

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081122\
 Data File : VN073835.D
 Acq On : 11 Aug 2022 19:21
 Operator : JC\MD
 Sample : N4120-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BLDG-19C

Quant Time: Aug 12 06:09:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

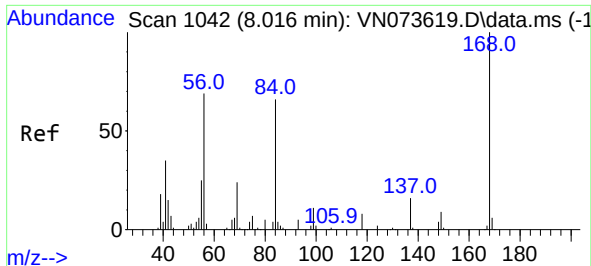
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	418115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	663641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	649505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	310947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	241402	47.376	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.760%
35) Dibromofluoromethane	7.951	113	227740	54.650	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.300%
50) Toluene-d8	10.380	98	748615	45.651	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.300%
62) 4-Bromofluorobenzene	12.674	95	283081	49.220	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1313	Below Cal	#	70
5) Bromomethane	2.828	94	3060	0.744	ug/l #	48
6) Chloroethane	2.957	64	58	Below Cal	#	42
11) Tert butyl alcohol	5.293	59	1979	1.801	ug/l	96
13) Acrolein	4.004	56	469	0.430	ug/l #	34
16) Acetone	4.234	43	102526	37.462	ug/l	99
17) Carbon Disulfide	4.451	76	3921	0.373	ug/l	97
18) Methyl Acetate	4.793	43	8020	1.178	ug/l #	87
20) Methylene Chloride	5.016	84	30117	4.810	ug/l	99
25) 2-Butanone	7.269	43	30364	7.144	ug/l	92
29) Tetrahydrofuran	7.634	42	2342	0.872	ug/l #	84
31) Cyclohexane	8.016	56	8252	1.088	ug/l #	25
36) 1,1-Dichloropropene	8.016	75	28336	4.771	ug/l #	49
37) Ethyl Acetate	7.340	43	8427	1.077	ug/l #	92
38) Carbon Tetrachloride	8.016	117	38280	6.346	ug/l #	17
43) Isopropyl Acetate	8.498	43	53240	5.039	ug/l #	92
44) Trichloroethene	9.157	130	1934	0.395	ug/l	99
48) Methyl methacrylate	9.492	41	6413	1.387	ug/l #	36
49) 1,4-Dioxane	9.504	88	395	3.030	ug/l #	1
51) 4-Methyl-2-Pentanone	10.275	43	18006	2.376	ug/l #	86
54) cis-1,3-Dichloropropene	10.186	75	42481	5.942	ug/l #	70
59) 2-Hexanone	10.998	43	205283	35.757	ug/l #	21
76) 1,2,3-Trichloropropane	12.674	75	144222	23.617	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	144222	60.107	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.198	180	2437	0.448	ug/l	95
95) Naphthalene	15.439	128	16167	0.915	ug/l	97
96) 1,2,3-Trichlorobenzene	15.627	180	3519	0.614	ug/l	88

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

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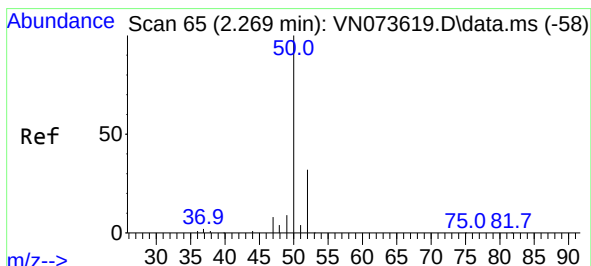
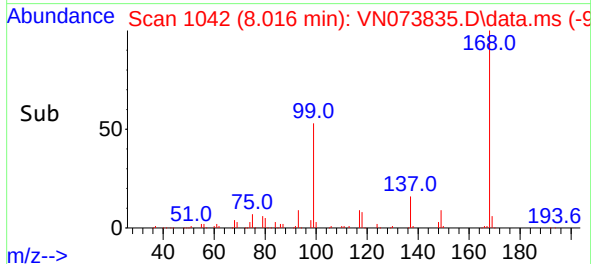
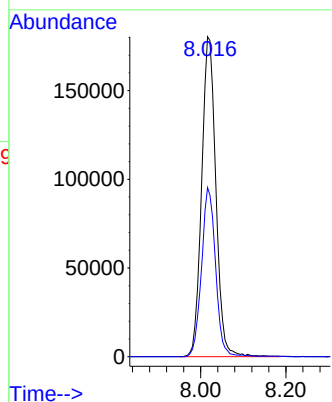
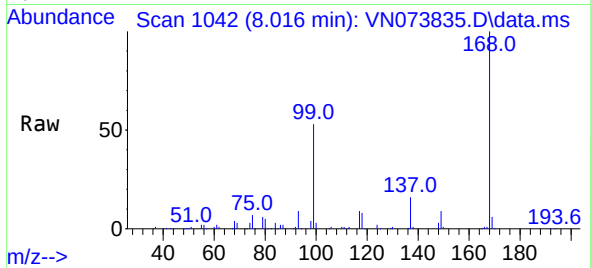




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

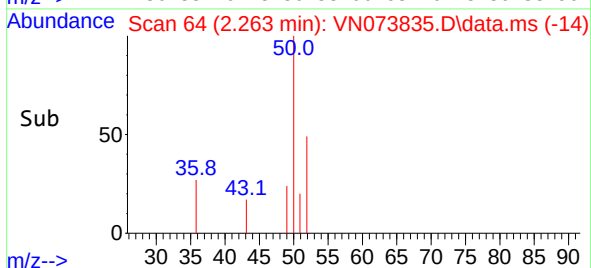
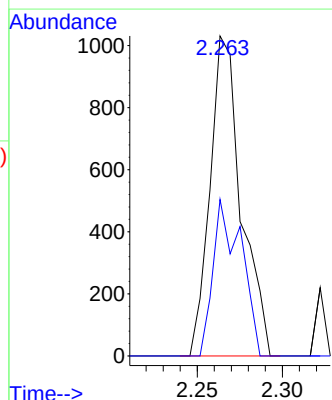
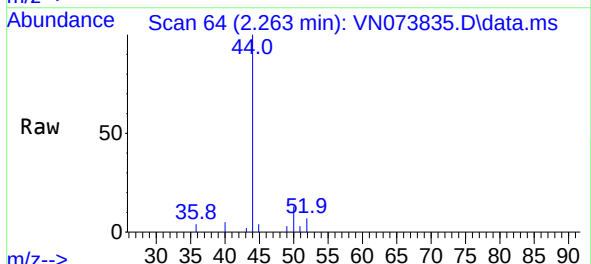
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

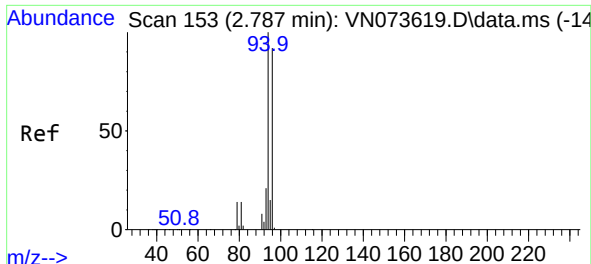
Tgt Ion:168 Resp: 418115
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 50 Resp: 1313
Ion Ratio Lower Upper
50 100
52 48.9 25.7 38.5#

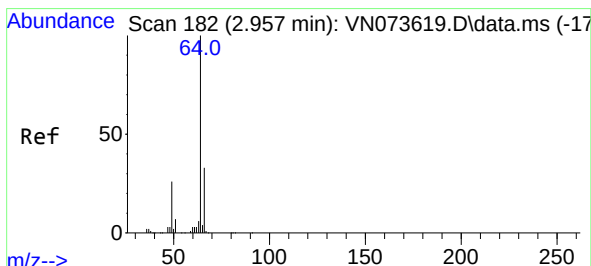
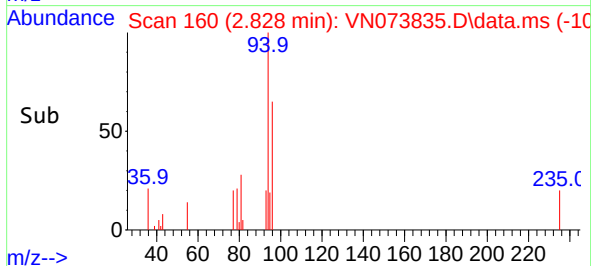
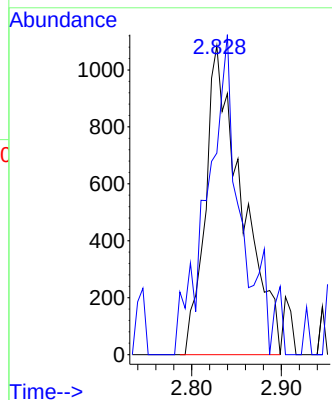
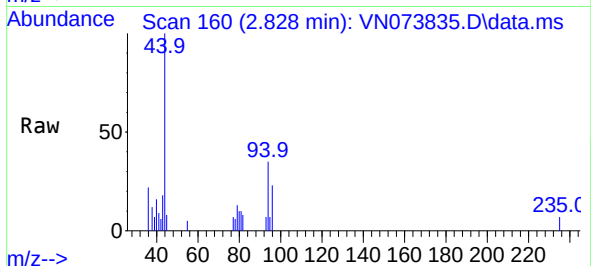




#5
Bromomethane
Concen: 0.744 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

