

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073095.D
 Acq On : 24 Jun 2022 20:14
 Operator : JC\MD
 Sample : N3455-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-EXC-2-1-GR

Quant Time: Jun 24 23:41:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

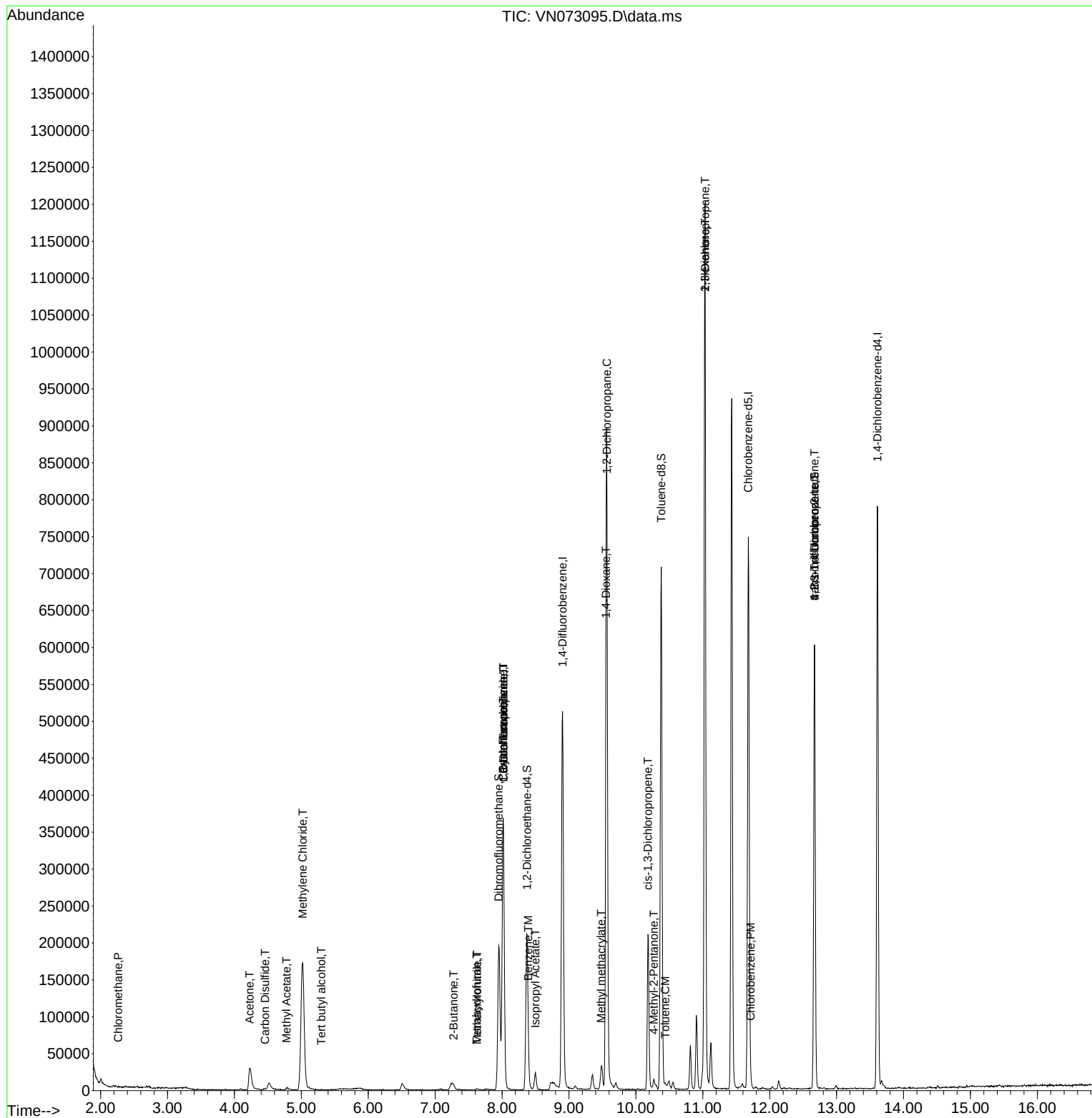
Internal Standards						
1) Pentafluorobenzene	8.016	168	276054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	457624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	429277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	208387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	173555	46.502	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.000%		
35) Dibromofluoromethane	7.951	113	145473	51.431	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.860%		
50) Toluene-d8	10.380	98	484311	46.015	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.040%		
62) 4-Bromofluorobenzene	12.668	95	206081	54.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.900%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	438	0.723	ug/l #	78
11) Tert butyl alcohol	5.298	59	260	0.270	ug/l #	72
16) Acetone	4.228	43	58703	28.614	ug/l	89
17) Carbon Disulfide	4.457	76	1585	0.234	ug/l #	32
18) Methyl Acetate	4.781	43	5580	1.021	ug/l #	79
20) Methylene Chloride	5.022	84	145099	45.576	ug/l	92
25) 2-Butanone	7.275	43	9985	3.067	ug/l #	81
26) 2,2-Dichloropropane	7.234	77	555	Below Cal	#	53
29) Tetrahydrofuran	7.622	42	1336	0.621	ug/l #	32
31) Cyclohexane	8.016	56	6405	1.269	ug/l #	5
36) 1,1-Dichloropropene	8.022	75	22323	5.833	ug/l #	48
38) Carbon Tetrachloride	8.022	117	29413	7.306	ug/l #	16
40) Benzene	8.392	78	7929	0.659	ug/l #	75
41) Methacrylonitrile	7.628	41	831	0.286	ug/l #	29
43) Isopropyl Acetate	8.498	43	26035	2.975	ug/l #	88
45) 1,2-Dichloropropane	9.569	63	1128	0.367	ug/l #	44
48) Methyl methacrylate	9.480	41	8645	2.164	ug/l #	22
49) 1,4-Dioxane	9.551	88	65	0.723	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	14498	2.541	ug/l #	66
52) Toluene	10.439	92	2573	0.348	ug/l	91
54) cis-1,3-Dichloropropene	10.180	75	38785	7.991	ug/l #	69
57) 1,3-Dichloropropane	11.033	76	11740	2.182	ug/l #	42
59) 2-Hexanone	11.033	43	200197	45.358	ug/l #	44
65) Chlorobenzene	11.716	112	7167	0.855	ug/l	90
76) 1,2,3-Trichloropropane	12.668	75	108688	21.512	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	108688	58.097	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.527	75	66	Below Cal	#	1

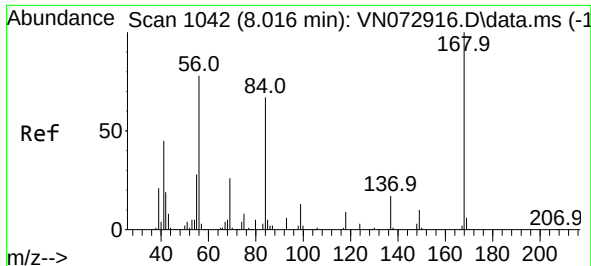
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
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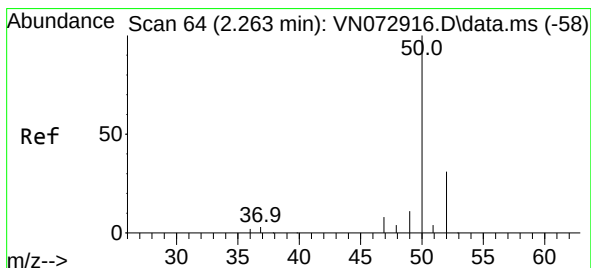
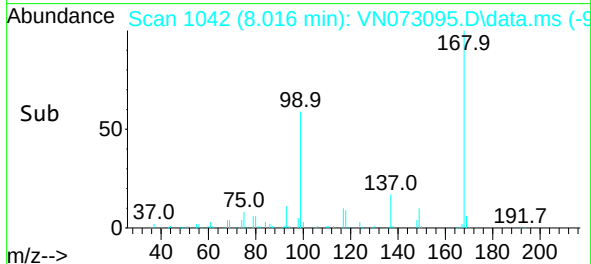
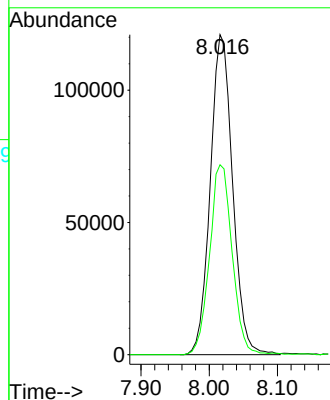
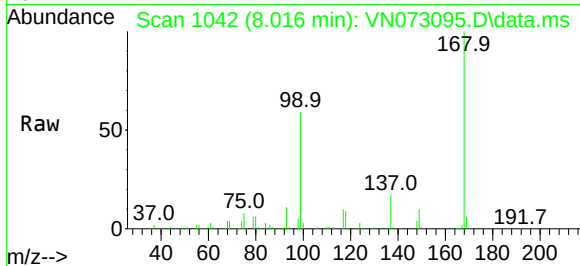




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

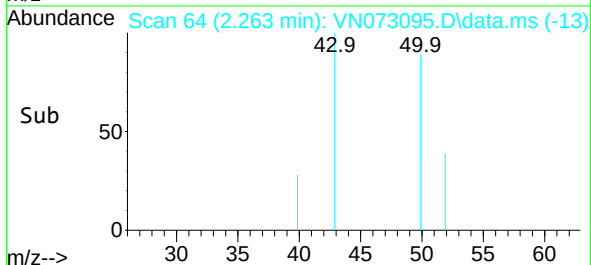
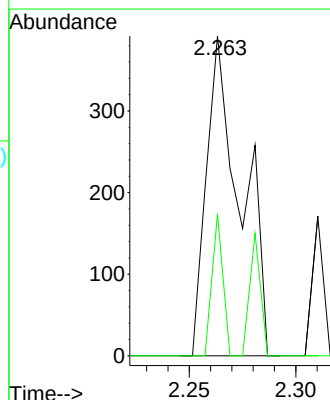
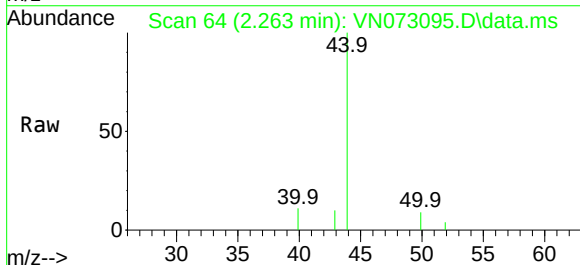
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

