

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
 Data File : VN071411.D
 Acq On : 19 Mar 2022 20:33
 Operator : JC\MD
 Sample : N1962-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-19-18-19

Quant Time: Mar 21 05:55:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

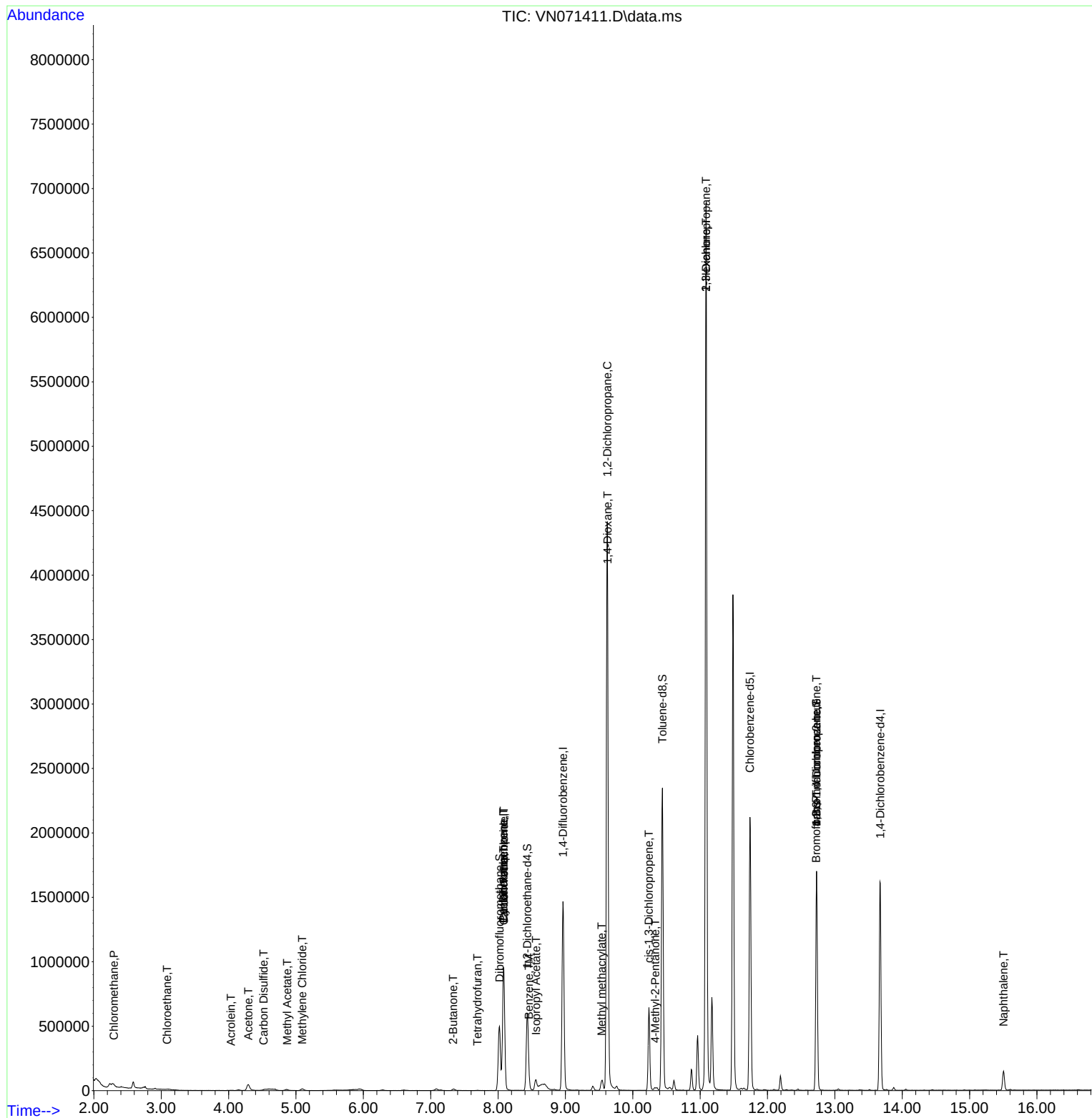
Internal Standards						
1) Pentafluorobenzene	8.081	168	739396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1261706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1230827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	448827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	492817	48.632	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.260%		
35) Dibromofluoromethane	8.022	113	367539	46.163	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.320%		
50) Toluene-d8	10.439	98	1594046	49.726	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.460%		
62) 4-Bromofluorobenzene	12.727	95	583746	53.776	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.560%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	3741	0.309	ug/l #	82
5) Bromomethane	2.840	94	893	Below Cal		100
6) Chloroethane	3.087	64	11773	1.958	ug/l #	63
13) Acrolein	4.034	56	2735	1.298	ug/l	95
16) Acetone	4.293	43	83834	17.002	ug/l	90
17) Carbon Disulfide	4.522	76	8303	0.393	ug/l	97
18) Methyl Acetate	4.869	43	18752	1.873	ug/l #	51
20) Methylene Chloride	5.093	84	10709	1.561	ug/l #	90
25) 2-Butanone	7.334	43	22731	2.862	ug/l	93
29) Tetrahydrofuran	7.692	42	1772	0.322	ug/l #	63
31) Cyclohexane	8.081	56	15559	0.961	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	57810	4.532	ug/l #	50
38) Carbon Tetrachloride	8.087	117	73116	5.926	ug/l #	17
40) Benzene	8.457	78	21126	0.550	ug/l	95
43) Isopropyl Acetate	8.563	43	101656	3.872	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	5710	0.553	ug/l #	44
48) Methyl methacrylate	9.539	41	24359	2.002	ug/l #	8
49) 1,4-Dioxane	9.628	88	444	2.099	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	16123	0.990	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	112287	7.264	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	69014	4.054	ug/l #	43
59) 2-Hexanone	11.086	43	1094061	98.413	ug/l #	49
71) Bromoform	12.722	173	2626	0.357	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	366	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	306377	26.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	306377	73.791	ug/l #	5
95) Naphthalene	15.504	128	141178	11.234	ug/l	100

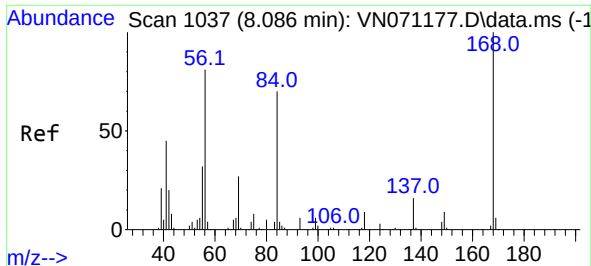
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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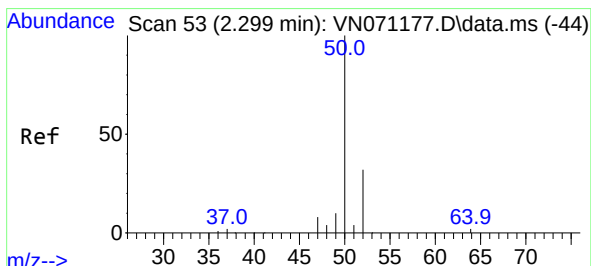
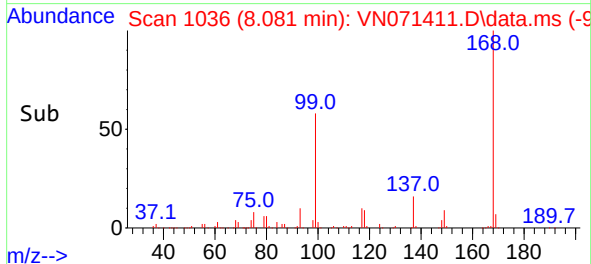
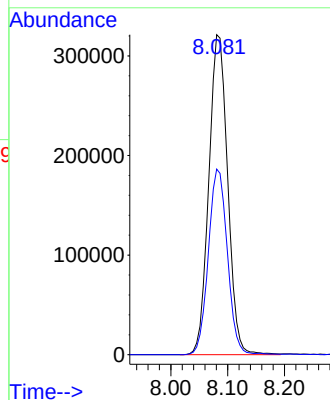
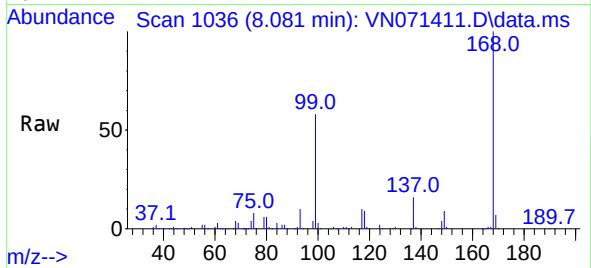




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

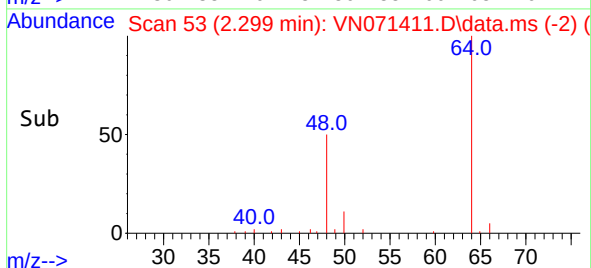
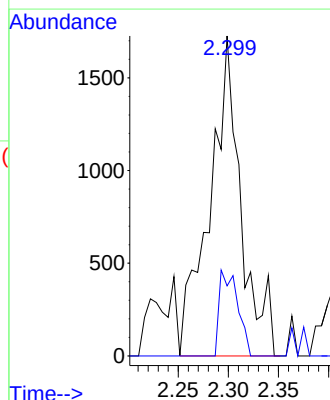
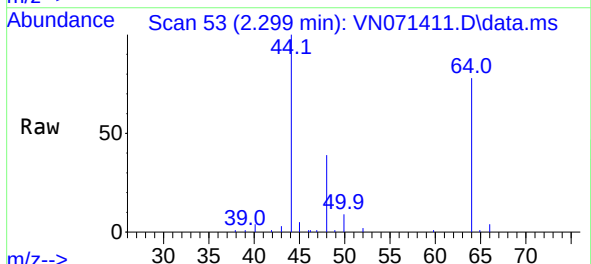
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