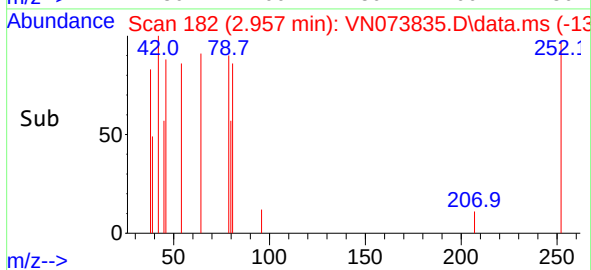
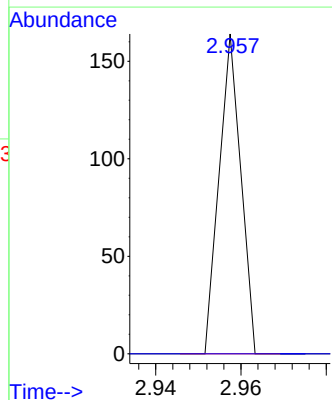
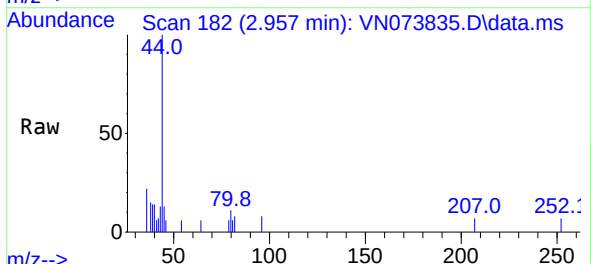
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

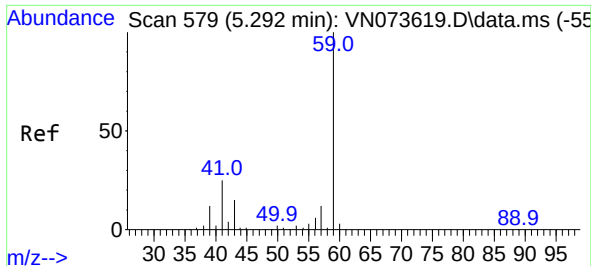
Tgt Ion: 94 Resp: 3060
Ion Ratio Lower Upper
94 100
96 45.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 182
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 1.801 ug/l

RT: 5.293 min Scan# 51

Delta R.T. 0.001 min

Lab File: VN073835.D

Acq: 11 Aug 2022 19:21

Instrument :

MSVOA_N

ClientSampleId :

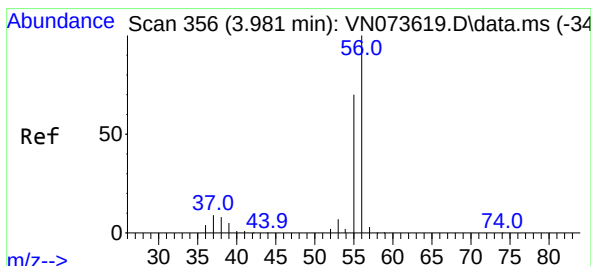
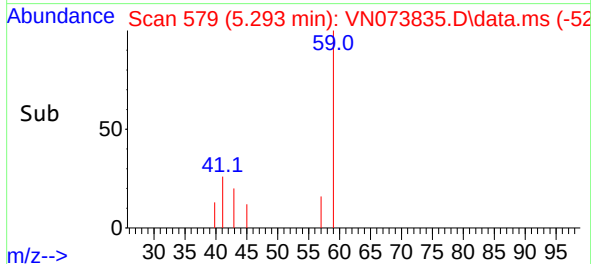
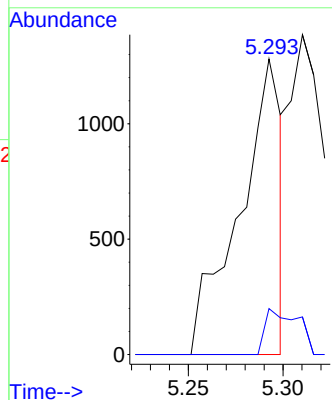
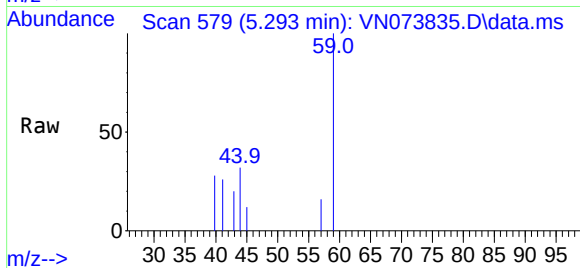
BLDG-19C

Tgt Ion: 59 Resp: 1979

Ion Ratio Lower Upper

59 100

57 12.0 8.3 12.5



#13

Acrolein

Concen: 0.430 ug/l

RT: 4.004 min Scan# 360

Delta R.T. 0.023 min

Lab File: VN073835.D

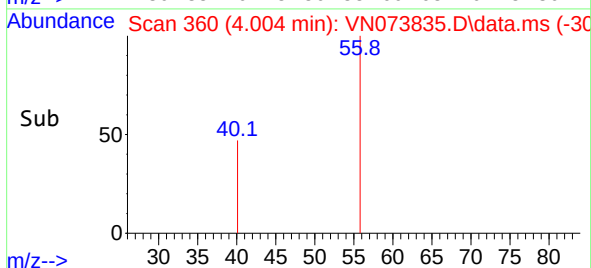
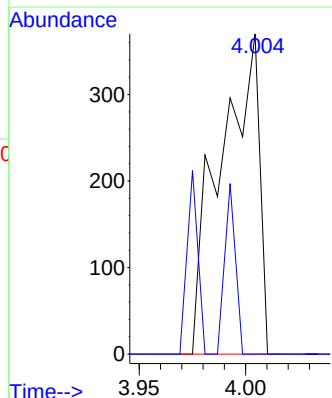
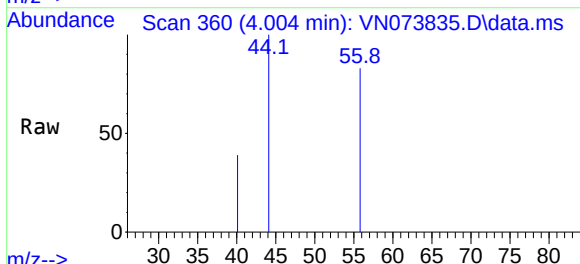
Acq: 11 Aug 2022 19:21

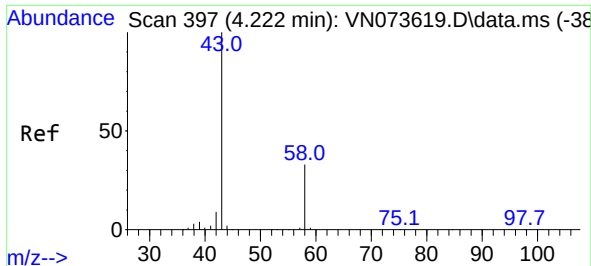
Tgt Ion: 56 Resp: 469

Ion Ratio Lower Upper

56 100

55 14.9 54.8 82.2#

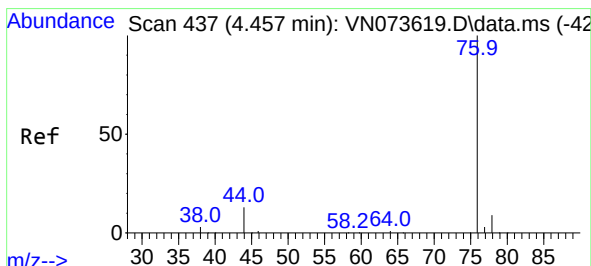
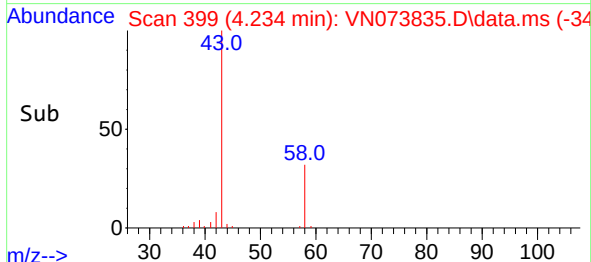
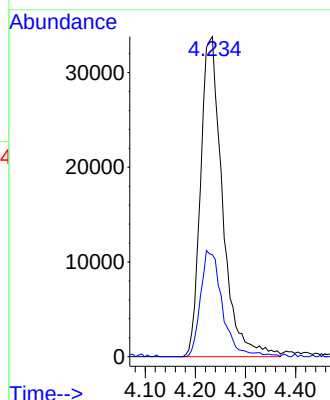
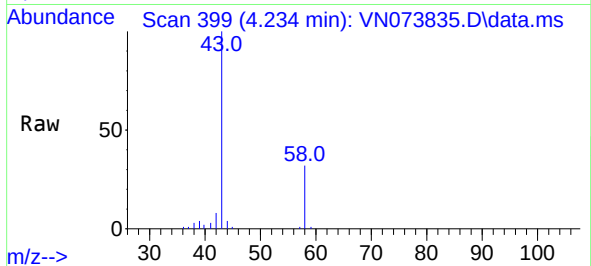




#16
Acetone
Concen: 37.462 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

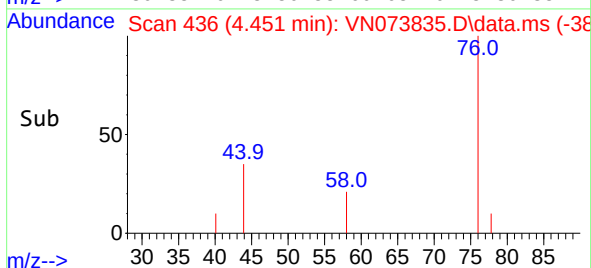
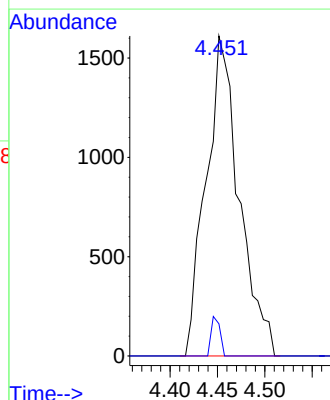
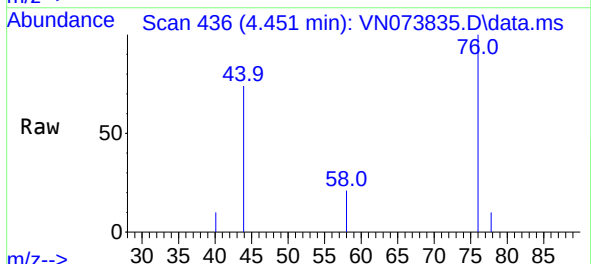
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

