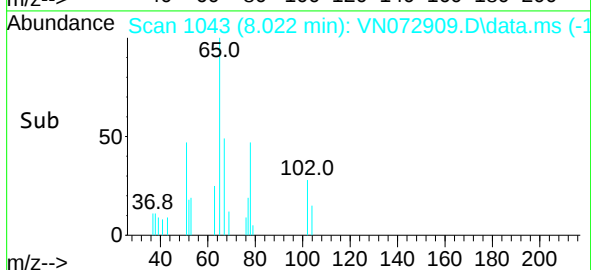
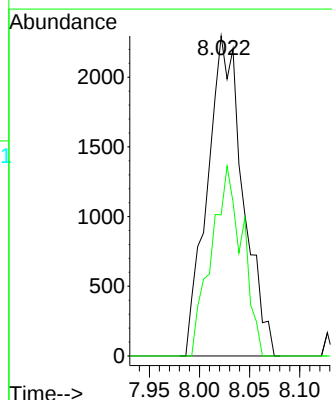
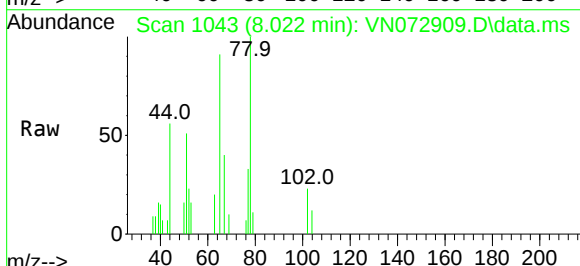
Acq: 17 Jun 2022 13:50

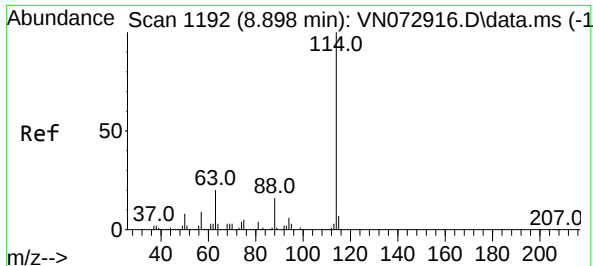
Tgt Ion: 65 Resp: 5699

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.639 min Scan# 1148

Delta R.T. -0.259 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

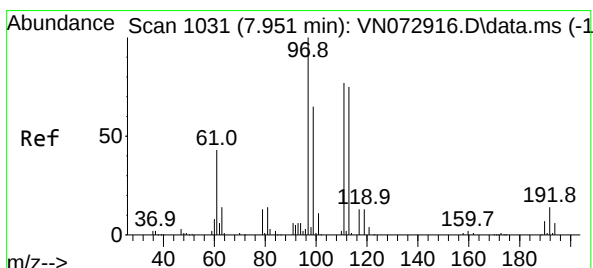
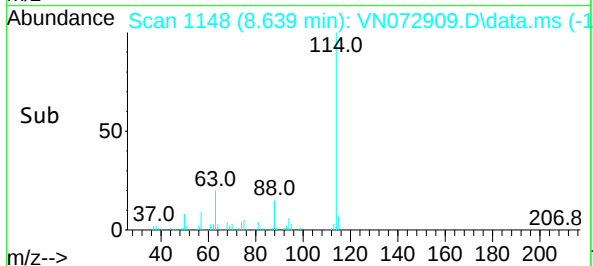
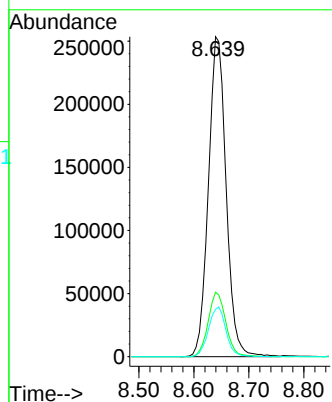
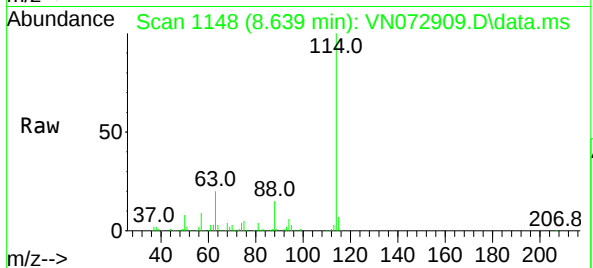
Tgt Ion:114 Resp: 567722

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 0.130 ug/l

RT: 7.633 min Scan# 977

Delta R.T. -0.318 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

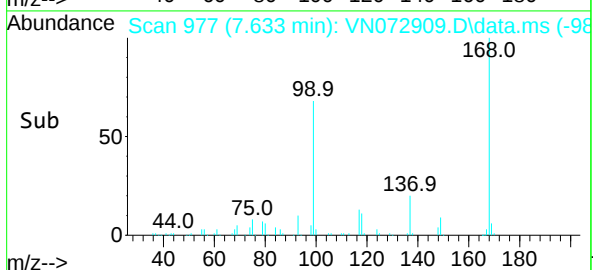
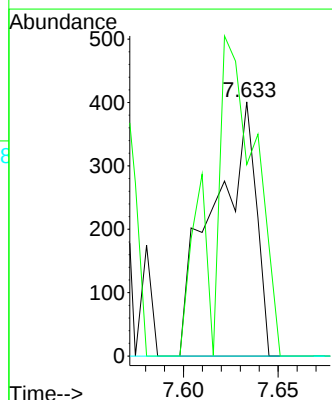
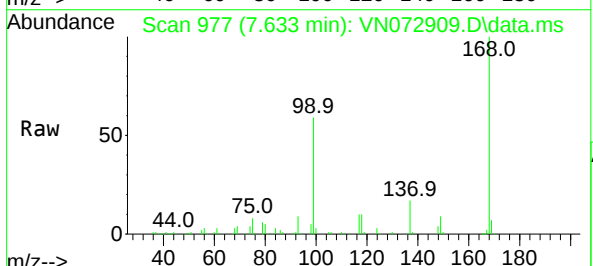
Tgt Ion:113 Resp: 620

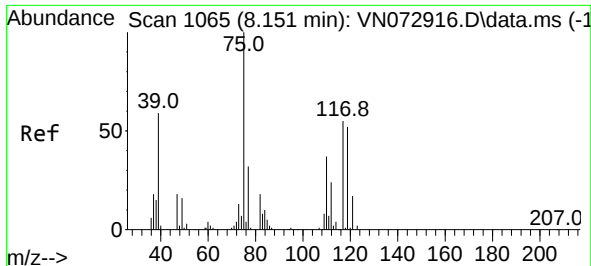
Ion Ratio Lower Upper

113 100

111 129.0 81.4 122.0#

192 0.0 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 0.805 ug/l

RT: 7.763 min Scan# 91

Delta R.T. -0.388 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

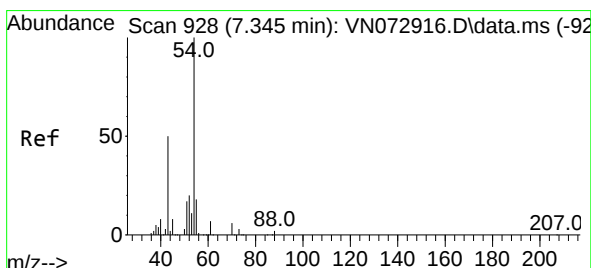
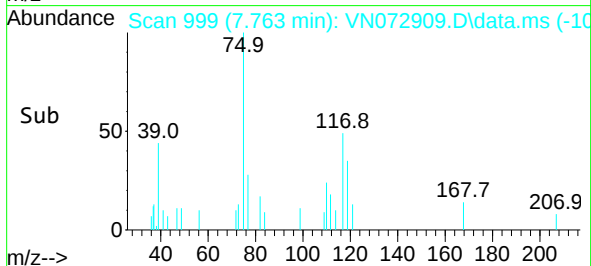
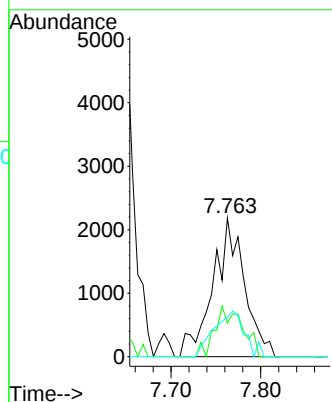
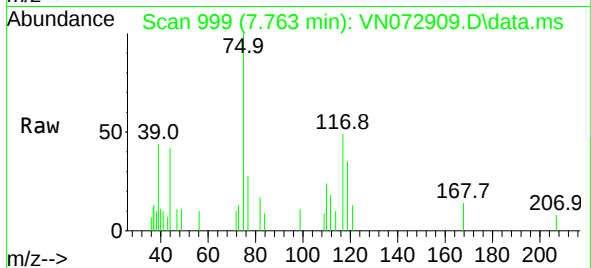
Tgt Ion: 75 Resp: 5341

Ion Ratio Lower Upper

75 100

110 31.6 18.3 54.8

77 31.6 25.1 37.7



#37

Ethyl Acetate

Concen: 0.258 ug/l

RT: 7.139 min Scan# 893

Delta R.T. -0.206 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

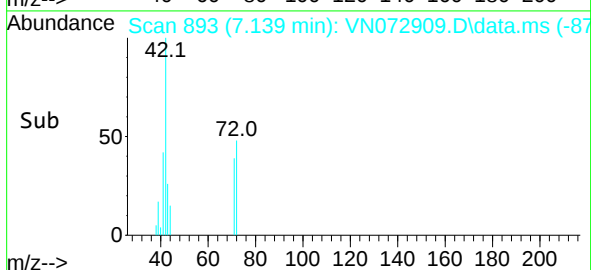
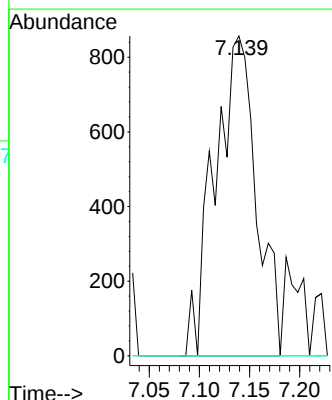
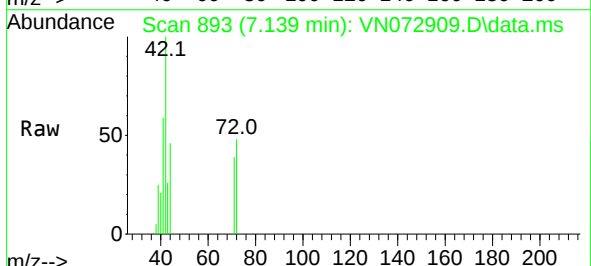
Tgt Ion: 43 Resp: 2476

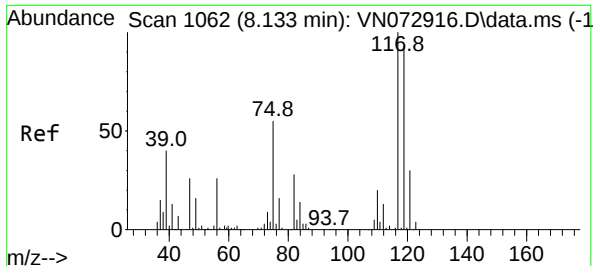
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

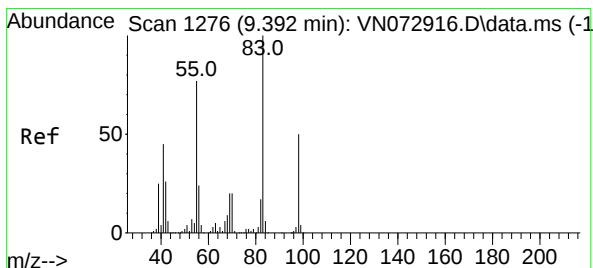
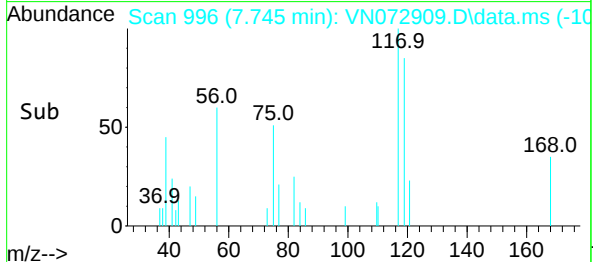
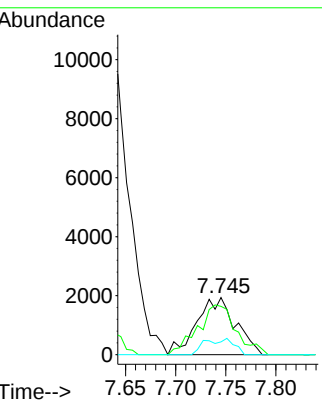
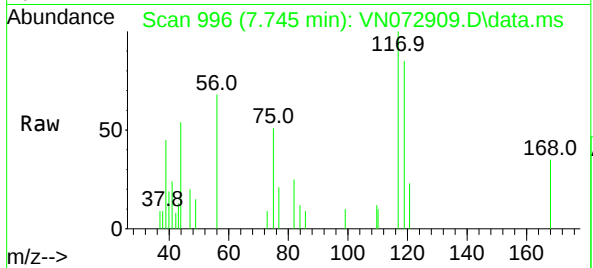




#38
Carbon Tetrachloride
Concen: 0.731 ug/l
RT: 7.745 min Scan# 91
Delta R.T. -0.388 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

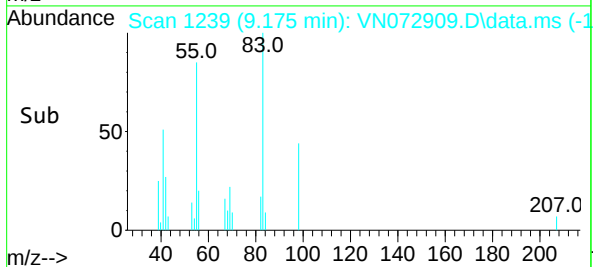
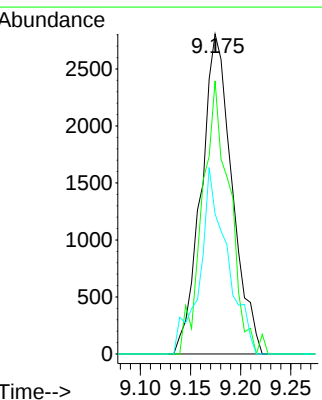
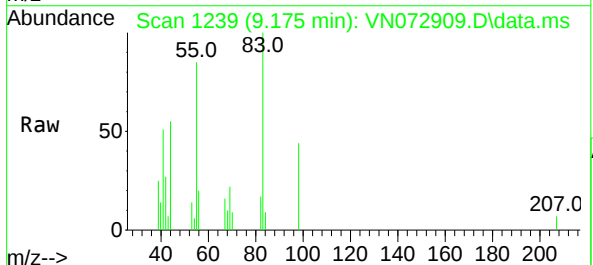
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

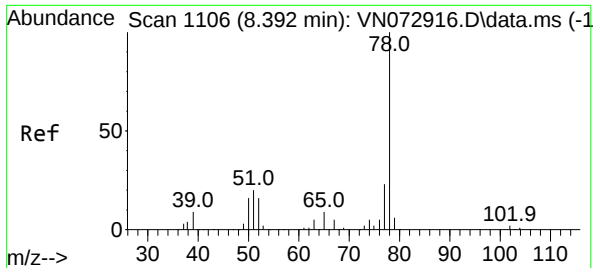
Tgt Ion:117 Resp: 5203
Ion Ratio Lower Upper
117 100
119 84.7 75.8 113.8
121 22.6 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.731 ug/l
RT: 9.175 min Scan# 1239
Delta R.T. -0.218 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 83 Resp: 6011
Ion Ratio Lower Upper
83 100
55 85.3 57.8 86.8
98 43.7 39.4 59.2





