

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073918.D
 Acq On : 16 Aug 2022 01:18
 Operator : JC\MD
 Sample : N4188-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S4

Quant Time: Aug 16 05:13:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

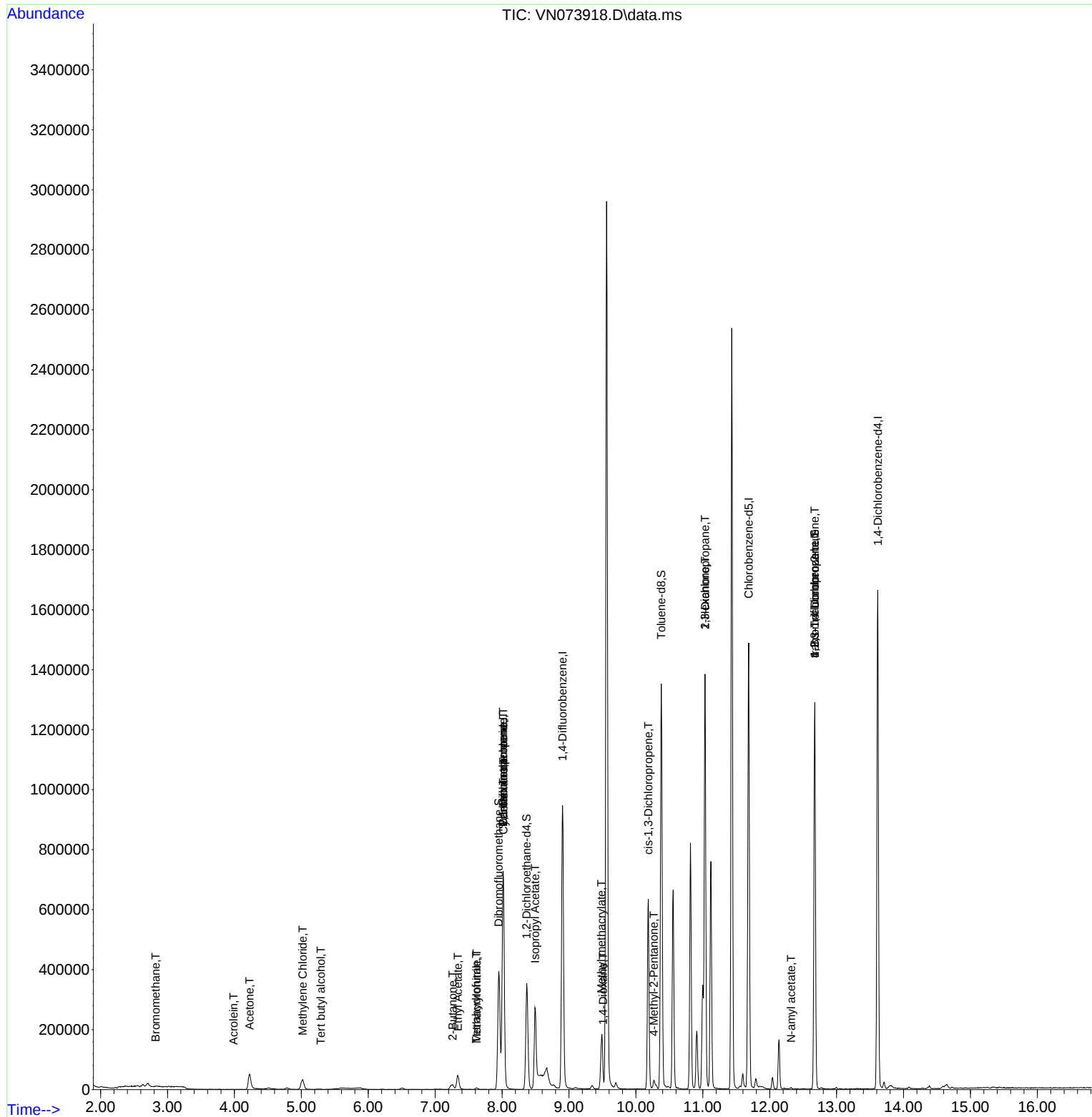
Internal Standards						
1) Pentafluorobenzene	8.016	168	633766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	915528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	903828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	492664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	293843	47.602	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.200%		
35) Dibromofluoromethane	7.951	113	287970	53.187	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.380%		
50) Toluene-d8	10.380	98	975151	46.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.000%		
62) 4-Bromofluorobenzene	12.674	95	414775	59.600	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	119.200%		
Target Compounds						Qvalue
5) Bromomethane	2.822	94	946	0.211	ug/l	82
11) Tert butyl alcohol	5.292	59	1195	0.865	ug/l #	72
13) Acrolein	3.987	56	282	0.292	ug/l #	42
16) Acetone	4.228	43	91917	31.562	ug/l	96
18) Methyl Acetate	4.787	43	11302	Below Cal		97
20) Methylene Chloride	5.022	84	29014	4.721	ug/l #	87
25) 2-Butanone	7.263	43	18007	3.900	ug/l #	88
29) Tetrahydrofuran	7.616	42	3701	1.249	ug/l	93
31) Cyclohexane	8.022	56	9850	1.145	ug/l #	6
36) 1,1-Dichloropropene	8.016	75	39497	5.252	ug/l #	49
37) Ethyl Acetate	7.339	43	71365	7.833	ug/l	96
38) Carbon Tetrachloride	8.016	117	56355	6.556	ug/l #	16
41) Methacrylonitrile	7.622	41	2252	0.547	ug/l #	34
43) Isopropyl Acetate	8.492	43	333784	25.717	ug/l #	90
48) Methyl methacrylate	9.486	41	10077	1.815	ug/l #	40
49) 1,4-Dioxane	9.510	88	247	1.496	ug/l #	25
51) 4-Methyl-2-Pentanone	10.269	43	27200	3.100	ug/l #	81
54) cis-1,3-Dichloropropene	10.186	75	124559	13.123	ug/l #	59
57) 1,3-Dichloropropane	11.033	76	15429	1.499	ug/l #	42
59) 2-Hexanone	11.033	43	179640	26.600	ug/l #	50
74) N-amyl acetate	12.321	43	2806	0.207	ug/l #	45
76) 1,2,3-Trichloropropane	12.674	75	205350	20.054	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	205350	57.037	ug/l #	10

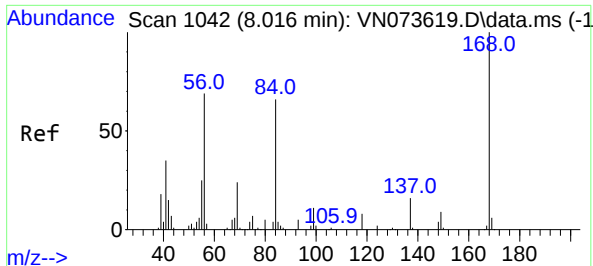
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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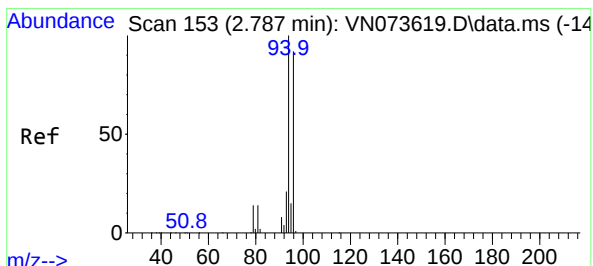
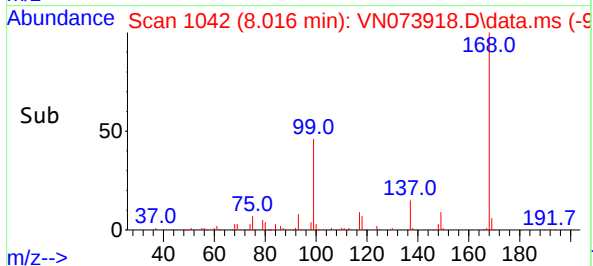
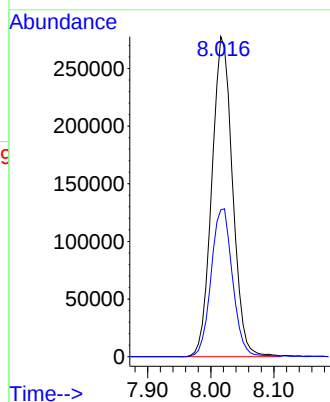
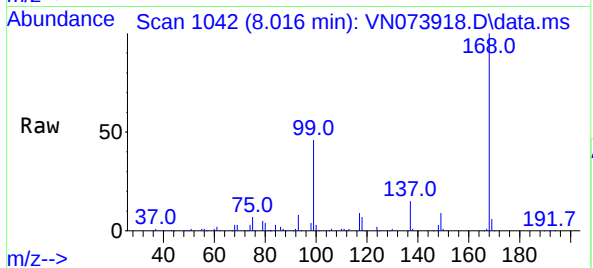