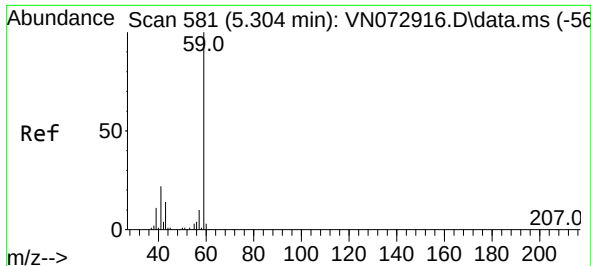
Tgt Ion:168 Resp: 276054
Ion Ratio Lower Upper
168 100
99 59.3 42.3 63.5



#3
Chloromethane
Concen: 0.723 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 50 Resp: 438
Ion Ratio Lower Upper
50 100
52 44.4 25.7 38.5#

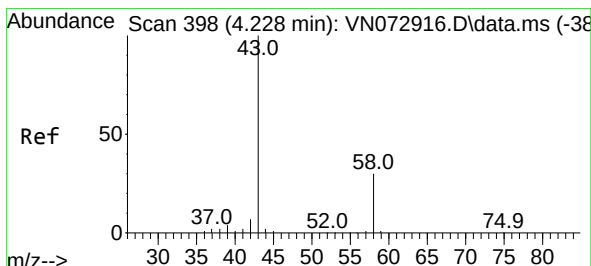
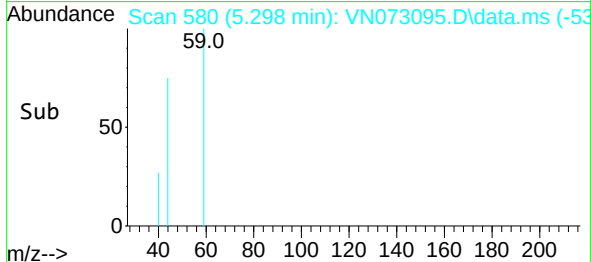
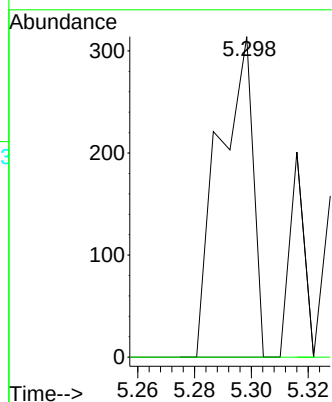
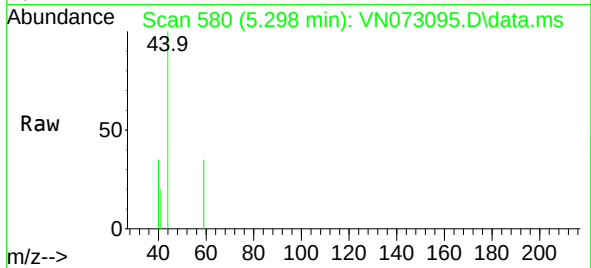




#11
Tert butyl alcohol
Concen: 0.270 ug/l
RT: 5.298 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

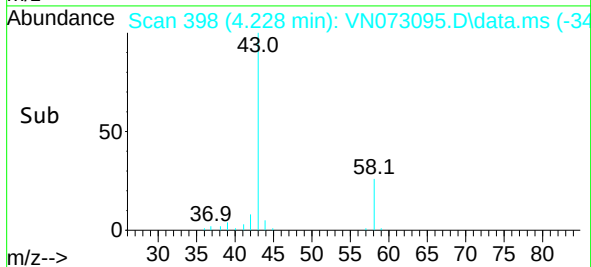
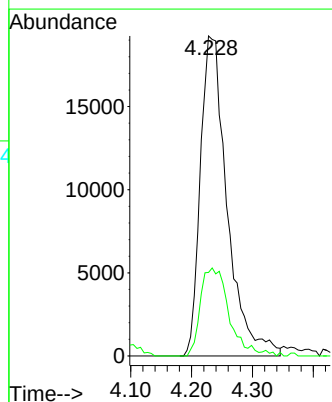
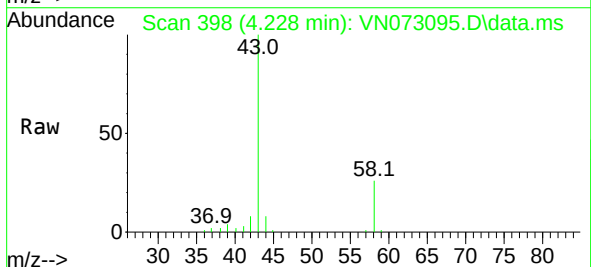
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

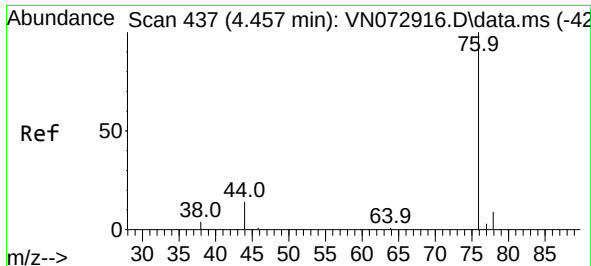
Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 28.614 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 43 Resp: 58703
Ion Ratio Lower Upper
43 100
58 26.1 26.0 39.0

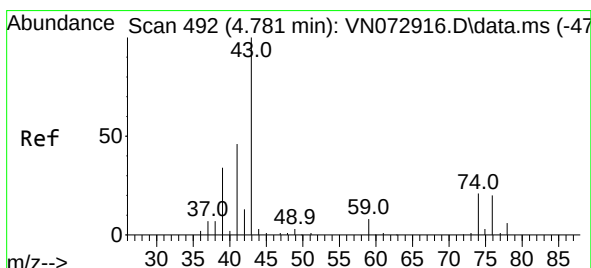
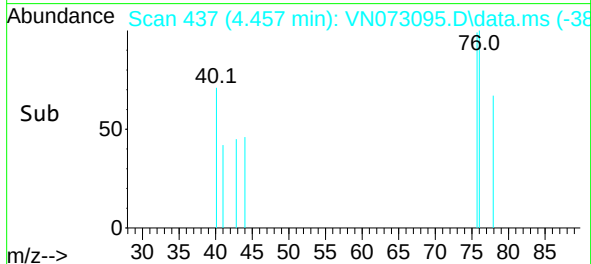
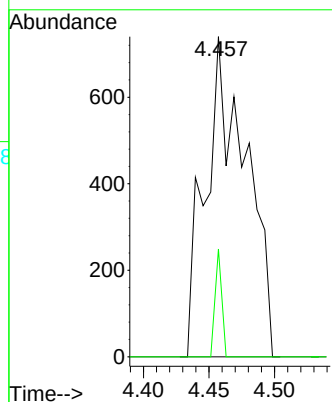
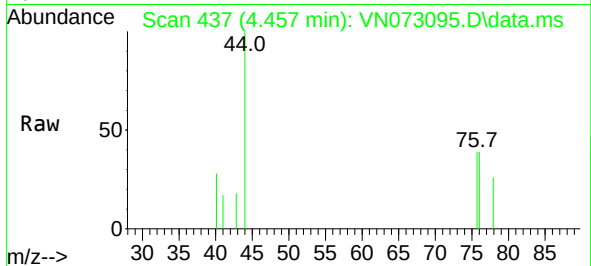




#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 4.457 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

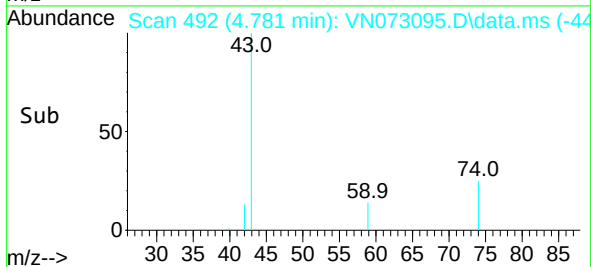
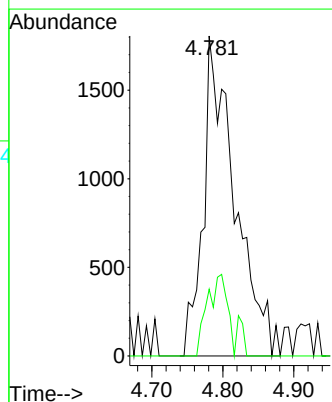
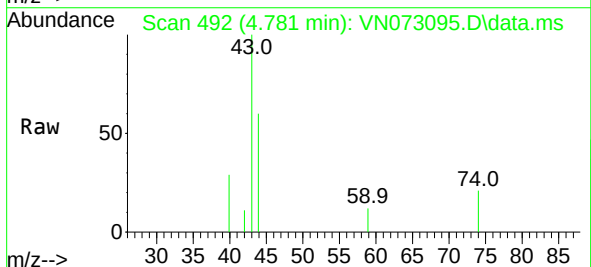
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

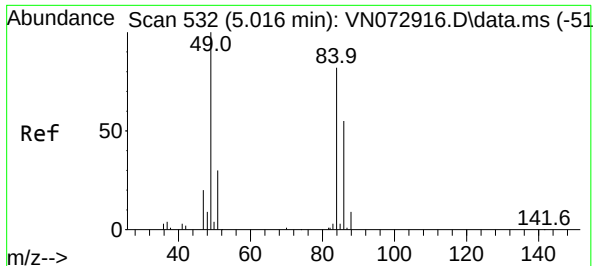
Tgt Ion: 76 Resp: 1585
Ion Ratio Lower Upper
76 100
78 33.6 7.2 10.8#



#18
Methyl Acetate
Concen: 1.021 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