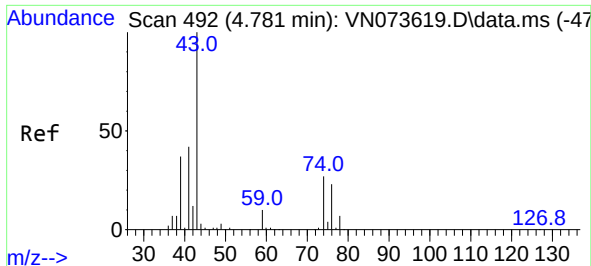
Tgt Ion: 43 Resp: 102526
Ion Ratio Lower Upper
43 100
58 31.9 26.0 39.0



#17
Carbon Disulfide
Concen: 0.373 ug/l
RT: 4.451 min Scan# 436
Delta R.T. -0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 76 Resp: 3921
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8

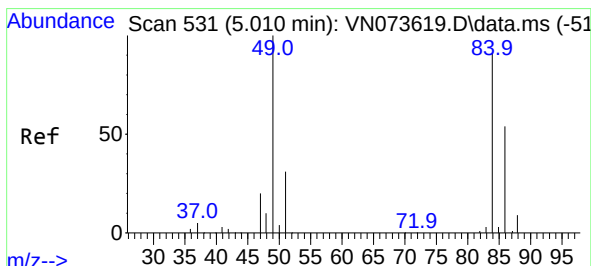
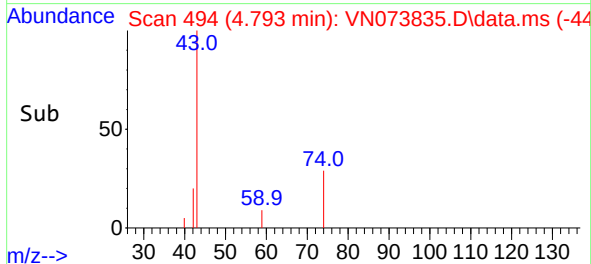
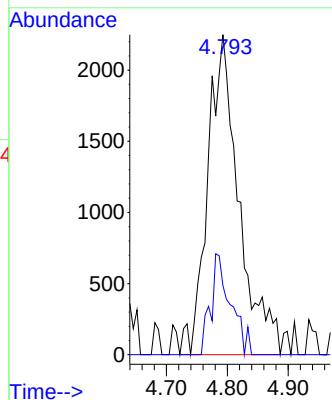
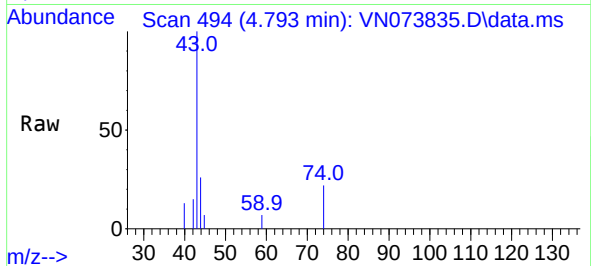




#18
Methyl Acetate
Concen: 1.178 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

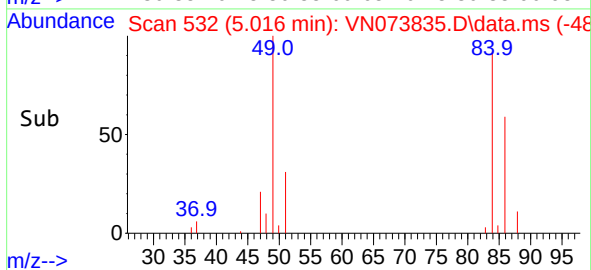
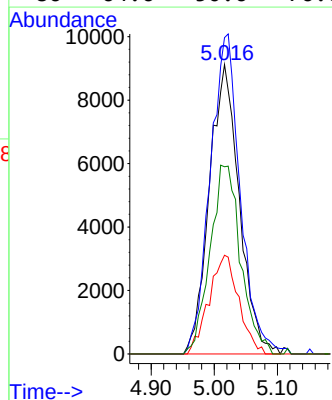
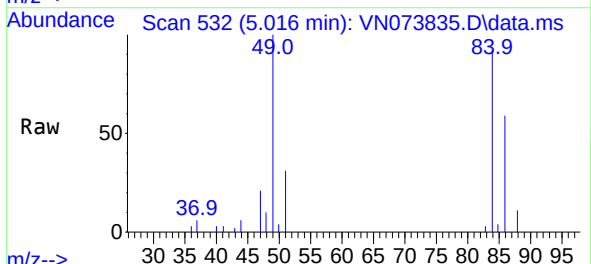
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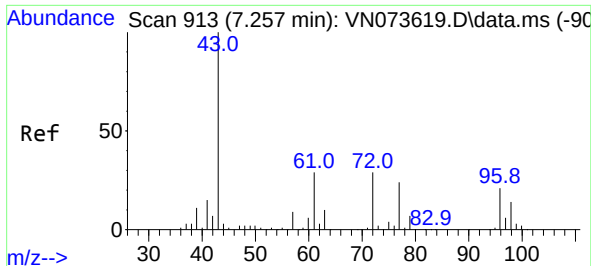
Tgt Ion: 43 Resp: 8020
Ion Ratio Lower Upper
43 100
74 20.1 21.6 32.4#



#20
Methylene Chloride
Concen: 4.810 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 84 Resp: 30117
Ion Ratio Lower Upper
84 100
49 109.3 88.3 132.5
51 34.1 28.2 42.2
86 64.6 50.6 76.0





#25

2-Butanone

Concen: 7.144 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN073835.D

Acq: 11 Aug 2022 19:21

Instrument :

MSVOA_N

ClientSampleId :

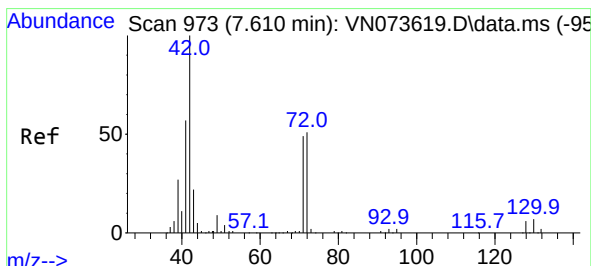
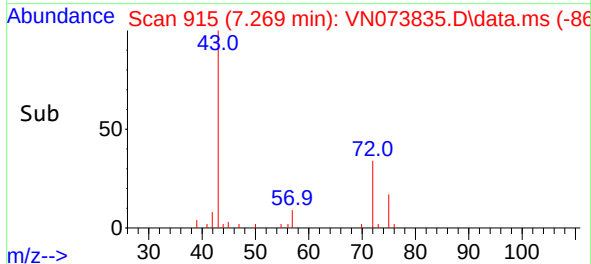
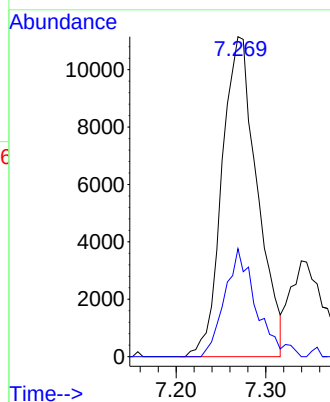
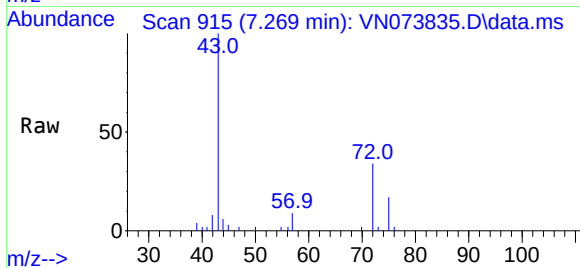
BLDG-19C

Tgt Ion: 43 Resp: 30364

Ion Ratio Lower Upper

43 100

72 33.7 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.872 ug/l

RT: 7.634 min Scan# 977

Delta R.T. 0.024 min

Lab File: VN073835.D

Acq: 11 Aug 2022 19:21

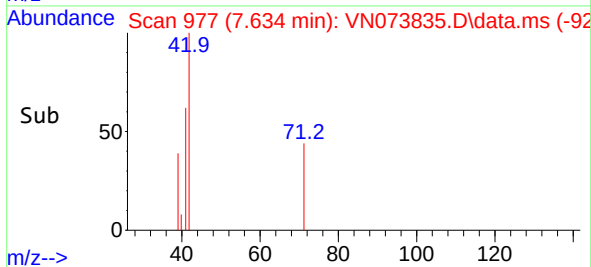
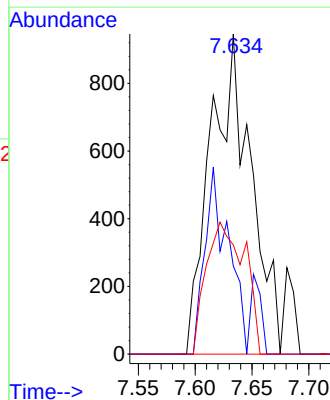
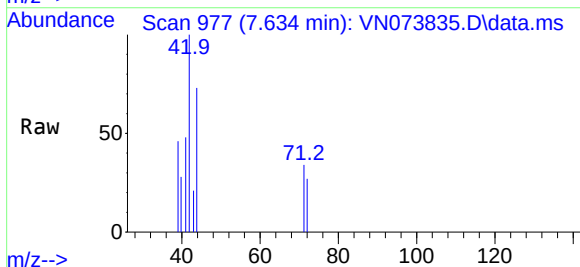
Tgt Ion: 42 Resp: 2342