#40

Benzene

Concen: 0.698 ug/l

RT: 8.045 min Scan# 1047

Delta R.T. -0.347 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

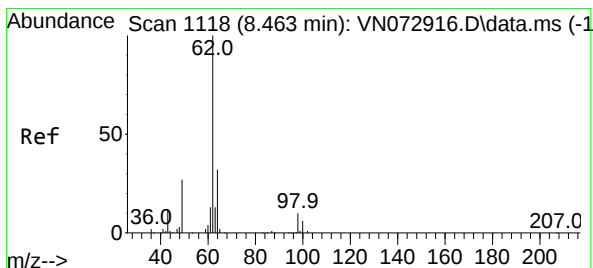
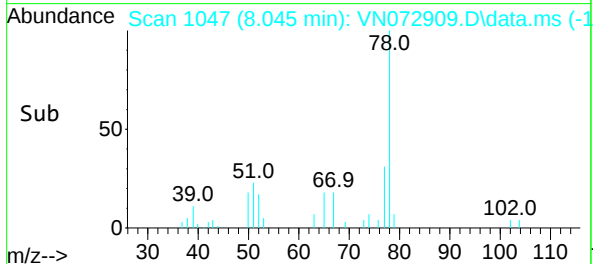
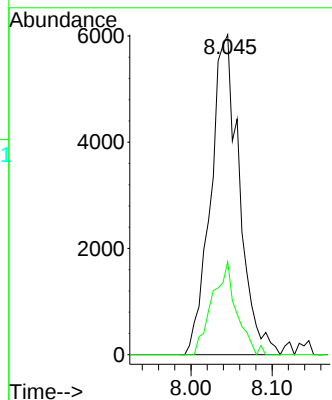
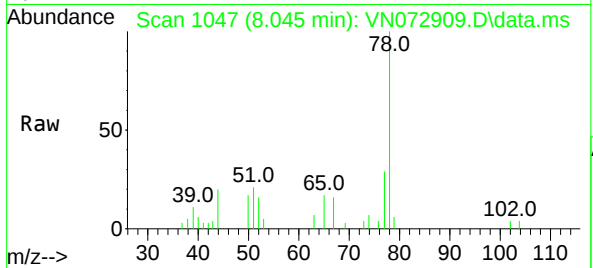
VSTDIC001

Tgt Ion: 78 Resp: 14756

Ion Ratio Lower Upper

78 100

77 29.0 19.4 29.0



#42

1,2-Dichloroethane

Concen: 0.723 ug/l

RT: 8.133 min Scan# 1062

Delta R.T. -0.329 min

Lab File: VN072909.D

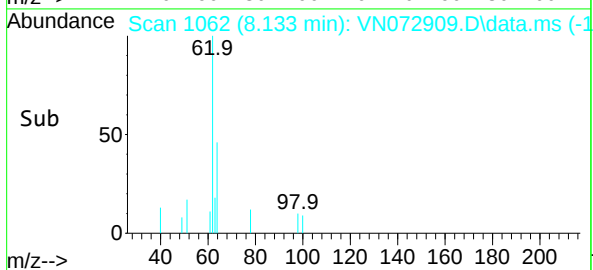
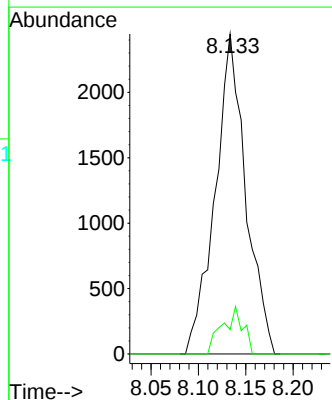
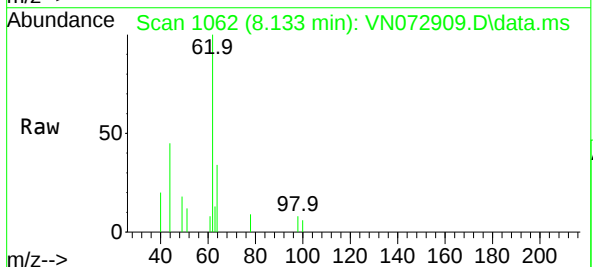
Acq: 17 Jun 2022 13:50

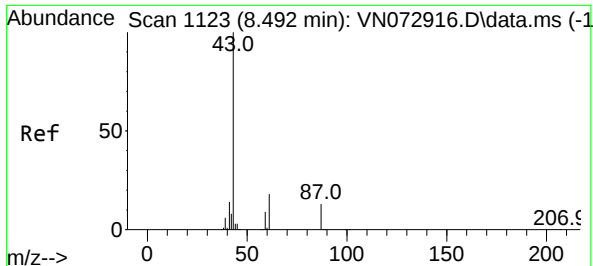
Tgt Ion: 62 Resp: 5502

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.4

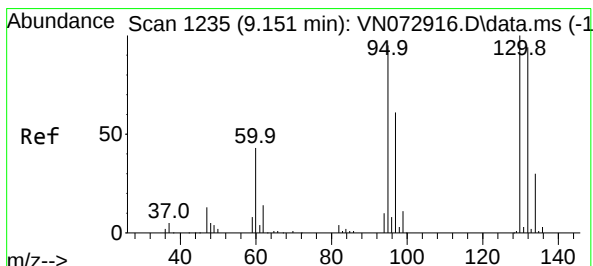
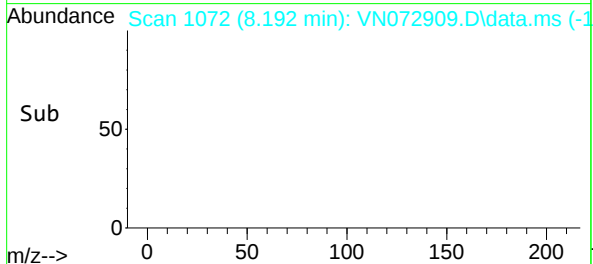
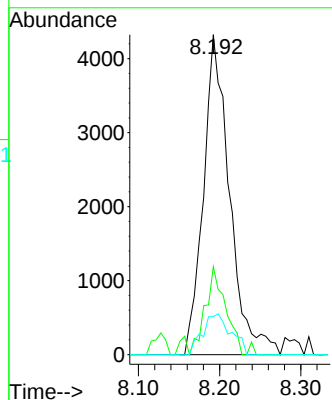
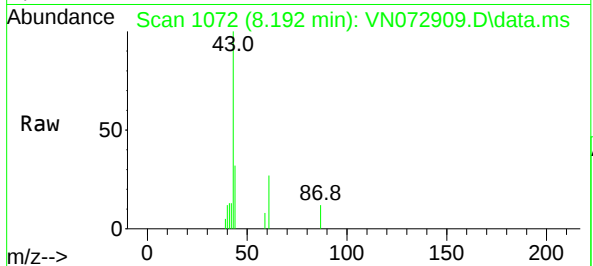




#43
Isopropyl Acetate
Concen: 0.646 ug/l
RT: 8.192 min Scan# 1194
Delta R.T. -0.300 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

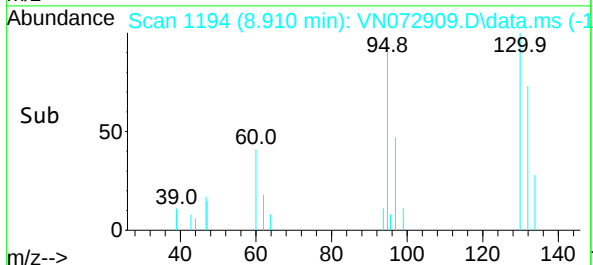
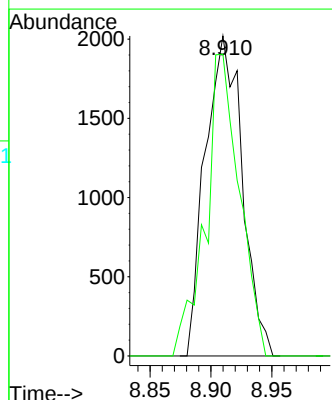
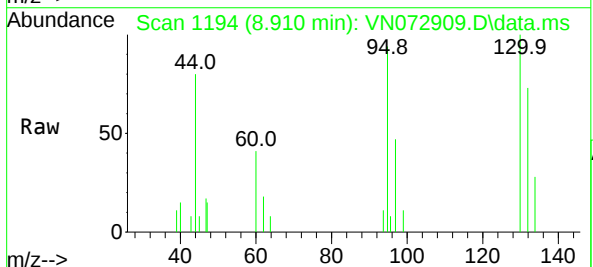
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

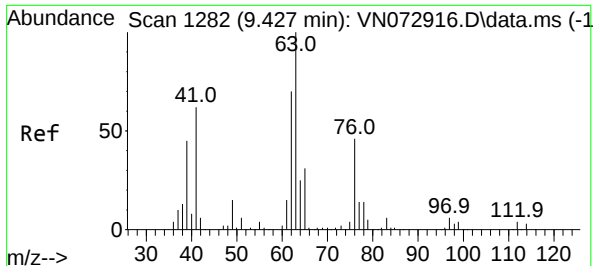
Tgt Ion: 43	Resp: 9676
Ion Ratio	Lower Upper
43 100	
61 21.3	21.9 32.9#
87 13.8	12.0 18.0



#44
Trichloroethene
Concen: 0.759 ug/l
RT: 8.910 min Scan# 1194
Delta R.T. -0.241 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 130	Resp: 4263
Ion Ratio	Lower Upper
130 100	
95 102.7	0.0 186.8





#45

1,2-Dichloropropane

Concen: 0.697 ug/l

RT: 9.210 min Scan# 11

Delta R.T. -0.218 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

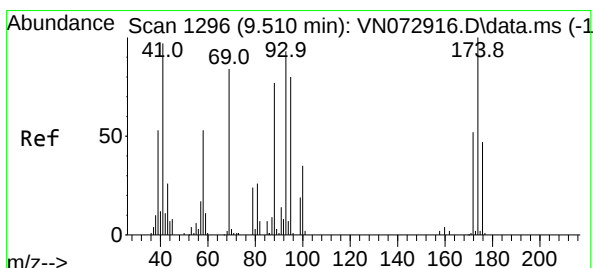
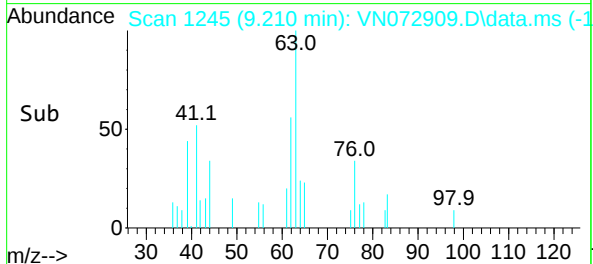
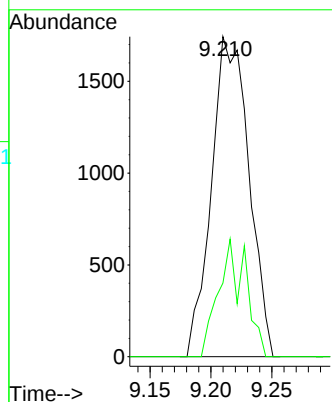
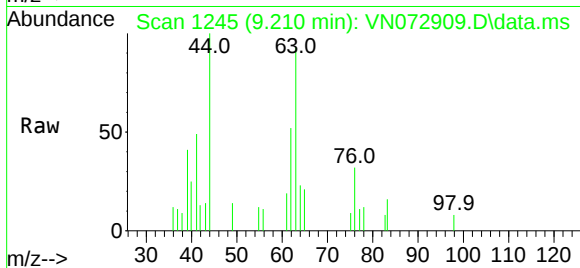
VSTDIC001

Tgt Ion: 63 Resp: 3719

Ion Ratio Lower Upper

63 100

65 23.0 24.9 37.3#



#46

Dibromomethane

Concen: 0.646 ug/l

RT: 9.316 min Scan# 1263

Delta R.T. -0.194 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

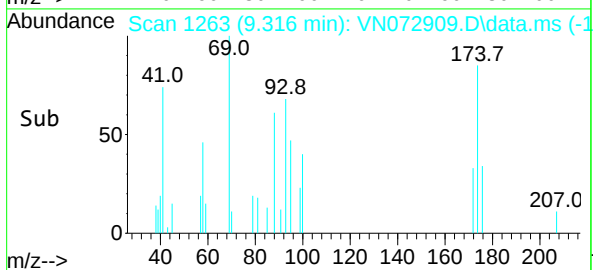
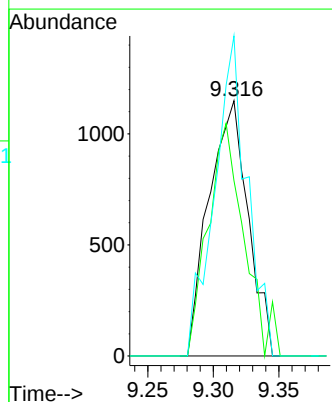
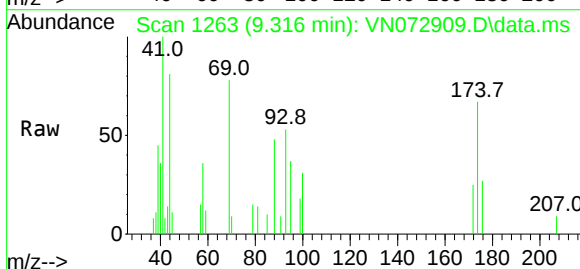
Tgt Ion: 93 Resp: 2383

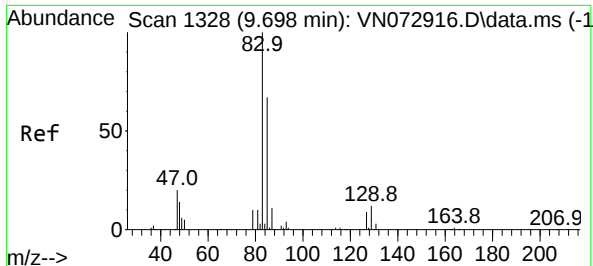
Ion Ratio Lower Upper

93 100

95 84.1 66.9 100.3

174 104.2 86.6 130.0





#47

Bromodichloromethane

Concen: 0.653 ug/l

RT: 9.522 min Scan# 1

Delta R.T. -0.176 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

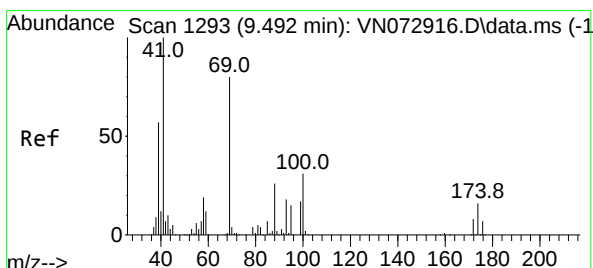
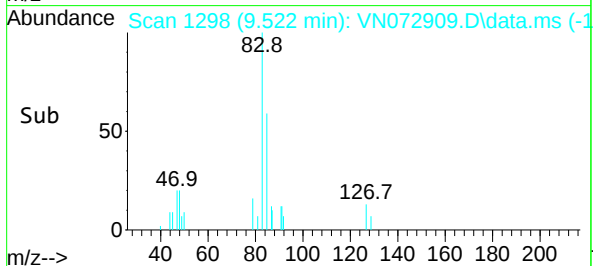
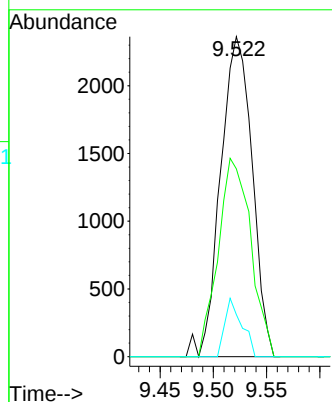
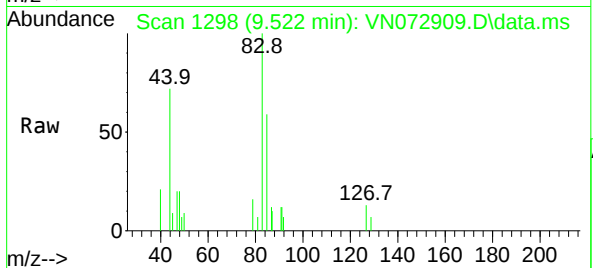
Tgt Ion: 83 Resp: 4873