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

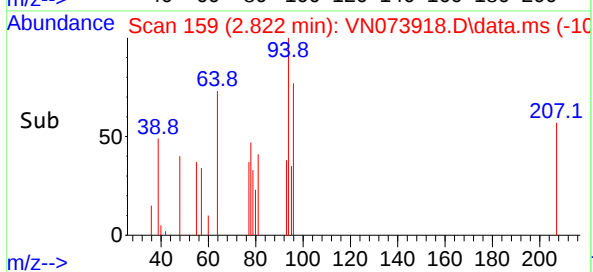
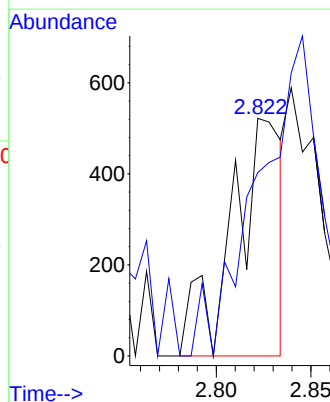
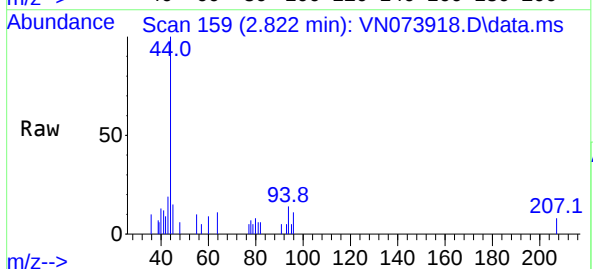
Instrument :
MSVOA_N
ClientSampleId :
S4

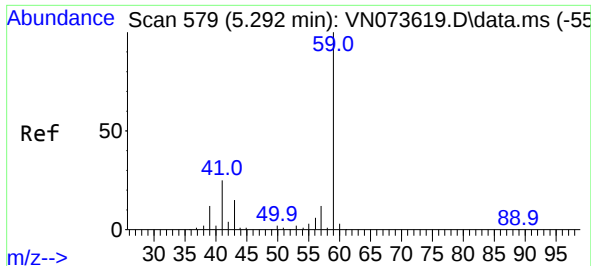
Tgt Ion:168 Resp: 633766
Ion Ratio Lower Upper
168 100
99 45.9 42.3 63.5



#5
Bromomethane
Concen: 0.211 ug/l
RT: 2.822 min Scan# 159
Delta R.T. 0.035 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 94 Resp: 946
Ion Ratio Lower Upper
94 100
96 77.2 76.0 114.0

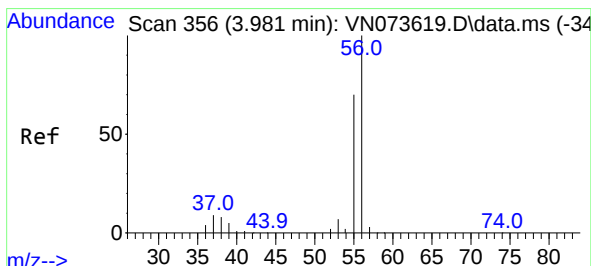
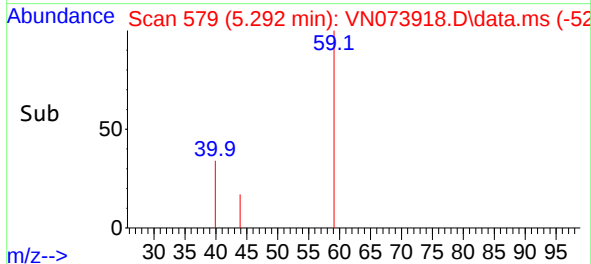
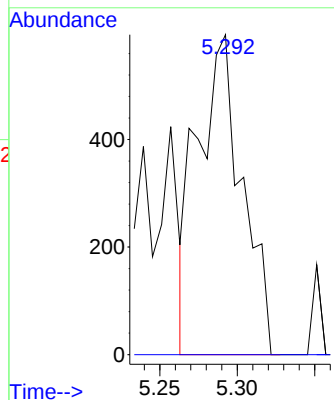
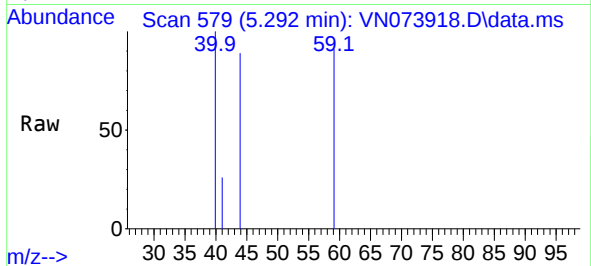




#11
Tert butyl alcohol
Concen: 0.865 ug/l
RT: 5.292 min Scan# 511
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

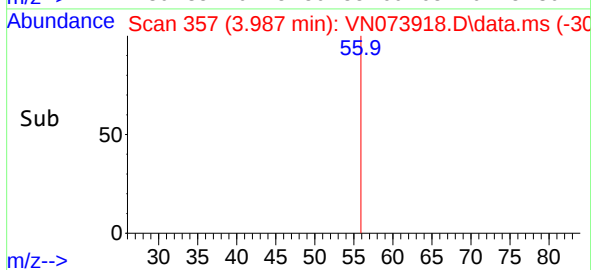
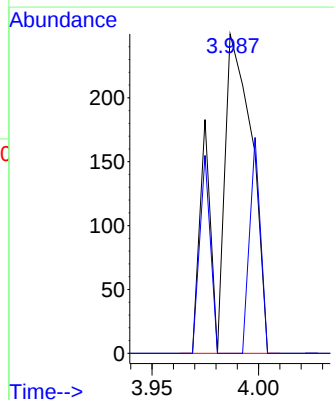
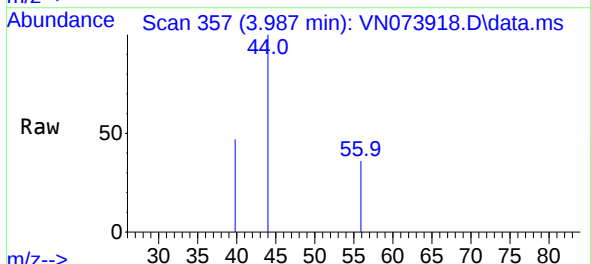
Instrument :
MSVOA_N
ClientSampleId :
S4

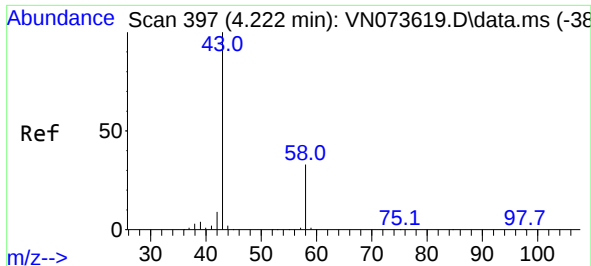
Tgt Ion: 59 Resp: 1195
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.292 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 21.3 54.8 82.2#

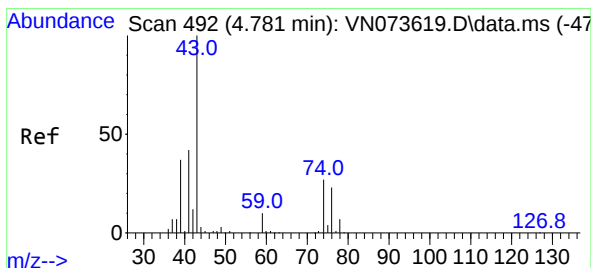
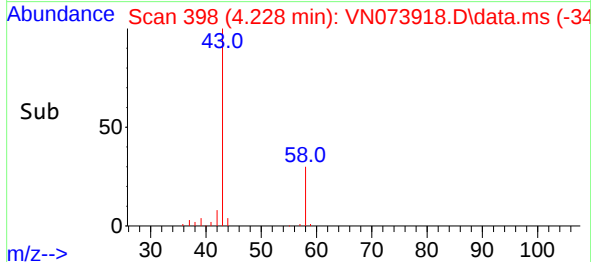
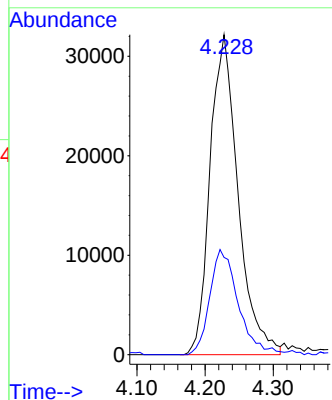
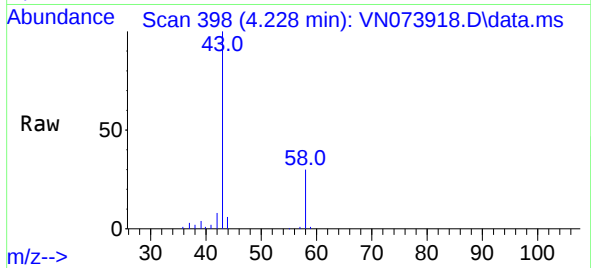




#16
Acetone
Concen: 31.562 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

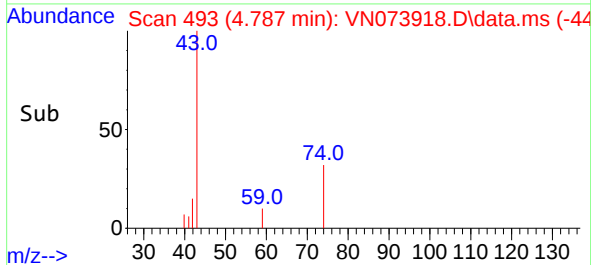
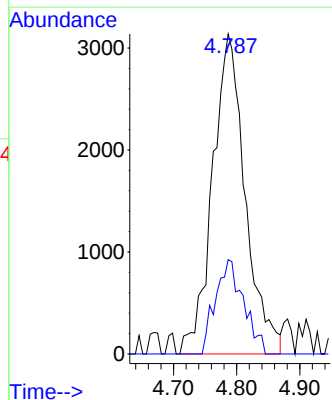
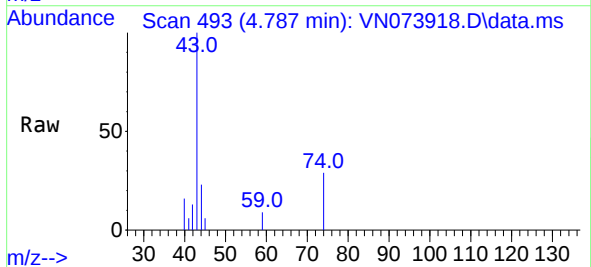
Instrument :
MSVOA_N
ClientSampleId :
S4