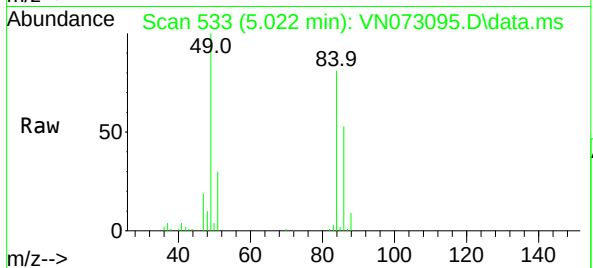
Tgt Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
74 16.2 21.6 32.4#



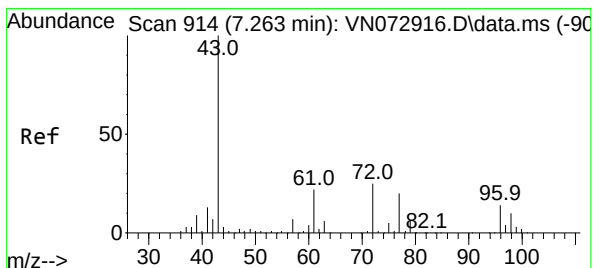
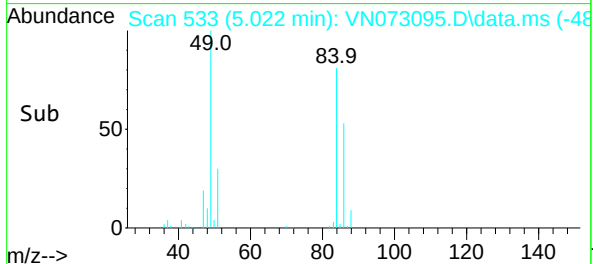
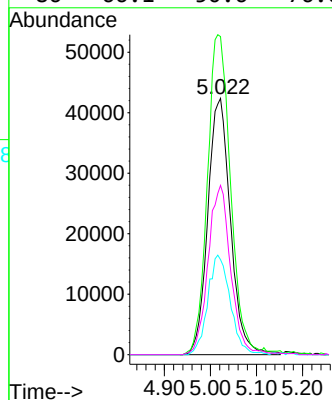


#20
Methylene Chloride
Concen: 45.576 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

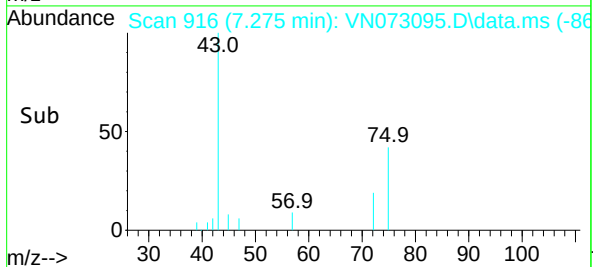
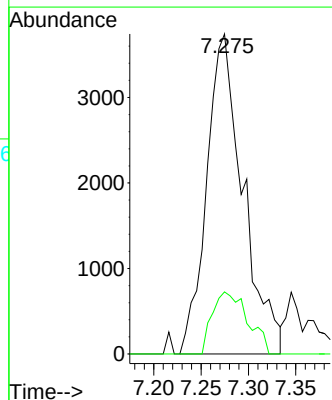
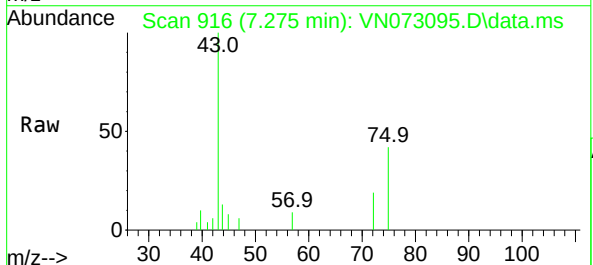


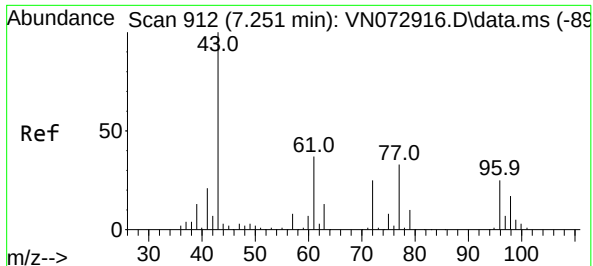
Tgt Ion: 84 Resp: 145099
Ion Ratio Lower Upper
84 100
49 124.1 88.3 132.5
51 37.1 28.2 42.2
86 66.1 50.6 76.0



#25
2-Butanone
Concen: 3.067 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.012 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 43 Resp: 9985
Ion Ratio Lower Upper
43 100
72 19.4 23.7 35.5#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.234 min Scan# 90

Delta R.T. -0.018 min

Lab File: VN073095.D

Acq: 24 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

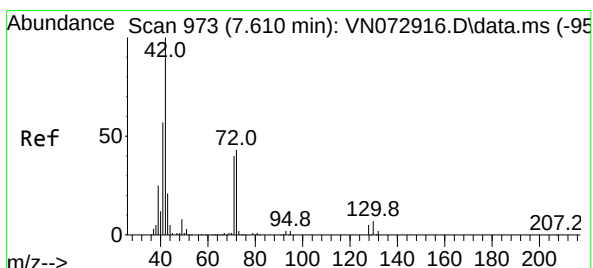
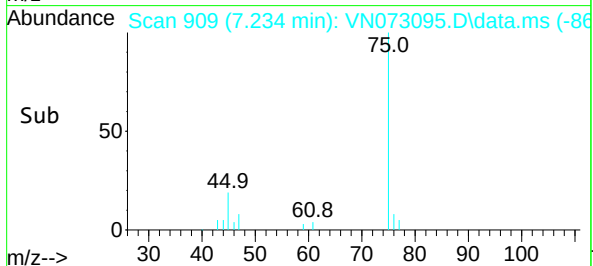
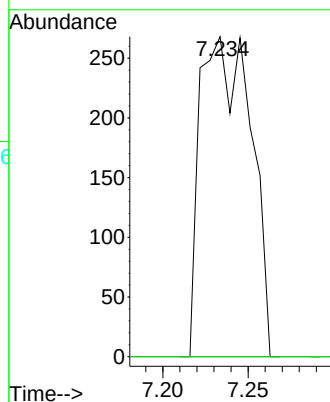
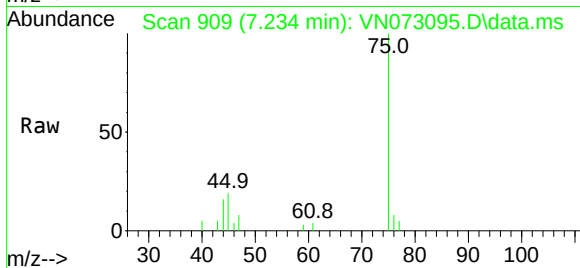
SP-EXC-2-1-GR

Tgt Ion: 77 Resp: 555

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.621 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073095.D

Acq: 24 Jun 2022 20:14

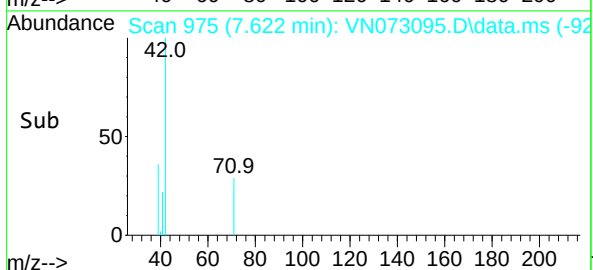
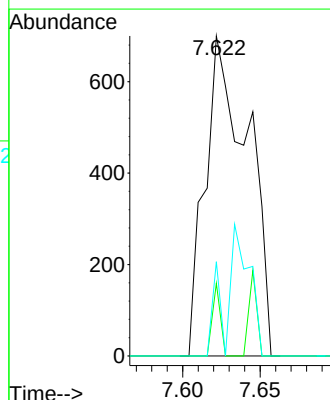
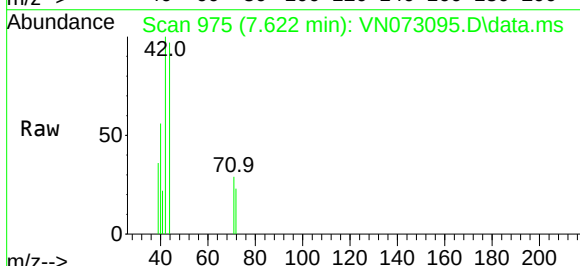
Tgt Ion: 42 Resp: 1336

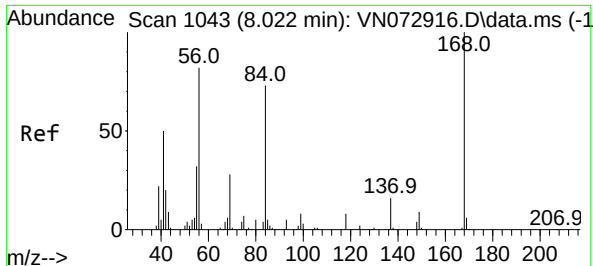
Ion Ratio Lower Upper

42 100

72 4.2 39.7 59.5#

71 0.0 36.6 55.0#

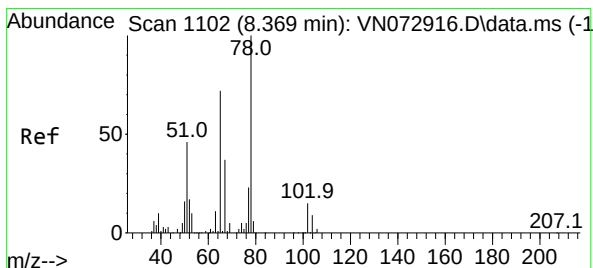
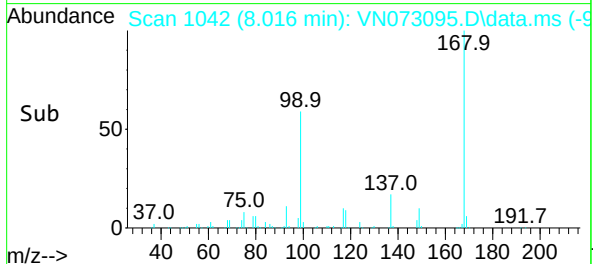
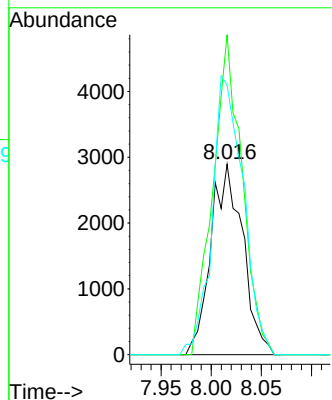
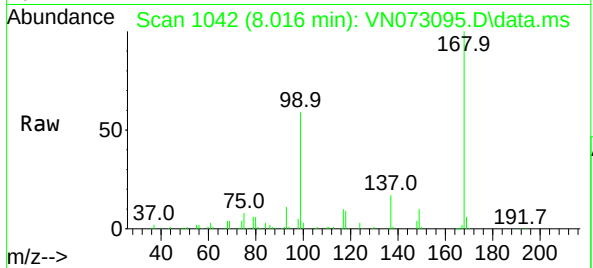