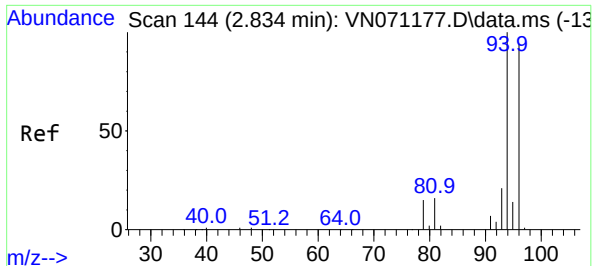
Tgt Ion:168 Resp: 739396
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.309 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 50 Resp: 3741
Ion Ratio Lower Upper
50 100
52 21.9 25.4 38.0#

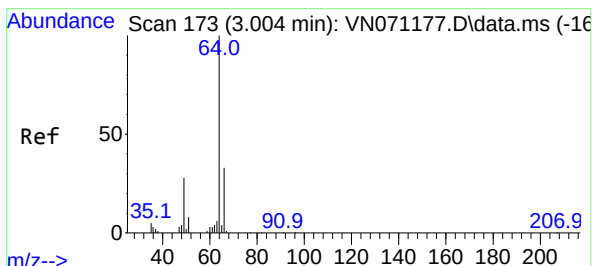
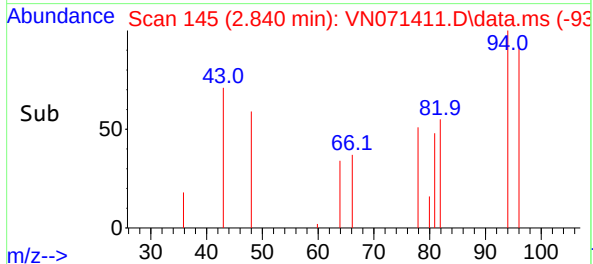
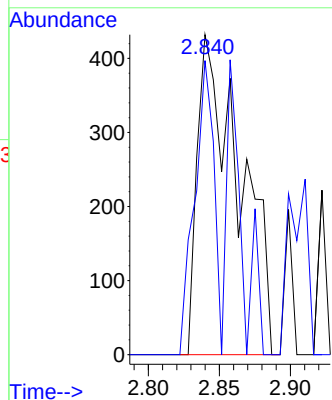
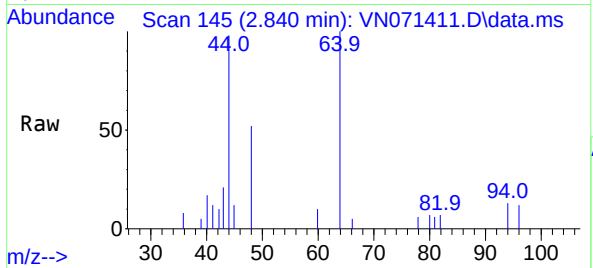




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 144
Delta R.T. 0.006 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

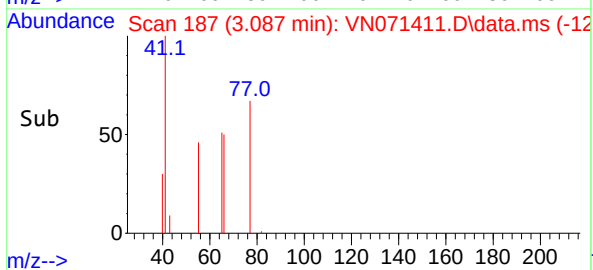
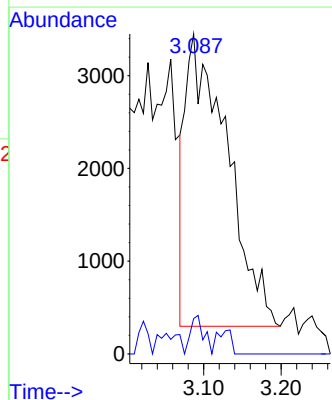
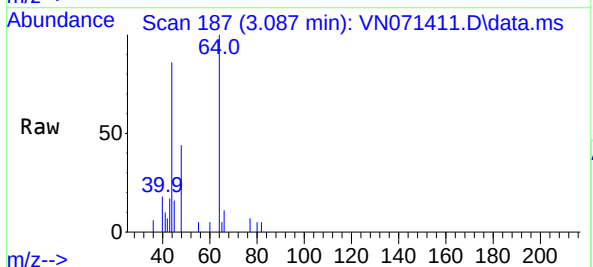
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

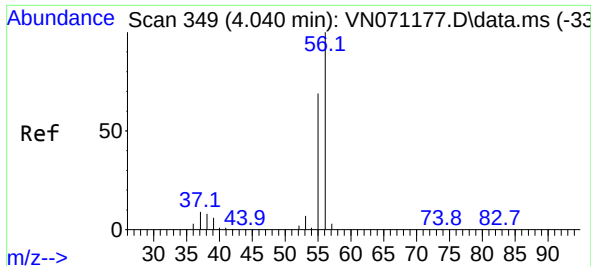
Tgt Ion: 94 Resp: 893
Ion Ratio Lower Upper
94 100
96 91.9 73.8 110.8



#6
Chloroethane
Concen: 1.958 ug/l
RT: 3.087 min Scan# 187
Delta R.T. 0.083 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 64 Resp: 11773
Ion Ratio Lower Upper
64 100
66 12.1 26.3 39.5#

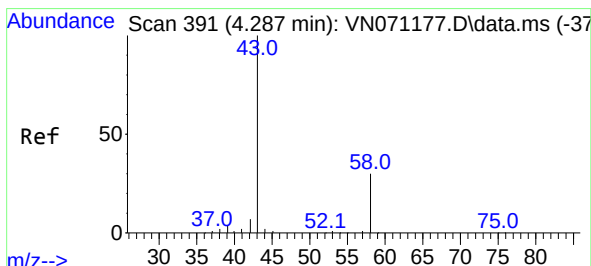
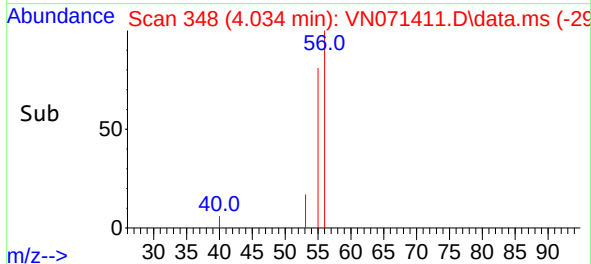
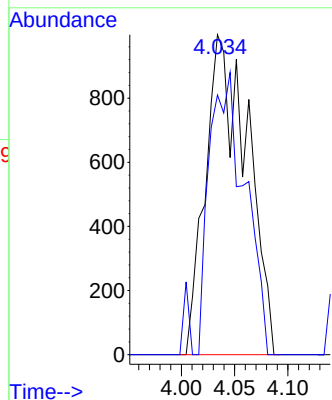
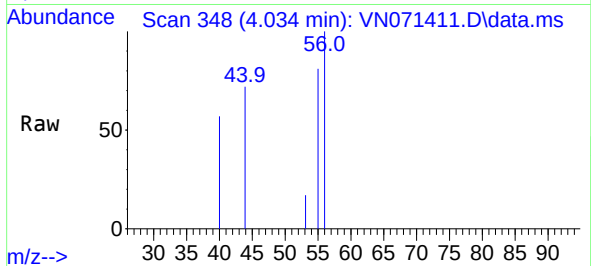




#13
Acrolein
Concen: 1.298 ug/l
RT: 4.034 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

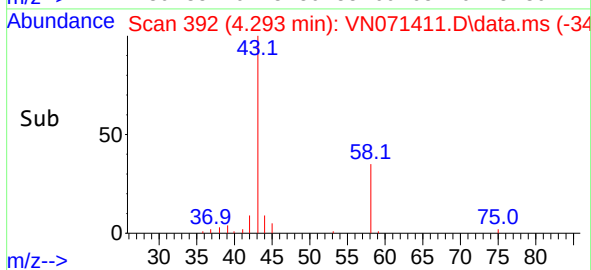
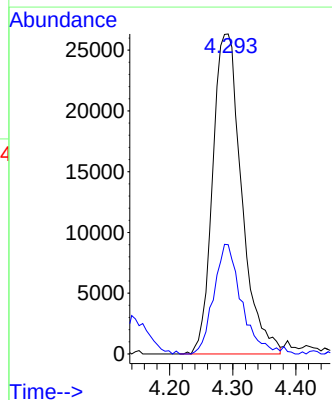
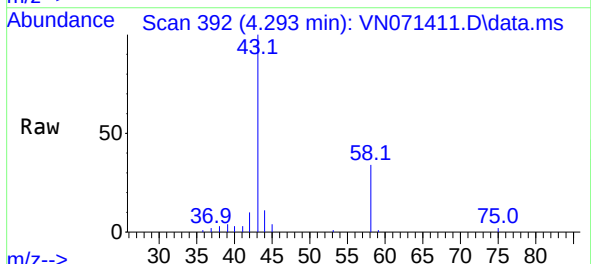
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

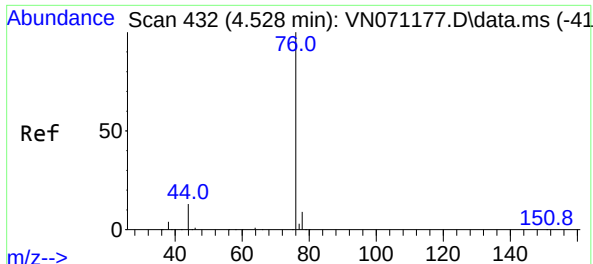
Tgt Ion: 56 Resp: 2735
Ion Ratio Lower Upper
56 100
55 74.7 56.6 85.0



#16
Acetone
Concen: 17.002 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 43 Resp: 83834
Ion Ratio Lower Upper
43 100
58 34.1 23.1 34.7

