

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073928.D
 Acq On : 16 Aug 2022 05:22
 Operator : JC\MD
 Sample : N4200-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S9

Quant Time: Aug 16 07:16:56 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)

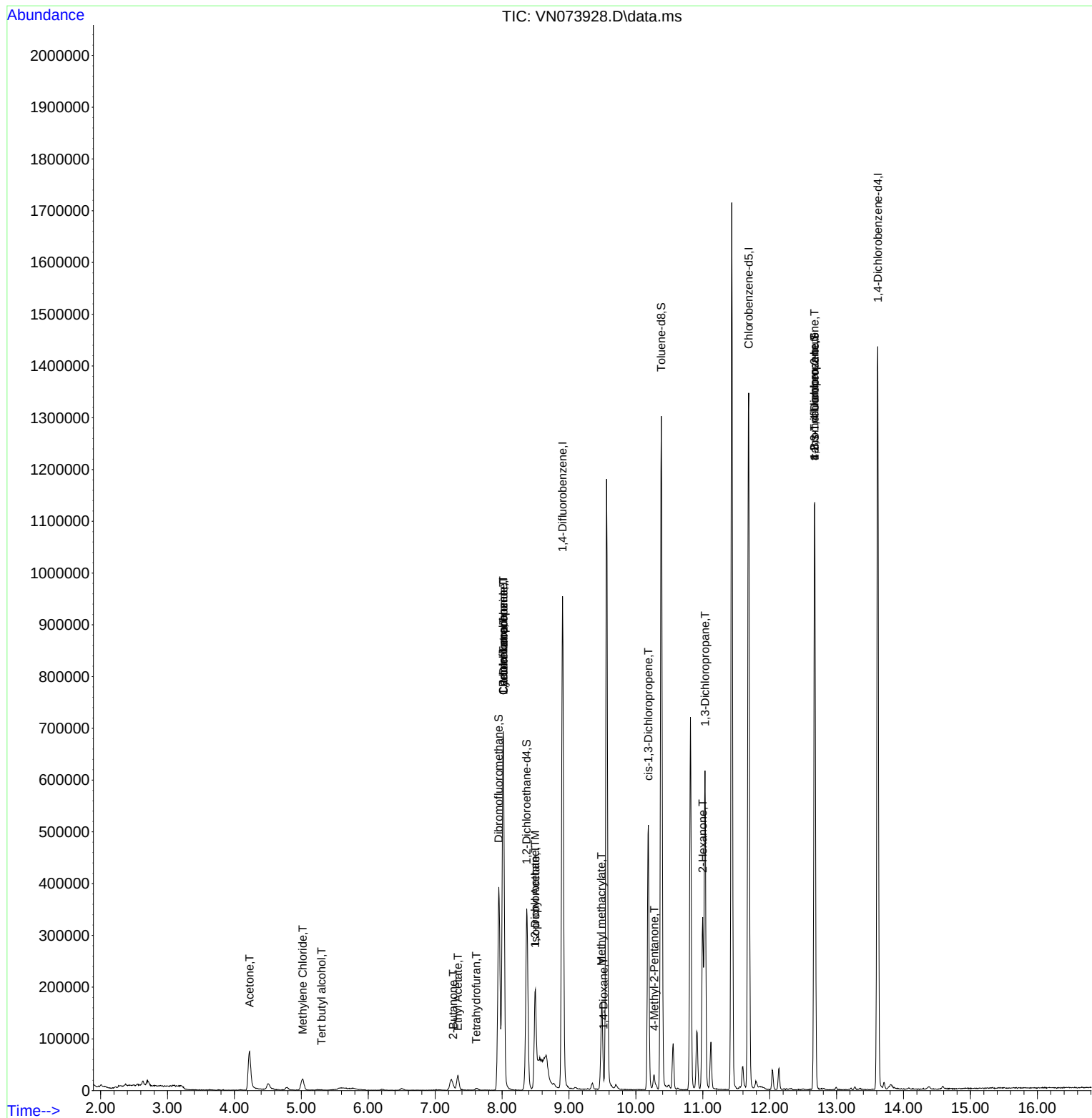
Internal Standards						
1) Pentafluorobenzene	8.016	168	608302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	891290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	847358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	431908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	291906	49.268	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.540%
35) Dibromofluoromethane	7.951	113	282104	53.520	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.040%
50) Toluene-d8	10.380	98	946030	46.342	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.668	95	379033	55.945	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.304	59	1005	0.758	ug/l #	72
16) Acetone	4.228	43	138388	49.508	ug/l	98
18) Methyl Acetate	4.775	43	11061	Below Cal		97
20) Methylene Chloride	5.022	84	19264	3.266	ug/l	91
25) 2-Butanone	7.269	43	15247	3.440	ug/l	96
29) Tetrahydrofuran	7.616	42	3209	1.129	ug/l #	65
31) Cyclohexane	8.022	56	9719	1.177	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	37110	5.069	ug/l #	50
37) Ethyl Acetate	7.339	43	43605	4.916	ug/l	99
38) Carbon Tetrachloride	8.022	117	51936	6.206	ug/l #	16
42) 1,2-Dichloroethane	8.492	62	1892	0.238	ug/l #	74
43) Isopropyl Acetate	8.498	43	236872	18.747	ug/l #	90
48) Methyl methacrylate	9.486	41	8047	1.488	ug/l #	36
49) 1,4-Dioxane	9.516	88	54	0.336	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	23661	2.770	ug/l #	85
54) cis-1,3-Dichloropropene	10.186	75	99796	10.800	ug/l #	62
57) 1,3-Dichloropropane	11.033	76	6763	0.675	ug/l #	42
59) 2-Hexanone	10.998	43	258937	39.384	ug/l #	21
76) 1,2,3-Trichloropropane	12.668	75	187853	20.926	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	187853	59.516	ug/l #	10