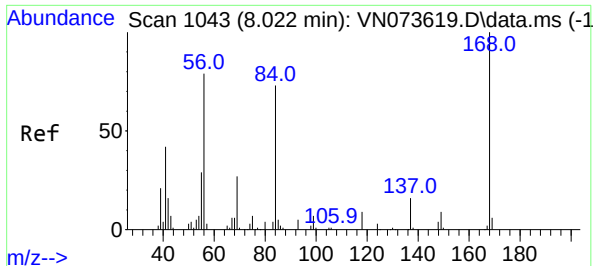
Ion Ratio Lower Upper

42 100

72 34.2 39.7 59.5#

71 39.2 36.6 55.0

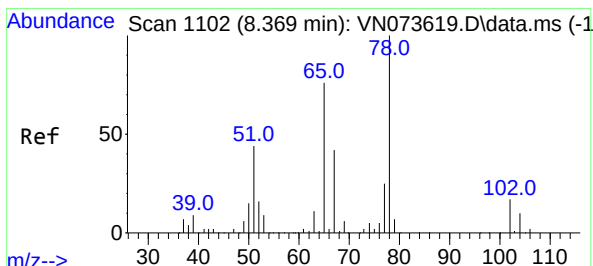
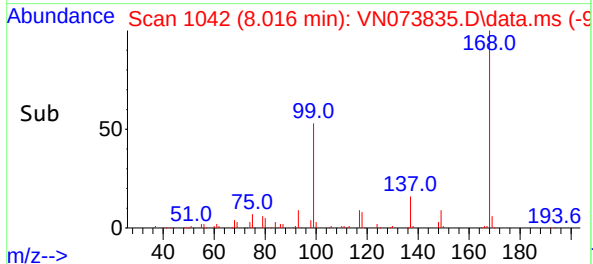
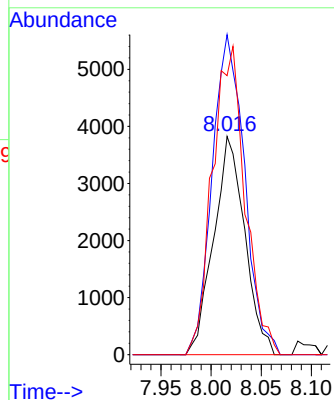
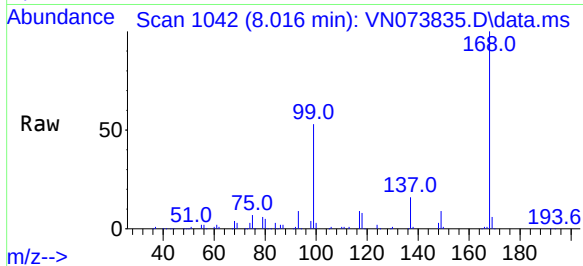




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

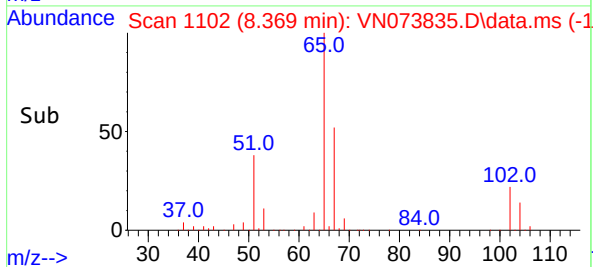
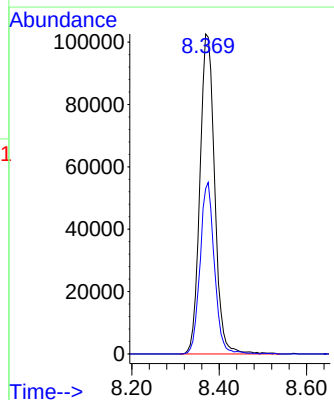
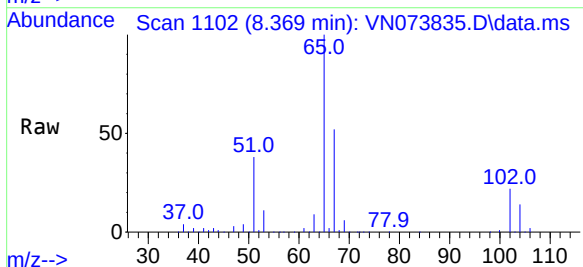
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MSVOA_N
ClientSampleId :
BLDG-19C

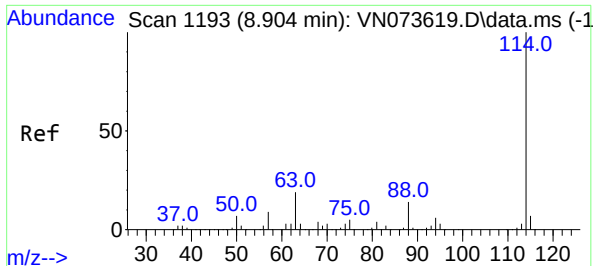
Tgt Ion: 56 Resp: 8252
Ion Ratio Lower Upper
56 100
69 146.6 27.8 41.8#
84 127.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.376 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 65 Resp: 241402
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8



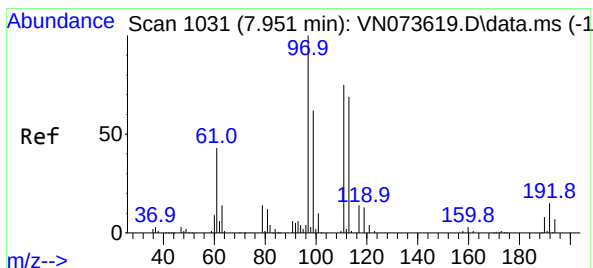
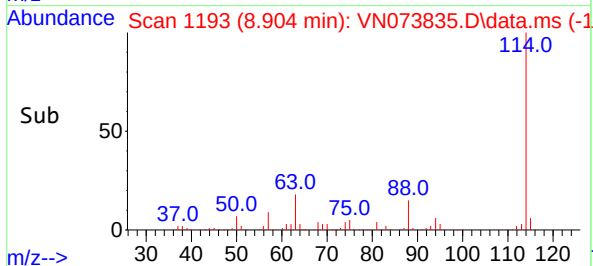
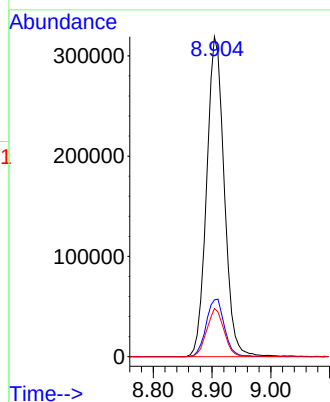
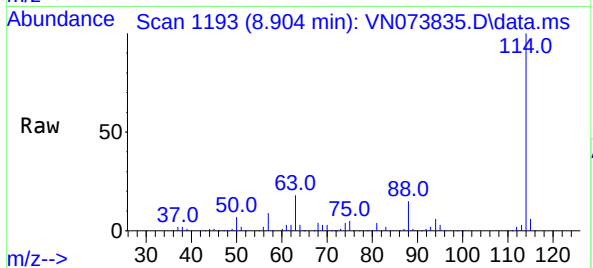


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

Tgt Ion:114 Resp: 663641

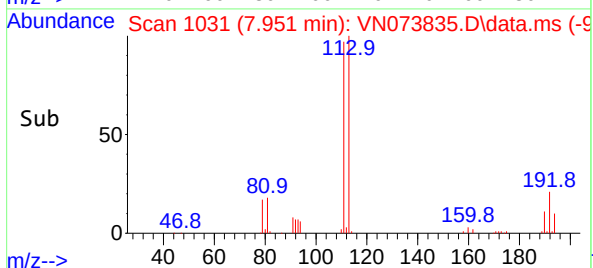
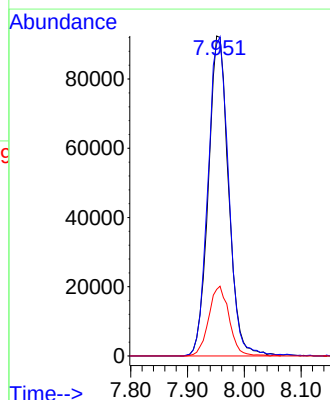
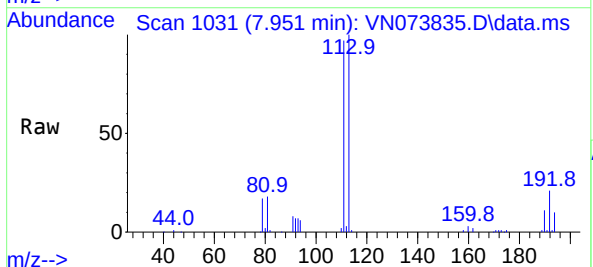
Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	40.0
88	15.0	0.0	32.6

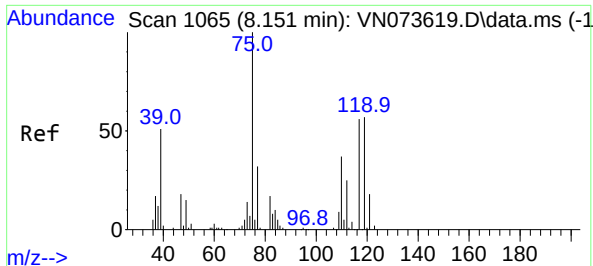


#35
Dibromofluoromethane
Concen: 54.650 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion:113 Resp: 227740