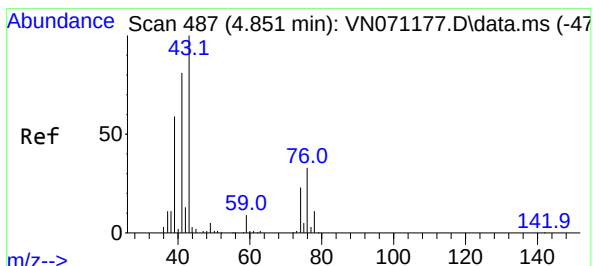
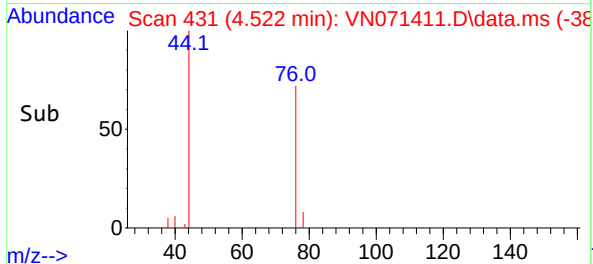
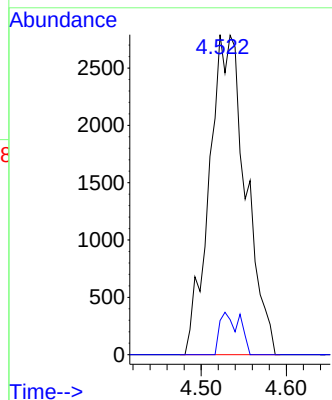
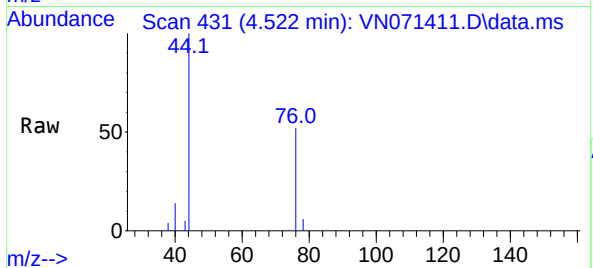




#17
Carbon Disulfide
Concen: 0.393 ug/l
RT: 4.522 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

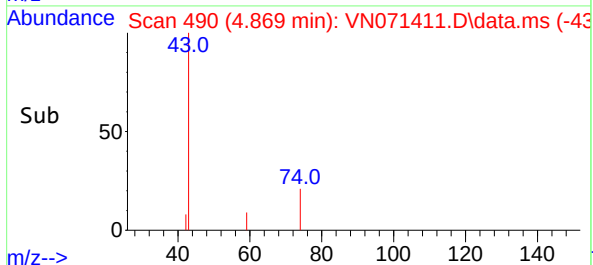
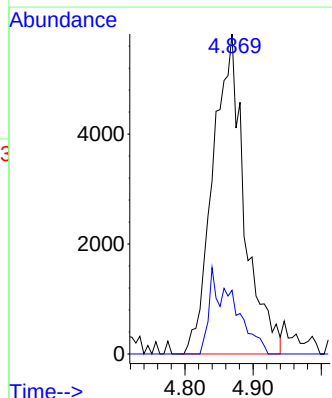
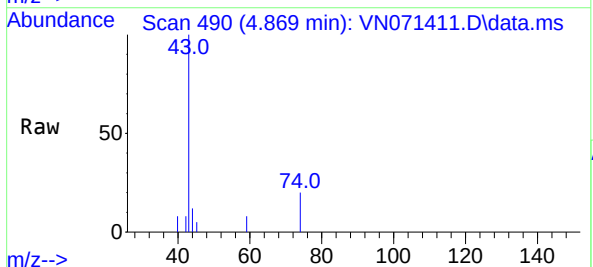
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

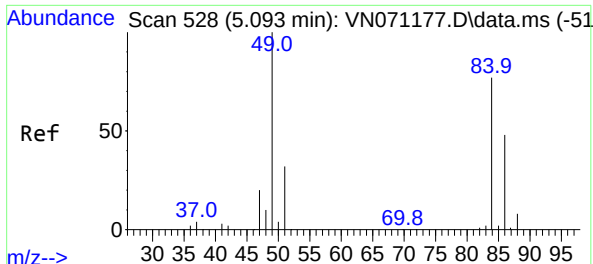
Tgt Ion: 76 Resp: 8303
Ion Ratio Lower Upper
76 100
78 10.6 7.5 11.3



#18
Methyl Acetate
Concen: 1.873 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 43 Resp: 18752
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



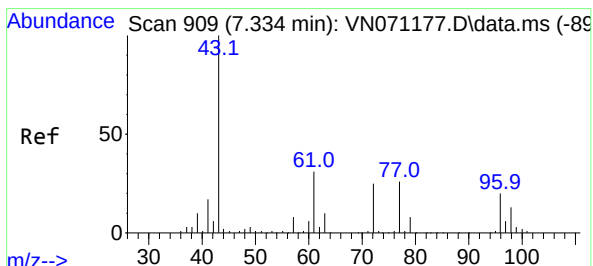
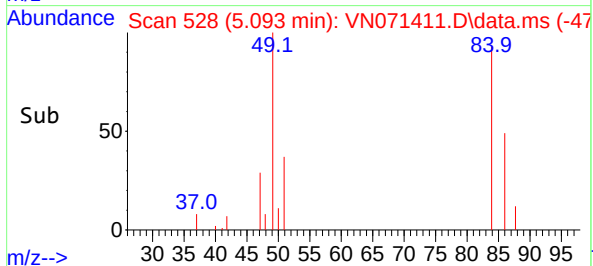
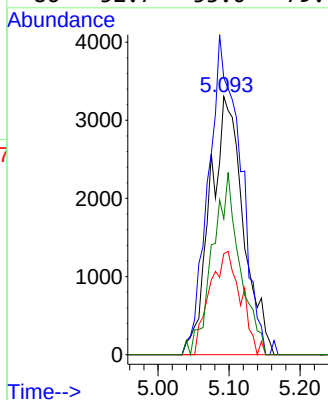
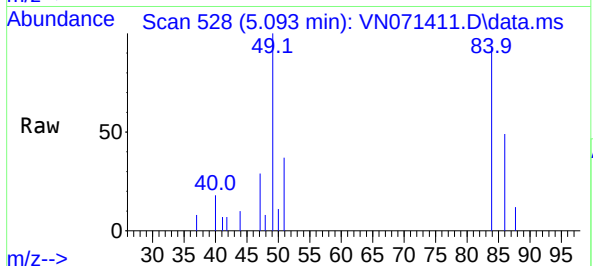


#20
Methylene Chloride
Concen: 1.561 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

Tgt Ion: 84 Resp: 10709

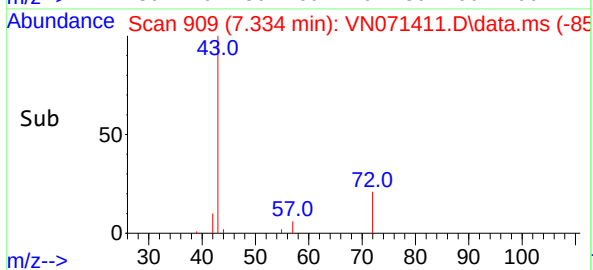
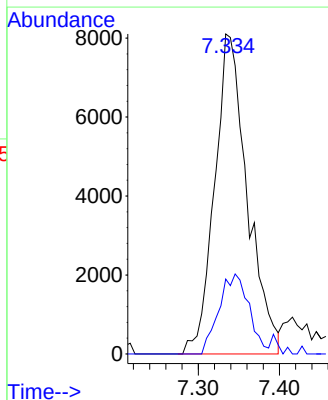
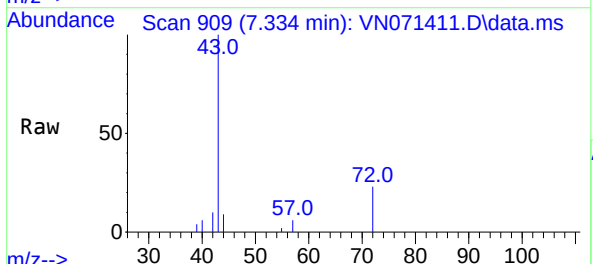
Ion	Ratio	Lower	Upper
84	100		
49	107.2	93.5	140.3
51	39.1	29.4	44.2
86	52.7	53.0	79.4

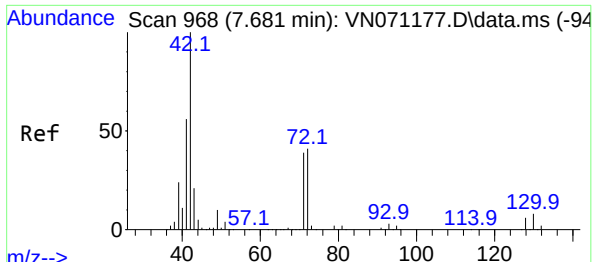


#25
2-Butanone
Concen: 2.862 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 43 Resp: 22731

Ion	Ratio	Lower	Upper
43	100		
72	23.4	21.7	32.5



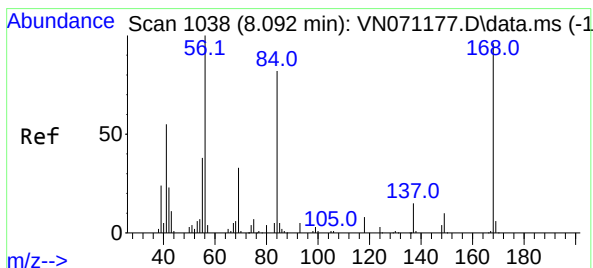
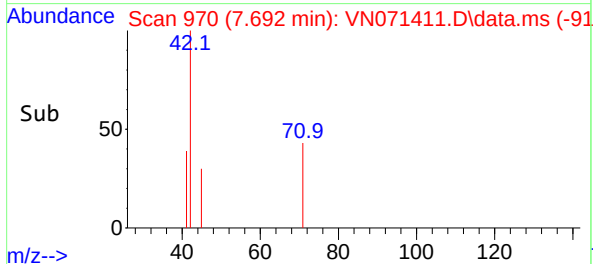
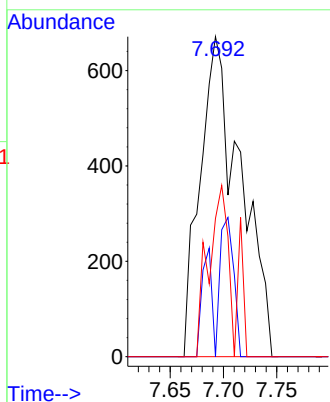
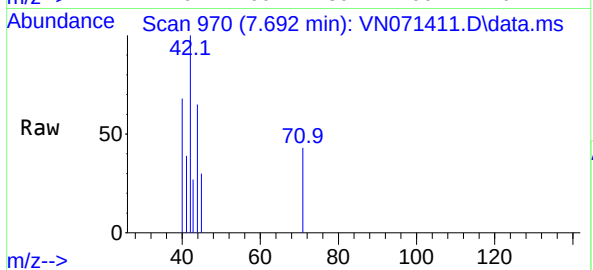


#29
Tetrahydrofuran
Concen: 0.322 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Instrument :
MSVOA_N
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C-19-18-19