Ion Ratio Lower Upper

83 100

85 58.7 50.5 75.7

127 13.2 6.8 10.2#



#48

Methyl methacrylate

Concen: 0.355 ug/l

RT: 9.175 min Scan# 1239

Delta R.T. -0.318 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

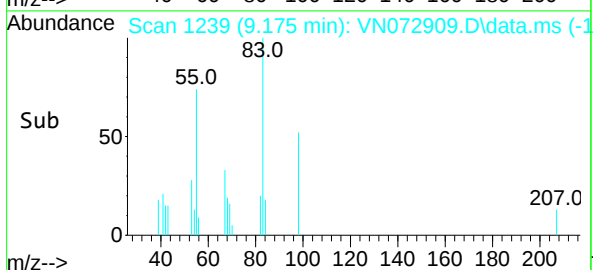
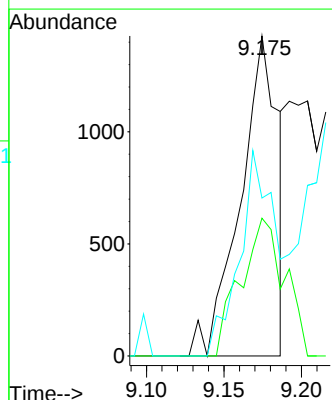
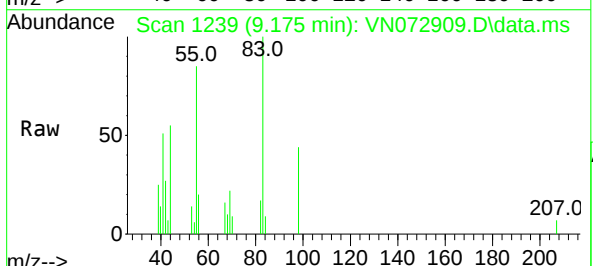
Tgt Ion: 41 Resp: 2419

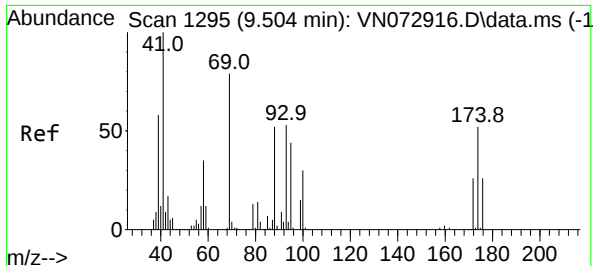
Ion Ratio Lower Upper

41 100

69 50.1 74.7 112.1#

39 64.3 45.6 68.4

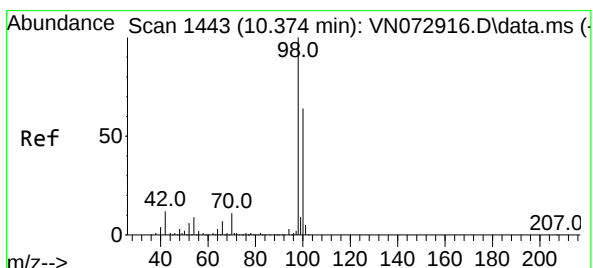
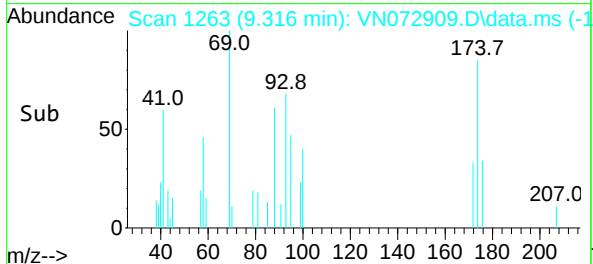
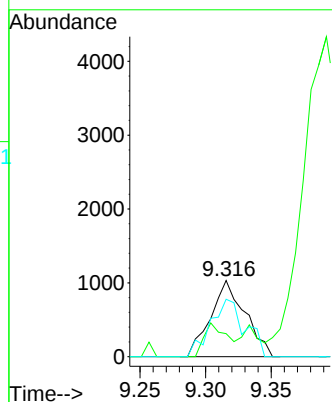
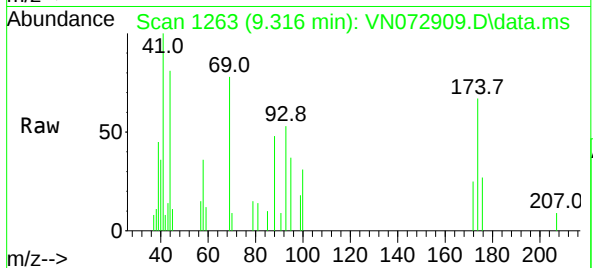




#49
1,4-Dioxane
Concen: 13.020 ug/l
RT: 9.316 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

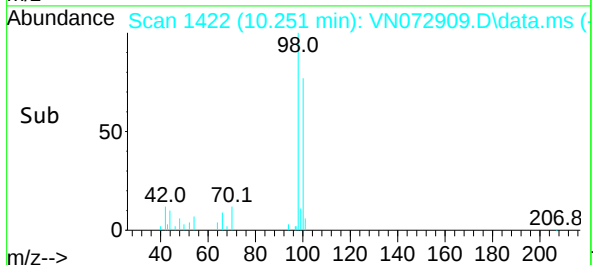
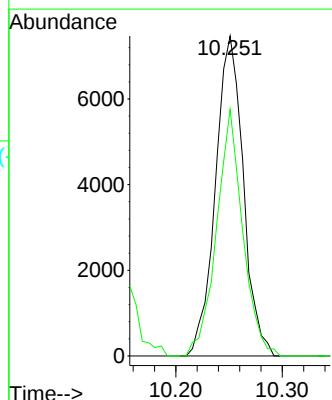
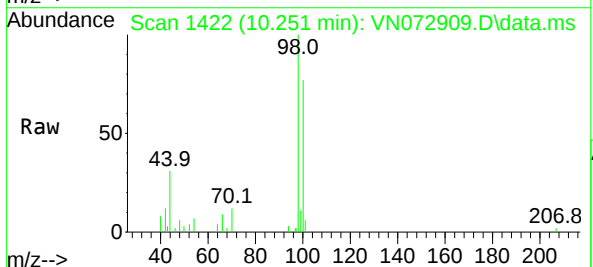
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

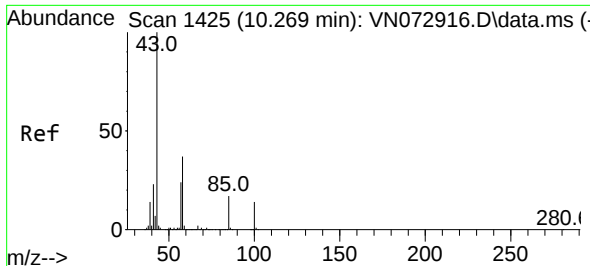
Tgt Ion: 88 Resp: 1887
Ion Ratio Lower Upper
88 100
43 29.1 20.2 30.4
58 75.5 54.2 81.4



#50
Toluene-d8
Concen: 0.727 ug/l
RT: 10.251 min Scan# 1422
Delta R.T. -0.124 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 98 Resp: 13579
Ion Ratio Lower Upper
98 100
100 72.5 52.6 78.8

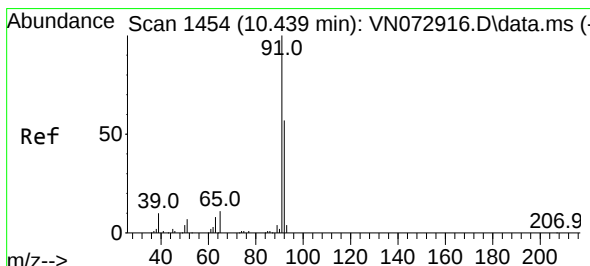
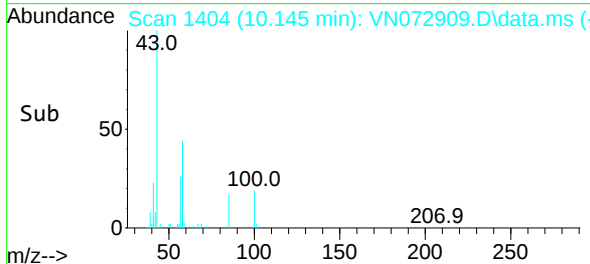
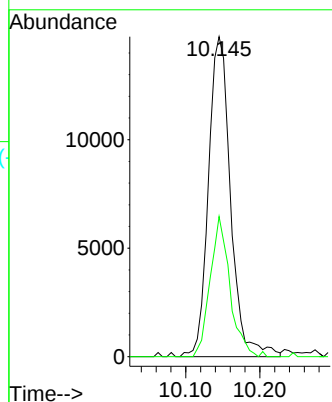
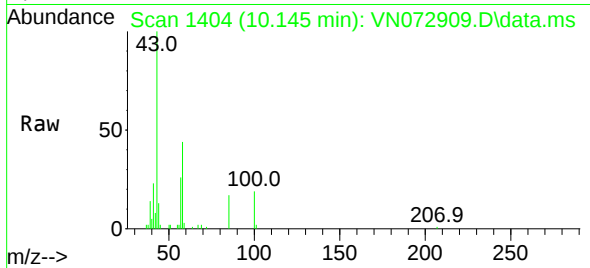




#51
4-Methyl-2-Pentanone
Concen: 3.153 ug/l
RT: 10.145 min Scan# 1404
Delta R.T. -0.124 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

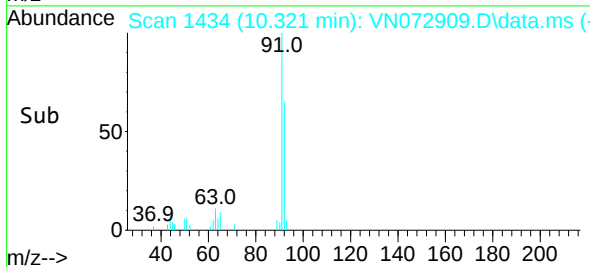
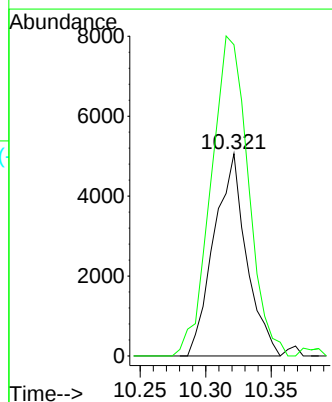
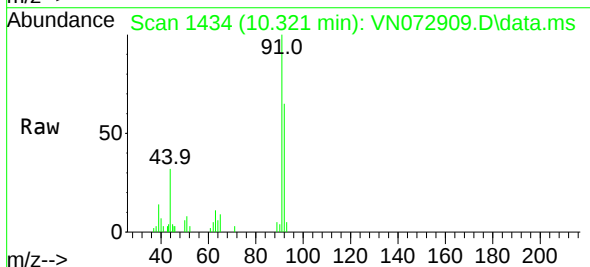
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

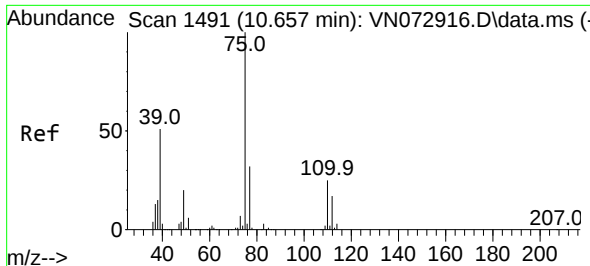
Tgt Ion: 43 Resp: 30614
Ion Ratio Lower Upper
43 100
58 38.9 34.1 51.1



#52
Toluene
Concen: 0.640 ug/l
RT: 10.321 min Scan# 1434
Delta R.T. -0.118 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 92 Resp: 8713
Ion Ratio Lower Upper
92 100
91 181.5 138.6 207.8

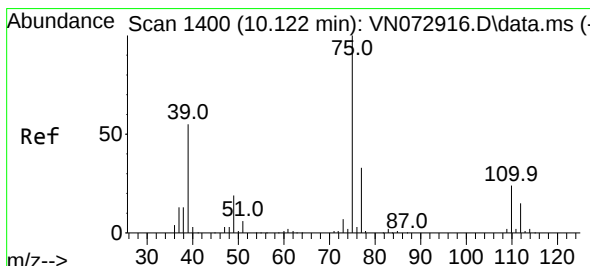
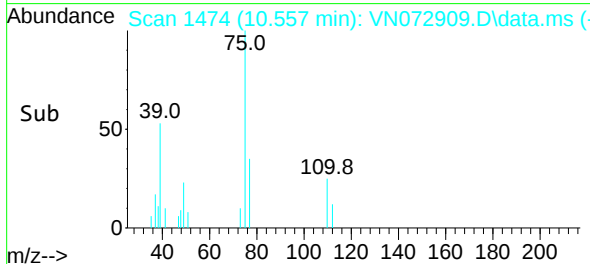
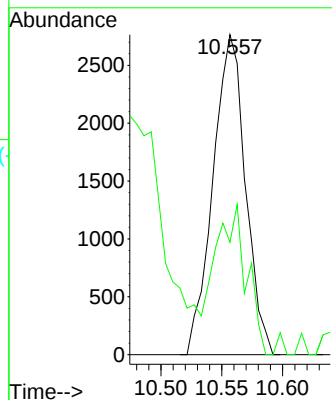
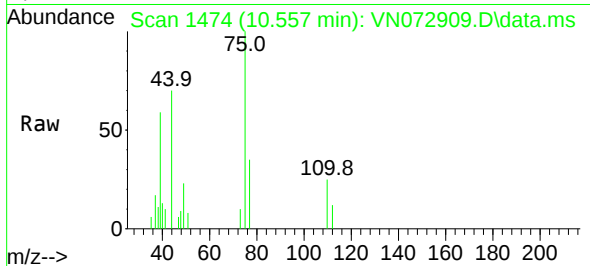




#53
t-1,3-Dichloropropene
Concen: 0.605 ug/l
RT: 10.557 min Scan# 1491
Delta R.T. -0.100 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