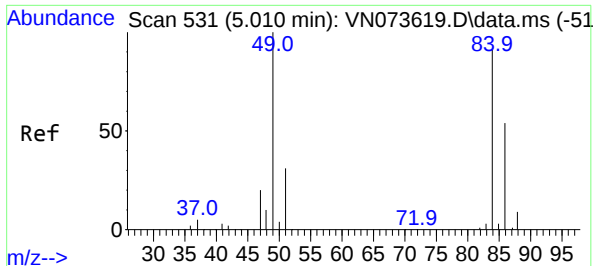
Tgt Ion: 43 Resp: 91917
Ion Ratio Lower Upper
43 100
58 30.4 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 43 Resp: 11302
Ion Ratio Lower Upper
43 100
74 25.3 21.6 32.4

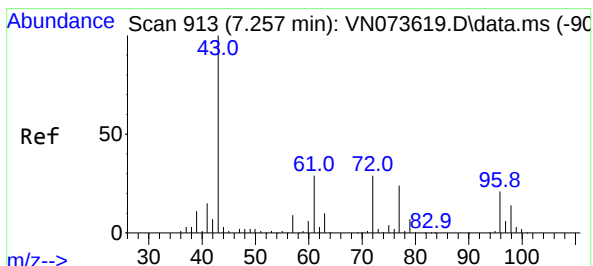
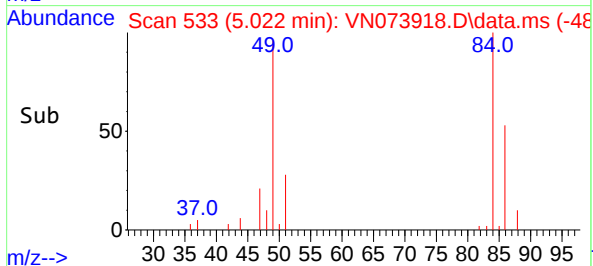
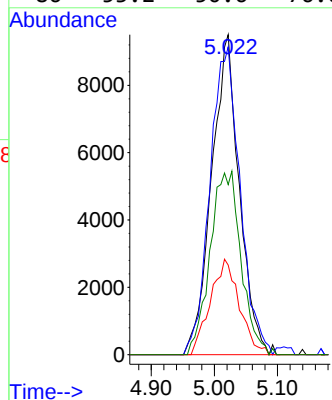
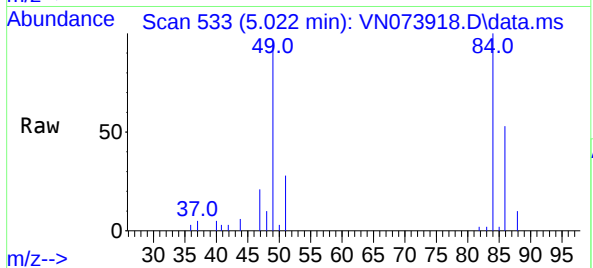




#20
Methylene Chloride
Concen: 4.721 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

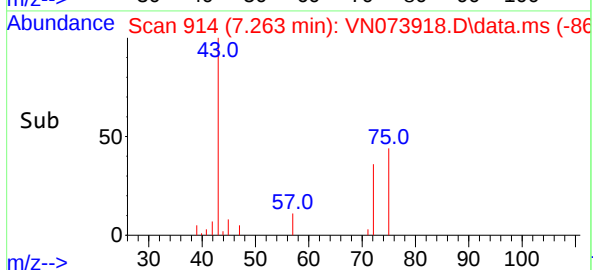
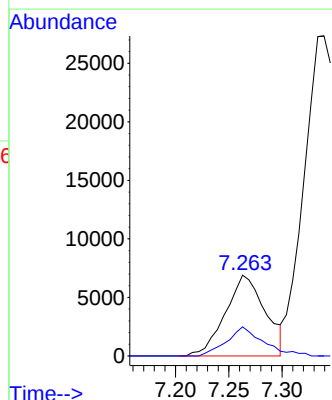
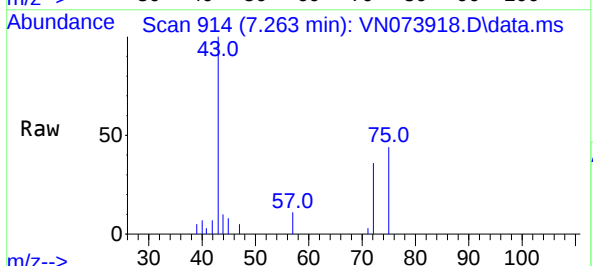
Instrument :
MSVOA_N
ClientSampleId :
S4

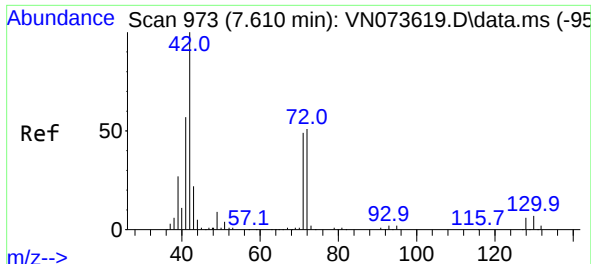
Tgt Ion:	84	Resp:	29014
Ion	Ratio	Lower	Upper
84	100		
49	96.2	88.3	132.5
51	28.0	28.2	42.2#
86	53.2	50.6	76.0



#25
2-Butanone
Concen: 3.900 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion:	43	Resp:	18007
Ion	Ratio	Lower	Upper
43	100		
72	36.1	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.249 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073918.D

Acq: 16 Aug 2022 01:18

Instrument :

MSVOA_N

ClientSampleId :

S4

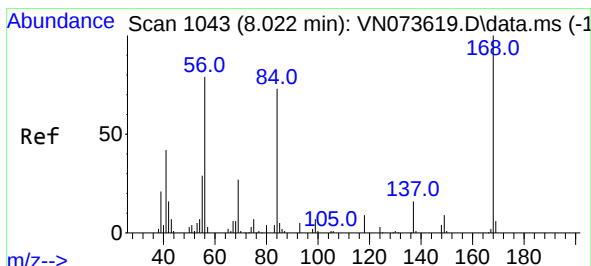
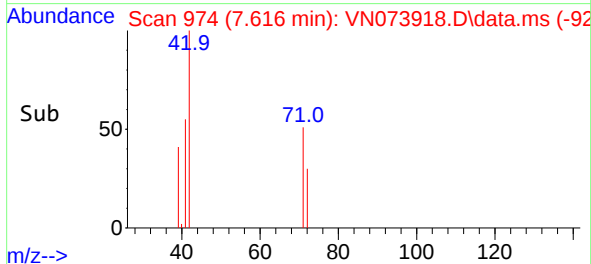
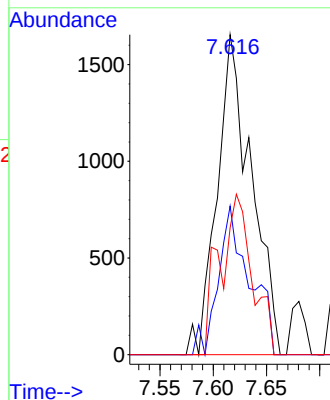
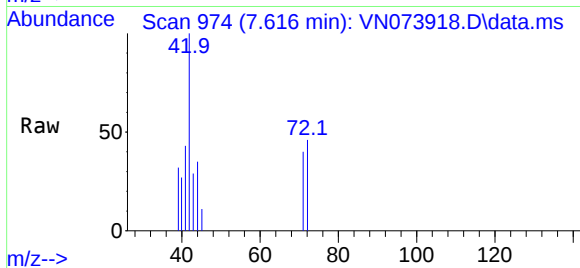
Tgt Ion: 42 Resp: 3701

Ion Ratio Lower Upper

42 100

72 42.6 39.7 59.5

71 47.7 36.6 55.0



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073918.D

Acq: 16 Aug 2022 01:18

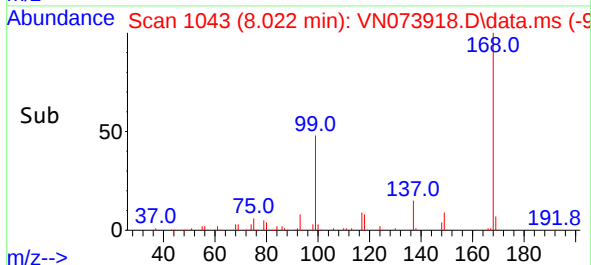
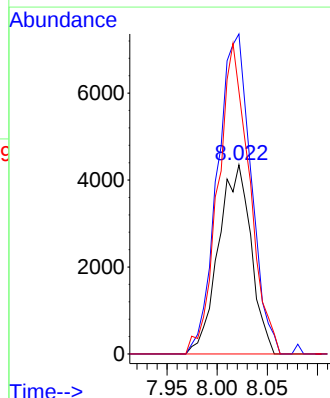
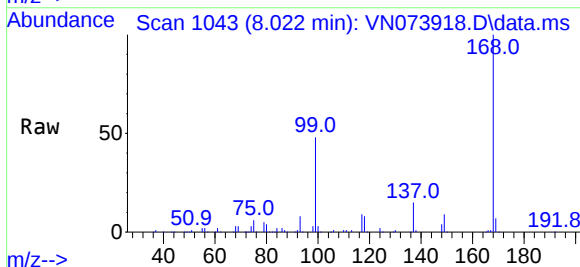
Tgt Ion: 56 Resp: 9850