Tgt Ion: 42 Resp: 1772

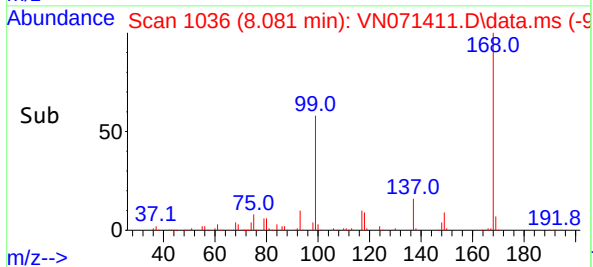
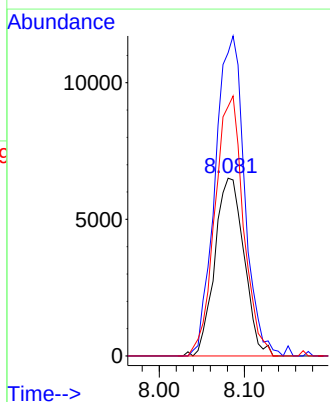
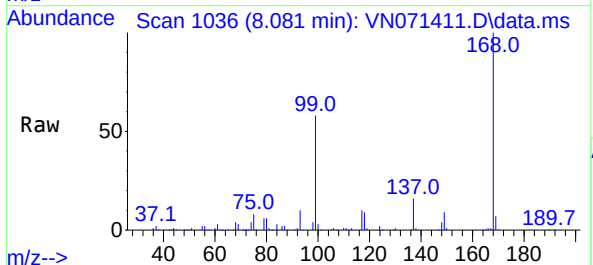
Ion	Ratio	Lower	Upper
42	100		
72	14.6	36.3	54.5#
71	25.8	34.7	52.1#

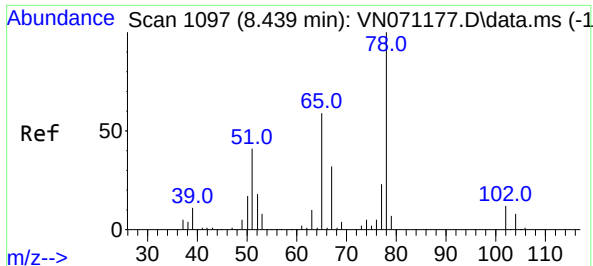


#31
Cyclohexane
Concen: 0.961 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 56 Resp: 15559

Ion	Ratio	Lower	Upper
56	100		
69	170.6	27.1	40.7#
84	140.3	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.632 ug/l

RT: 8.434 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071411.D

Acq: 19 Mar 2022 20:33

Instrument :

MSVOA_N

ClientSampleId :

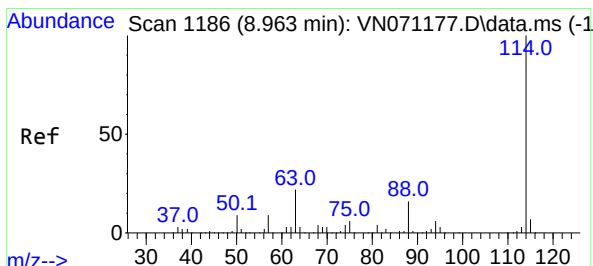
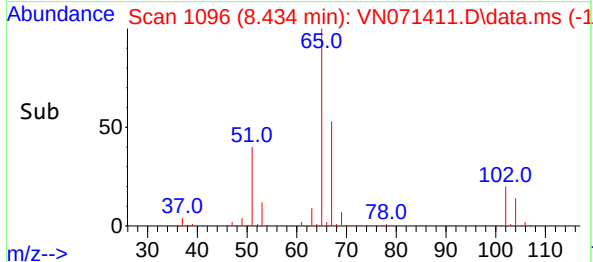
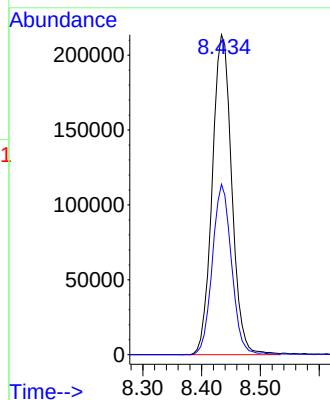
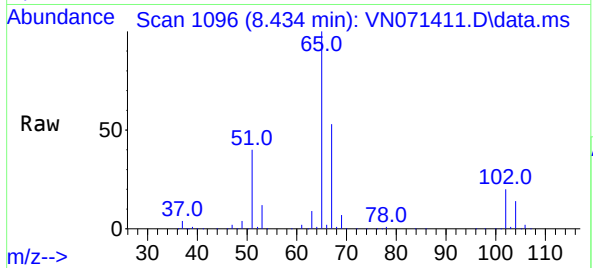
C-19-18-19

Tgt Ion: 65 Resp: 492817

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071411.D

Acq: 19 Mar 2022 20:33

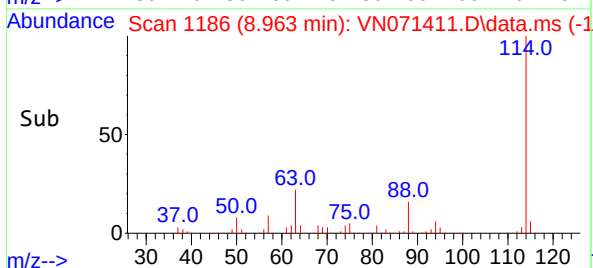
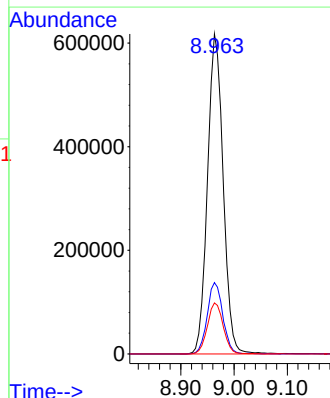
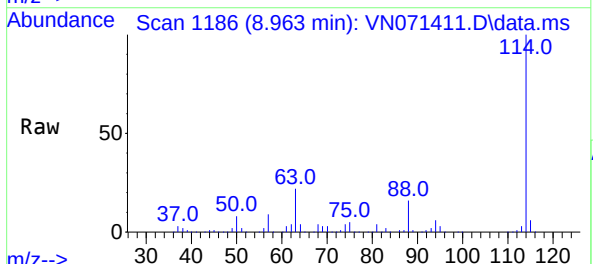
Tgt Ion: 114 Resp: 1261706

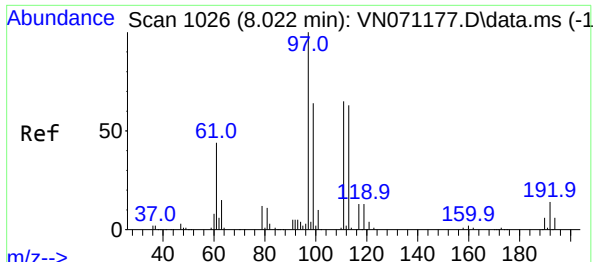
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

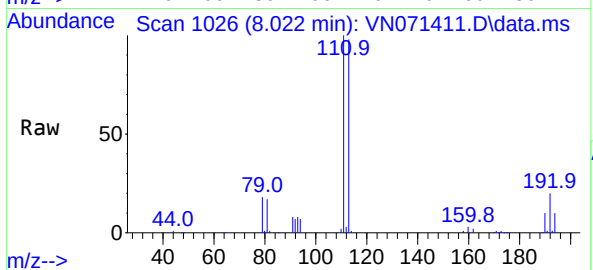
88 15.9 0.0 27.4



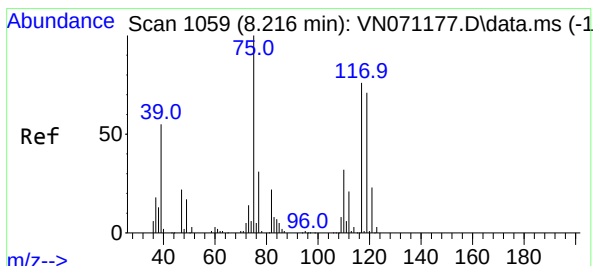
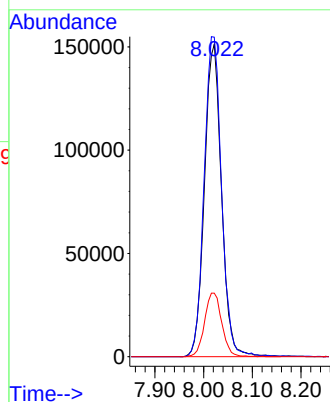
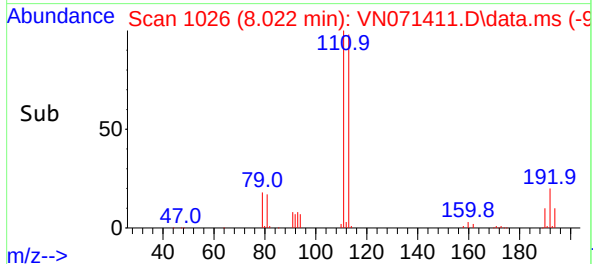


#35
Dibromofluoromethane
Concen: 46.163 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

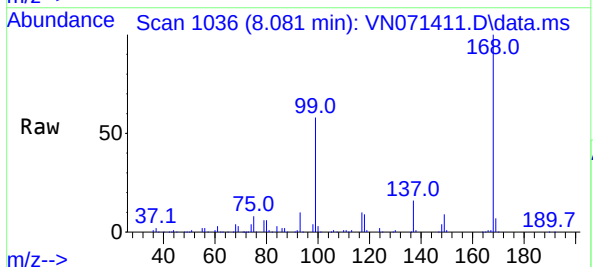
Instrument :
MSVOA_N
ClientSampleId :
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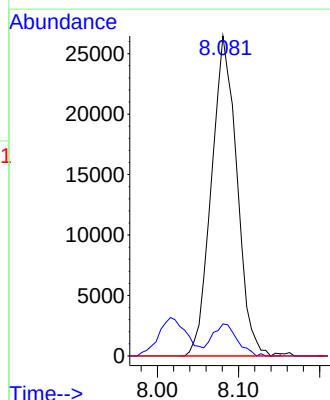
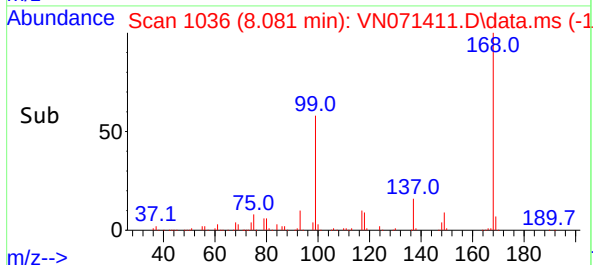
Tgt Ion:113 Resp: 367539
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 20.5 16.9 25.3