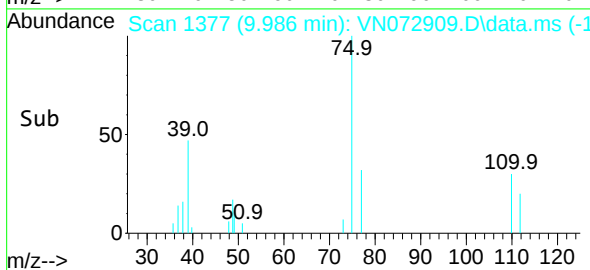
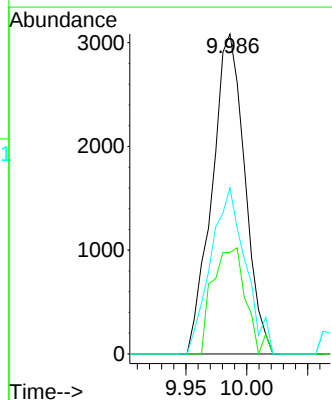
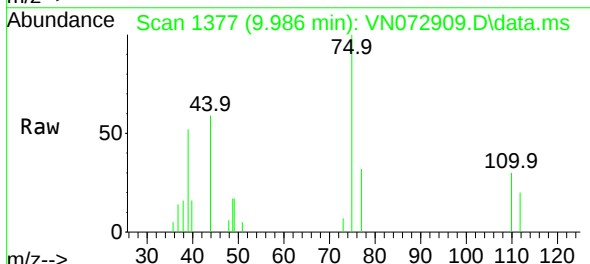
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

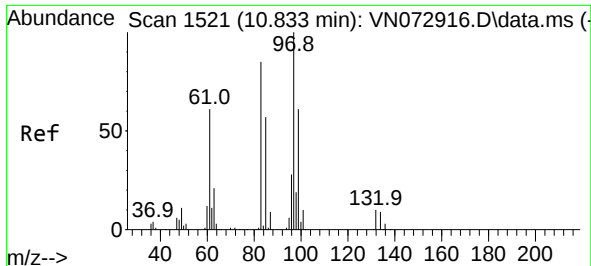
Tgt Ion: 75 Resp: 5128
Ion Ratio Lower Upper
75 100
77 28.2 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 0.654 ug/l
RT: 9.986 min Scan# 1377
Delta R.T. -0.135 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 75 Resp: 5763
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 51.9 35.7 53.5

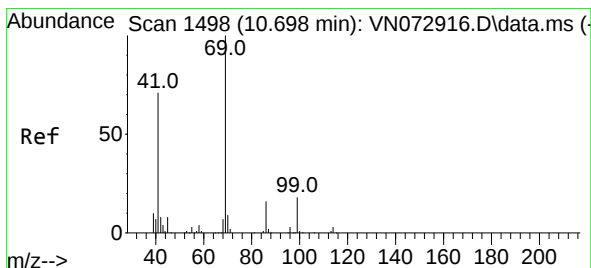
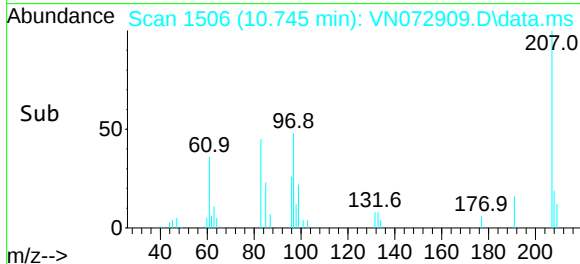
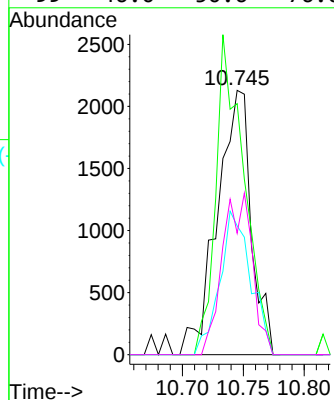
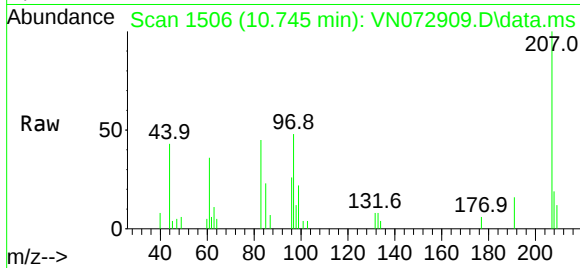




#55
1,1,2-Trichloroethane
Concen: 0.752 ug/l
RT: 10.745 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

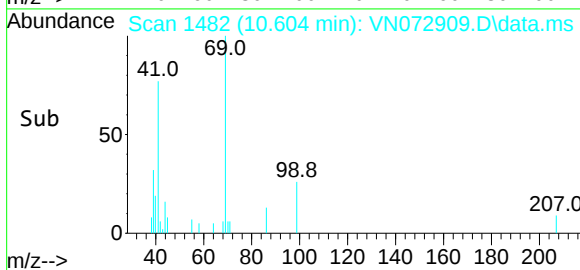
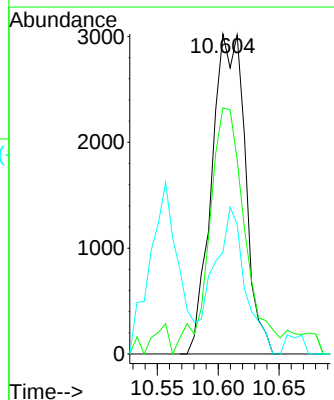
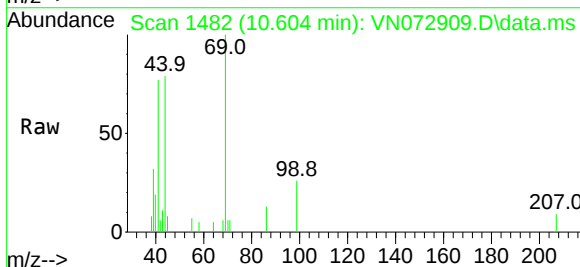
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

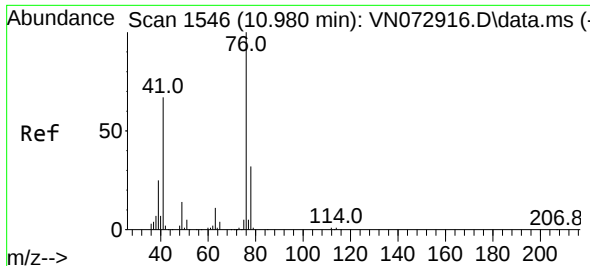
Tgt Ion: 97 Resp: 4147
Ion Ratio Lower Upper
97 100
83 94.9 66.2 99.4
85 48.7 43.9 65.9
99 46.0 50.6 76.0#



#56
Ethyl methacrylate
Concen: 0.620 ug/l
RT: 10.604 min Scan# 1482
Delta R.T. -0.094 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 69 Resp: 5786
Ion Ratio Lower Upper
69 100
41 82.0 47.8 71.6#
39 42.9 27.3 40.9#

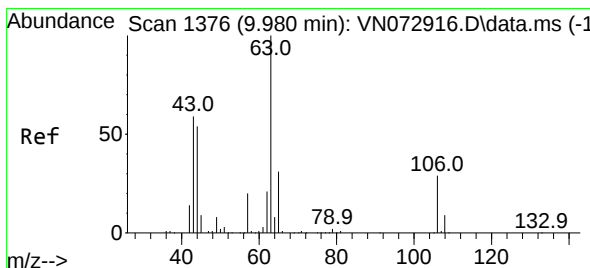
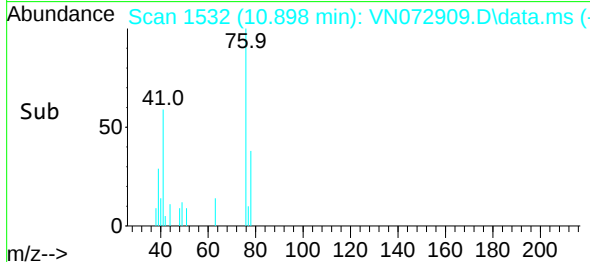
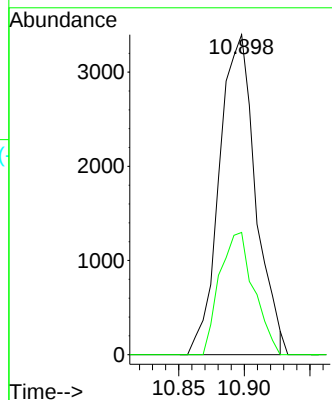
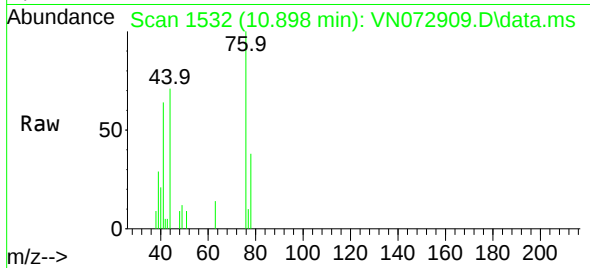




#57
1,3-Dichloropropane
Concen: 0.697 ug/l
RT: 10.898 min Scan# 11
Delta R.T. -0.082 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

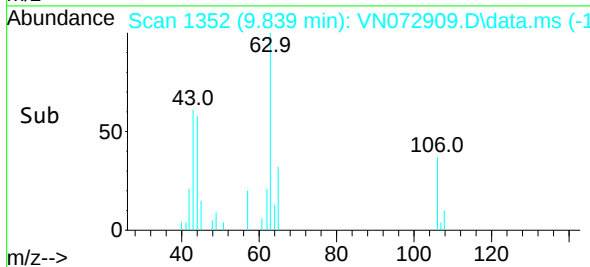
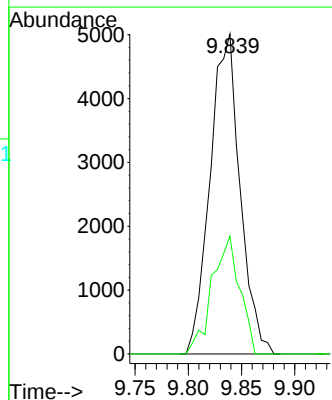
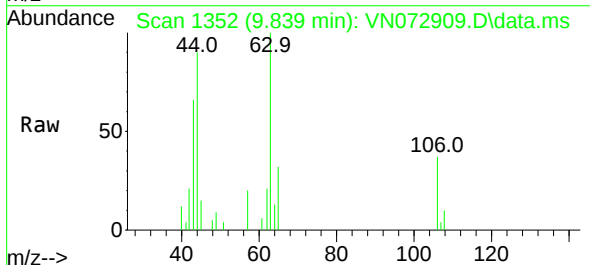
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

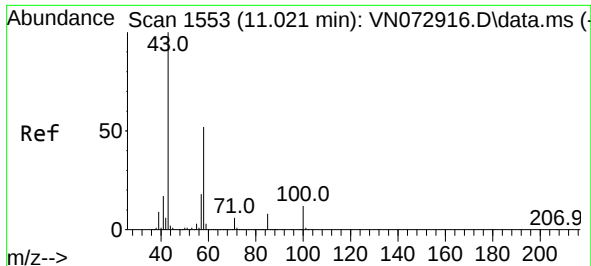
Tgt Ion: 76 Resp: 6537
Ion Ratio Lower Upper
76 100
78 36.1 26.2 39.2



#58
2-Chloroethyl Vinyl ether
Concen: 2.890 ug/l
RT: 9.839 min Scan# 1352
Delta R.T. -0.141 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 63 Resp: 9802
Ion Ratio Lower Upper
63 100
106 33.8 24.6 36.8

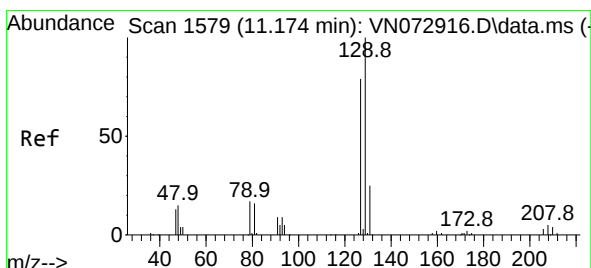
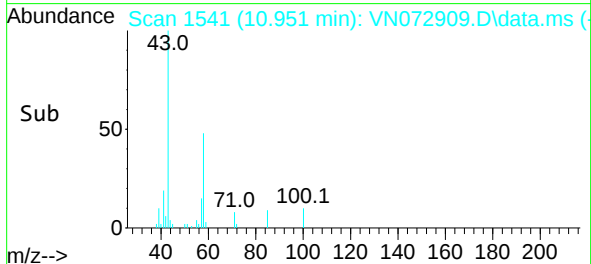
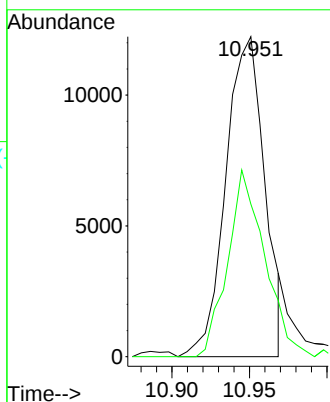
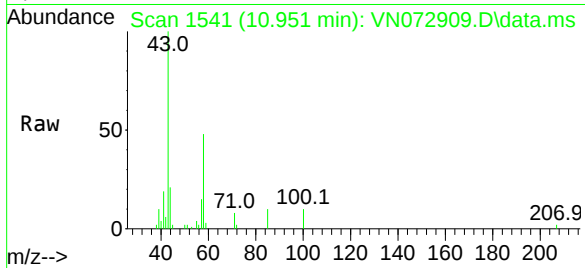




#59
2-Hexanone
Concen: 2.964 ug/l
RT: 10.951 min Scan# 1541
Delta R.T. -0.071 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

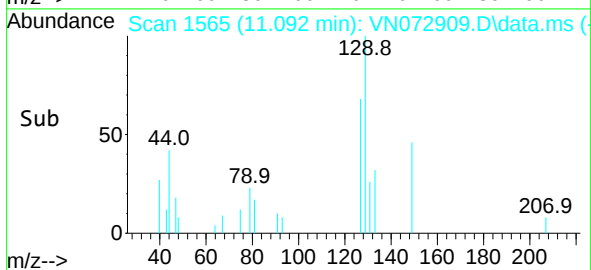
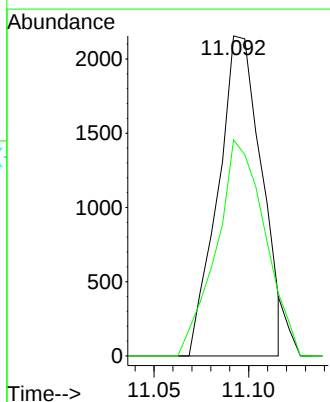
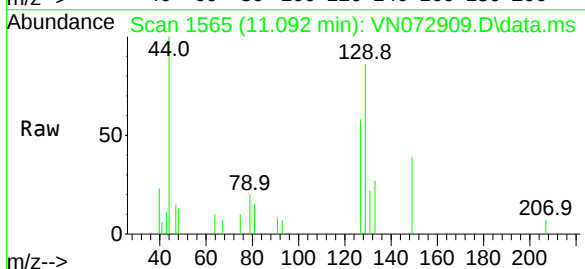
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

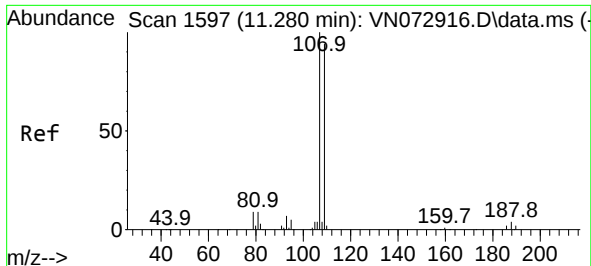
Tgt Ion: 43 Resp: 21347
Ion Ratio Lower Upper
43 100
58 53.4 29.7 89.1