#31
Cyclohexane
Concen: 1.269 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

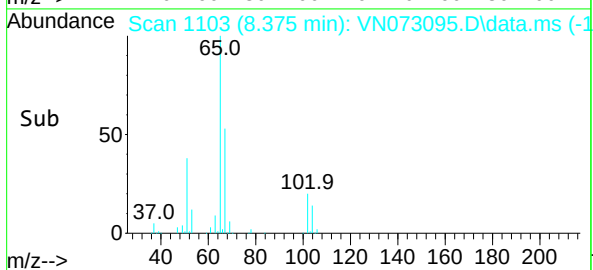
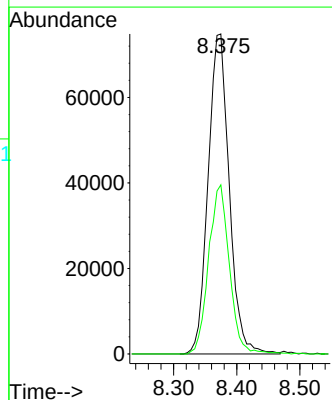
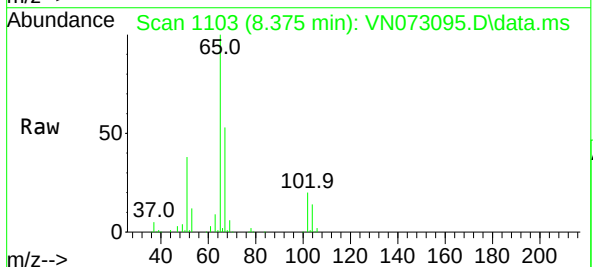
Instrument :
MSVOA_N
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SP-EXC-2-1-GR

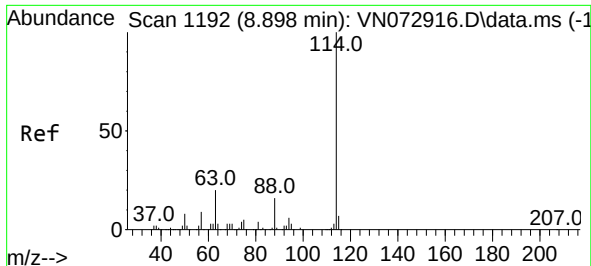
Tgt Ion: 56 Resp: 6405
Ion Ratio Lower Upper
56 100
69 168.1 27.8 41.8#
84 141.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.502 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 65 Resp: 173555
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8

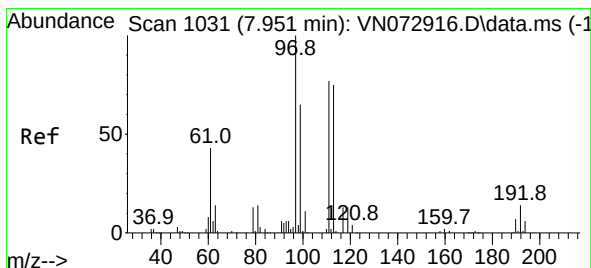
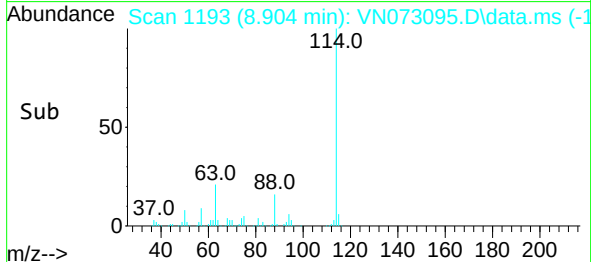
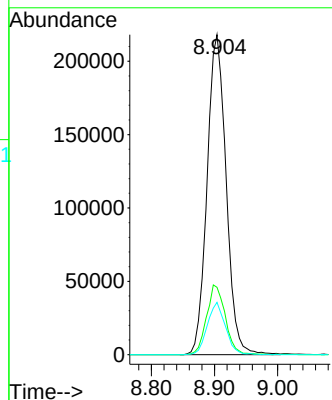
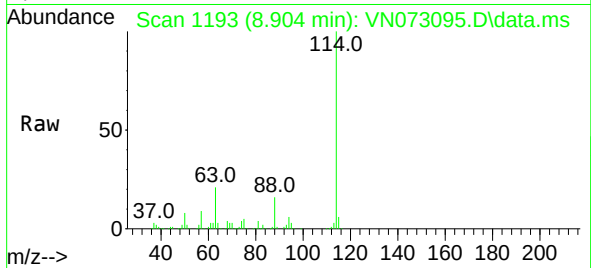




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1192
Delta R.T. 0.006 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

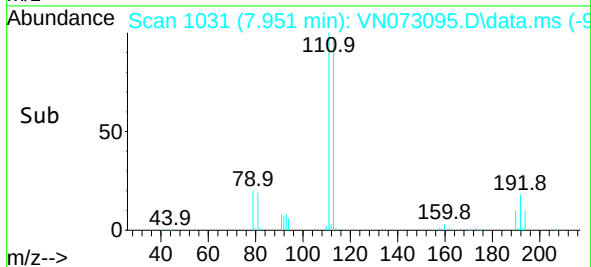
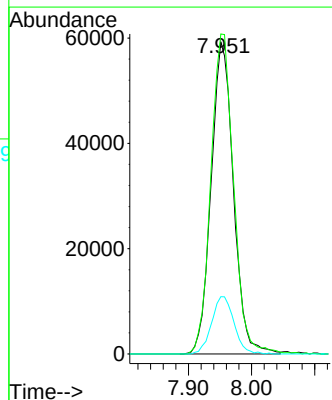
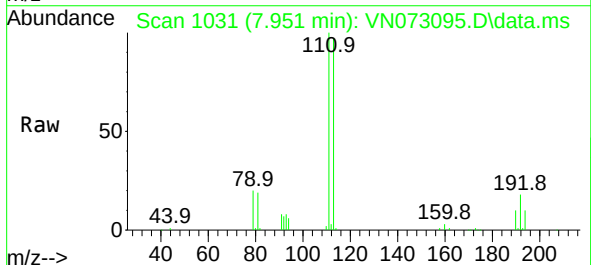
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

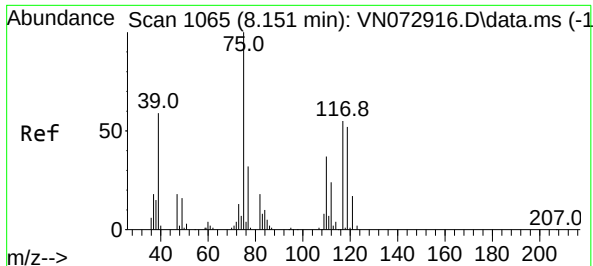
Tgt Ion:114 Resp: 457624
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.0
88 16.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.431 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion:113 Resp: 145473
Ion Ratio Lower Upper
113 100
111 104.5 81.4 122.0
192 18.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.833 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN073095.D

Acq: 24 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

SP-EXC-2-1-GR

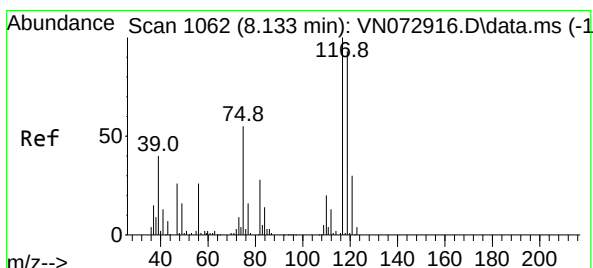
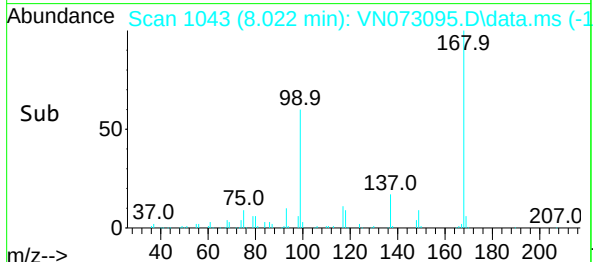
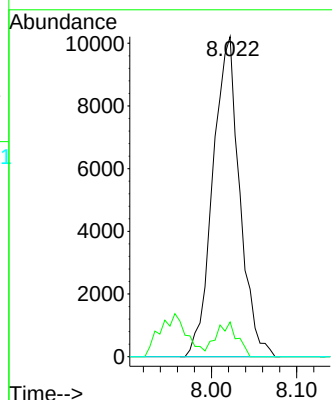
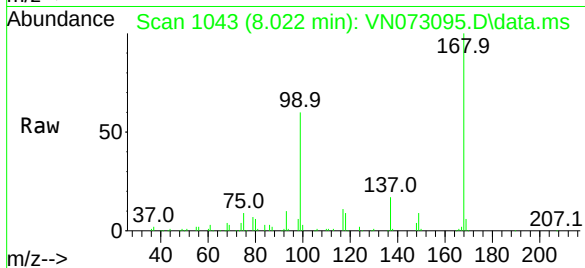
Tgt Ion: 75 Resp: 22323