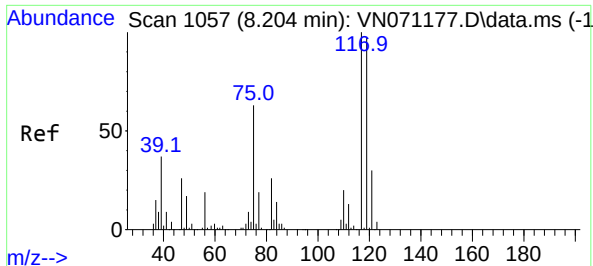


#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33



Tgt Ion: 75 Resp: 57810
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.4 36.6#

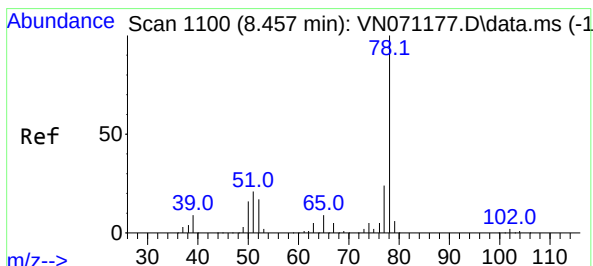
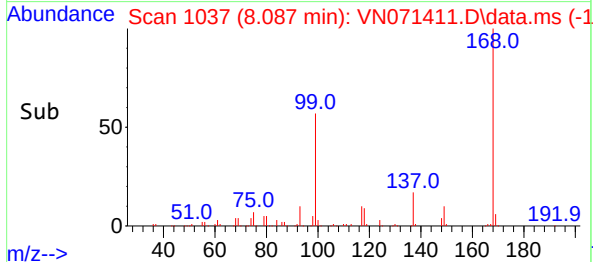
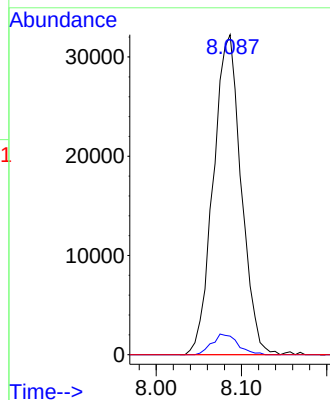
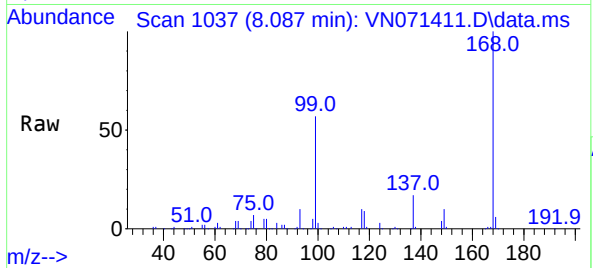




#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 8.087 min Scan# 1107
Delta R.T. -0.117 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

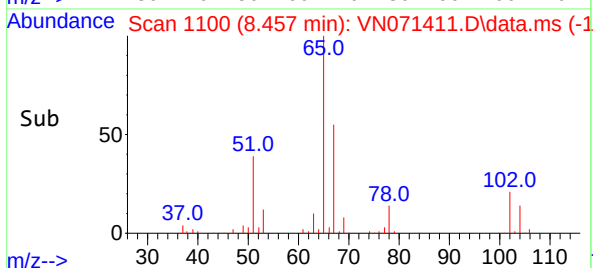
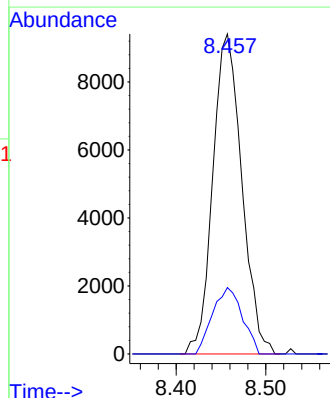
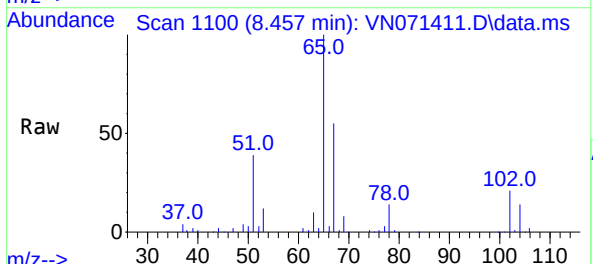
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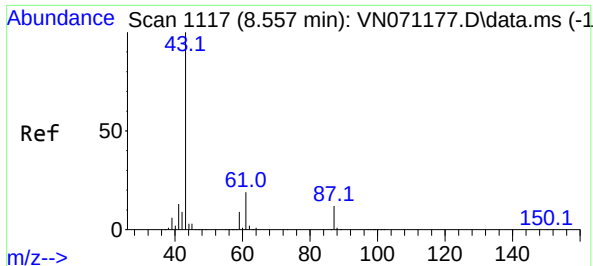
Tgt Ion:117 Resp: 73116
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.550 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 78 Resp: 21126
Ion Ratio Lower Upper
78 100
77 20.8 18.6 27.8

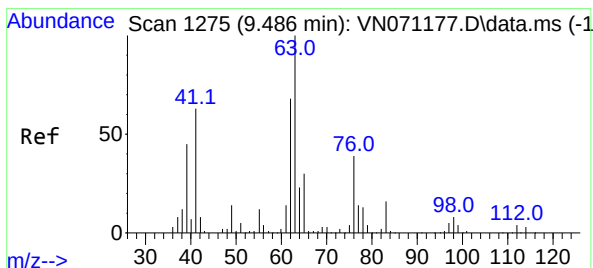
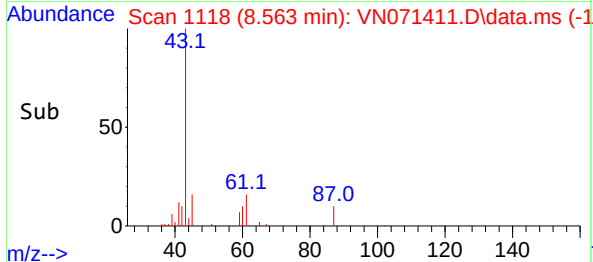
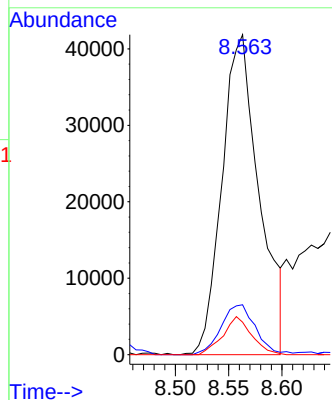
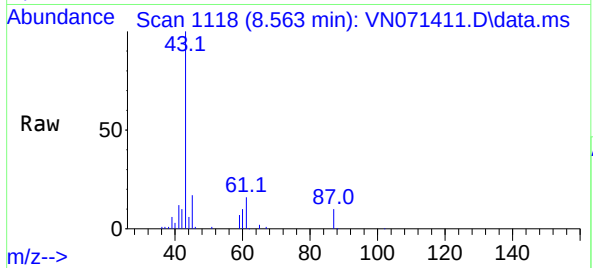




#43
Isopropyl Acetate
Concen: 3.872 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

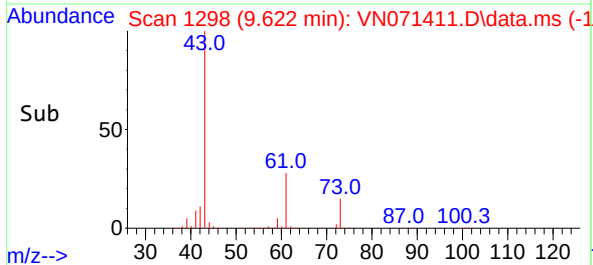
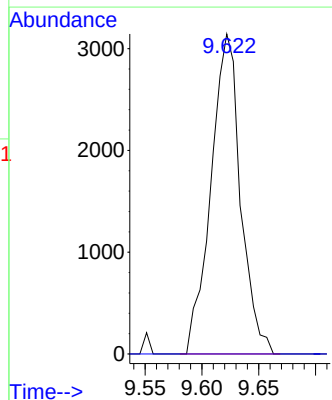
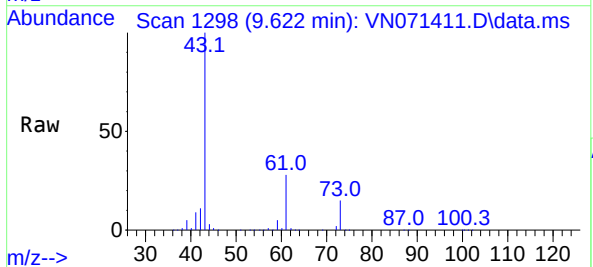
Instrument :
MSVOA_N
ClientSampleId :
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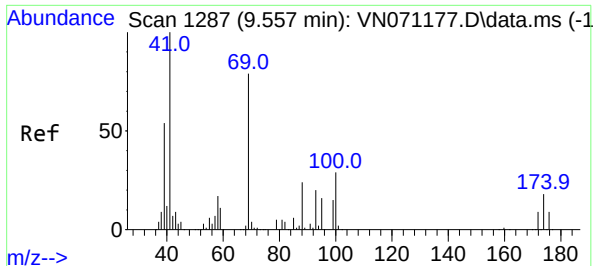
Tgt Ion: 43 Resp: 101656
Ion Ratio Lower Upper
43 100
61 14.5 20.4 30.6#
87 9.2 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.553 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 63 Resp: 5710
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