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.0
192	22.1	17.0	25.6

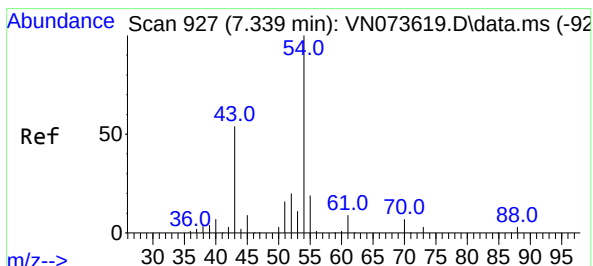
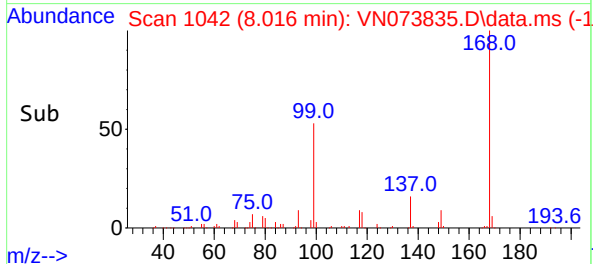
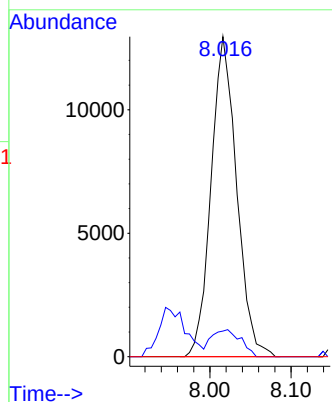
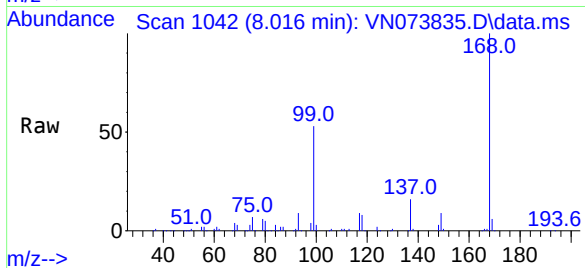




#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

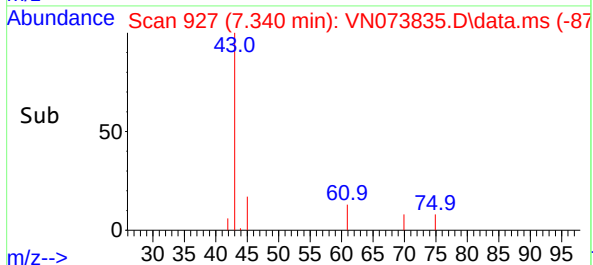
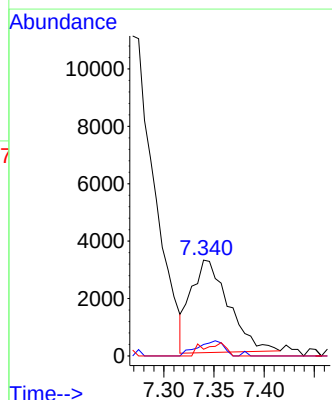
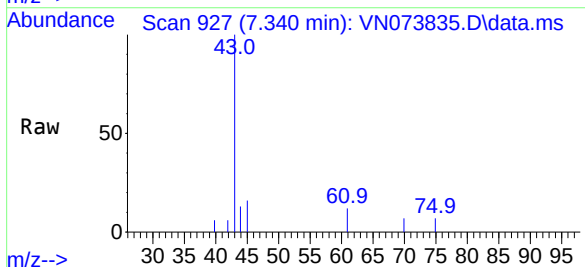
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

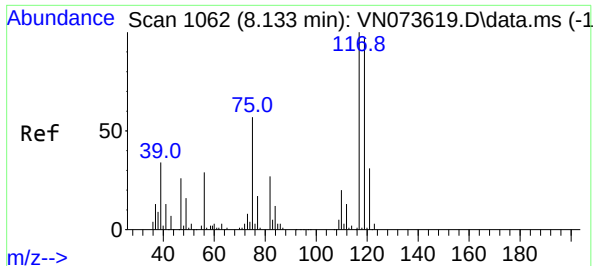
Tgt Ion: 75 Resp: 28336
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.077 ug/l
RT: 7.340 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

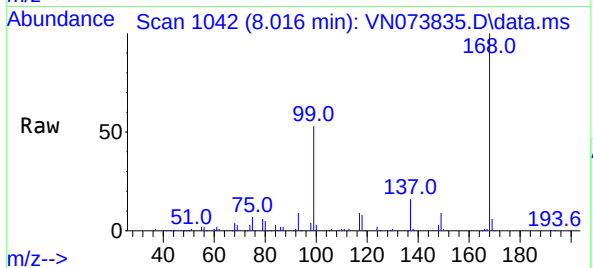
Tgt Ion: 43 Resp: 8427
Ion Ratio Lower Upper
43 100
61 11.4 11.8 17.6#
70 8.5 9.3 13.9#



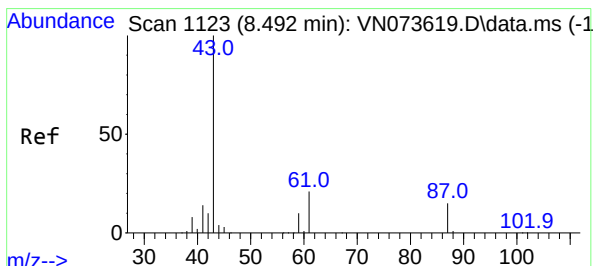
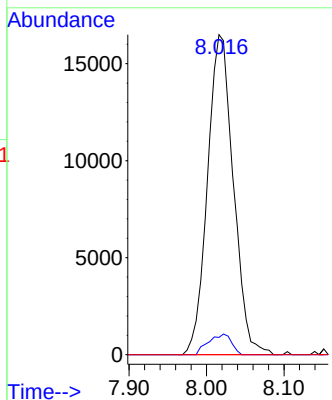
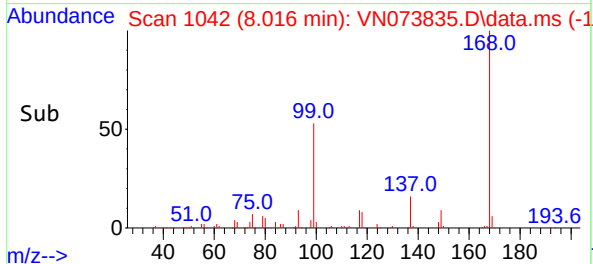


#38
Carbon Tetrachloride
Concen: 6.346 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

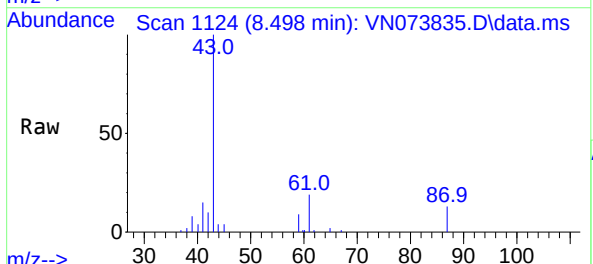
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C



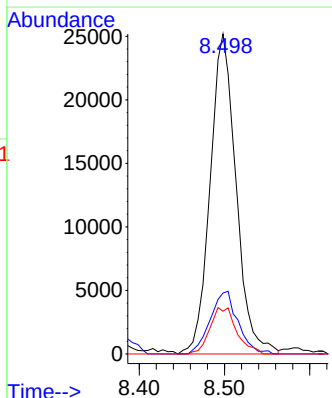
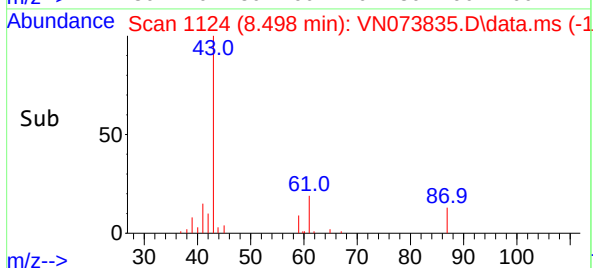
Tgt Ion:117 Resp: 38280
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#

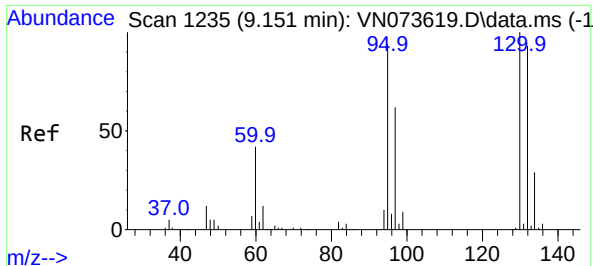


#43
Isopropyl Acetate
Concen: 5.039 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21



Tgt Ion: 43 Resp: 53240
Ion Ratio Lower Upper
43 100
61 20.9 21.9 32.9#
87 14.9 12.0 18.0

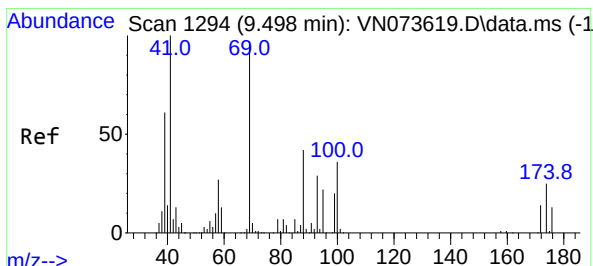
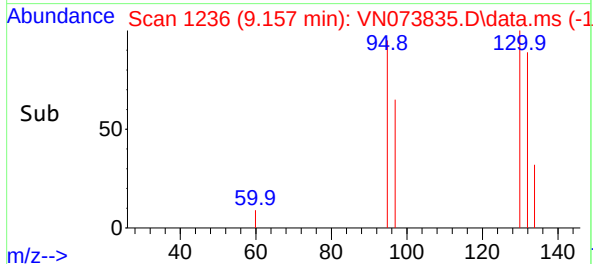
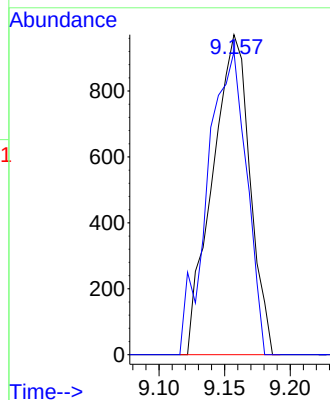
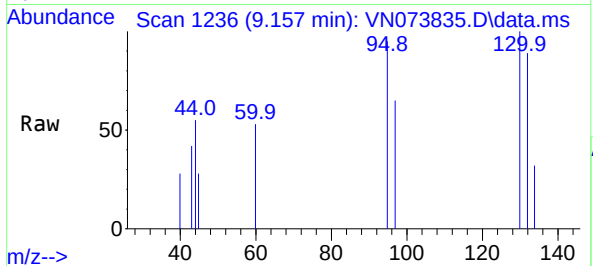