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.306 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN073095.D

Acq: 24 Jun 2022 20:14

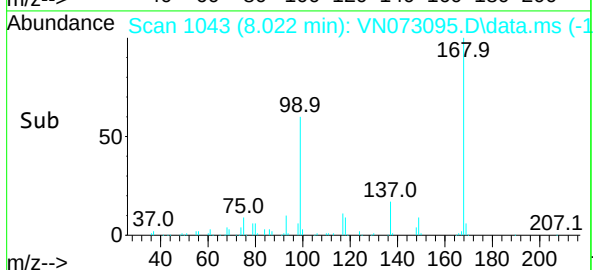
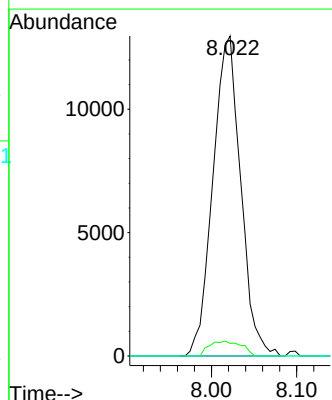
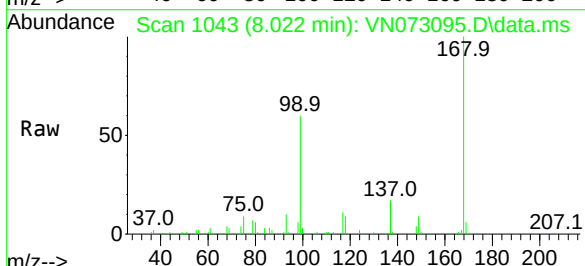
Tgt Ion: 117 Resp: 29413

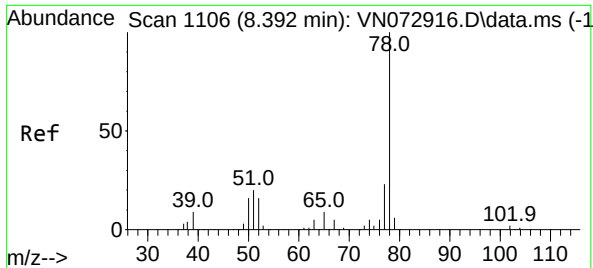
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

121 0.0 24.6 37.0#

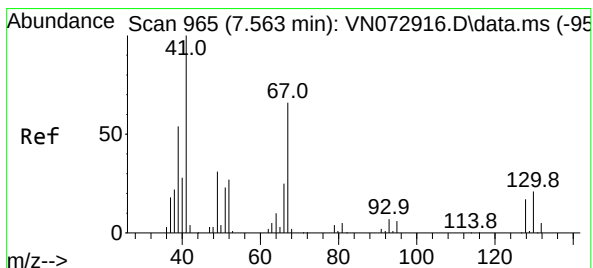
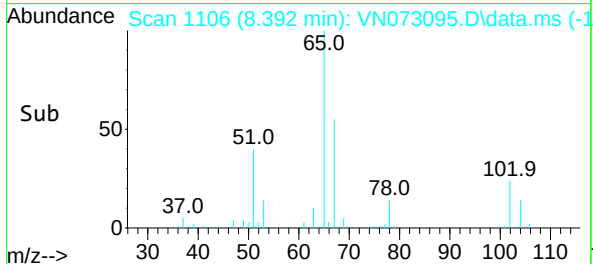
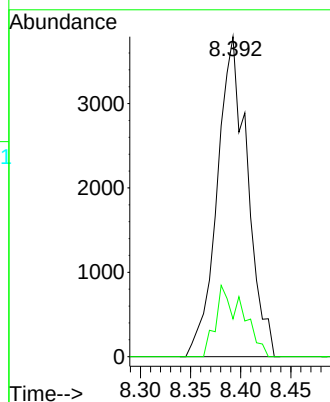
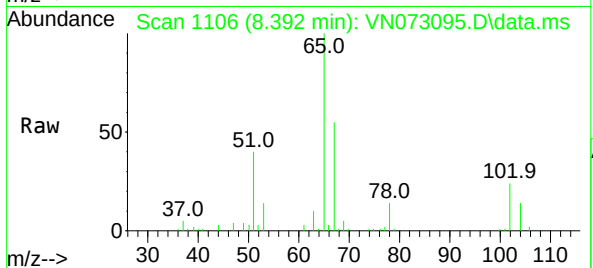




#40
Benzene
Concen: 0.659 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

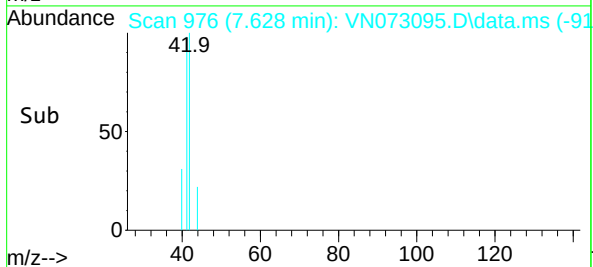
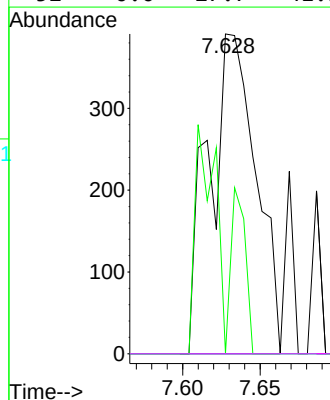
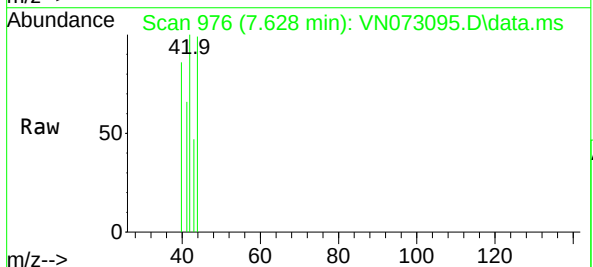
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

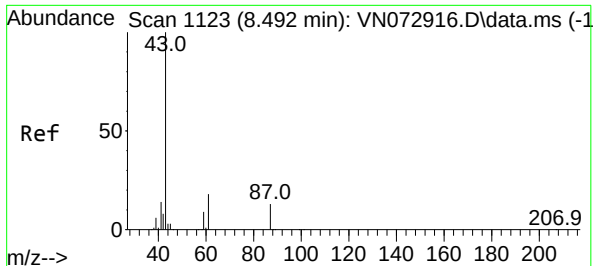
Tgt Ion: 78 Resp: 7929
Ion Ratio Lower Upper
78 100
77 11.8 19.4 29.0#



#41
Methacrylonitrile
Concen: 0.286 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 41 Resp: 831
Ion Ratio Lower Upper
41 100
39 30.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

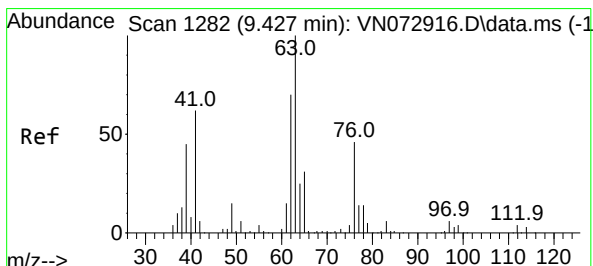
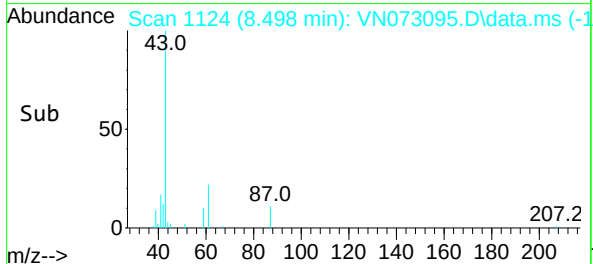
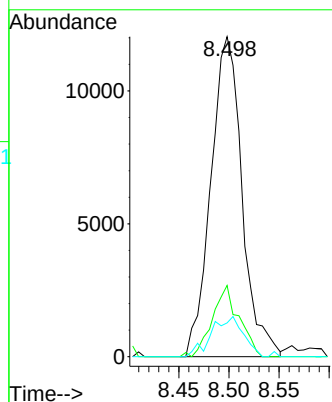
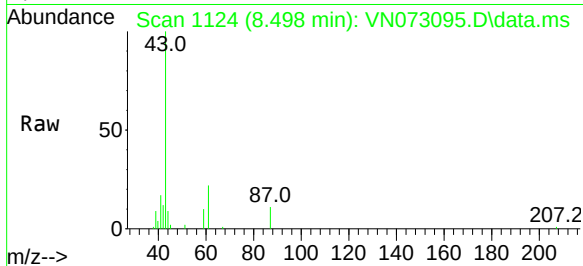




#43
Isopropyl Acetate
Concen: 2.975 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

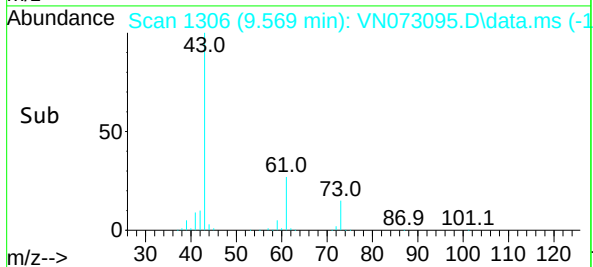
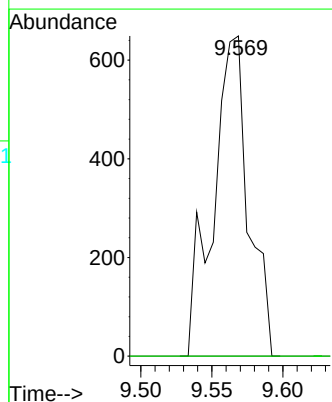
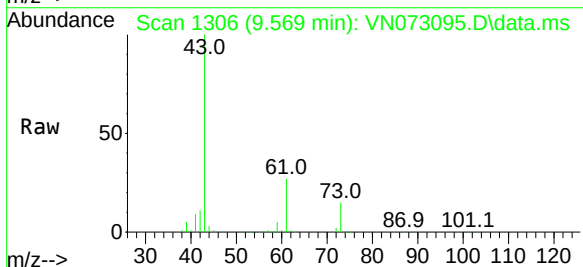
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