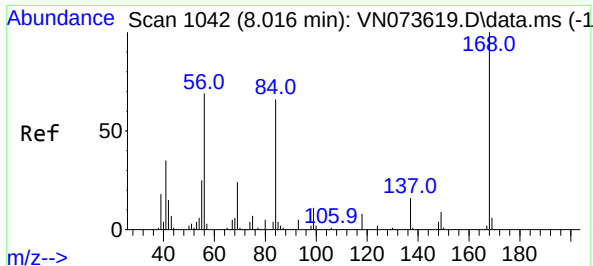
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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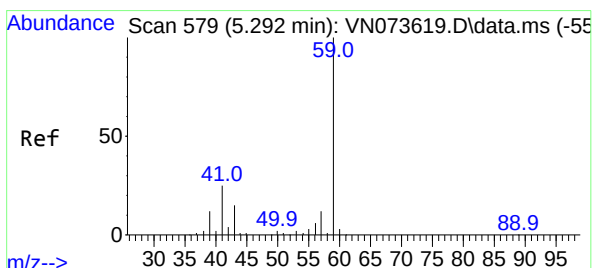
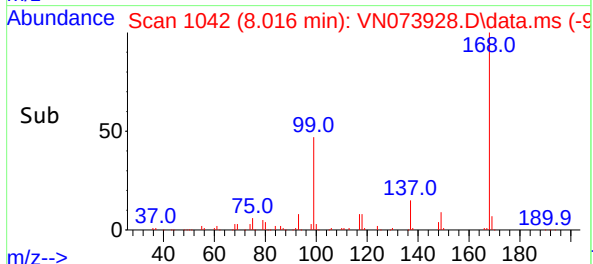
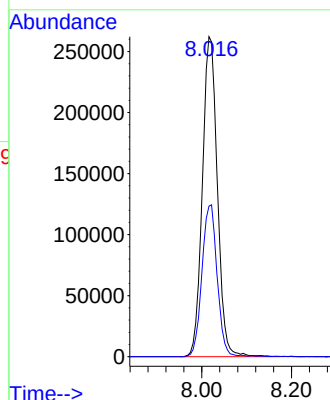
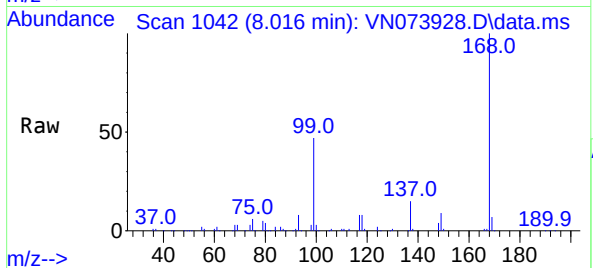