#44
Trichloroethene
Concen: 0.395 ug/l
RT: 9.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

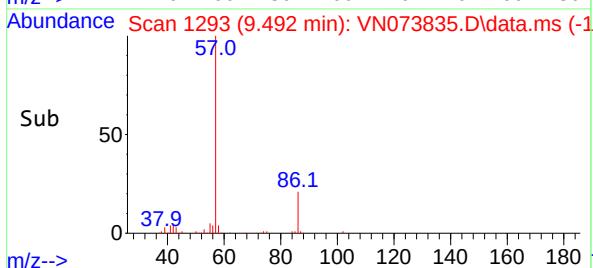
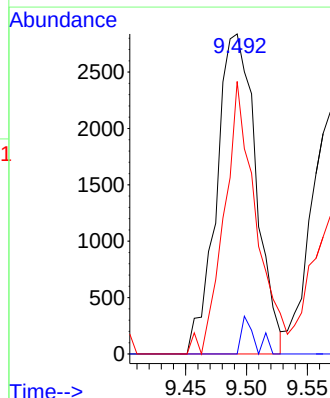
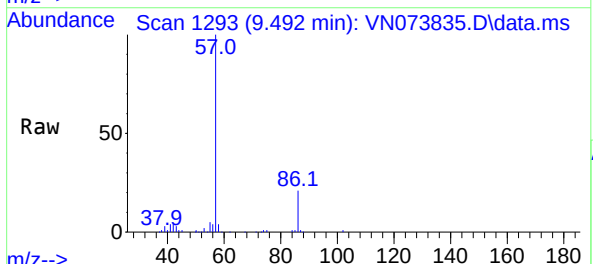
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

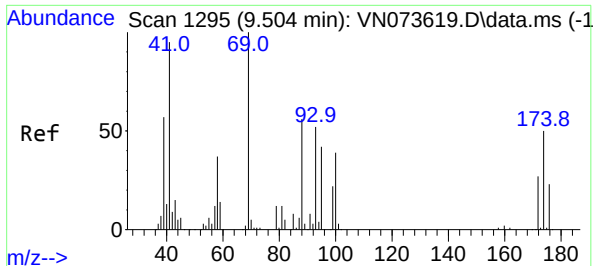
Tgt Ion:130 Resp: 1934
Ion Ratio Lower Upper
130 100
95 94.6 0.0 186.8



#48
Methyl methacrylate
Concen: 1.387 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 41 Resp: 6413
Ion Ratio Lower Upper
41 100
69 4.0 74.7 112.1#
39 68.8 45.6 68.4#

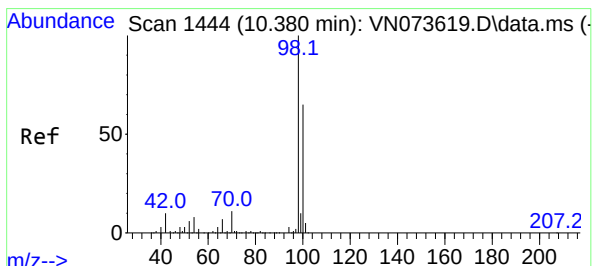
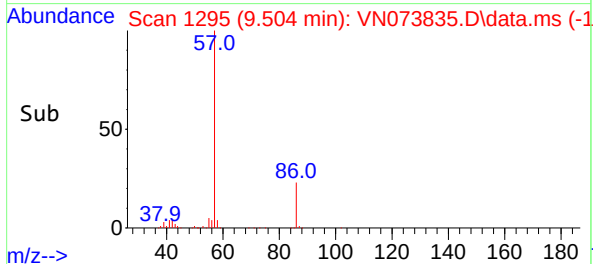
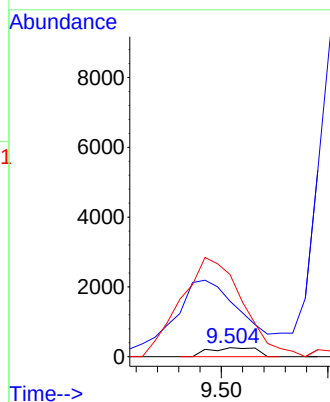
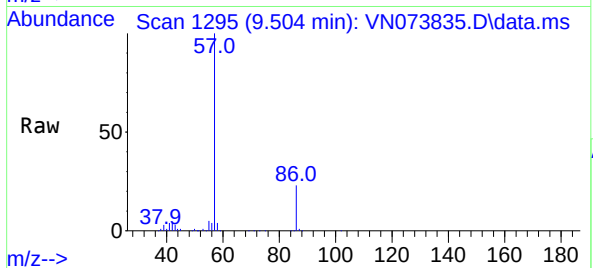




#49
1,4-Dioxane
Concen: 3.030 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

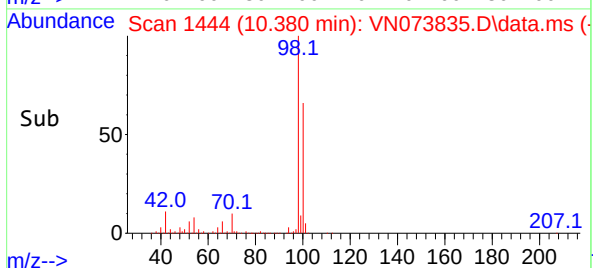
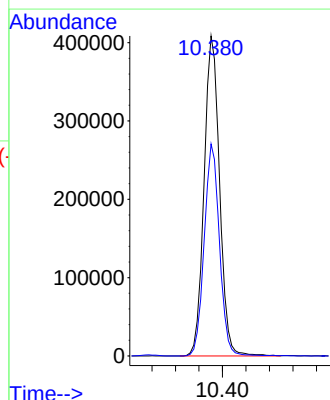
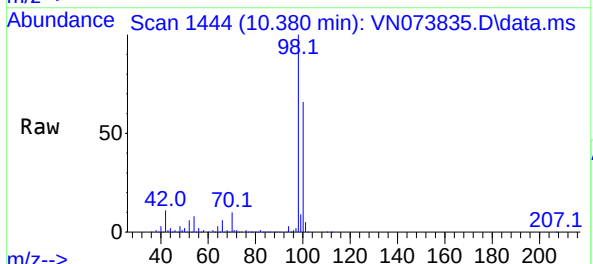
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

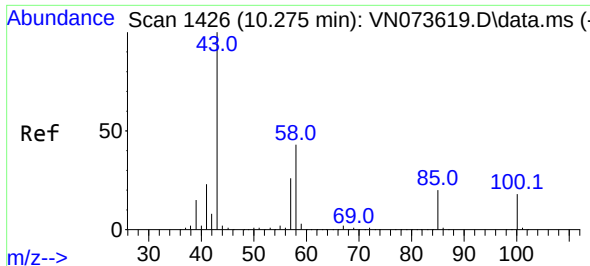
Tgt Ion: 88 Resp: 395
Ion Ratio Lower Upper
88 100
43 1313.4 20.2 30.4#
58 1455.4 54.2 81.4#



#50
Toluene-d8
Concen: 45.651 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 98 Resp: 748615
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

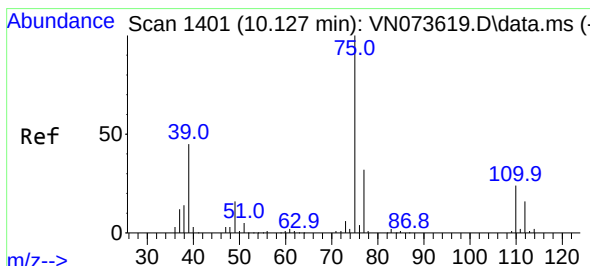
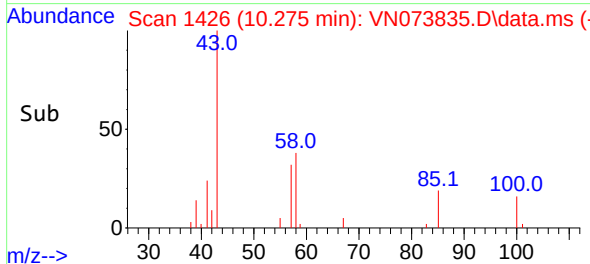
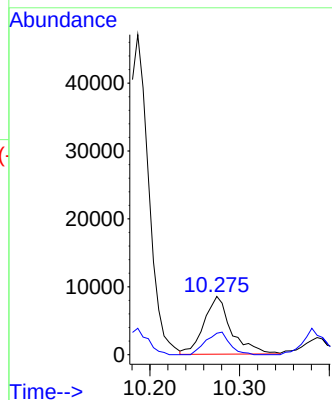
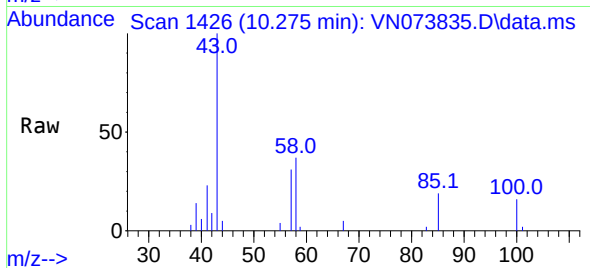




#51
4-Methyl-2-Pentanone
Concen: 2.376 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

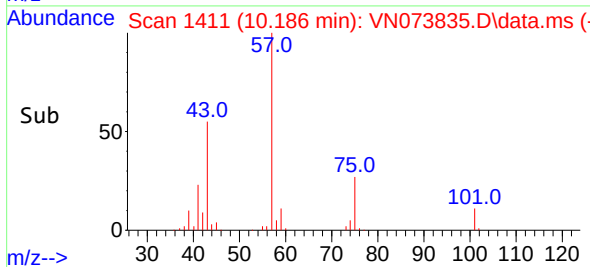
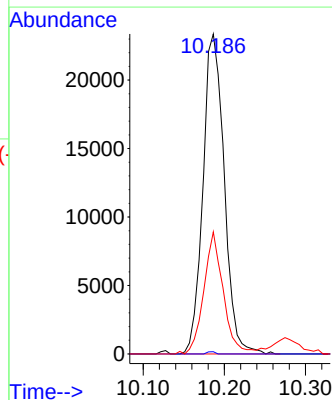
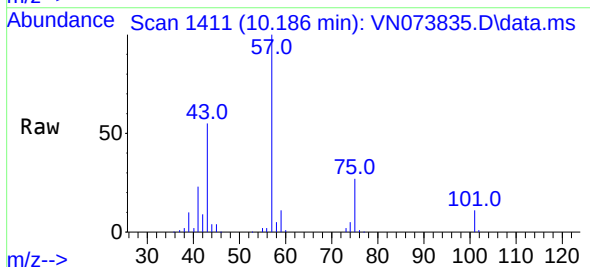
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