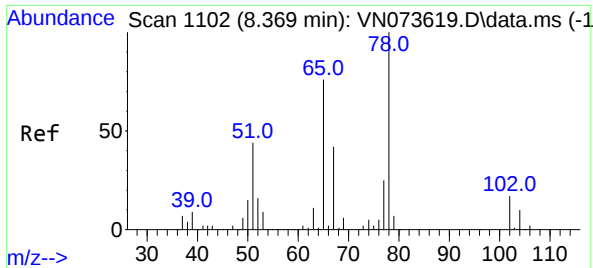
Ion Ratio Lower Upper

56 100

69 169.1 27.8 41.8#

84 138.9 76.9 115.3#

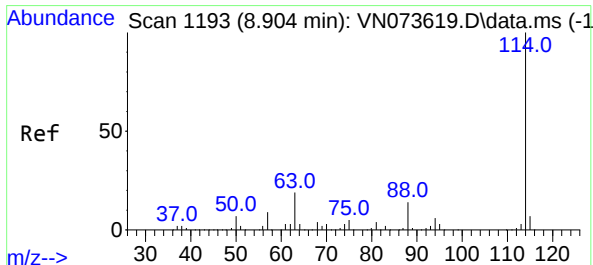
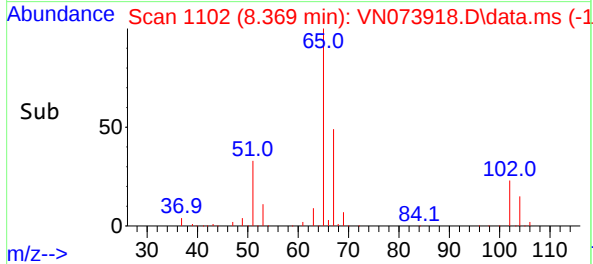
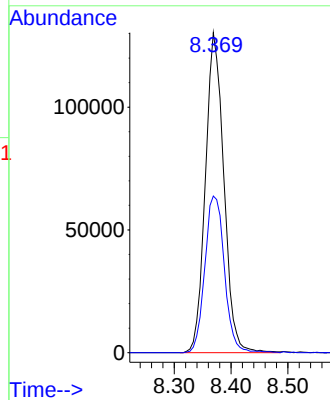
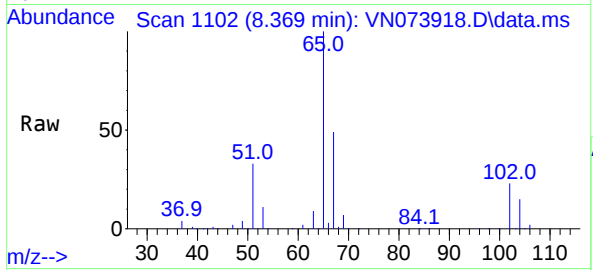




#33
1,2-Dichloroethane-d4
Concen: 47.602 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

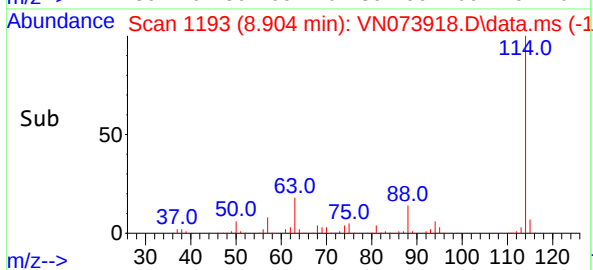
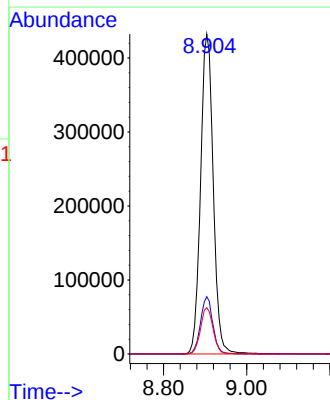
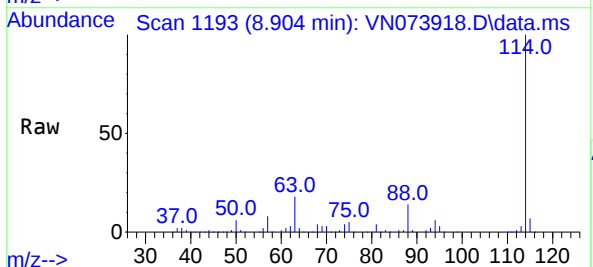
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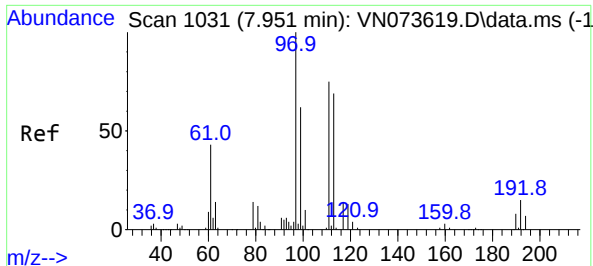
Tgt Ion: 65 Resp: 293843
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 114 Resp: 915528
Ion Ratio Lower Upper
114 100
63 17.9 0.0 40.0
88 14.4 0.0 32.6

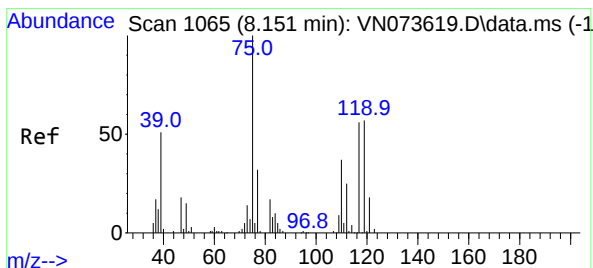
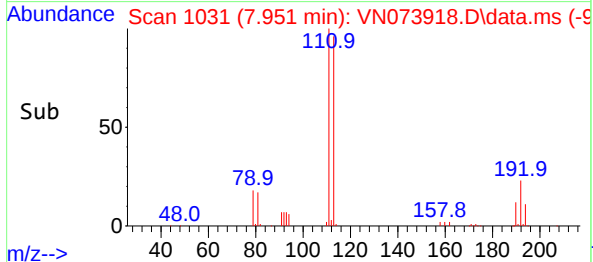
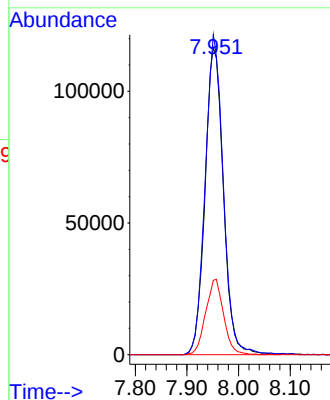
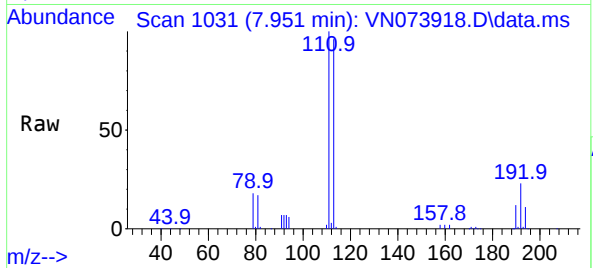




#35
Dibromofluoromethane
Concen: 53.187 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

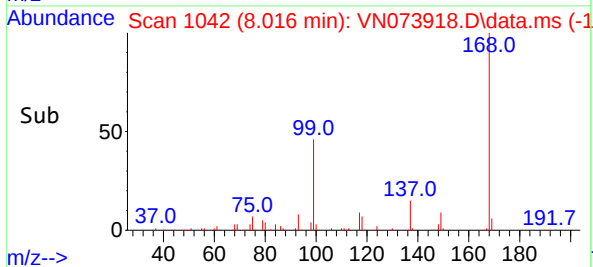
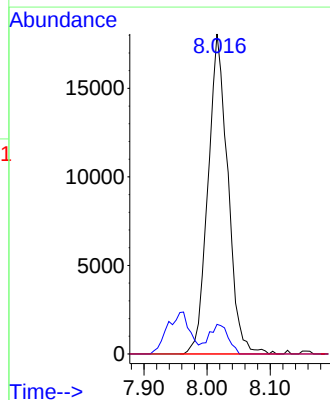
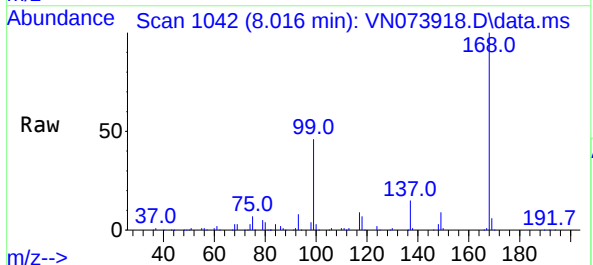
Instrument :
MSVOA_N
ClientSampleId :
S4