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

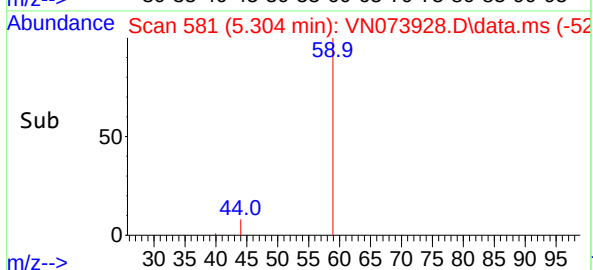
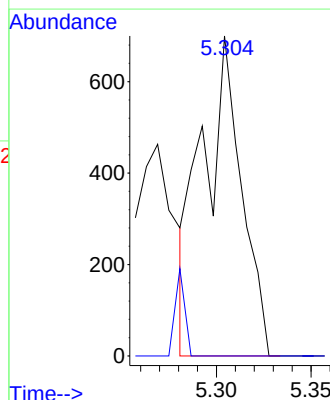
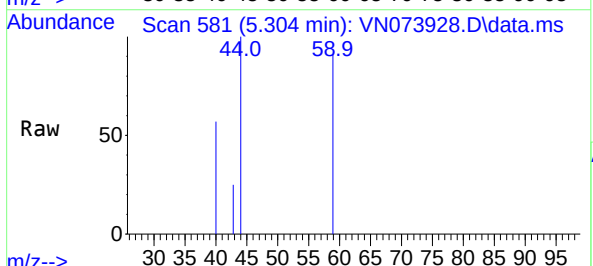
Instrument :
MSVOA_N
ClientSampleId :
S9

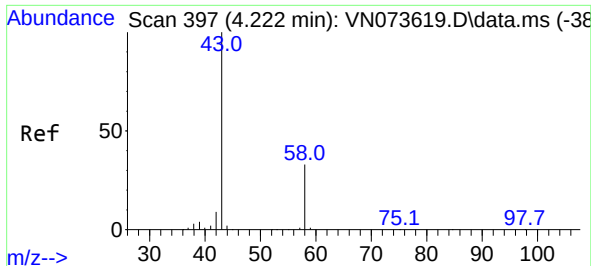
Tgt Ion:168 Resp: 608302
Ion Ratio Lower Upper
168 100
99 47.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.758 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 59 Resp: 1005
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