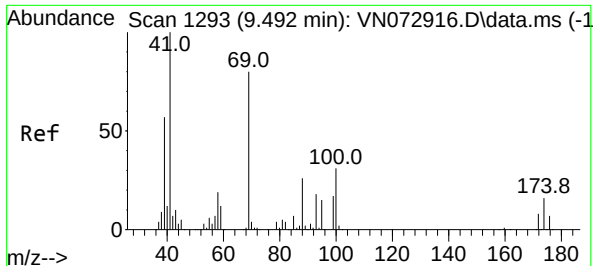
Tgt Ion: 43 Resp: 26035
Ion Ratio Lower Upper
43 100
61 19.0 21.9 32.9#
87 12.8 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.367 ug/l
RT: 9.569 min Scan# 1306
Delta R.T. 0.141 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 63 Resp: 1128
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

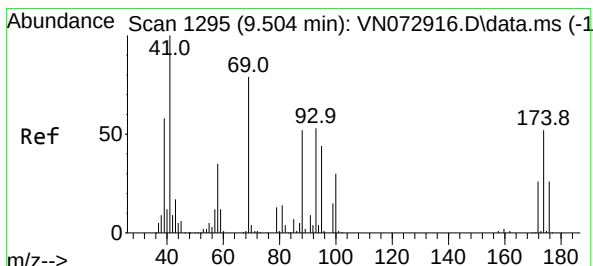
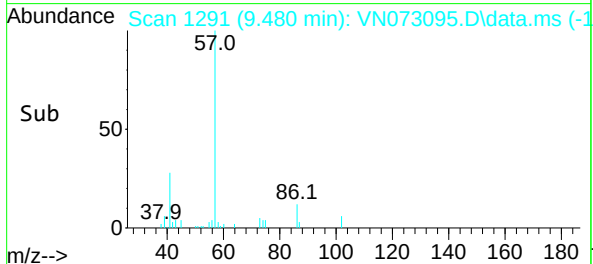
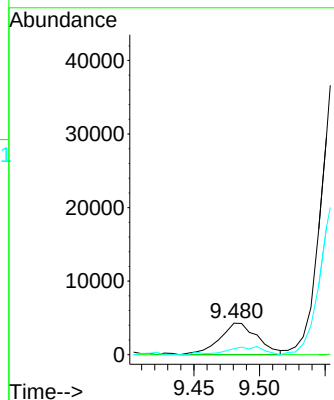
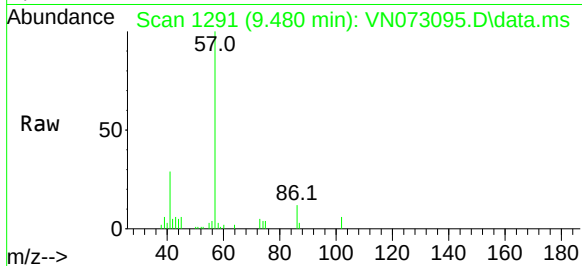




#48
Methyl methacrylate
Concen: 2.164 ug/l
RT: 9.480 min Scan# 1303
Delta R.T. -0.012 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

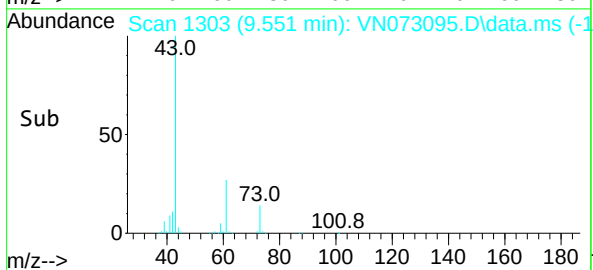
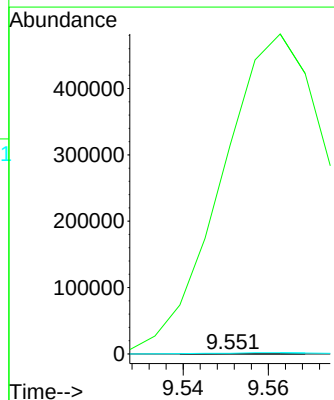
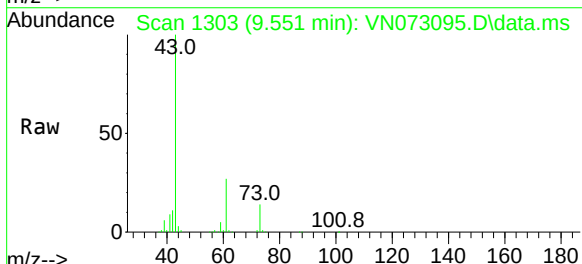
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

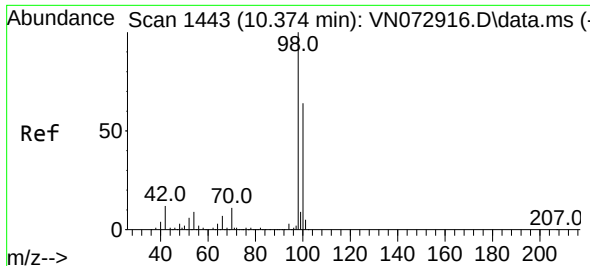
Tgt Ion: 41 Resp: 8645
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 22.5 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.723 ug/l
RT: 9.551 min Scan# 1303
Delta R.T. 0.047 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 1391346.2 20.2 30.4#
58 5452.3 54.2 81.4#

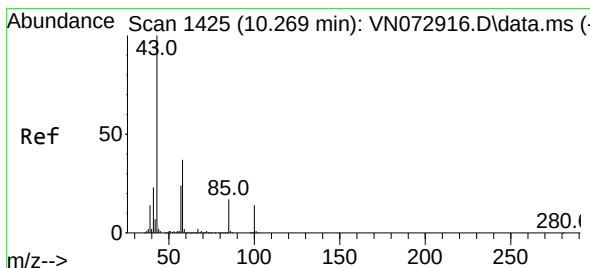
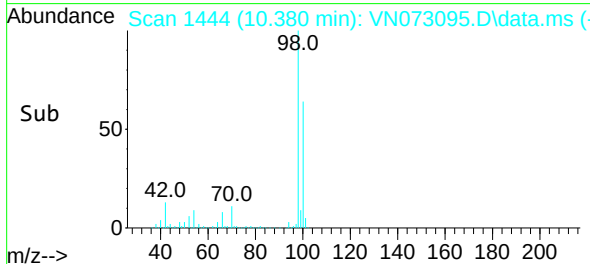
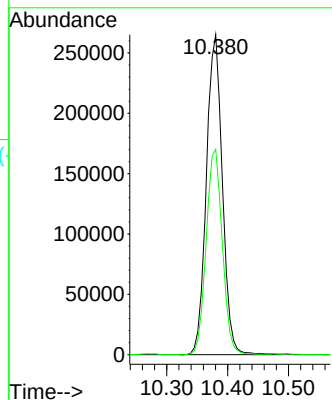
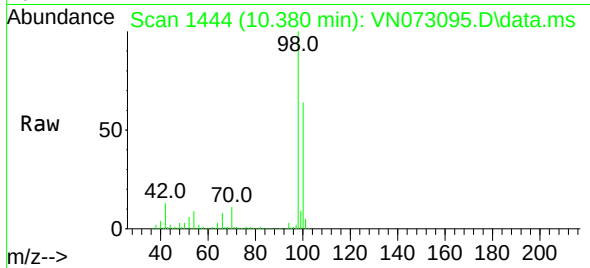




#50
Toluene-d8
Concen: 46.015 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

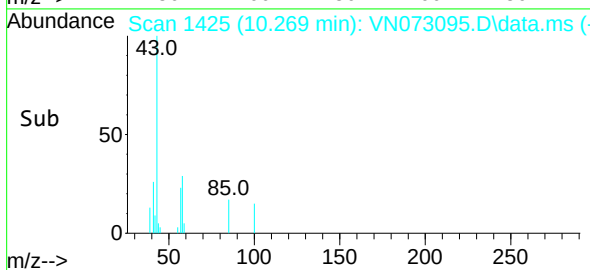
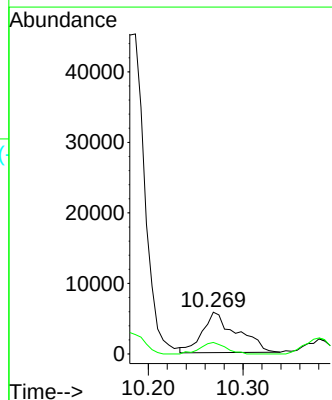
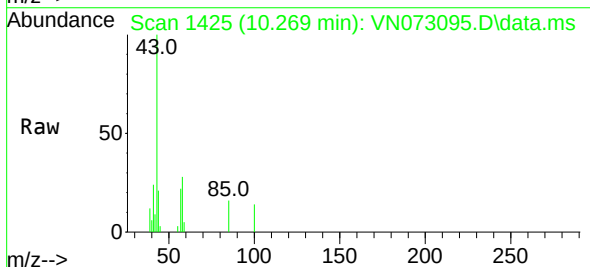
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

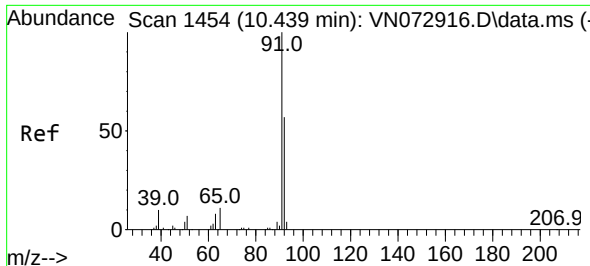
Tgt Ion: 98 Resp: 484311
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.541 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 43 Resp: 14498
Ion Ratio Lower Upper
43 100
58 20.9 34.1 51.1#