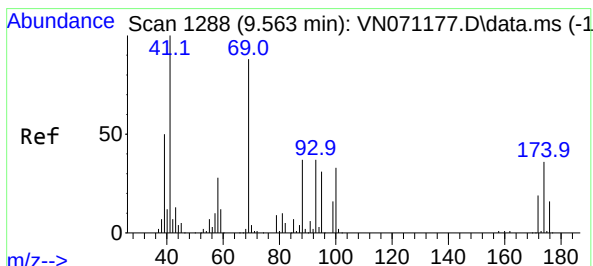
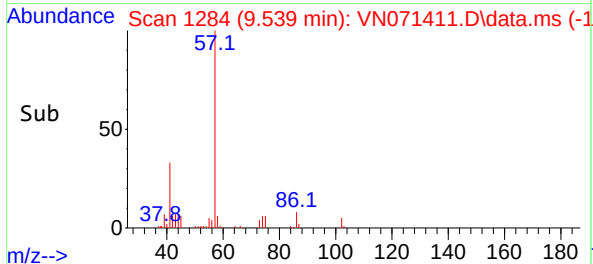
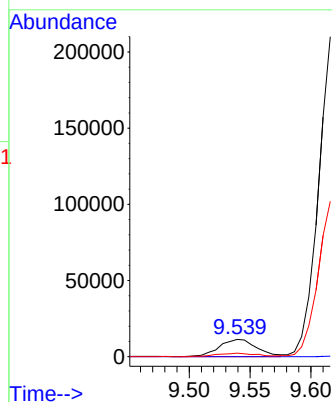
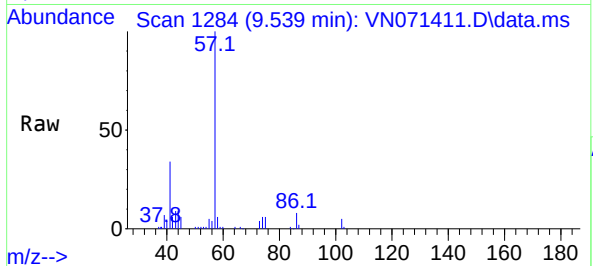




#48
Methyl methacrylate
Concen: 2.002 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

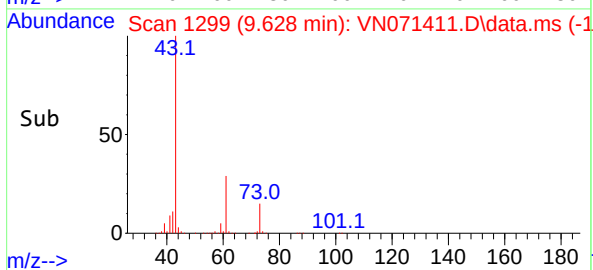
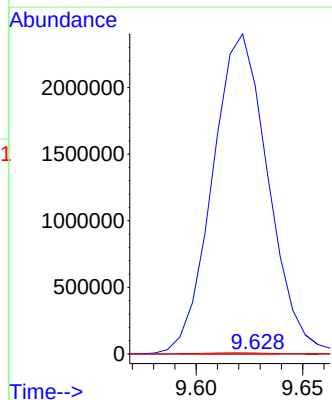
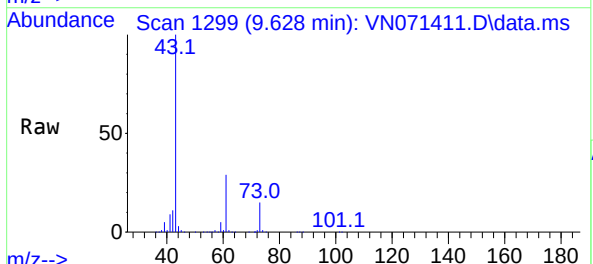
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

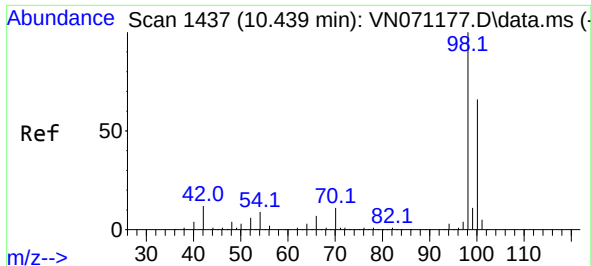
Tgt Ion: 41 Resp: 24359
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.099 ug/l
RT: 9.628 min Scan# 1299
Delta R.T. 0.065 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 88 Resp: 444
Ion Ratio Lower Upper
88 100
43 1003452.7 23.4 35.2#
58 3998.0 50.6 75.8#

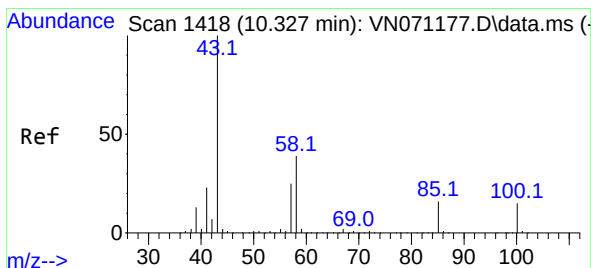
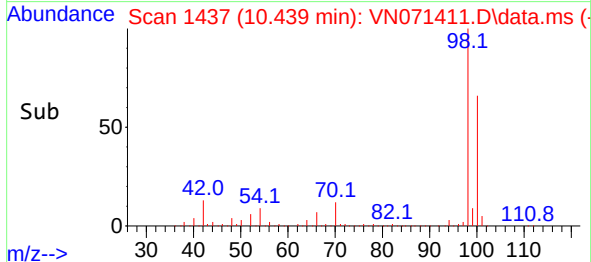
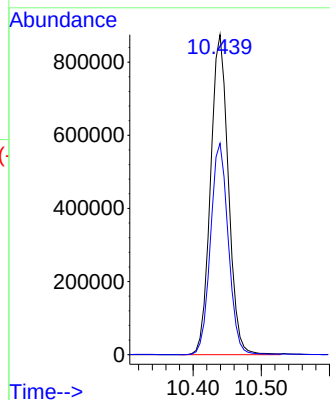
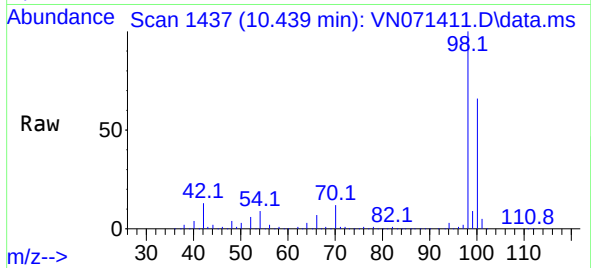




#50
Toluene-d8
Concen: 49.726 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

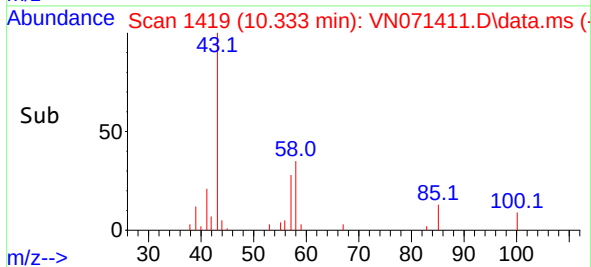
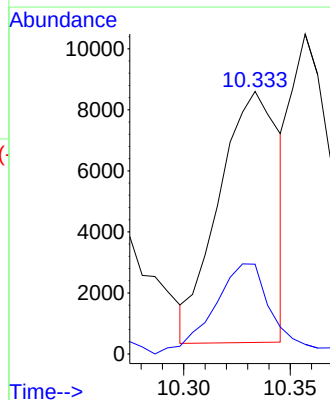
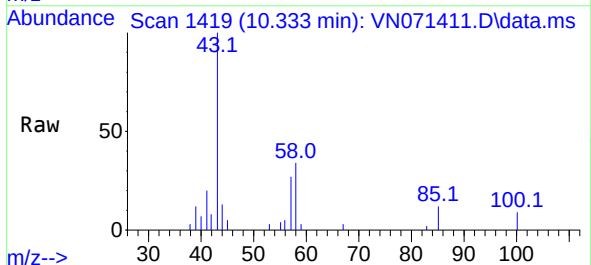
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

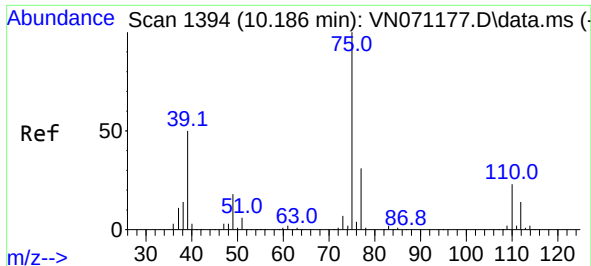
Tgt Ion: 98 Resp: 1594046
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.990 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 43 Resp: 16123
Ion Ratio Lower Upper
43 100
58 35.0 30.4 45.6

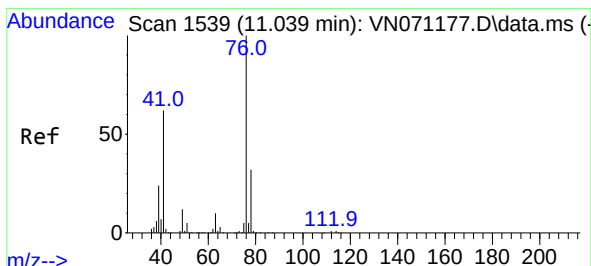
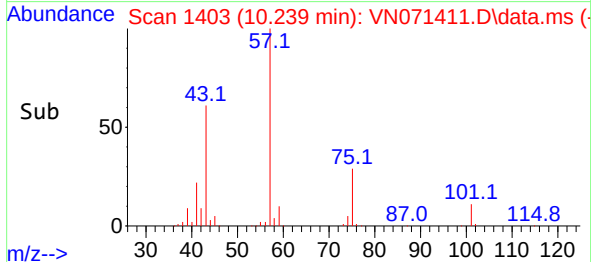
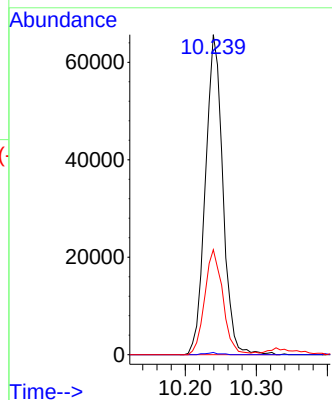
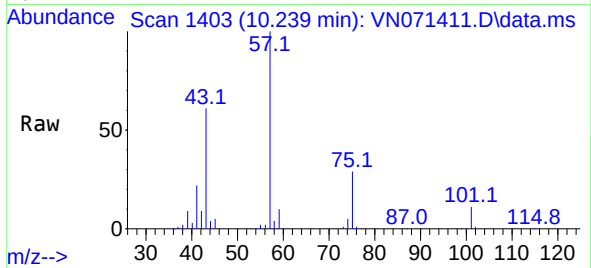




#54
 cis-1,3-Dichloropropene
 Concen: 7.264 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071411.D
 Acq: 19 Mar 2022 20:33