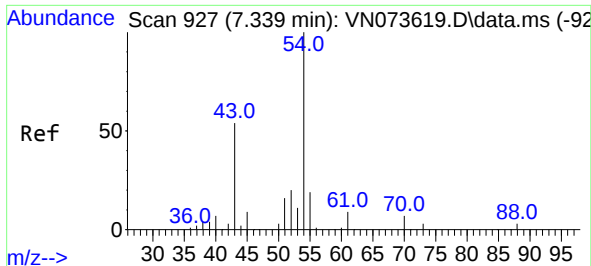
Tgt Ion:113 Resp: 287970
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 24.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.252 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 75 Resp: 39497
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#



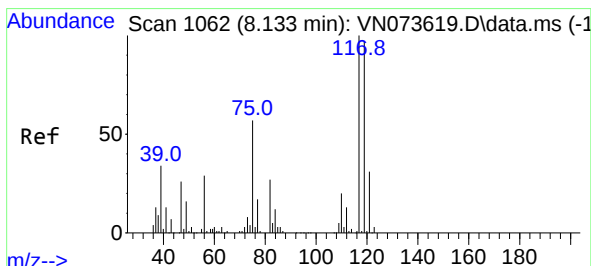
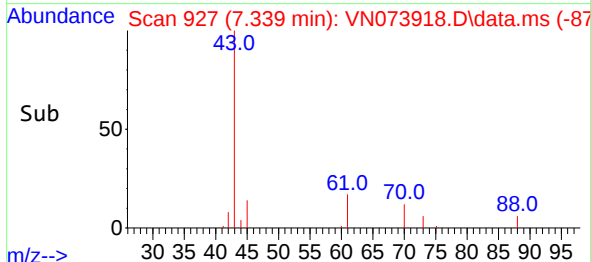
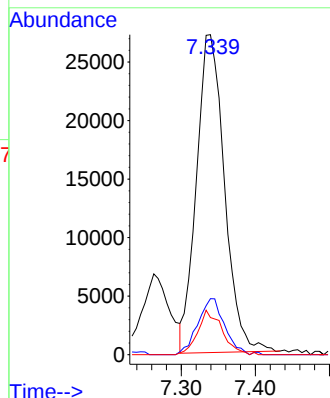
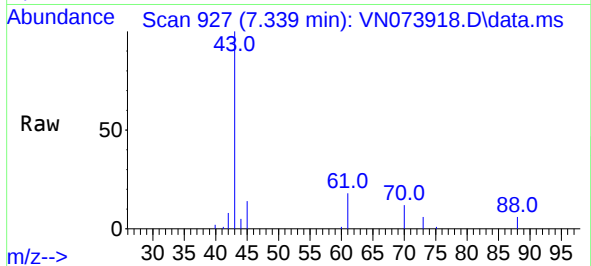


#37
Ethyl Acetate
Concen: 7.833 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Instrument :
MSVOA_N
ClientSampleId :
S4

Tgt Ion: 43 Resp: 71365

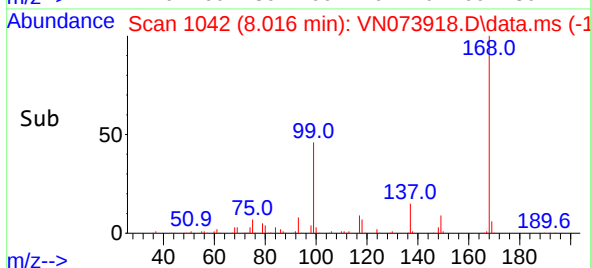
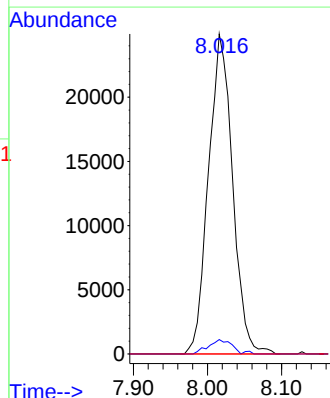
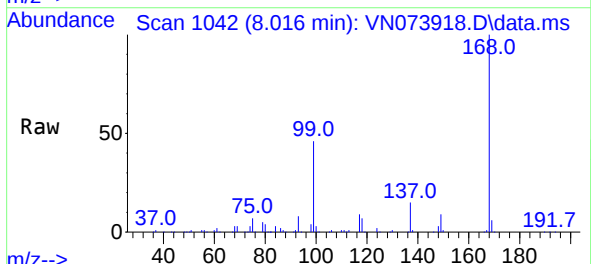
Ion	Ratio	Lower	Upper
43	100		
61	16.8	11.8	17.6
70	12.2	9.3	13.9

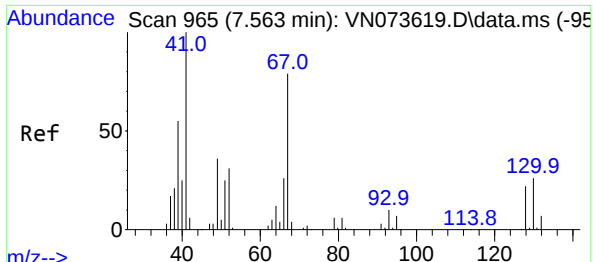


#38
Carbon Tetrachloride
Concen: 6.556 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 117 Resp: 56355

Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.8#
121	0.0	24.6	37.0#

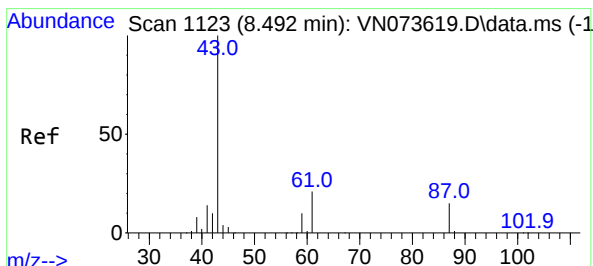
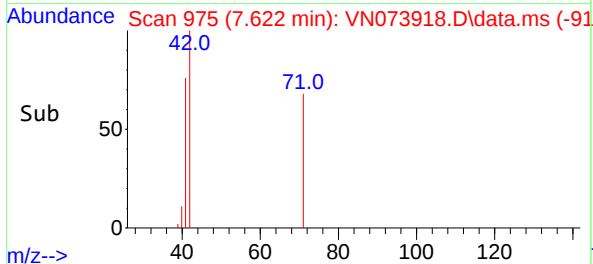
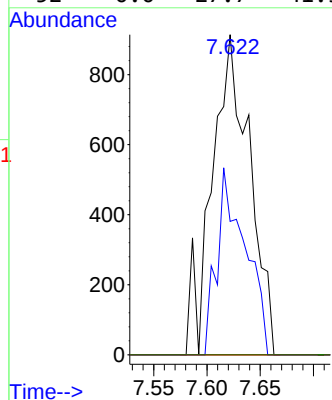
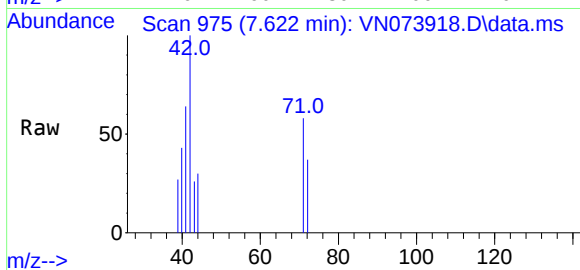




#41
Methacrylonitrile
Concen: 0.547 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

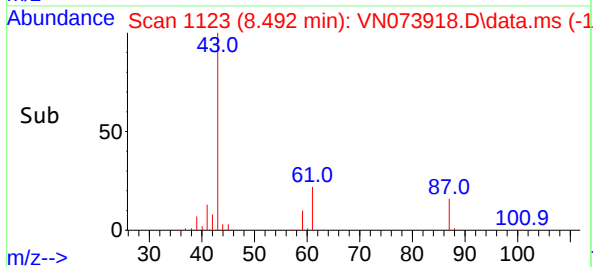
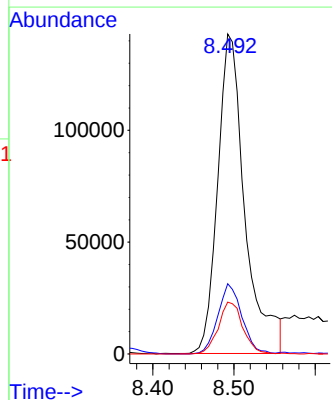
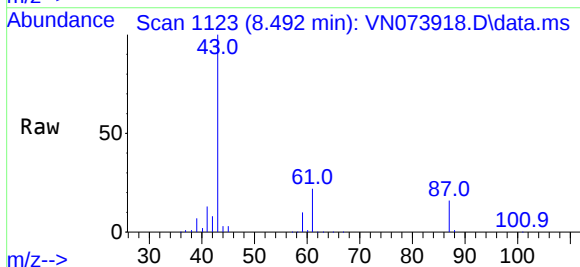
Instrument :
MSVOA_N
ClientSampleId :
S4

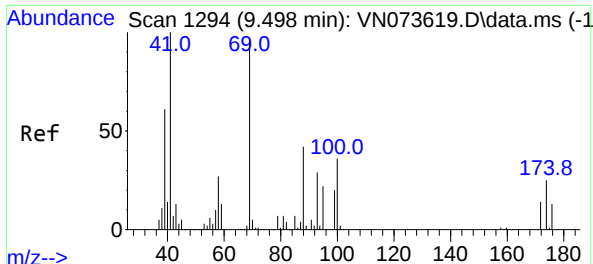
Tgt Ion: 41	Resp:	2252
Ion	Ratio	Lower Upper
41	100	
39	43.9	48.6 73.0#
67	0.0	73.4 110.2#
52	0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 25.717 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 43	Resp:	333784
Ion	Ratio	Lower Upper
43	100	
61	19.4	21.9 32.9#
87	14.6	12.0 18.0