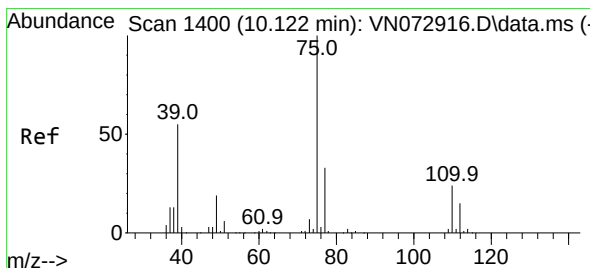
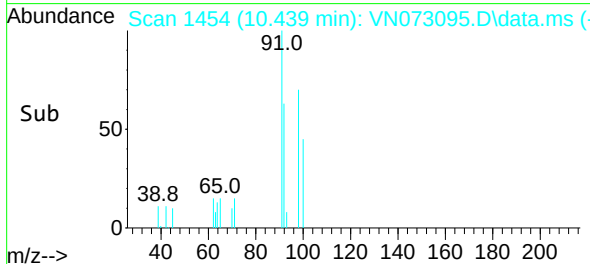
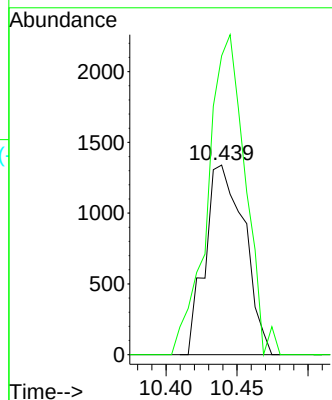
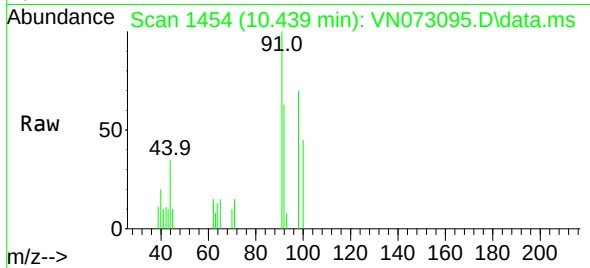




#52
Toluene
Concen: 0.348 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

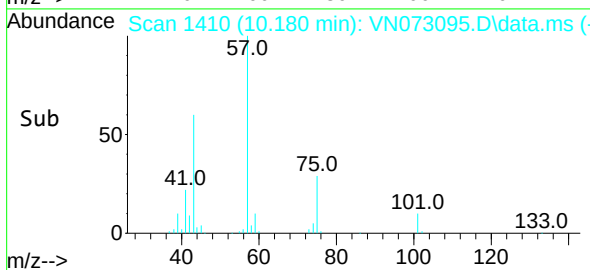
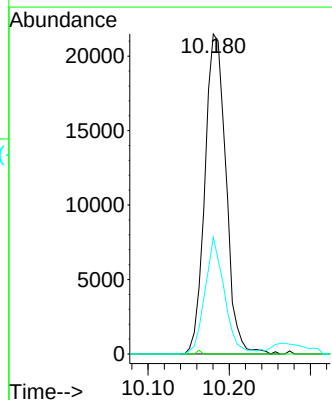
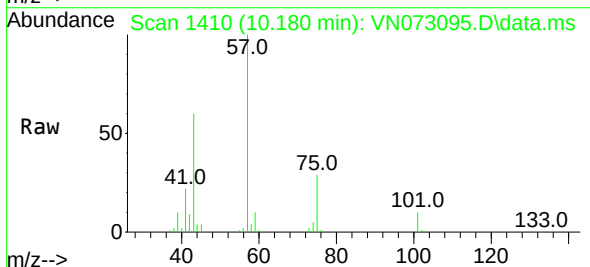
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

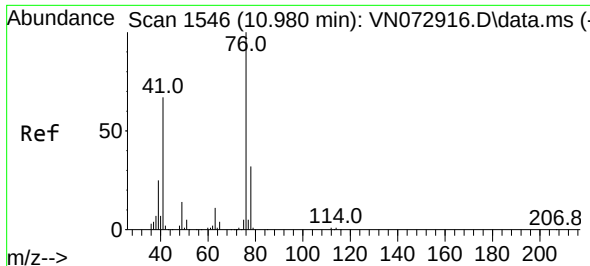
Tgt Ion: 92 Resp: 2573
Ion Ratio Lower Upper
92 100
91 161.4 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 7.991 ug/l
RT: 10.180 min Scan# 1410
Delta R.T. 0.059 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 75 Resp: 38785
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 36.4 35.7 53.5





#57

1,3-Dichloropropane

Concen: 2.182 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.053 min

Lab File: VN073095.D

Acq: 24 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

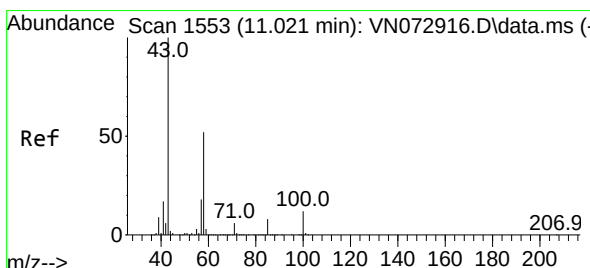
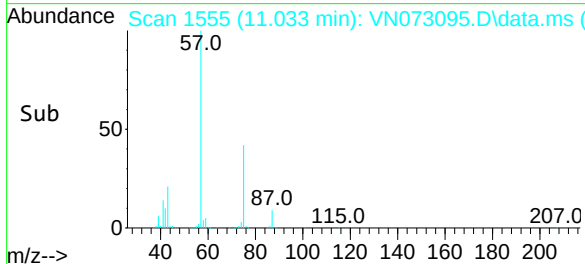
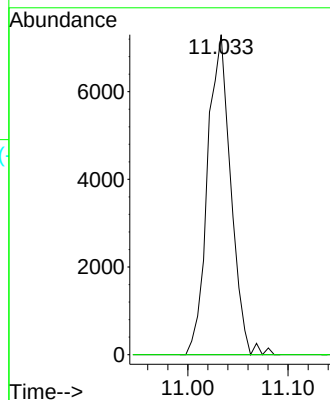
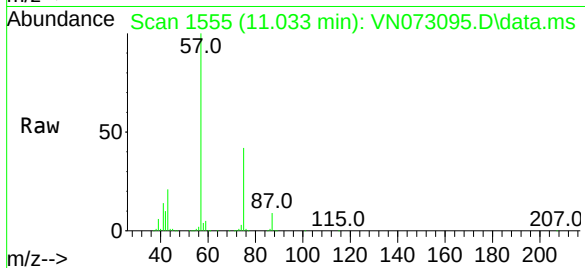
SP-EXC-2-1-GR

Tgt Ion: 76 Resp: 11740

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 45.358 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.012 min

Lab File: VN073095.D

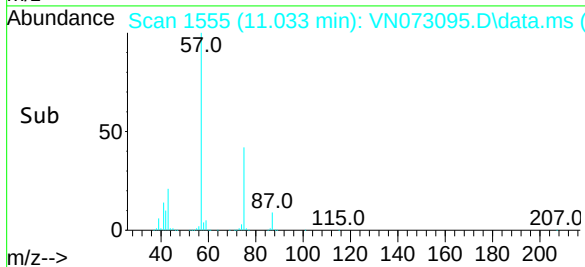
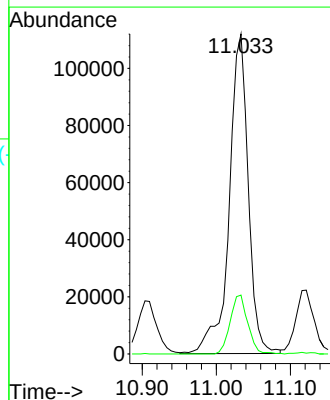
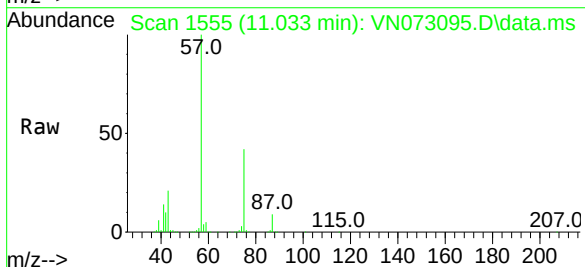
Acq: 24 Jun 2022 20:14

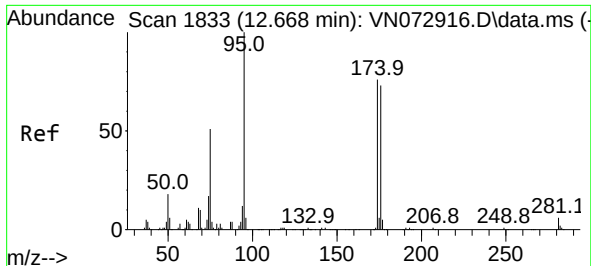
Tgt Ion: 43 Resp: 200197

Ion Ratio Lower Upper

43 100

58 17.0 29.7 89.1#

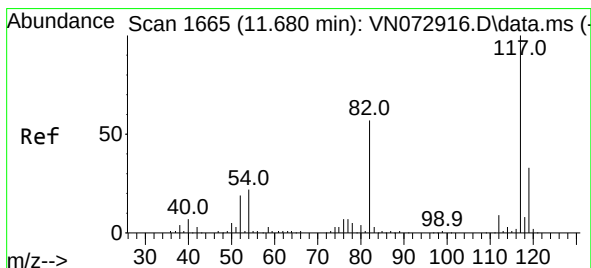
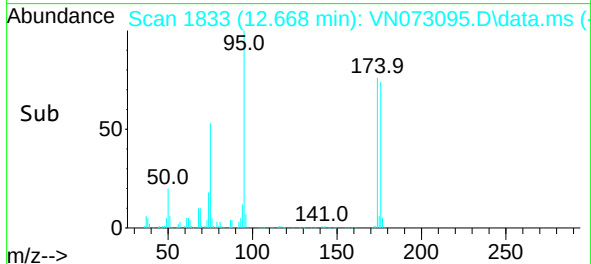
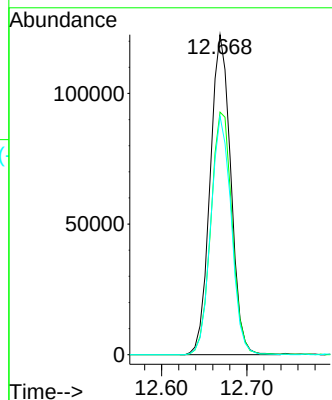
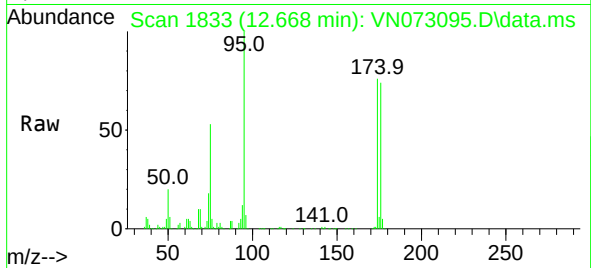