#60
Dibromochloromethane
Concen: 0.589 ug/l
RT: 11.092 min Scan# 1565
Delta R.T. -0.082 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 129 Resp: 3455
Ion Ratio Lower Upper
129 100
127 73.2 38.8 116.4

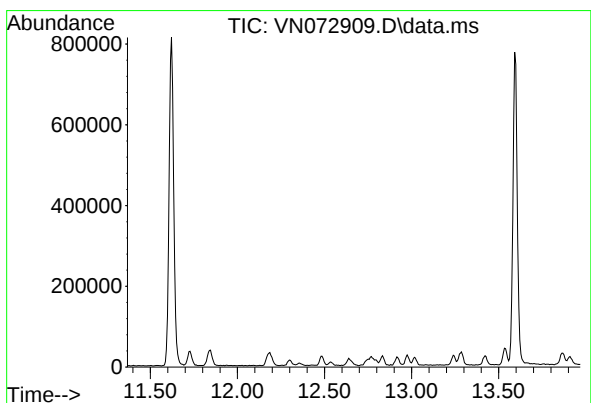
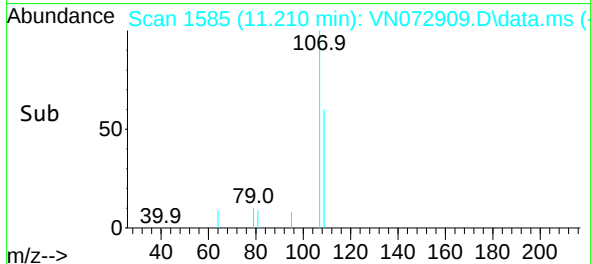
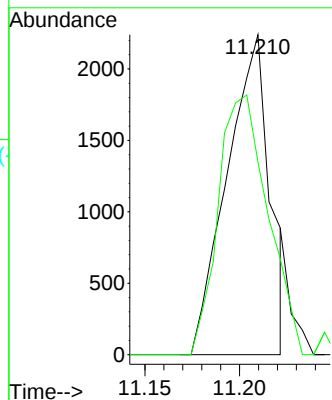
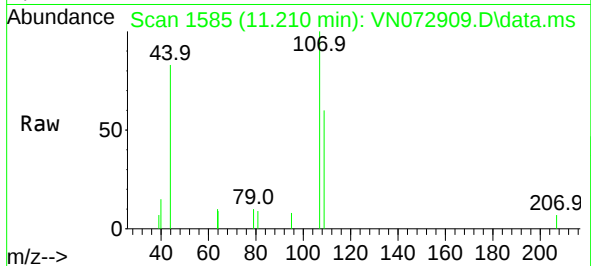




#61
1,2-Dibromoethane
Concen: 0.593 ug/l
RT: 11.210 min Scan# 11
Delta R.T. -0.071 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

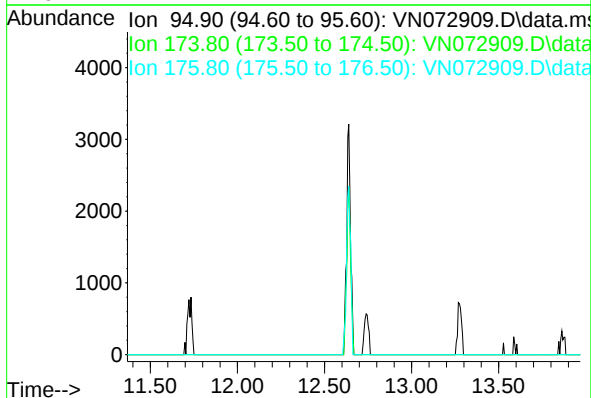
Tgt Ion:107 Resp: 3533
Ion Ratio Lower Upper
107 100
109 90.5 75.0 112.6

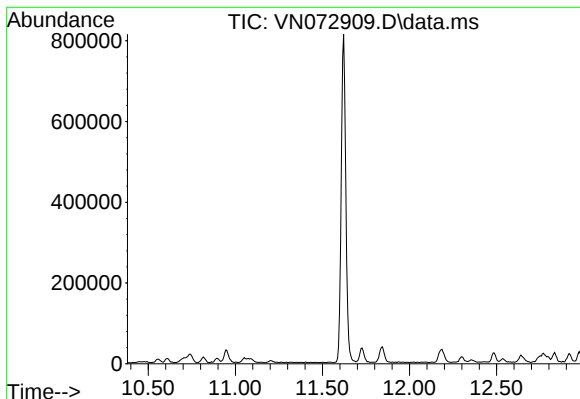


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.67 min

Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 95
Sig Exp Ratio
95 100
174 83.8
176 81.7

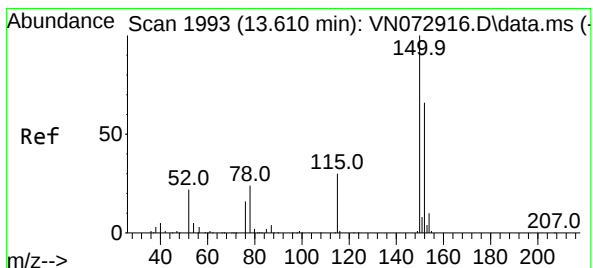
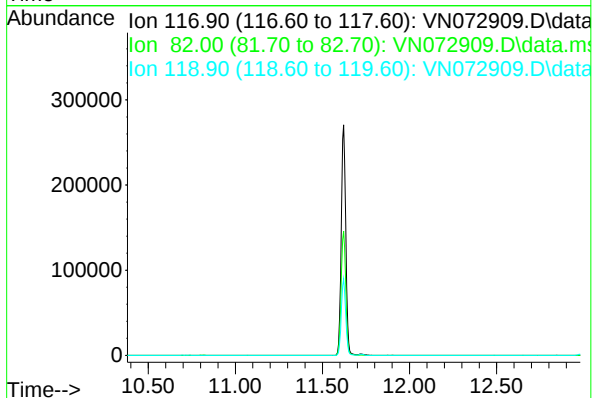




#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.68 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

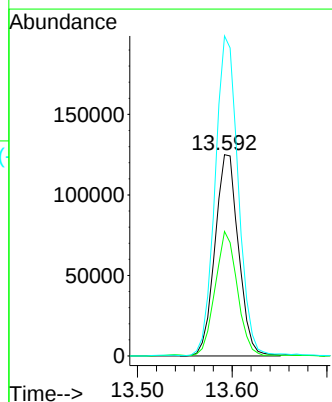
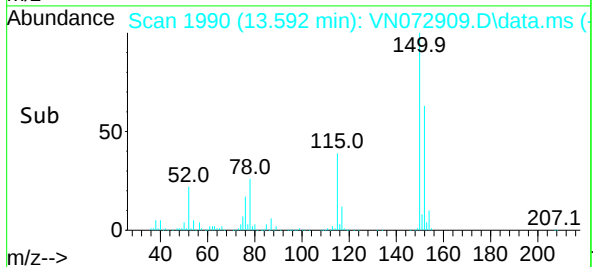
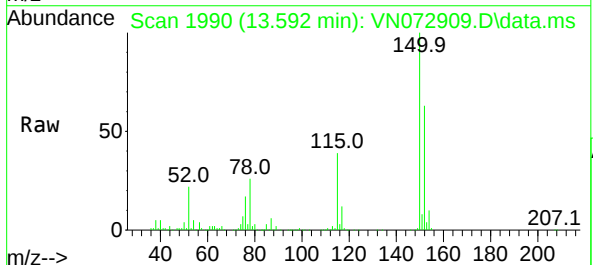
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

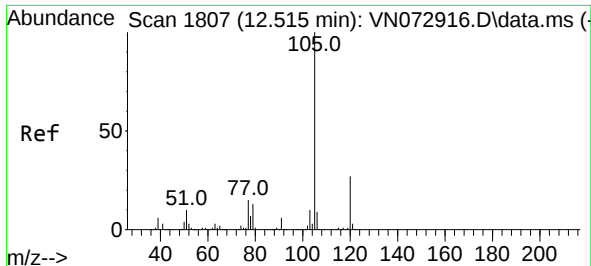
Tgt Ion: 117
Sig Exp Ratio
117 100
82 55.2
119 31.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.592 min Scan# 1990
Delta R.T. -0.018 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion:152 Resp: 216059
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 157.3 0.0 356.2

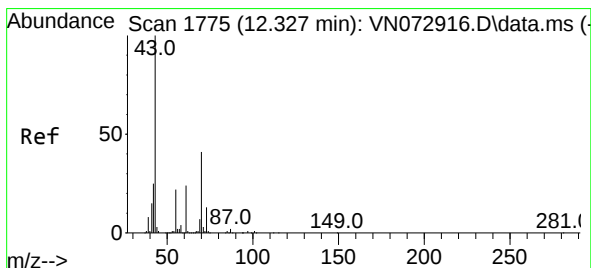
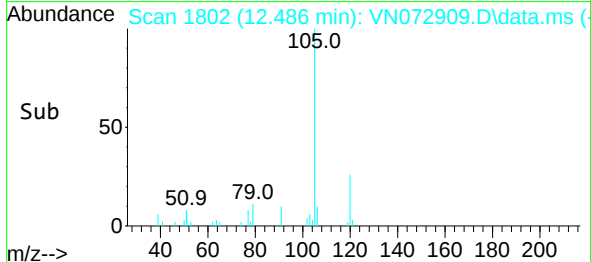
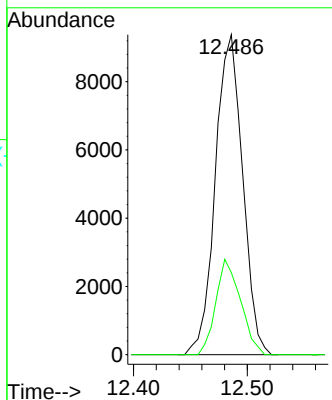
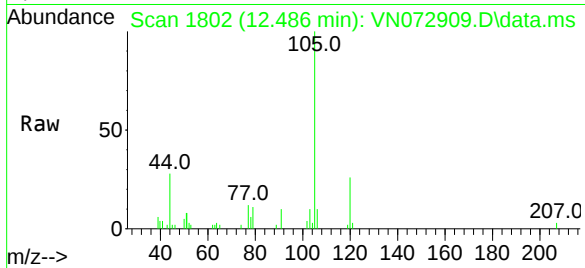




#73
Isopropylbenzene
Concen: 0.776 ug/l
RT: 12.486 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

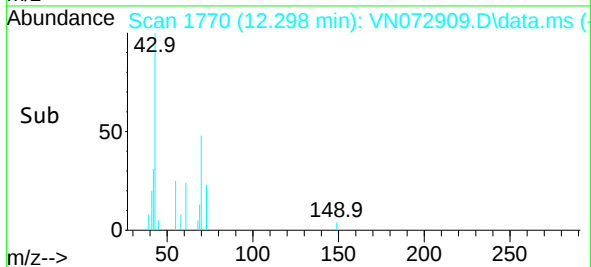
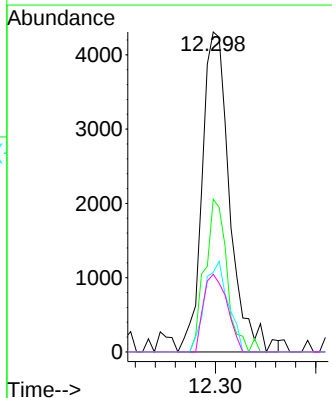
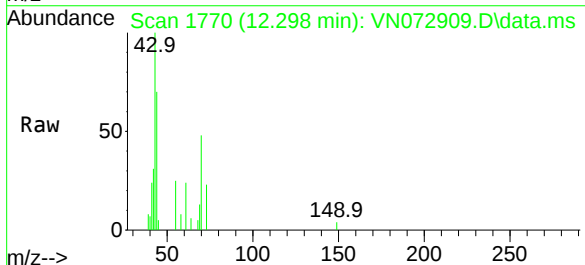
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

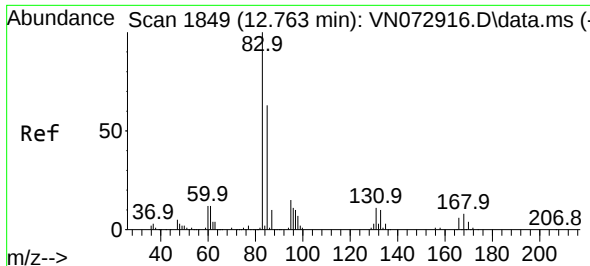
Tgt Ion:105 Resp: 15642
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4



#74
N-ethyl acetate
Concen: 0.937 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 43 Resp: 8224
Ion Ratio Lower Upper
43 100
70 38.4 39.0 58.4#
55 24.3 21.1 31.7
61 20.8 21.1 31.7#

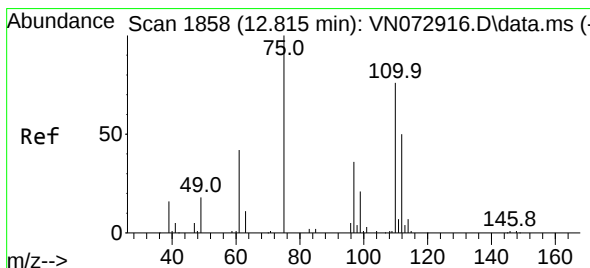
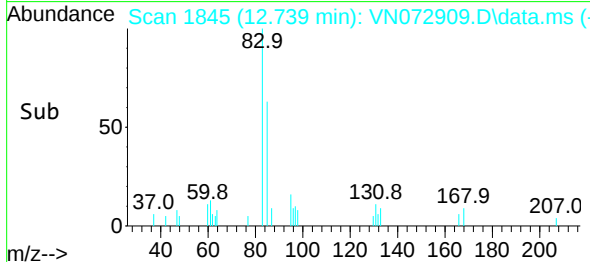
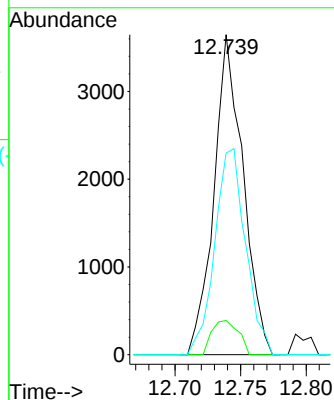
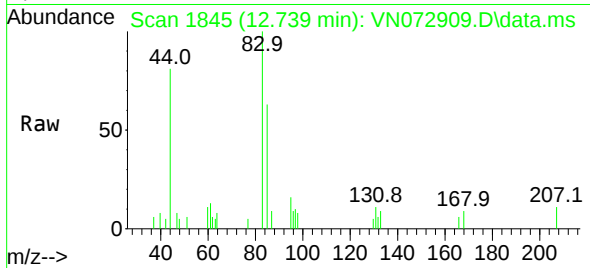




#75
1,1,2,2-Tetrachloroethane
Concen: 0.849 ug/l
RT: 12.739 min Scan# 1845
Delta R.T. -0.024 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