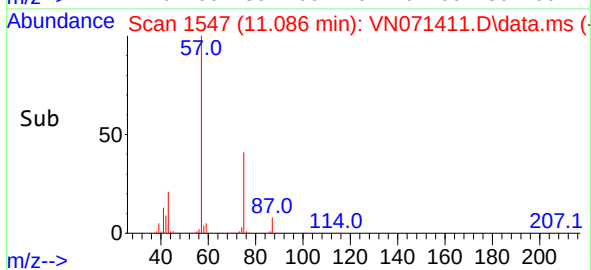
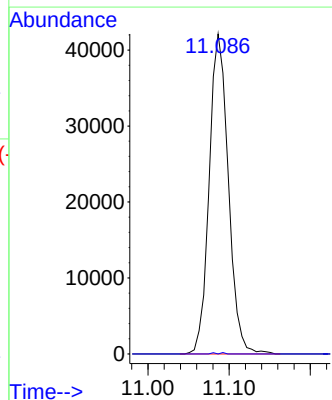
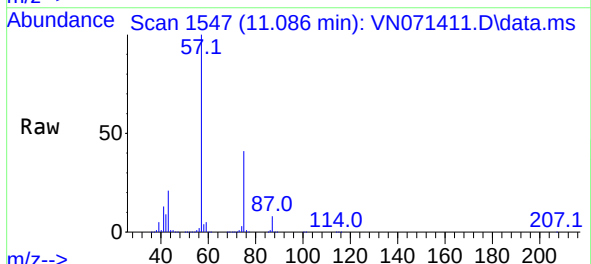
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 MSVOA_N
 ClientSampleId :
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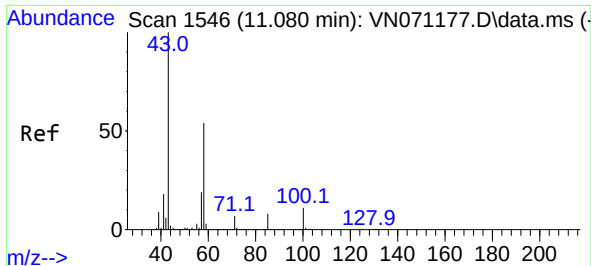
Tgt Ion: 75 Resp: 112287
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.4 39.6#
 39 32.8 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.054 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071411.D
 Acq: 19 Mar 2022 20:33

Tgt Ion: 76 Resp: 69014
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.7 38.5#

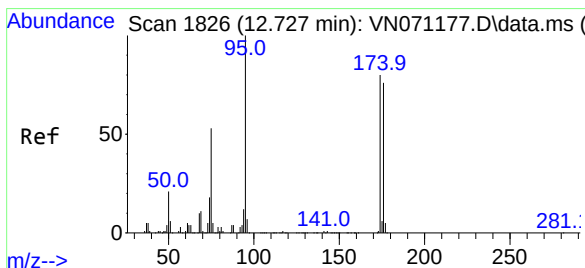
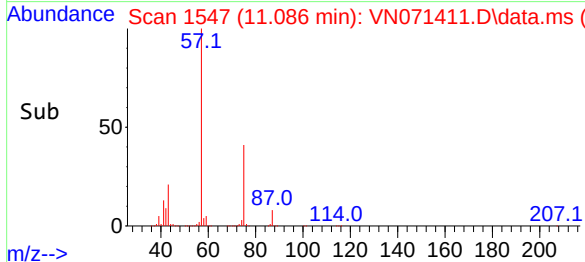
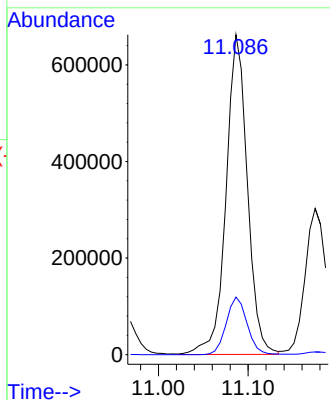
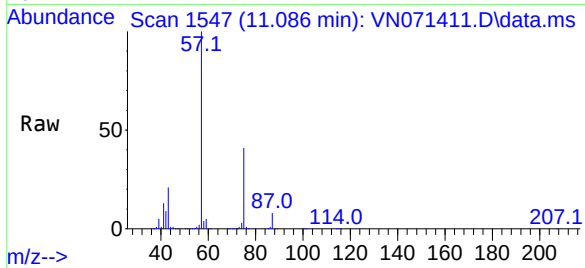




#59
2-Hexanone
Concen: 98.413 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

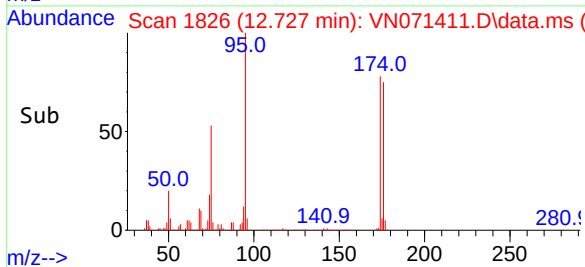
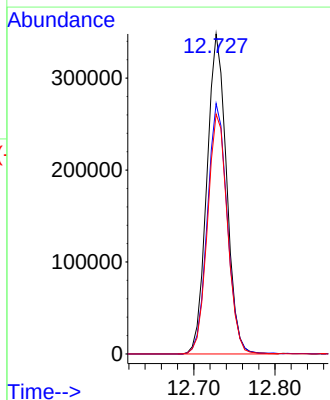
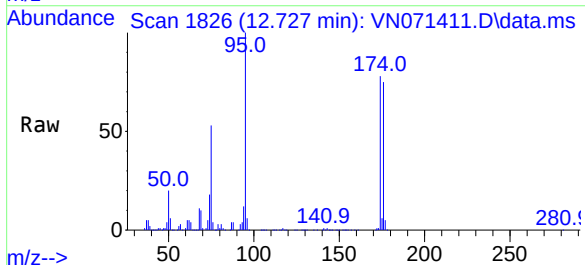
Instrument :
MSVOA_N
ClientSampleId :
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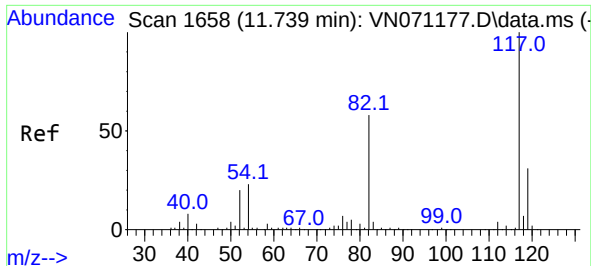
Tgt Ion: 43 Resp: 1094061
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 53.776 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion: 95 Resp: 583746
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 76.1 0.0 181.4

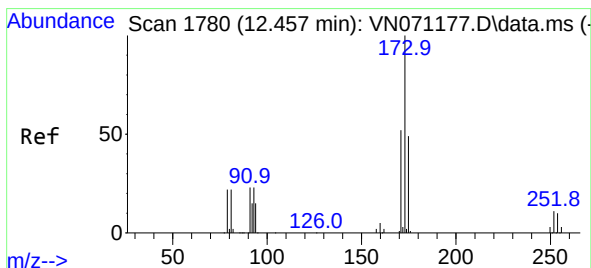
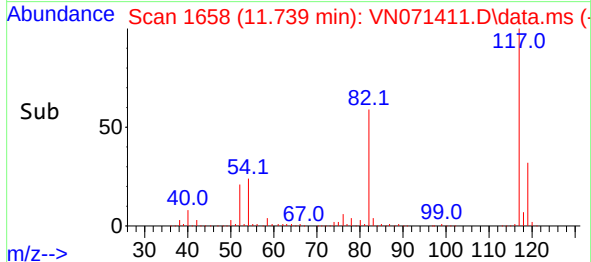
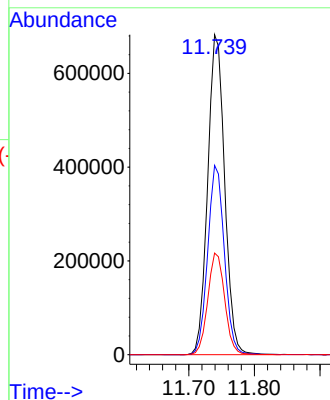
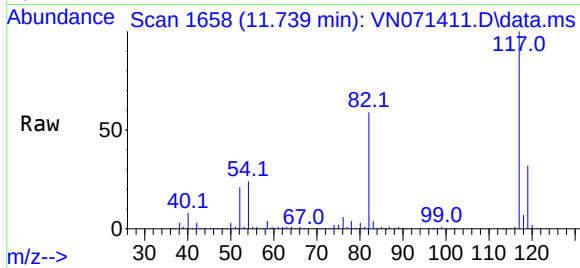




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

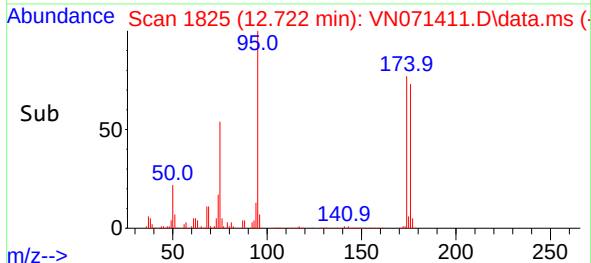
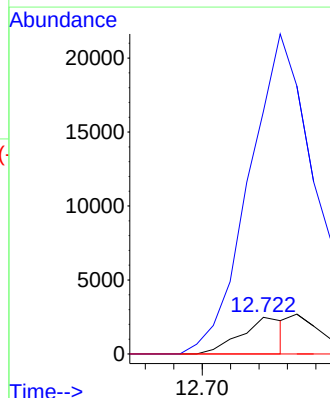
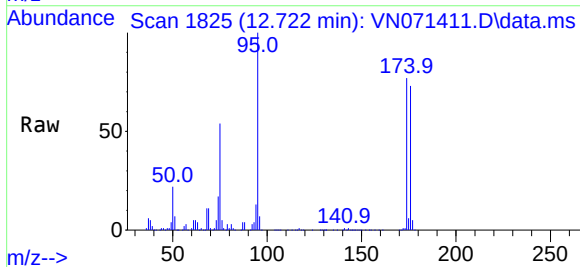
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