#62
4-Bromofluorobenzene
Concen: 54.452 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

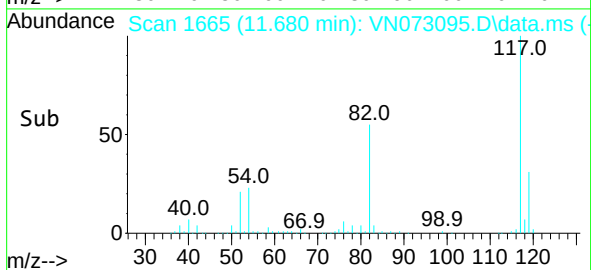
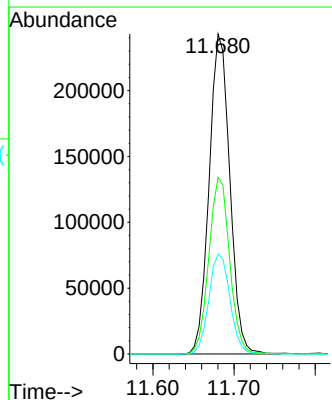
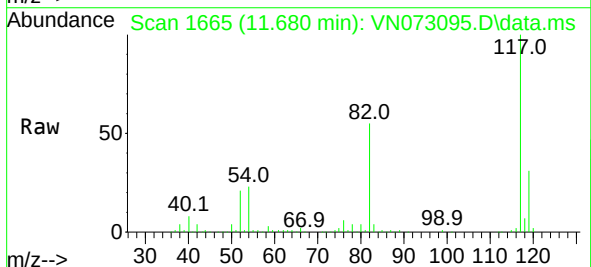
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

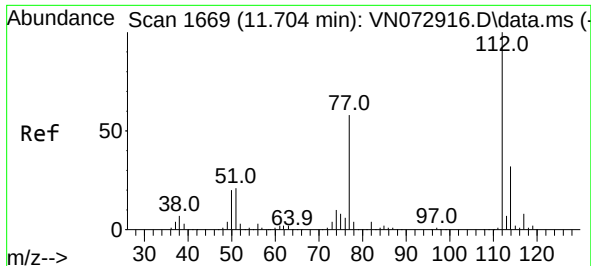
Tgt Ion: 95 Resp: 206081
Ion Ratio Lower Upper
95 100
174 77.8 0.0 167.6
176 73.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 117 Resp: 429277
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.3 25.4 38.0

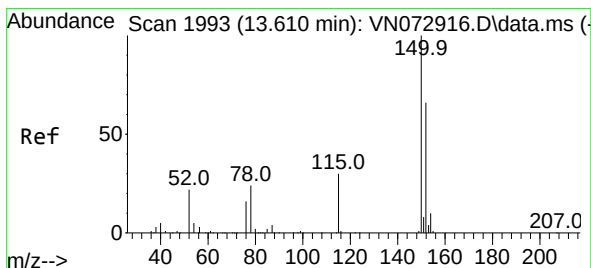
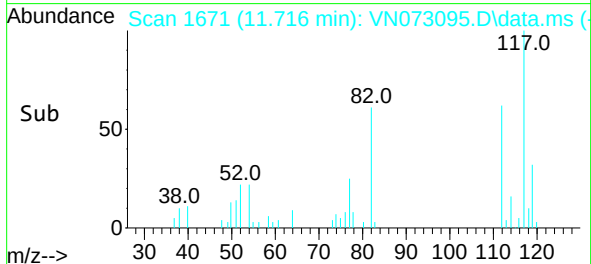
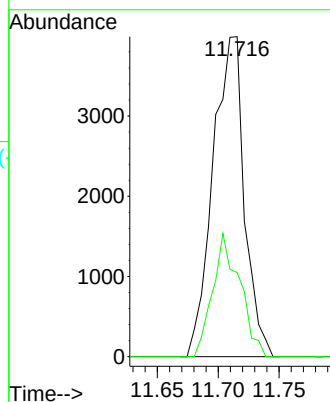
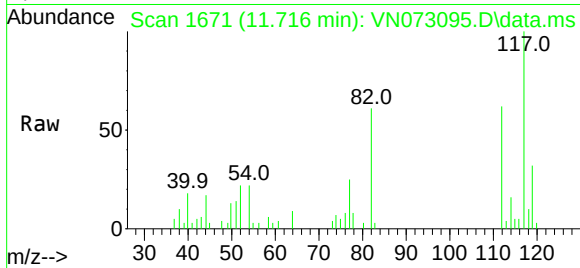




#65
Chlorobenzene
Concen: 0.855 ug/l
RT: 11.716 min Scan# 1171
Delta R.T. 0.012 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

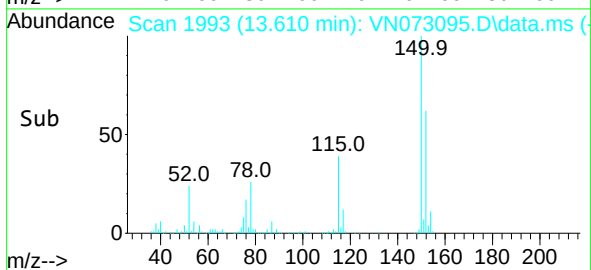
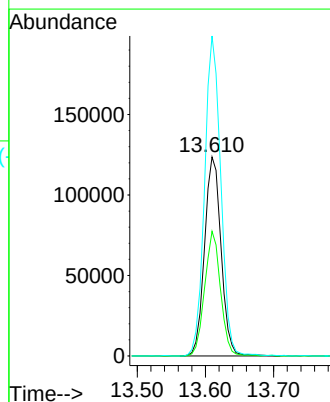
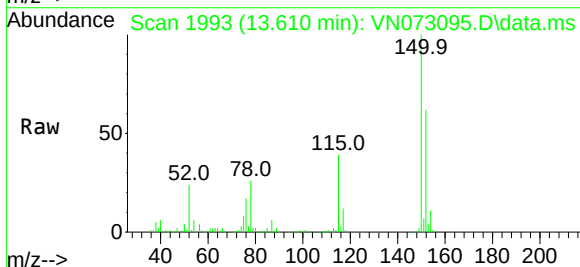
Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

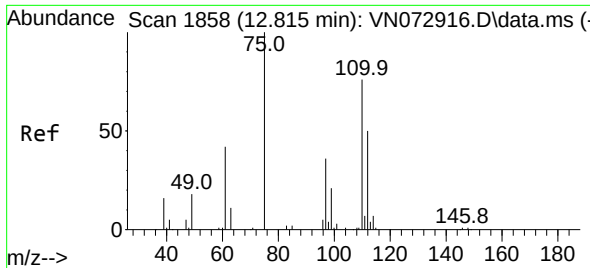
Tgt Ion:112 Resp: 7167
Ion Ratio Lower Upper
112 100
114 26.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion:152 Resp: 208387
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.7
150 157.5 0.0 356.2

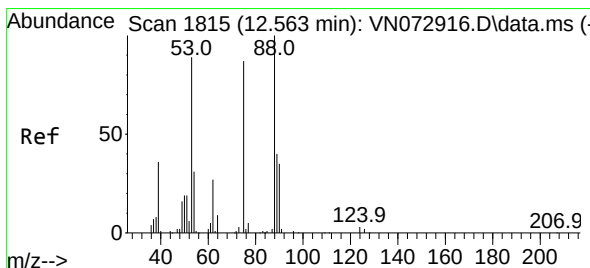
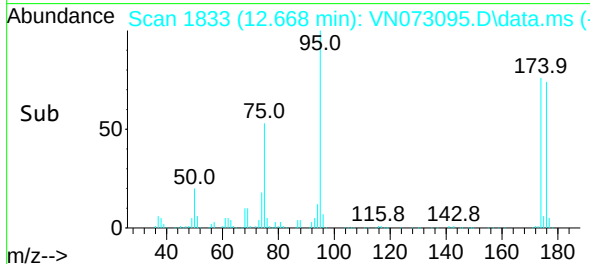
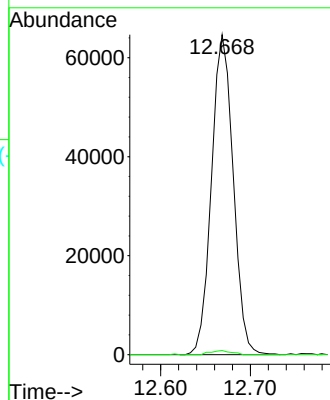
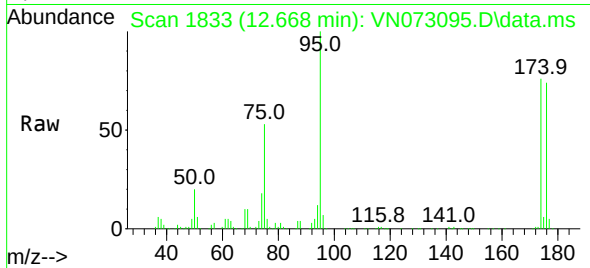




#76
1,2,3-Trichloropropane
Concen: 21.512 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Instrument :
MSVOA_N
ClientSampleId :
SP-EXC-2-1-GR

Tgt Ion: 75 Resp: 108688
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.097 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073095.D
Acq: 24 Jun 2022 20:14

Tgt Ion: 75 Resp: 108688
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