#48

Methyl methacrylate

Concen: 1.815 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073918.D

Acq: 16 Aug 2022 01:18

Instrument :

MSVOA_N

ClientSampleId :

S4

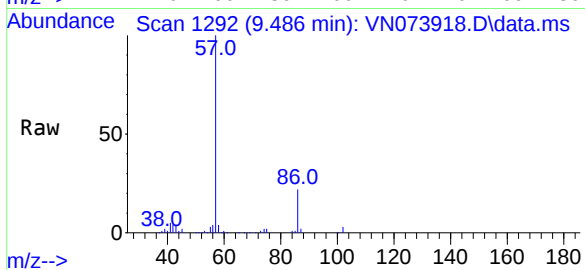
Tgt Ion: 41 Resp: 10077

Ion Ratio Lower Upper

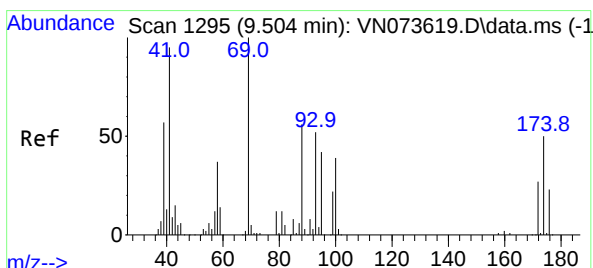
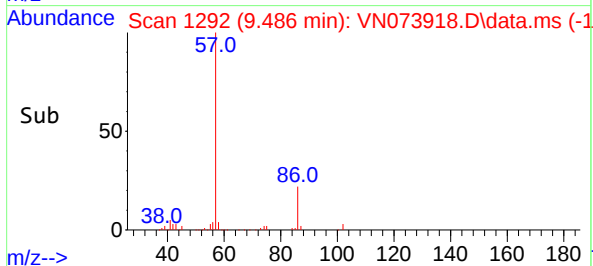
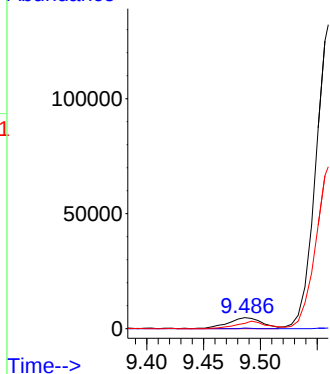
41 100

69 1.5 74.7 112.1#

39 58.7 45.6 68.4



Abundance



#49

1,4-Dioxane

Concen: 1.496 ug/l

RT: 9.510 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VN073918.D

Acq: 16 Aug 2022 01:18

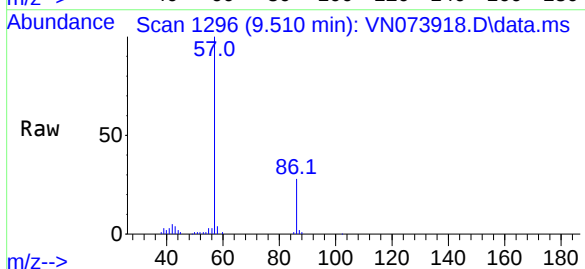
Tgt Ion: 88 Resp: 247

Ion Ratio Lower Upper

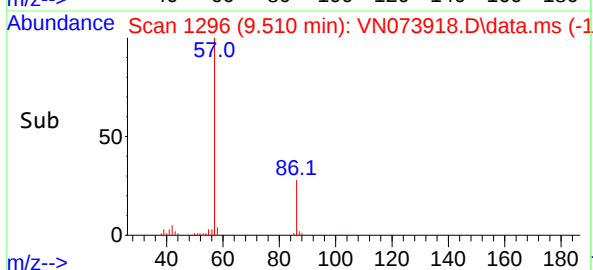
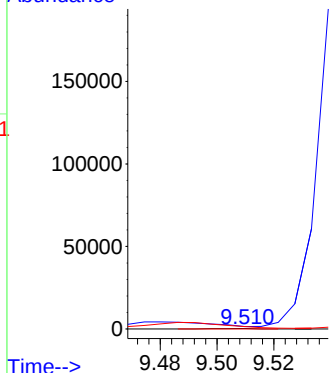
88 100

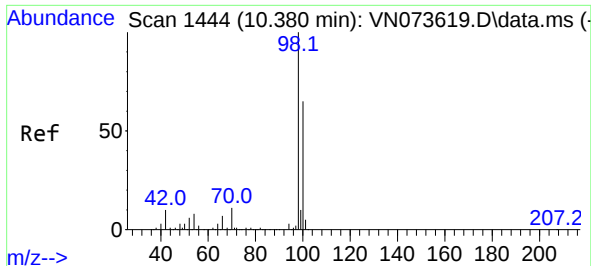
43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



Abundance

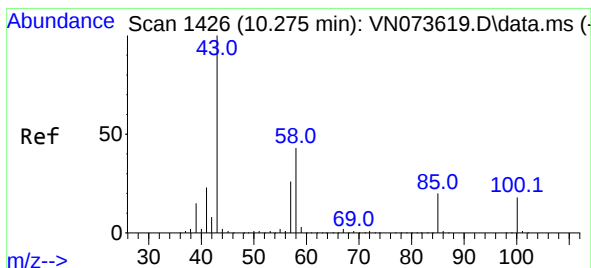
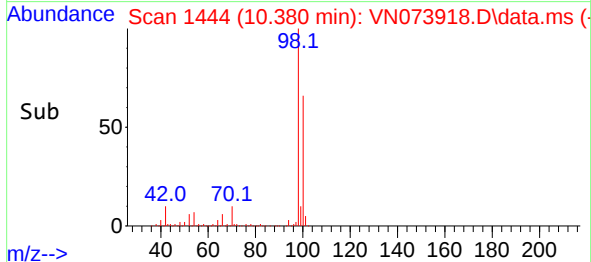
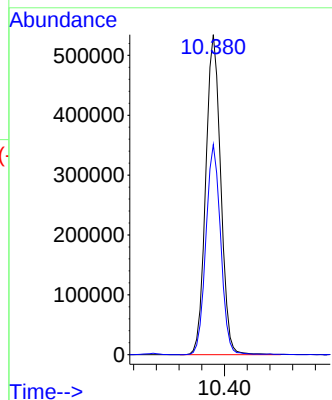
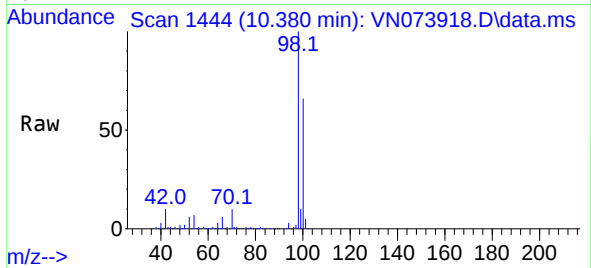




#50
Toluene-d8
Concen: 46.504 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

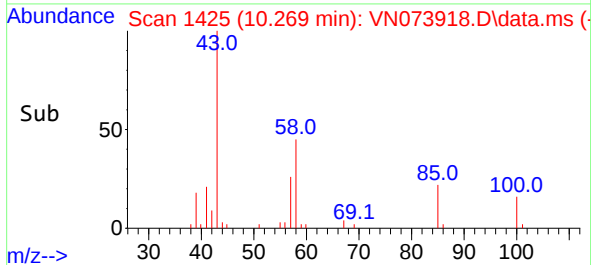
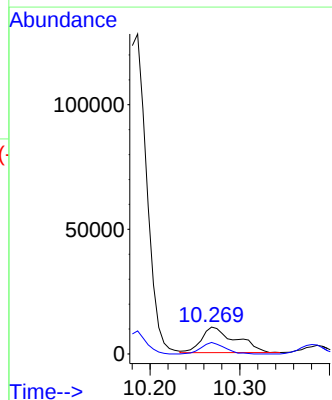
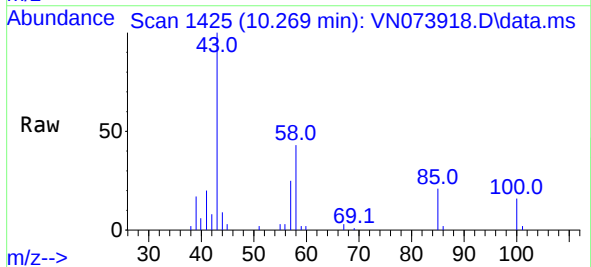
Instrument :
MSVOA_N
ClientSampleId :
S4

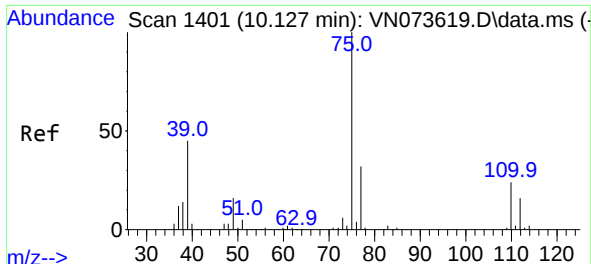
Tgt Ion: 98 Resp: 975151
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.100 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 43 Resp: 27200
Ion Ratio Lower Upper
43 100
58 30.7 34.1 51.1#