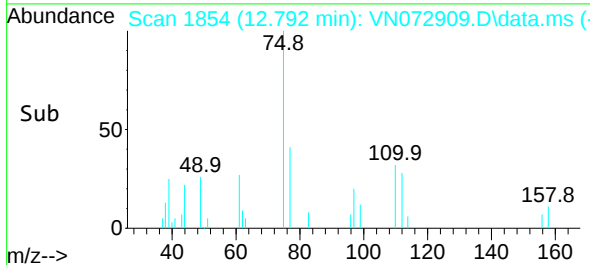
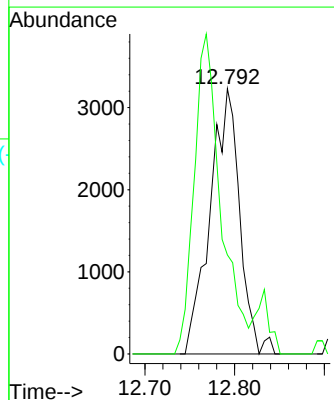
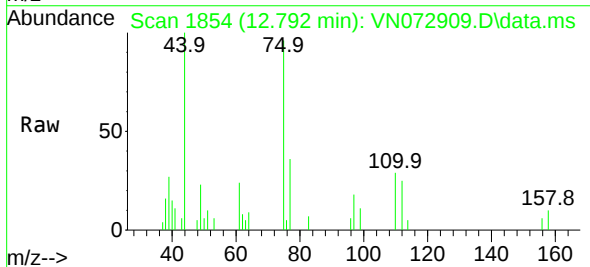
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

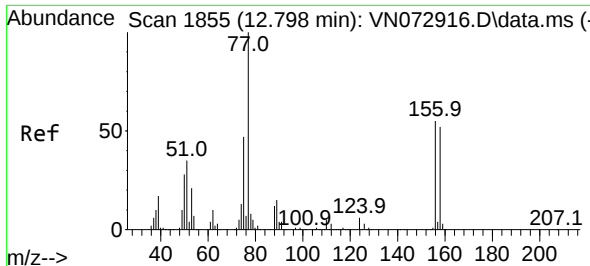
Tgt Ion: 83 Resp: 5628
Ion Ratio Lower Upper
83 100
131 9.8 5.3 15.9
85 68.2 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 1.201 ug/l
RT: 12.792 min Scan# 1854
Delta R.T. -0.024 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 75 Resp: 7420
Ion Ratio Lower Upper
75 100
77 0.0 98.5 295.5#

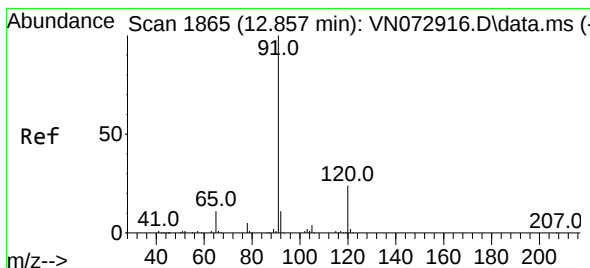
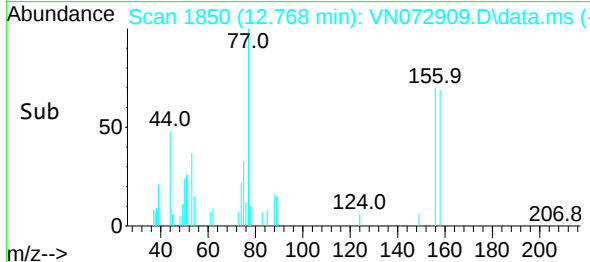
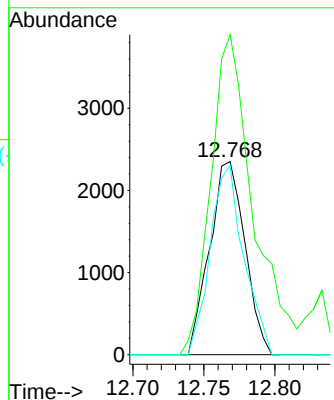
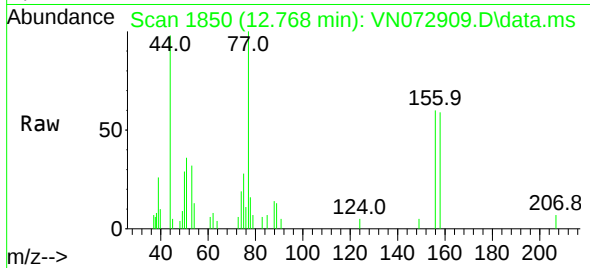




#77
Bromobenzene
Concen: 0.862 ug/l
RT: 12.768 min Scan# 1850
Delta R.T. -0.029 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

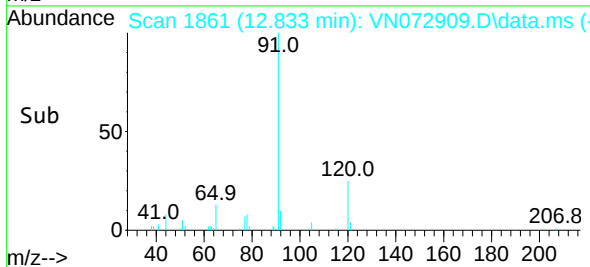
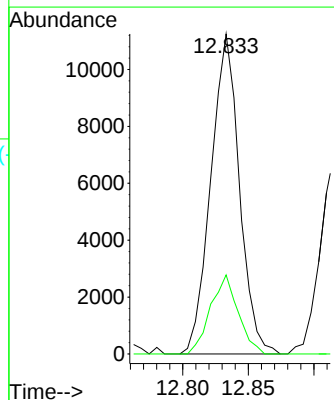
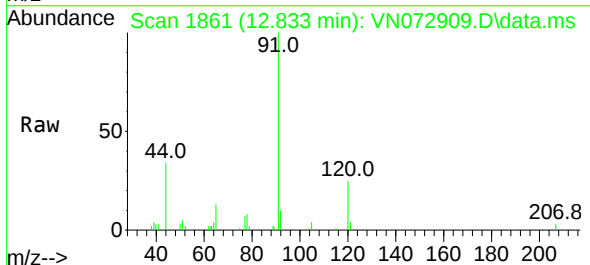
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

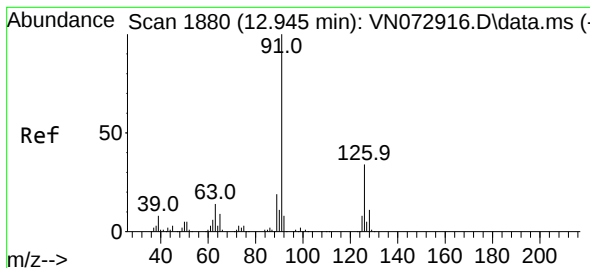
Tgt Ion:156 Resp: 4063
Ion Ratio Lower Upper
156 100
77 198.1 100.5 301.5
158 93.4 48.9 146.6



#78
n-propylbenzene
Concen: 0.810 ug/l
RT: 12.833 min Scan# 1861
Delta R.T. -0.024 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 91 Resp: 17042
Ion Ratio Lower Upper
91 100
120 23.9 11.9 35.5





#79

2-Chlorotoluene

Concen: 0.854 ug/l

RT: 12.915 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

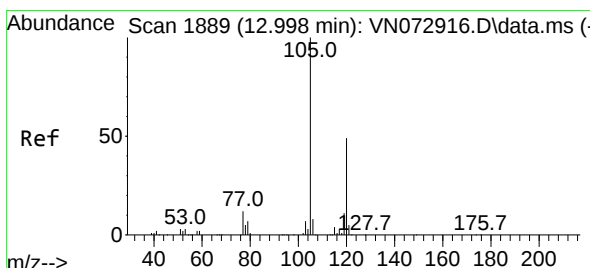
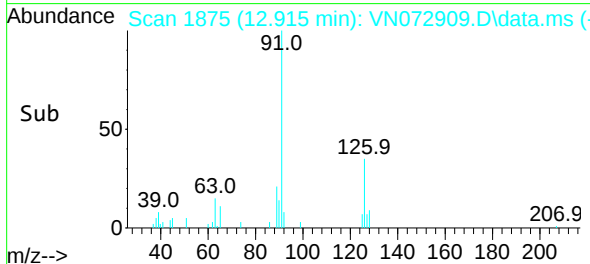
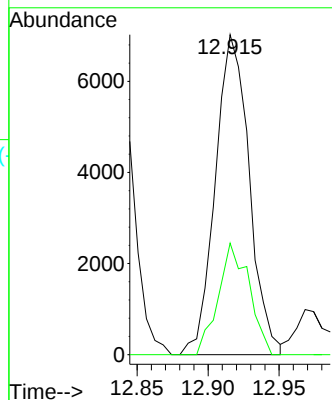
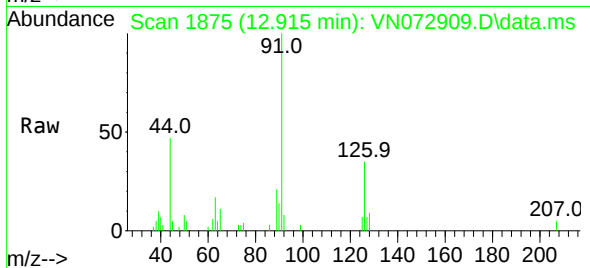
VSTDIC001

Tgt Ion: 91 Resp: 11667

Ion Ratio Lower Upper

91 100

126 31.7 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 0.820 ug/l

RT: 12.974 min Scan# 1885

Delta R.T. -0.024 min

Lab File: VN072909.D

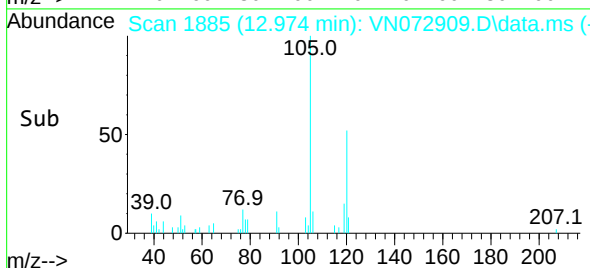
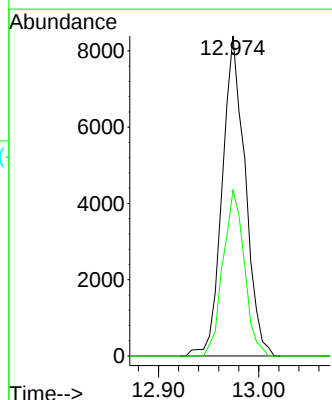
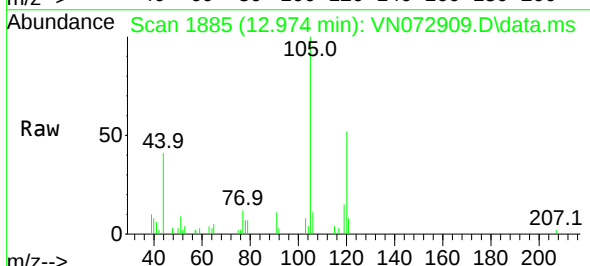
Acq: 17 Jun 2022 13:50

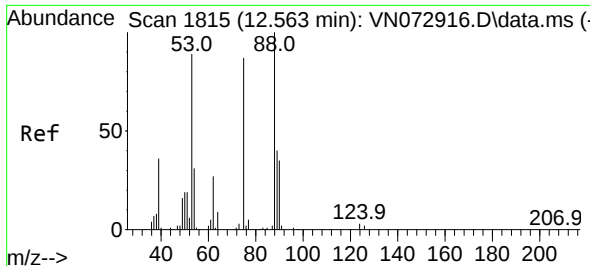
Tgt Ion: 105 Resp: 13294

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.7

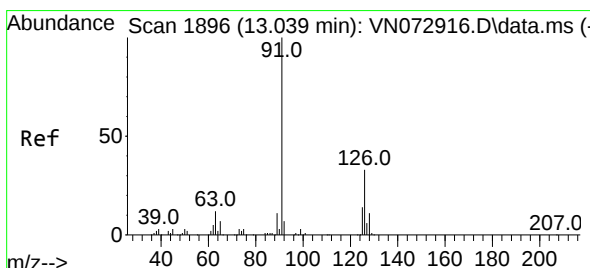
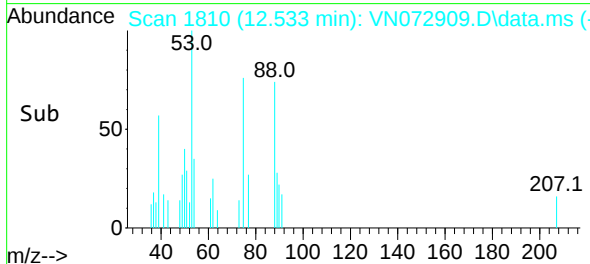
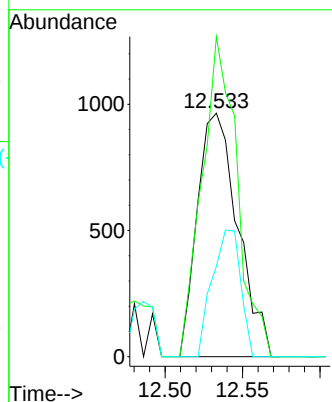
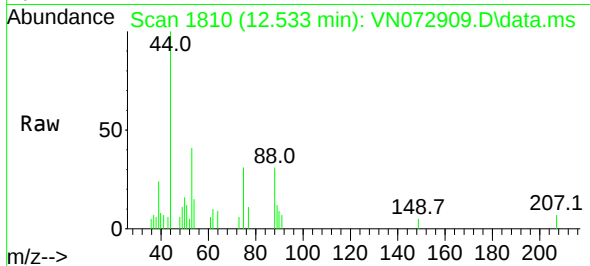




#81
trans-1,4-Dichloro-2-butene
Concen: 0.794 ug/l
RT: 12.533 min Scan# 1810
Delta R.T. -0.029 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

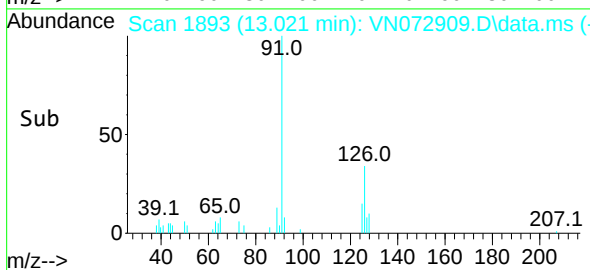
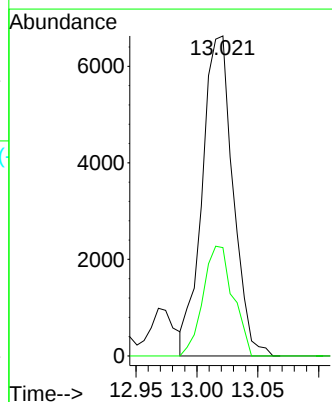
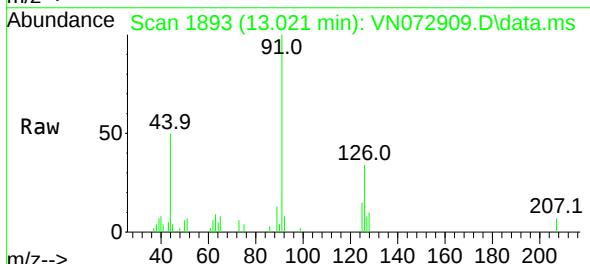
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

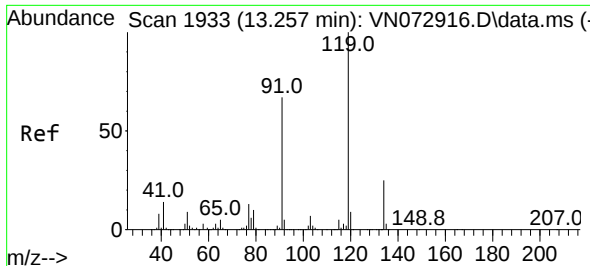
Tgt Ion: 75 Resp: 1752
Ion Ratio Lower Upper
75 100
53 114.2 78.0 117.0
89 36.4 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.919 ug/l
RT: 13.021 min Scan# 1893
Delta R.T. -0.018 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 91 Resp: 11656
Ion Ratio Lower Upper
91 100
126 33.4 17.2 51.6