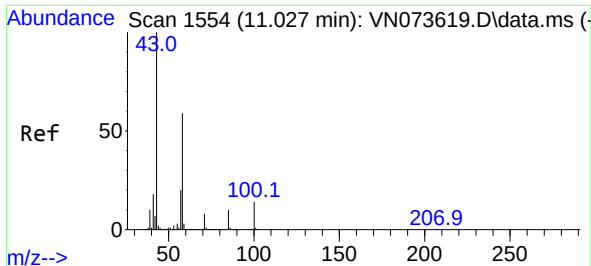
Tgt Ion: 43 Resp: 18006
Ion Ratio Lower Upper
43 100
58 34.0 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 5.942 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 75 Resp: 42481
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 37.4 35.7 53.5

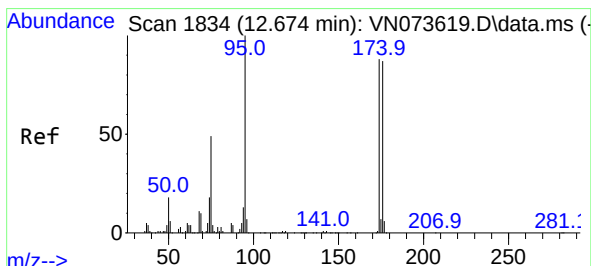
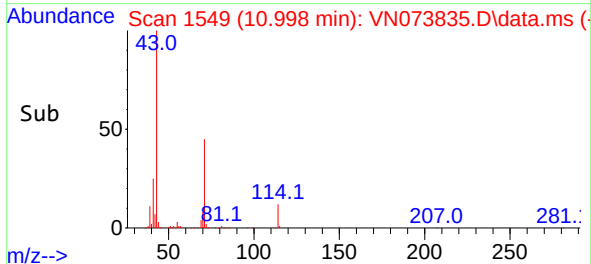
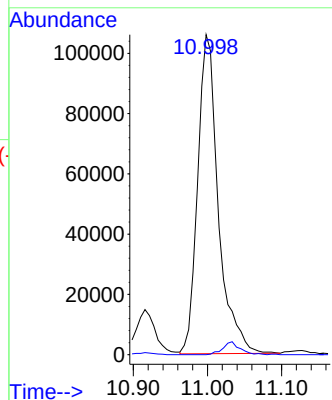
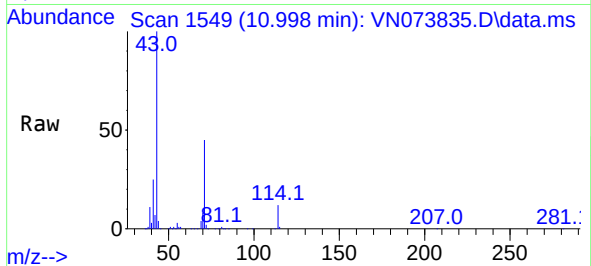




#59
2-Hexanone
Concen: 35.757 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.029 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

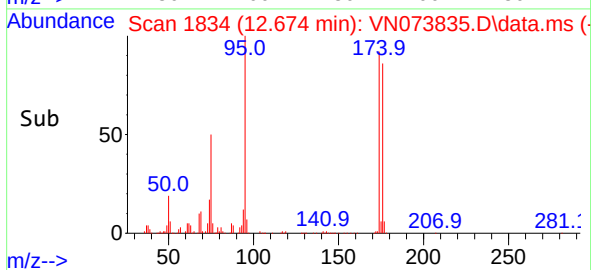
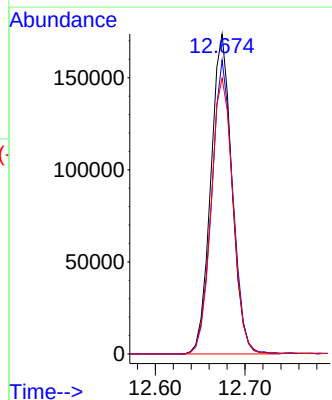
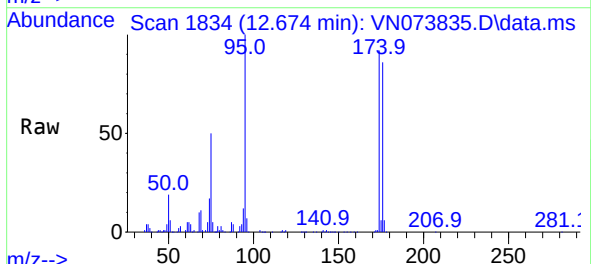
Instrument :
MSVOA_N
ClientSampleId :
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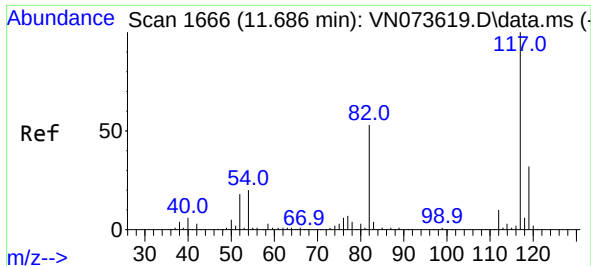
Tgt Ion: 43 Resp: 205283
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.220 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 95 Resp: 283081
Ion Ratio Lower Upper
95 100
174 92.6 0.0 167.6
176 89.2 0.0 163.4

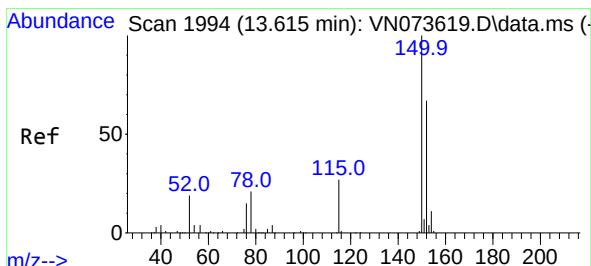
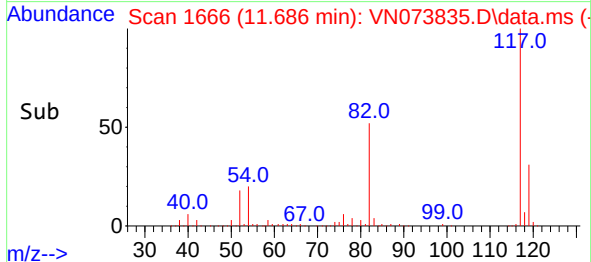
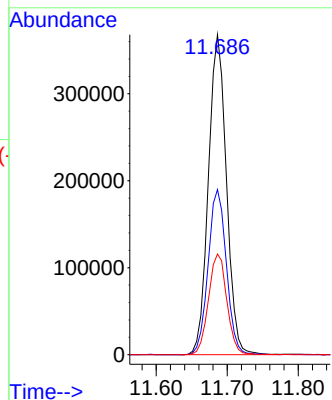
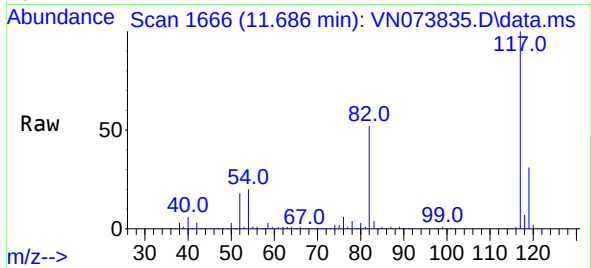




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

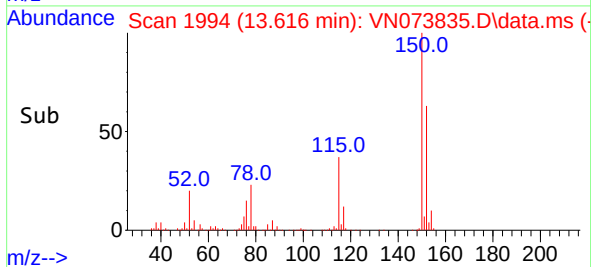
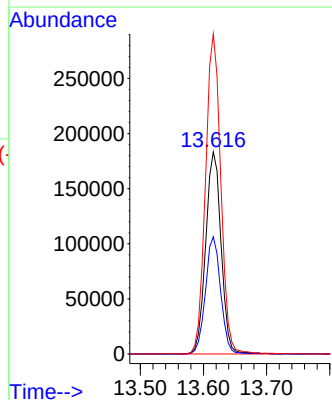
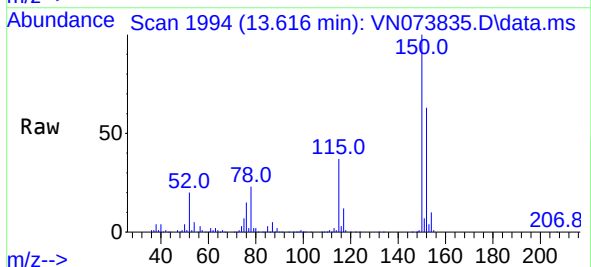
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

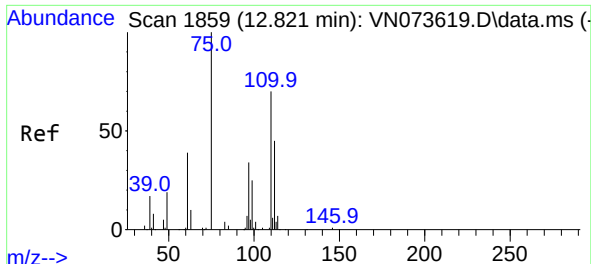
Tgt Ion:117 Resp: 649505
Ion Ratio Lower Upper
117 100
82 51.6 44.2 66.2
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion:152 Resp: 310947
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.1 0.0 356.2