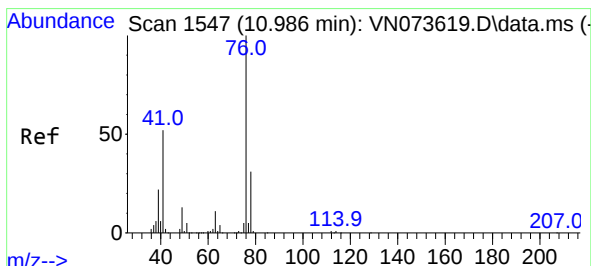
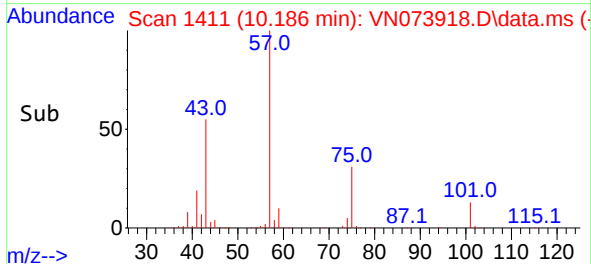
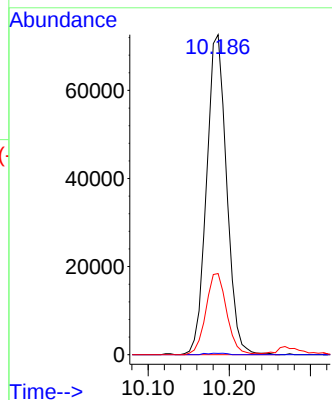
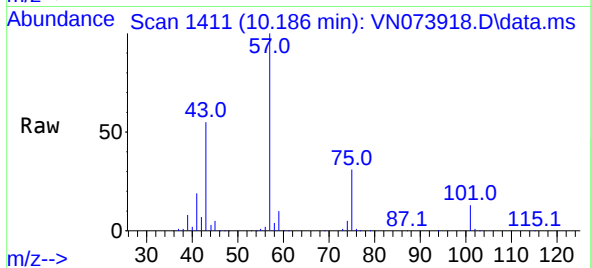




#54
cis-1,3-Dichloropropene
Concen: 13.123 ug/l
RT: 10.186 min Scan# 14
Delta R.T. 0.059 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

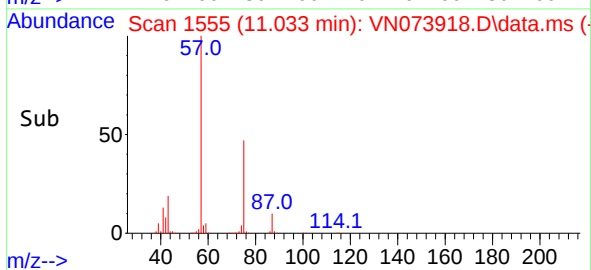
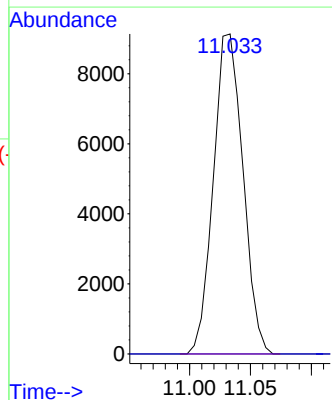
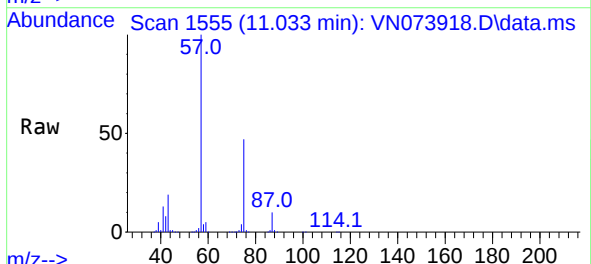
Instrument :
MSVOA_N
ClientSampleId :
S4

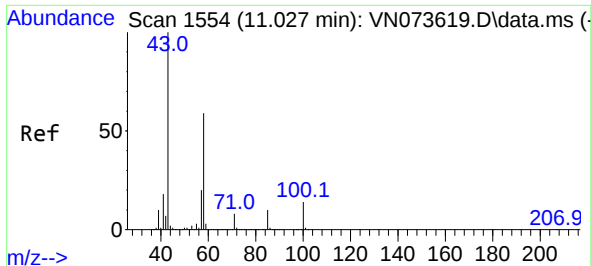
Tgt Ion: 75 Resp: 124559
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 25.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 1.499 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.047 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 76 Resp: 15429
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

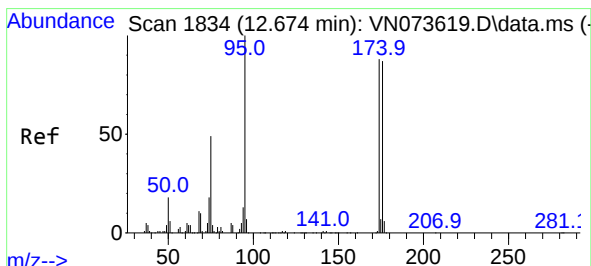
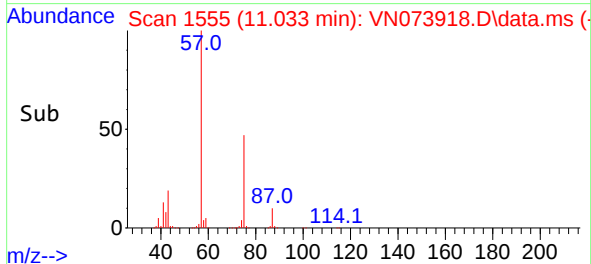
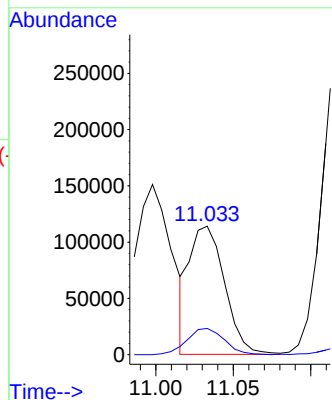
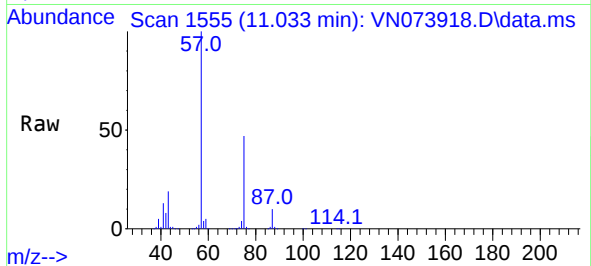




#59
2-Hexanone
Concen: 26.600 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

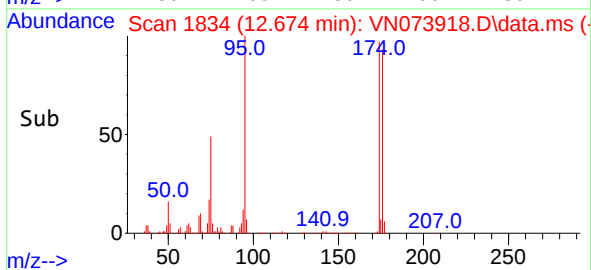
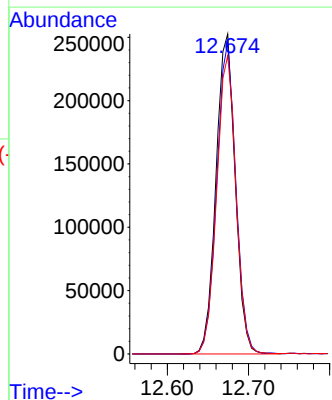
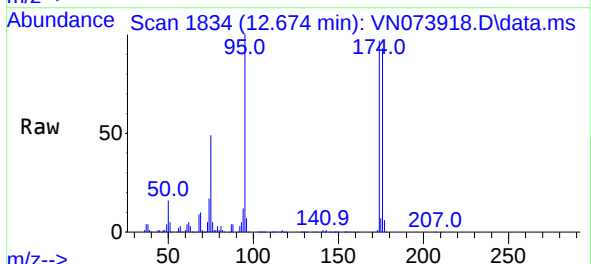
Instrument :
MSVOA_N
ClientSampleId :
S4

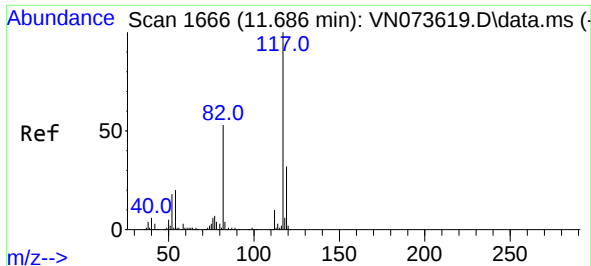
Tgt Ion: 43 Resp: 179640
Ion Ratio Lower Upper
43 100
58 21.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.600 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion: 95 Resp: 414775
Ion Ratio Lower Upper
95 100
174 97.1 0.0 167.6
176 93.9 0.0 163.4