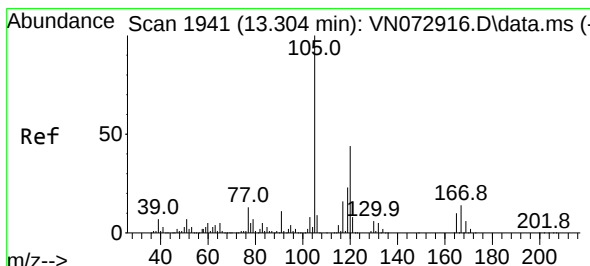
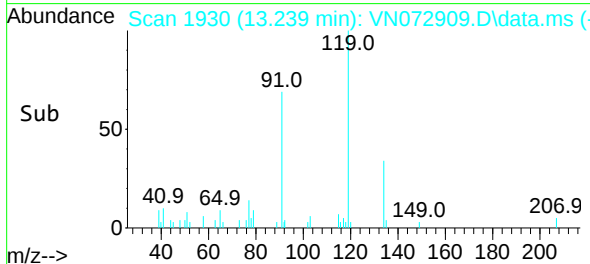
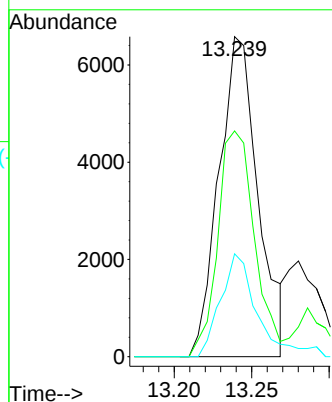
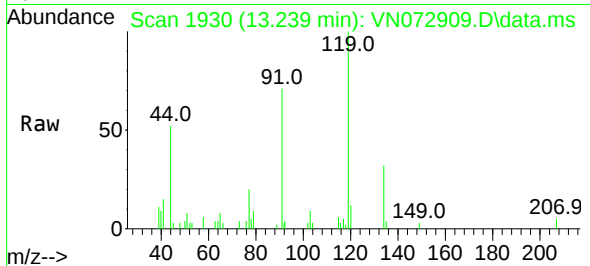




#83
 tert-Butylbenzene
 Concen: 0.797 ug/l
 RT: 13.239 min Scan# 1930
 Delta R.T. -0.018 min
 Lab File: VN072909.D
 Acq: 17 Jun 2022 13:50

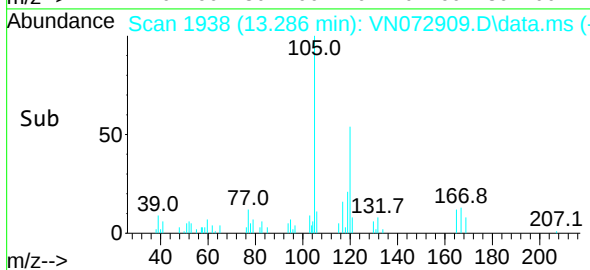
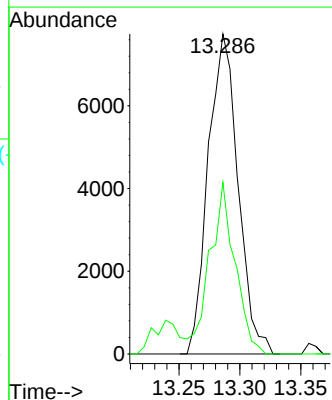
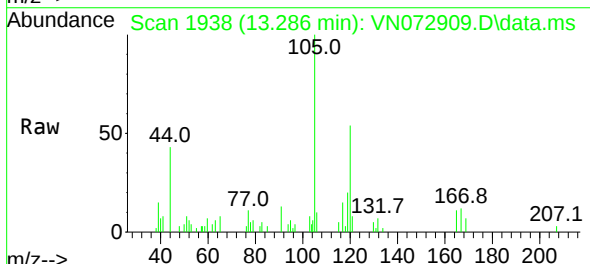
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

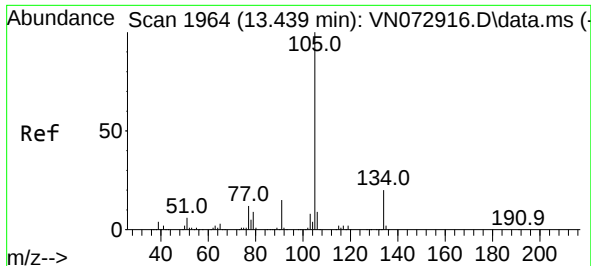
Tgt Ion:119 Resp: 11615
 Ion Ratio Lower Upper
 119 100
 91 65.8 31.6 94.8
 134 30.0 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.848 ug/l
 RT: 13.286 min Scan# 1938
 Delta R.T. -0.018 min
 Lab File: VN072909.D
 Acq: 17 Jun 2022 13:50

Tgt Ion:105 Resp: 13220
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.3 69.8

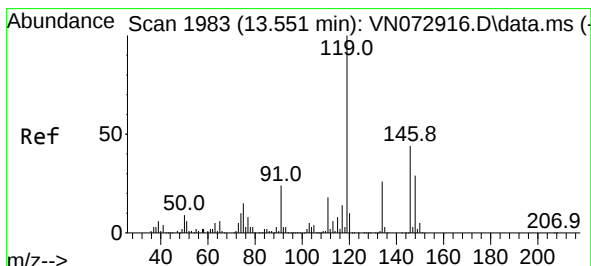
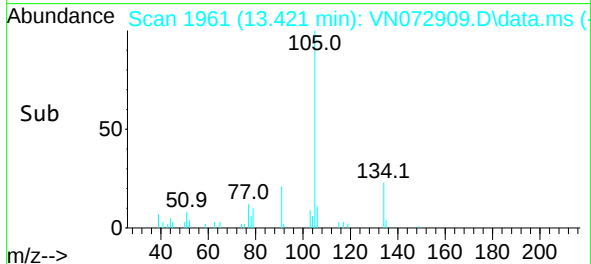
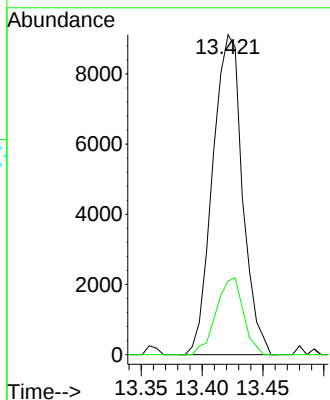
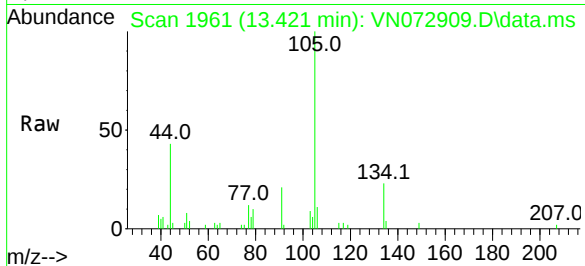




#85
sec-Butylbenzene
Concen: 0.826 ug/l
RT: 13.421 min Scan# 1961
Delta R.T. -0.018 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

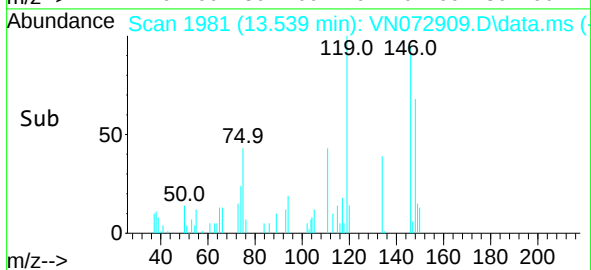
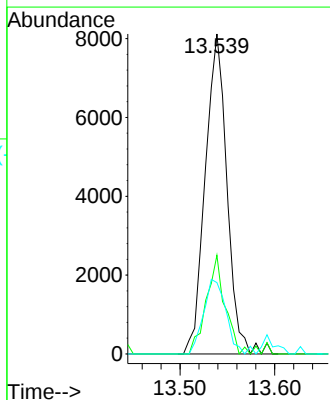
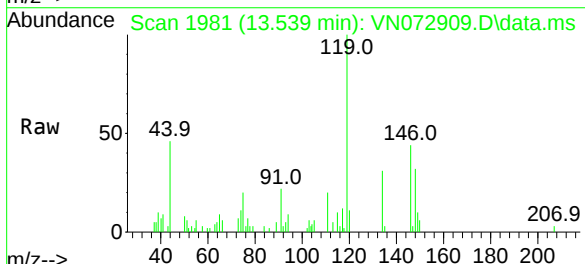
Instrument :
MSVOA_N
ClientSampleId :
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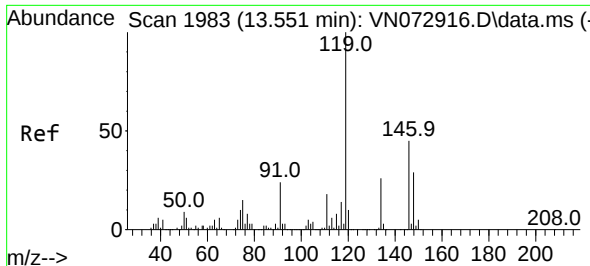
Tgt Ion:105 Resp: 15545
Ion Ratio Lower Upper
105 100
134 21.9 10.4 31.1



#86
p-Isopropyltoluene
Concen: 0.852 ug/l
RT: 13.539 min Scan# 1981
Delta R.T. -0.012 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion:119 Resp: 12982
Ion Ratio Lower Upper
119 100
134 26.5 13.3 39.8
91 23.7 11.3 33.9

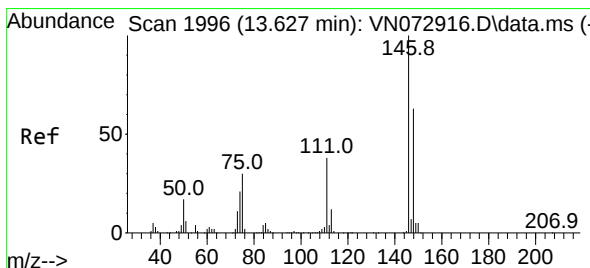
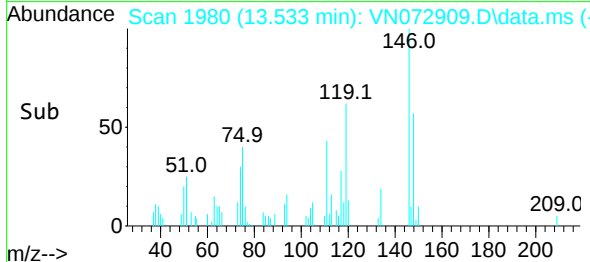
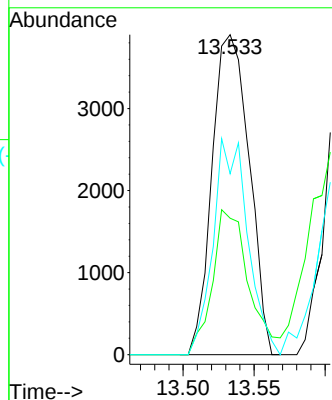
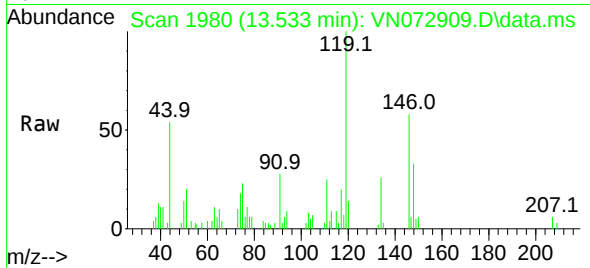




#87
1,3-Dichlorobenzene
Concen: 0.915 ug/l
RT: 13.533 min Scan# 1980
Delta R.T. -0.018 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

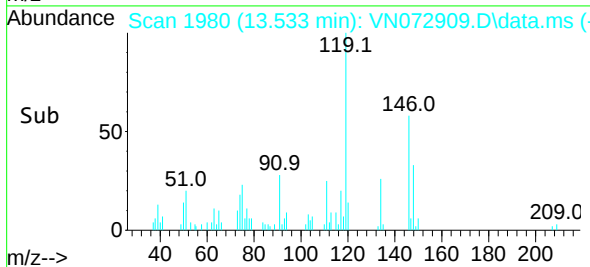
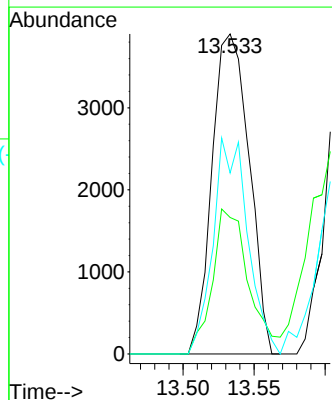
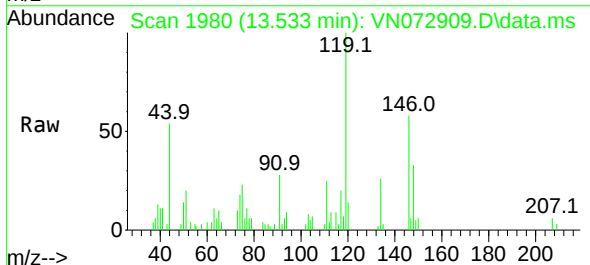
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

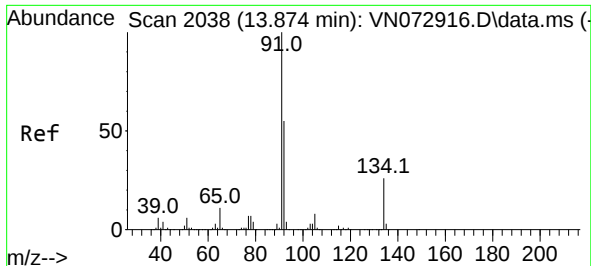
Tgt Ion:146 Resp: 7083
Ion Ratio Lower Upper
146 100
111 44.5 20.0 60.0
148 62.8 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.904 ug/l
RT: 13.533 min Scan# 1980
Delta R.T. -0.094 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion:146 Resp: 7083
Ion Ratio Lower Upper
146 100
111 44.5 19.1 57.1
148 62.8 31.4 94.3





#89

n-Butylbenzene

Concen: 0.909 ug/l

RT: 13.868 min Scan# 2037

Delta R.T. -0.006 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

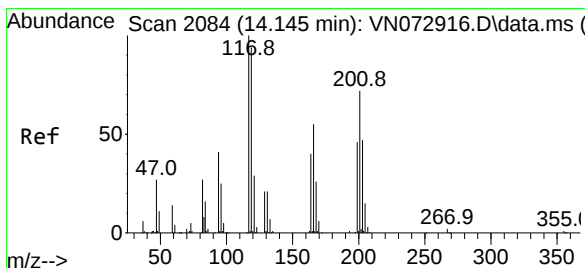
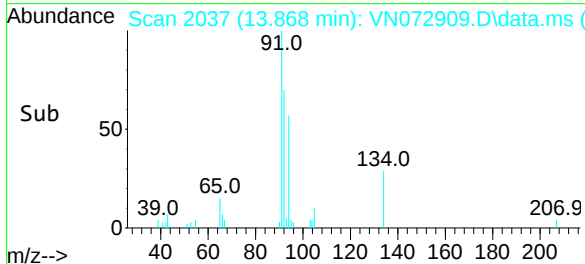
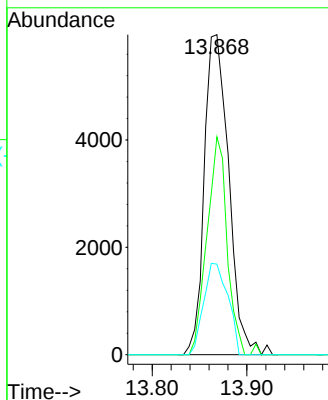
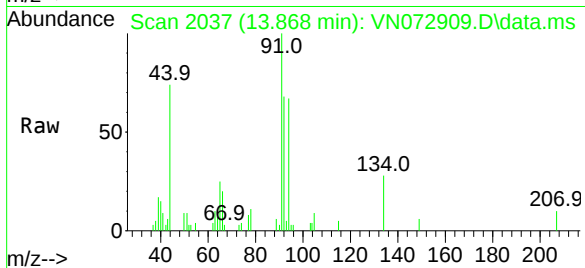
Tgt Ion: 91 Resp: 10709