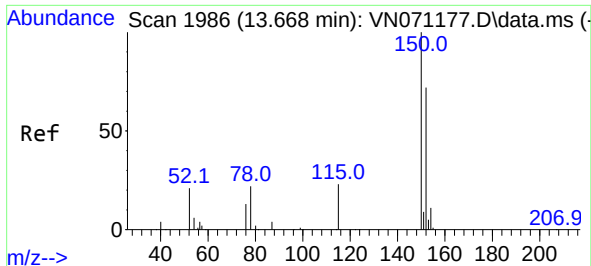
Tgt Ion:117 Resp: 1230827
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 31.8 25.4 38.2



#71
Bromoform
Concen: 0.357 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.265 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Tgt Ion:173 Resp: 2626
Ion Ratio Lower Upper
173 100
175 1010.9 24.2 72.6#
254 0.0 0.0 0.0

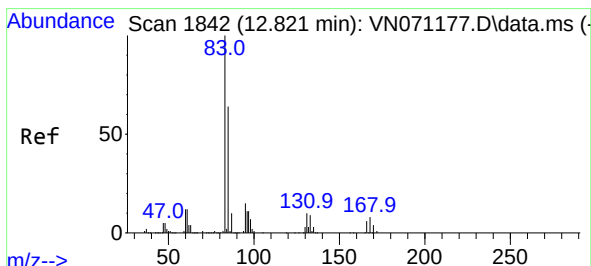
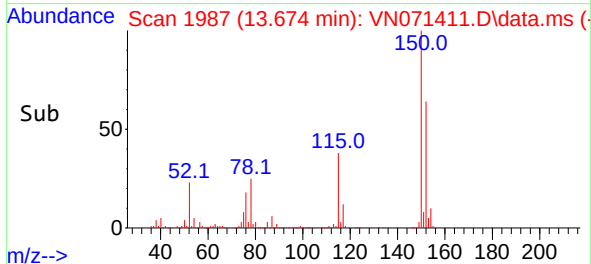
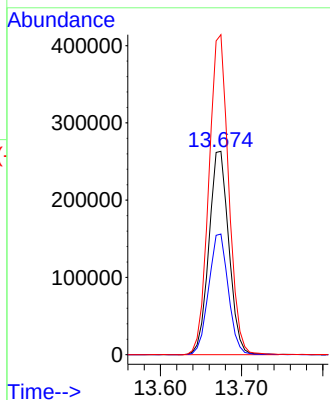
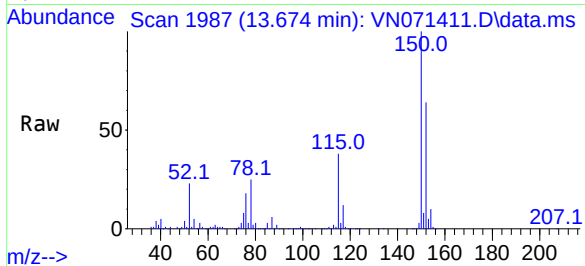




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071411.D
 Acq: 19 Mar 2022 20:33

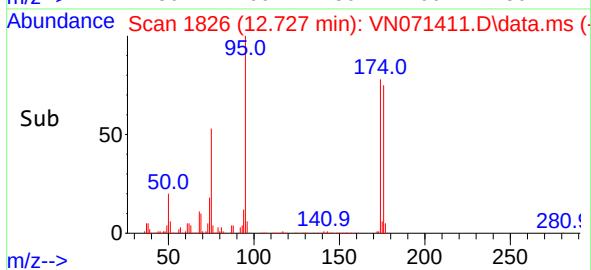
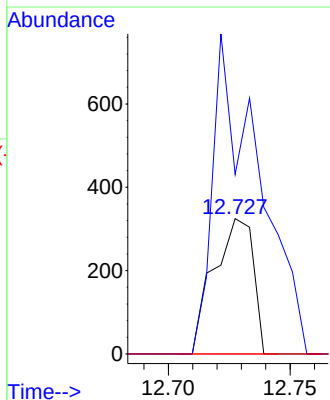
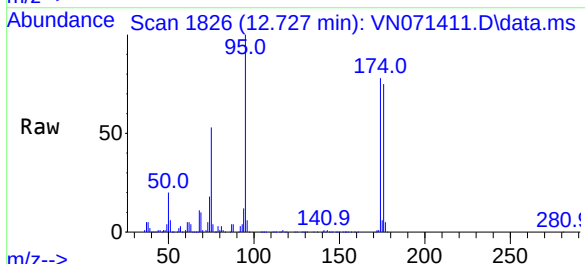
Instrument :
 MSVOA_N
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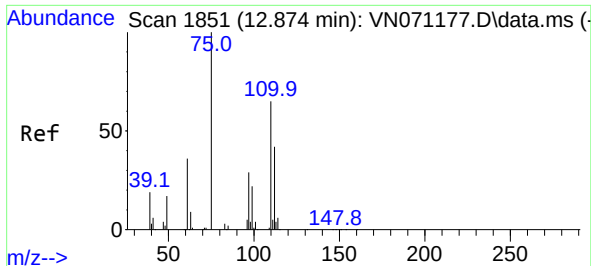
Tgt Ion:152 Resp: 448827
 Ion Ratio Lower Upper
 152 100
 115 58.7 27.5 82.5
 150 156.2 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.094 min
 Lab File: VN071411.D
 Acq: 19 Mar 2022 20:33

Tgt Ion: 83 Resp: 366
 Ion Ratio Lower Upper
 83 100
 131 273.2 5.5 16.5#
 85 0.0 32.4 97.2#

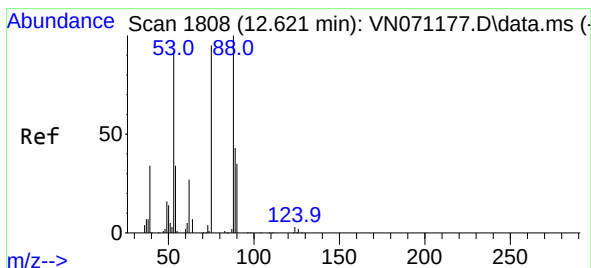
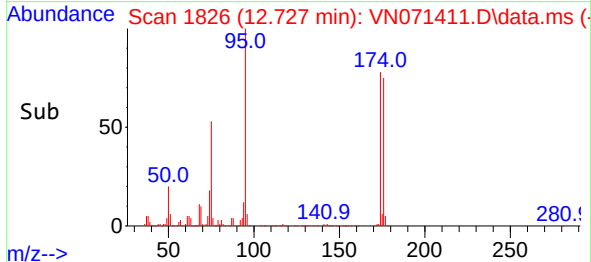
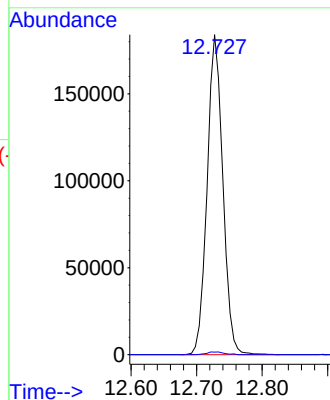
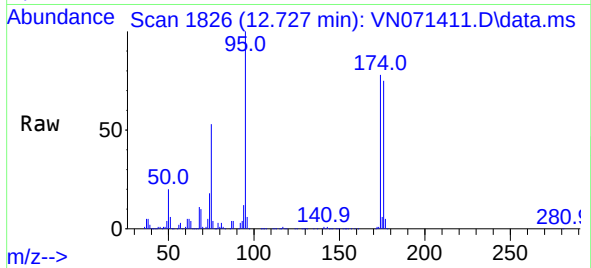




#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

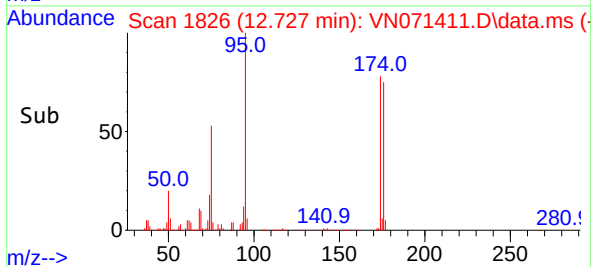
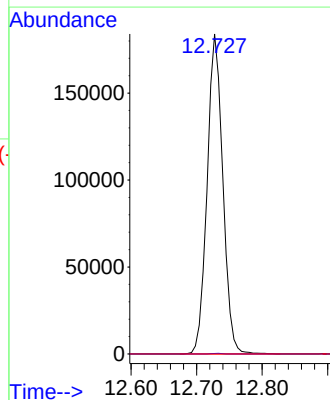
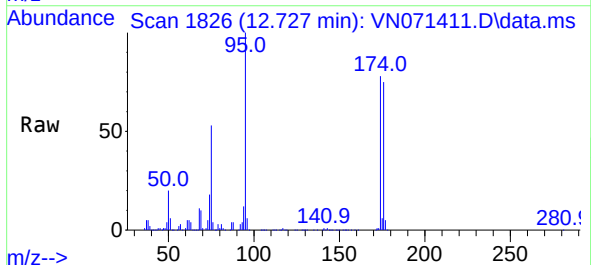
Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19

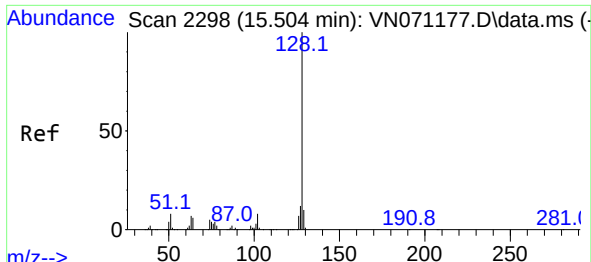
Tgt Ion: 75 Resp: 306377
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.791 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

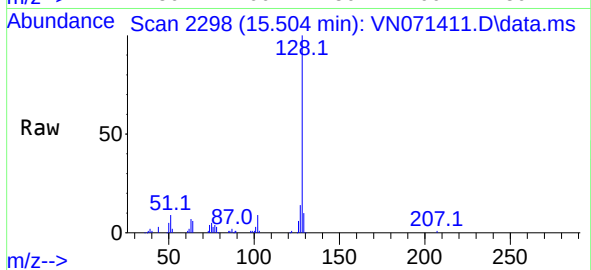
Tgt Ion: 75 Resp: 306377
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#95
Naphthalene
Concen: 11.234 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071411.D
Acq: 19 Mar 2022 20:33

Instrument :
MSVOA_N
ClientSampleId :
C-19-18-19



Tgt Ion:128 Resp: 141178
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.0 8.7 13.1