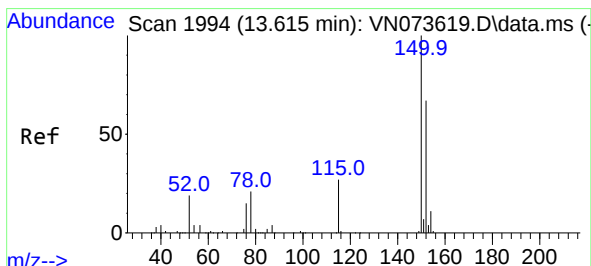
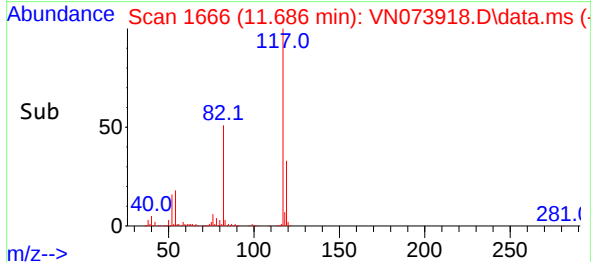
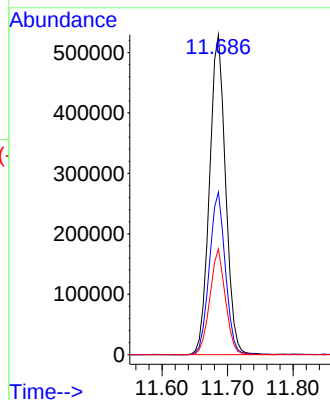
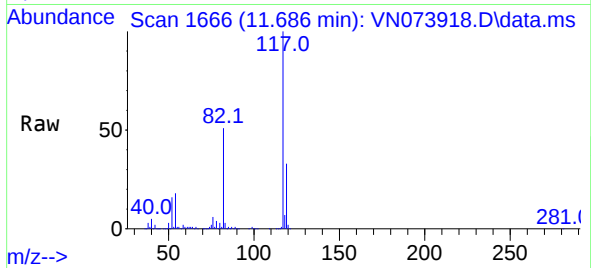




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

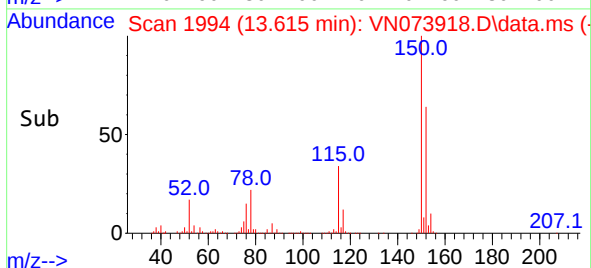
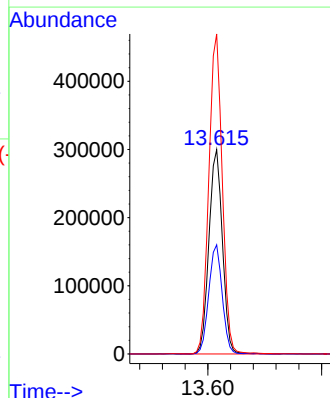
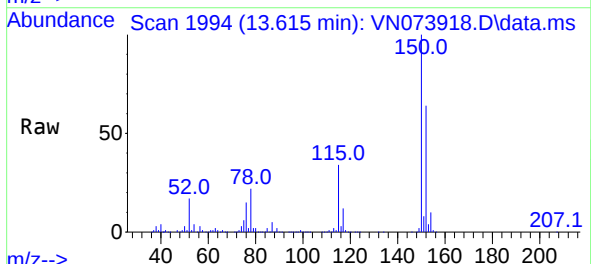
Instrument :
MSVOA_N
ClientSampleId :
S4

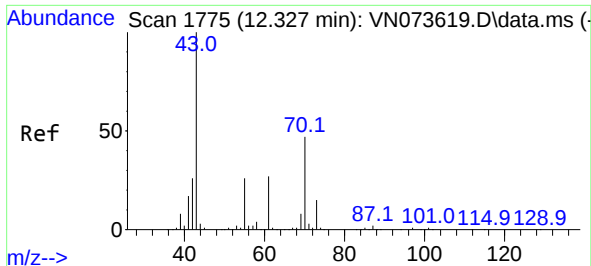
Tgt Ion:117 Resp: 903828
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

Tgt Ion:152 Resp: 492664
Ion Ratio Lower Upper
152 100
115 53.2 28.9 86.7
150 156.0 0.0 356.2

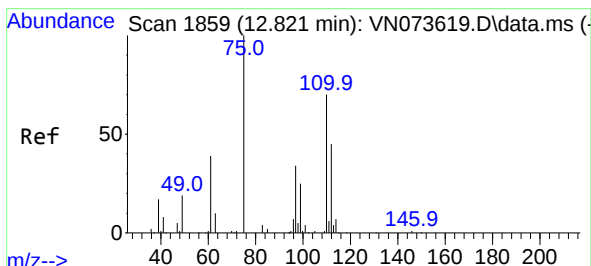
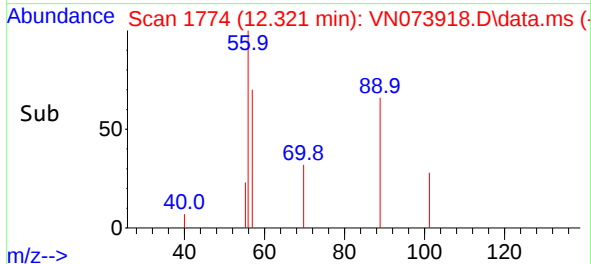
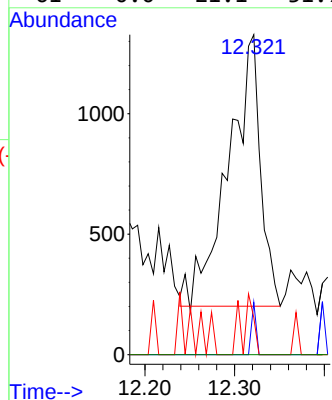
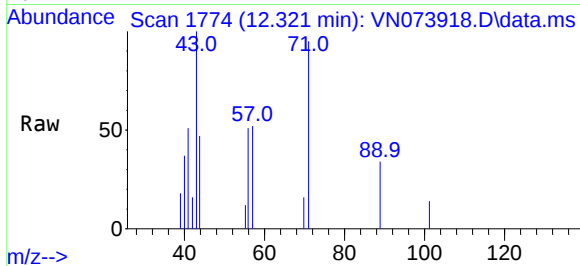




#74
N-amy1 acetate
Concen: 0.207 ug/l
RT: 12.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

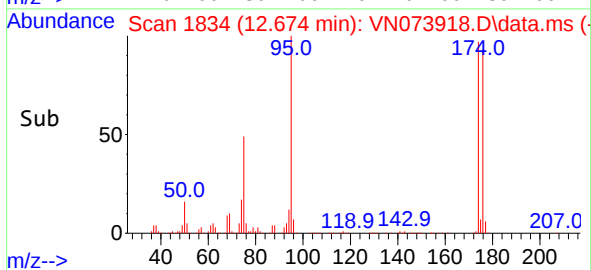
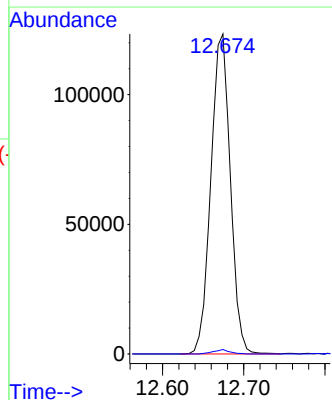
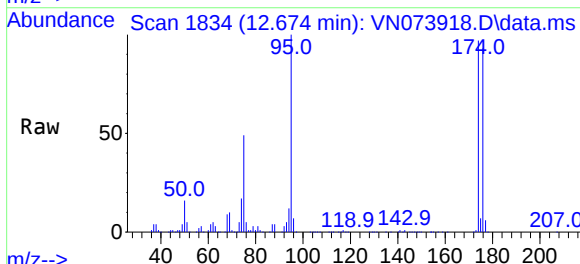
Instrument :
MSVOA_N
ClientSampleId :
S4

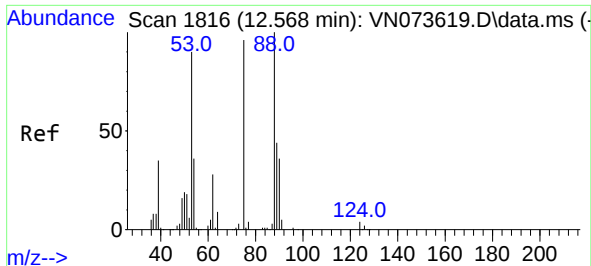
Tgt Ion:	43	Resp:	2806
Ion	Ratio	Lower	Upper
43	100		
70	2.7	39.0	58.4#
55	7.9	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.054 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073918.D
Acq: 16 Aug 2022 01:18

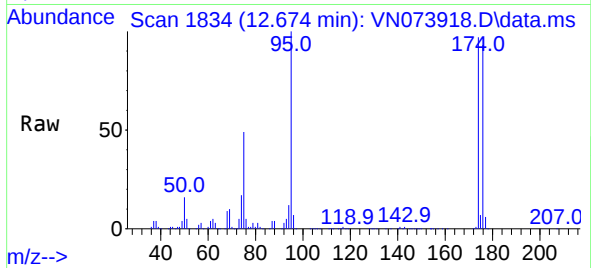
Tgt Ion:	75	Resp:	205350
Ion	Ratio	Lower	Upper
75	100		
77	1.1	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.037 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073918.D
 Acq: 16 Aug 2022 01:18

Instrument :
 MSVOA_N
 ClientSampleId :
 S4



Tgt Ion: 75 Resp: 205350
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