Ion Ratio Lower Upper

91 100

92 55.7 26.9 80.7

134 28.2 13.6 40.8



#90

Hexachloroethane

Concen: 0.809 ug/l

RT: 14.133 min Scan# 2082

Delta R.T. -0.012 min

Lab File: VN072909.D

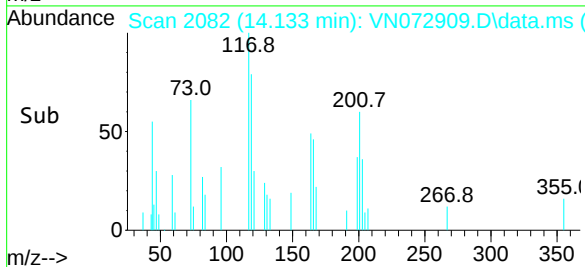
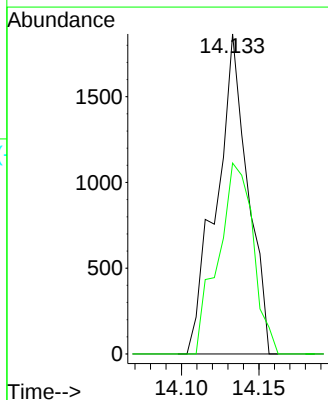
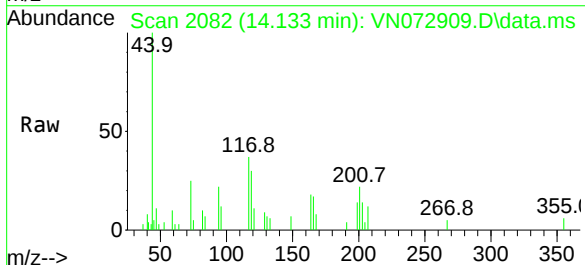
Acq: 17 Jun 2022 13:50

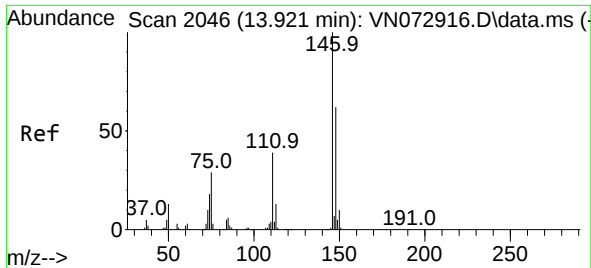
Tgt Ion: 117 Resp: 2629

Ion Ratio Lower Upper

117 100

201 66.7 40.6 122.0

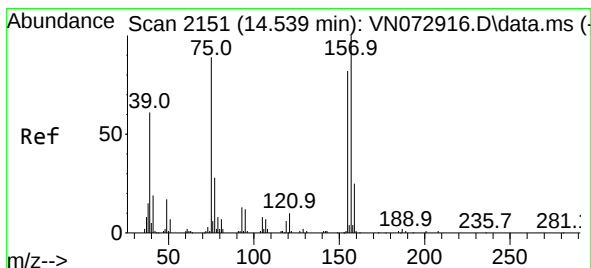
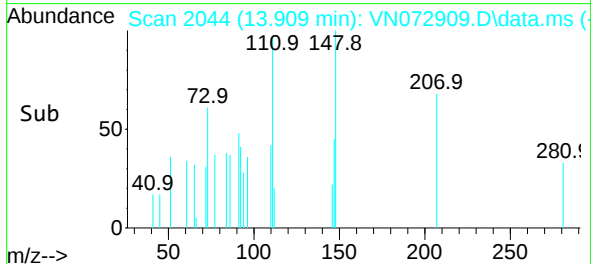
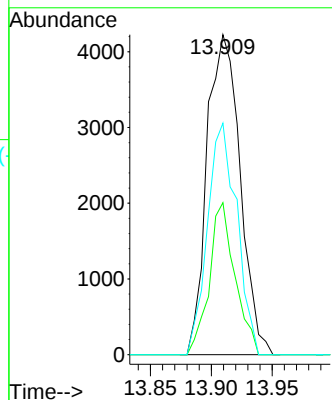
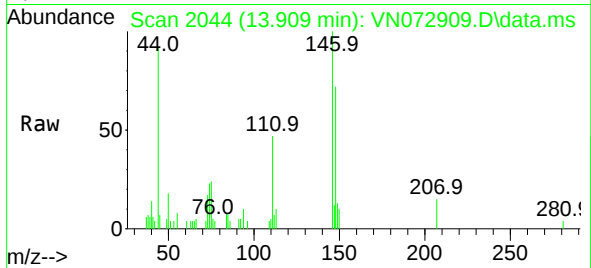




#91
1,2-Dichlorobenzene
Concen: 1.015 ug/l
RT: 13.909 min Scan# 2044
Delta R.T. -0.012 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

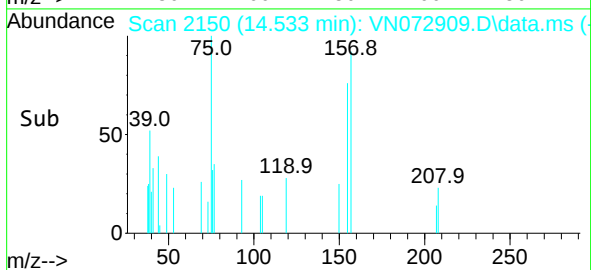
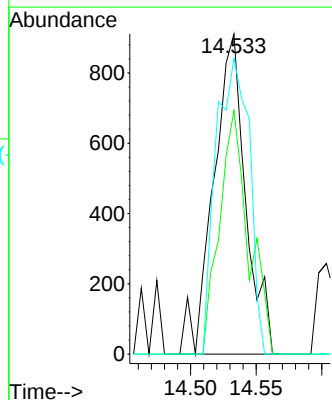
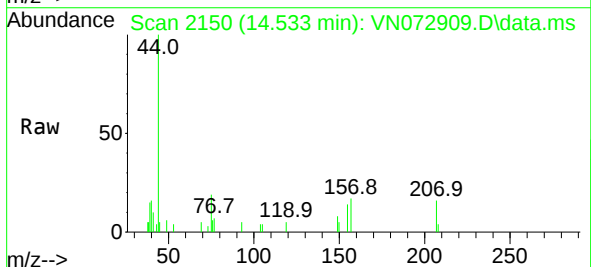
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

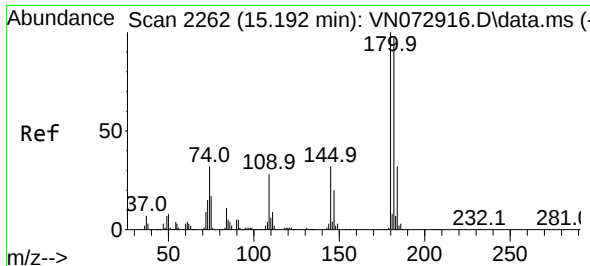
Tgt Ion:146 Resp: 7991
Ion Ratio Lower Upper
146 100
111 36.8 20.9 62.8
148 64.1 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.948 ug/l
RT: 14.533 min Scan# 2150
Delta R.T. -0.006 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion: 75 Resp: 1559
Ion Ratio Lower Upper
75 100
155 68.5 44.9 134.5
157 95.3 59.0 176.8

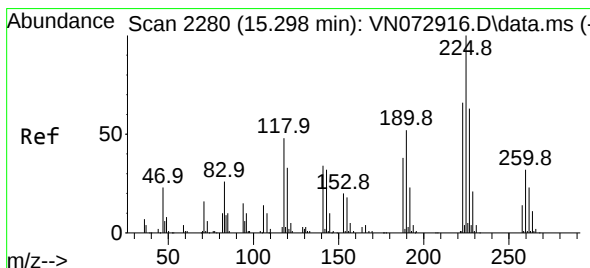
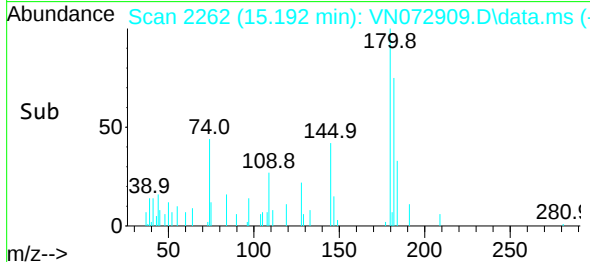
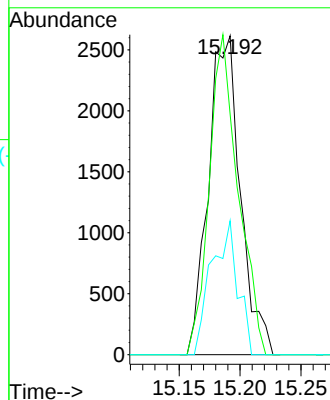
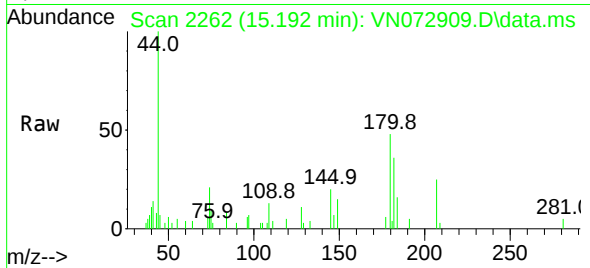




#93
1,2,4-Trichlorobenzene
Concen: 1.199 ug/l
RT: 15.192 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

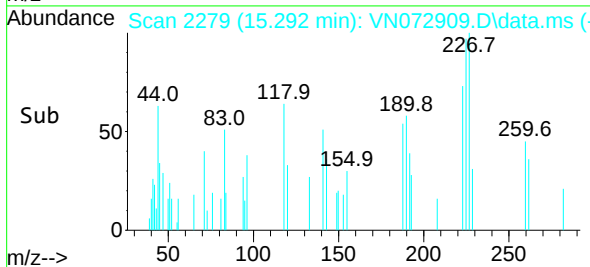
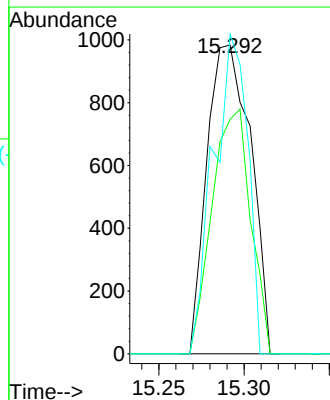
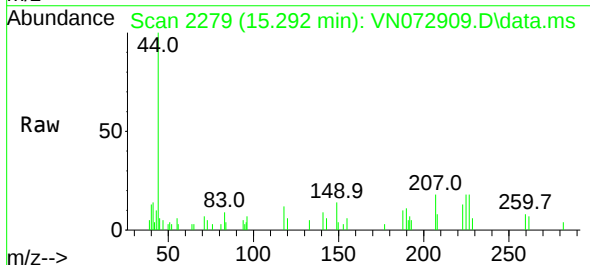
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

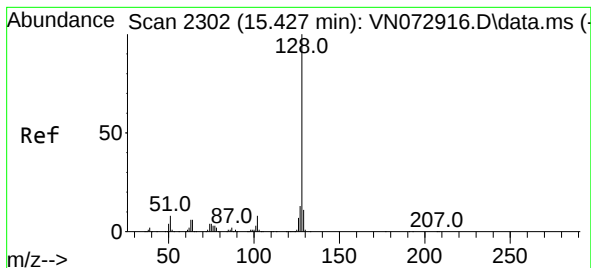
Tgt Ion:180 Resp: 4773
Ion Ratio Lower Upper
180 100
182 90.7 47.5 142.5
145 34.5 14.5 43.5



#94
Hexachlorobutadiene
Concen: 0.896 ug/l
RT: 15.292 min Scan# 2279
Delta R.T. -0.006 min
Lab File: VN072909.D
Acq: 17 Jun 2022 13:50

Tgt Ion:225 Resp: 1755
Ion Ratio Lower Upper
225 100
223 69.9 32.4 97.2
227 80.9 31.8 95.4





#95

Naphthalene

Concen: 1.131 ug/l

RT: 15.421 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

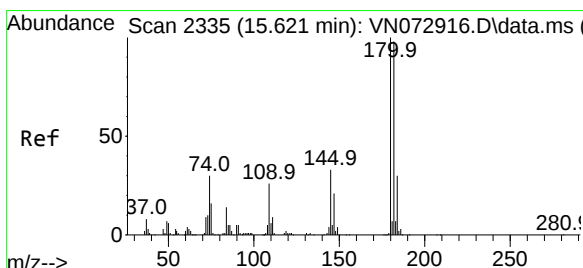
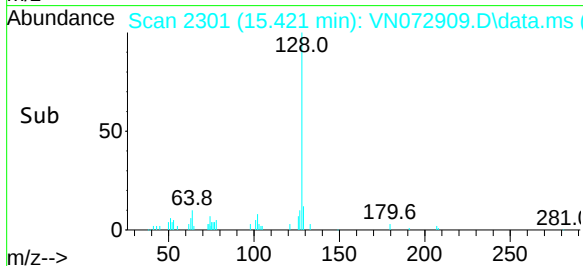
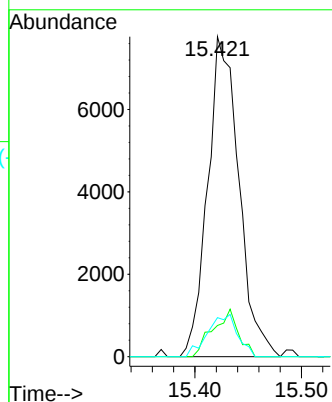
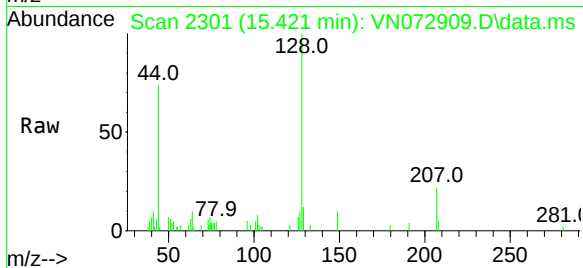
Tgt Ion:128 Resp: 15775

Ion Ratio Lower Upper

128 100

127 12.0 10.3 15.5

129 12.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.098 ug/l

RT: 15.615 min Scan# 2334

Delta R.T. -0.006 min

Lab File: VN072909.D

Acq: 17 Jun 2022 13:50

Tgt Ion:180 Resp: 4352

Ion Ratio Lower Upper

180 100

182 102.0 47.8 143.3

145 36.1 15.5 46.5