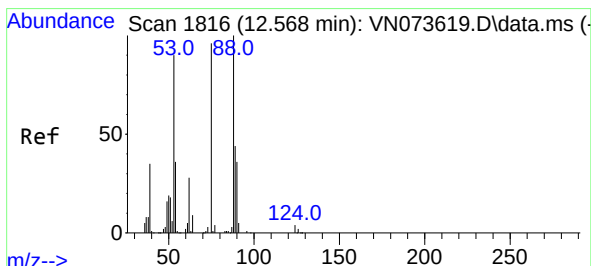
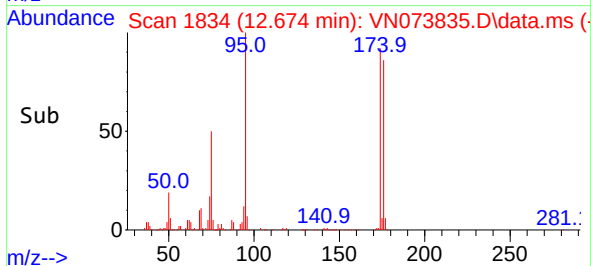
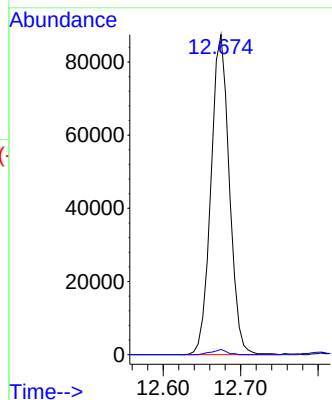
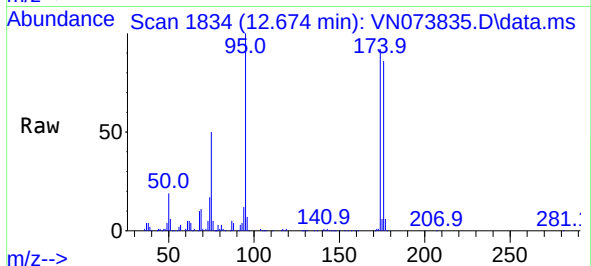




#76
1,2,3-Trichloropropane
Concen: 23.617 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

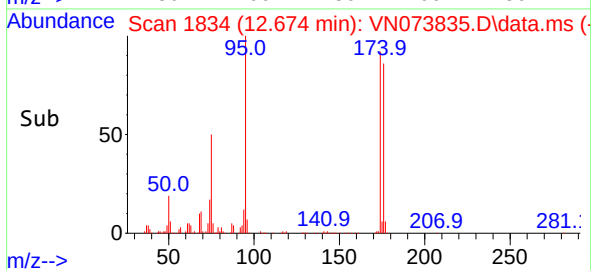
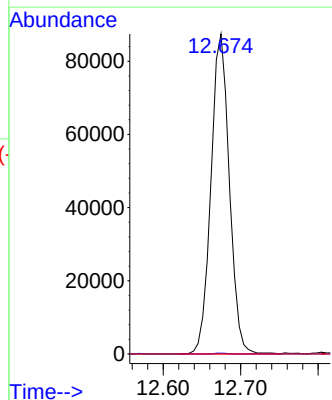
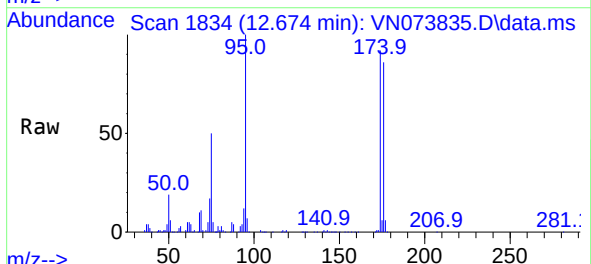
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

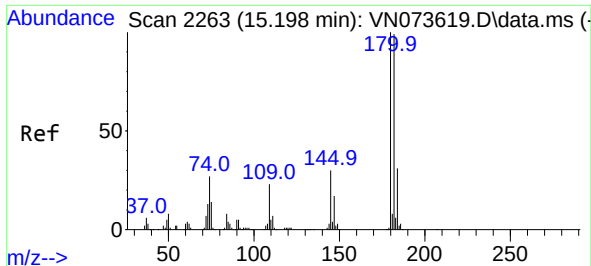
Tgt Ion: 75 Resp: 144222
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.107 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

Tgt Ion: 75 Resp: 144222
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#

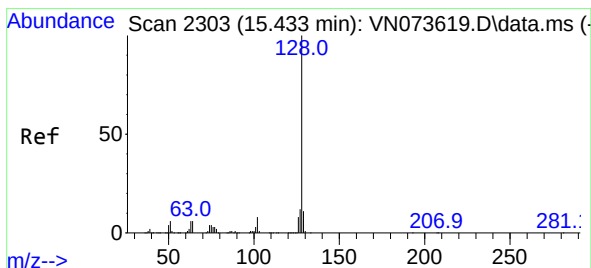
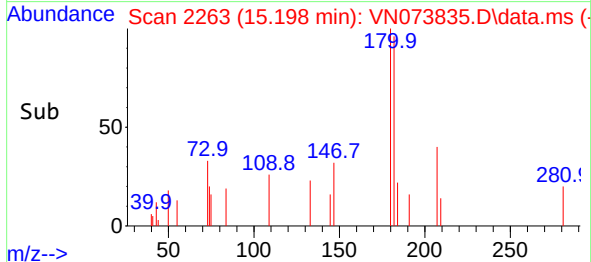
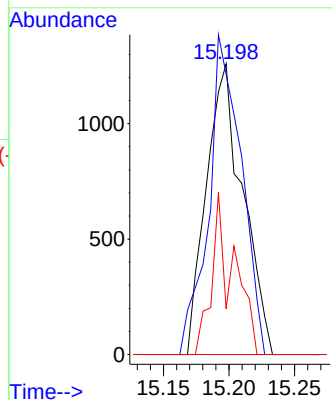
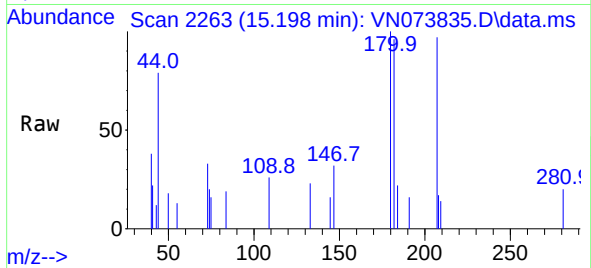




#93
1,2,4-Trichlorobenzene
Concen: 0.448 ug/l
RT: 15.198 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

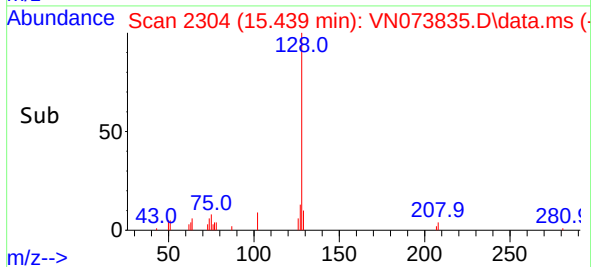
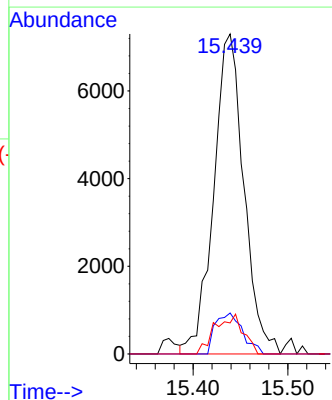
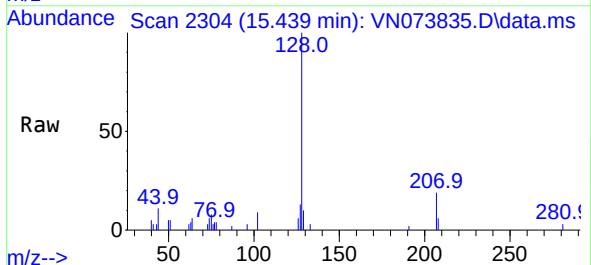
Instrument :
MSVOA_N
ClientSampleId :
BLDG-19C

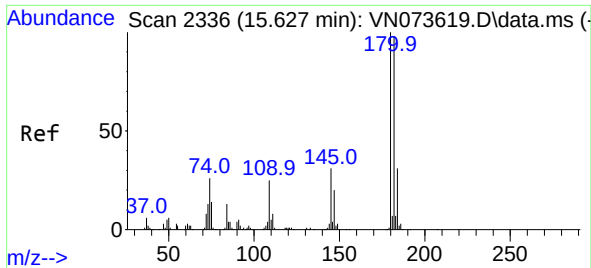
Tgt Ion:	180	Resp:	2437
Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.5	142.5
145	33.4	14.5	43.5



#95
Naphthalene
Concen: 0.915 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073835.D
Acq: 11 Aug 2022 19:21

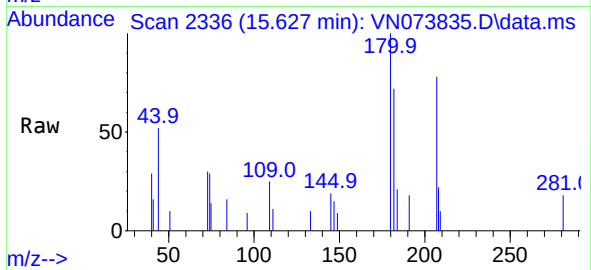
Tgt Ion:	128	Resp:	16167
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	11.5	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.614 ug/l
 RT: 15.627 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073835.D
 Acq: 11 Aug 2022 19:21

Instrument :
 MSVOA_N
 ClientSampleId :
 BLDG-19C



Tgt Ion:	180	Resp:	3519
Ion	Ratio	Lower	Upper
180	100		
182	84.3	47.8	143.3
145	24.4	15.5	46.5