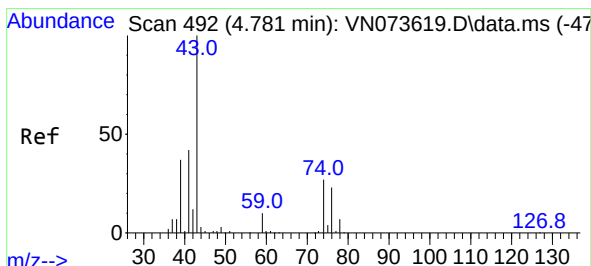
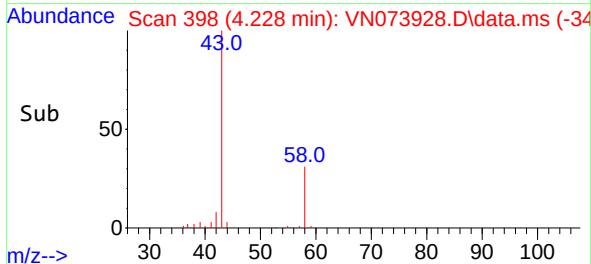
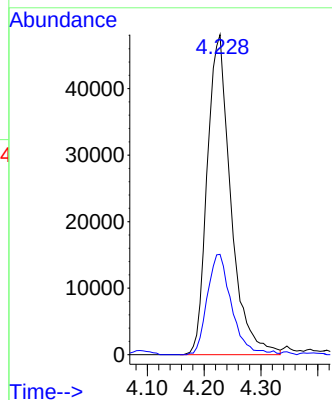
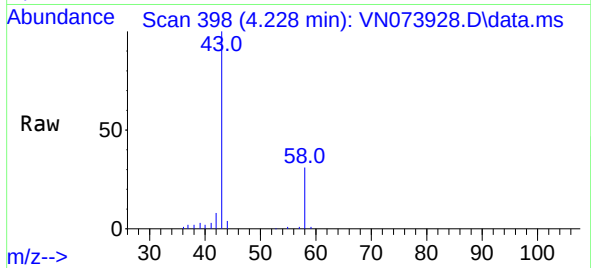




#16
Acetone
Concen: 49.508 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

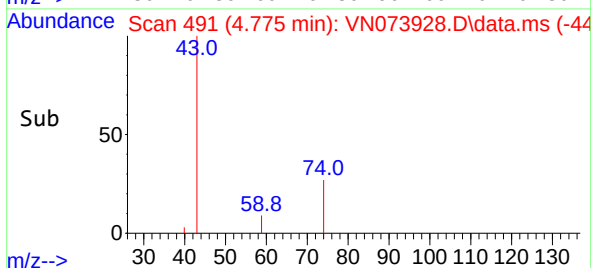
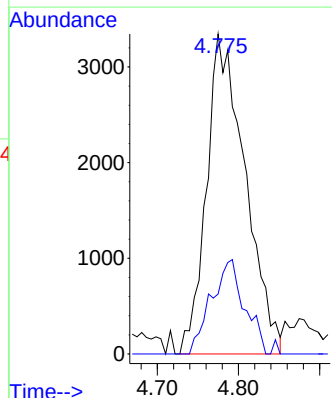
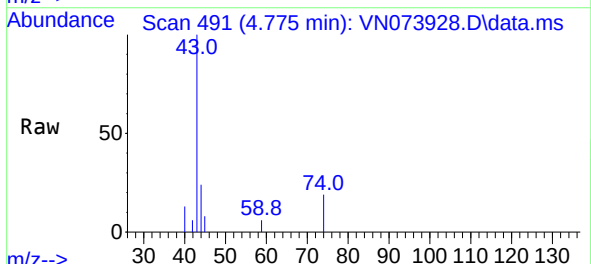
Instrument :
MSVOA_N
ClientSampleId :
S9

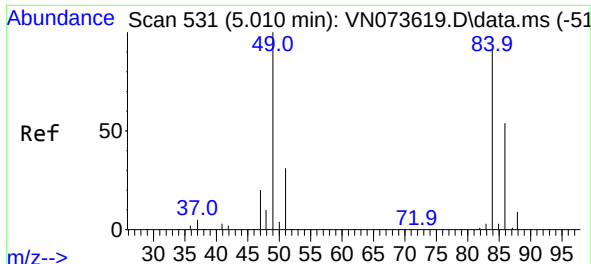
Tgt Ion: 43 Resp: 138388
Ion Ratio Lower Upper
43 100
58 31.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 43 Resp: 11061
Ion Ratio Lower Upper
43 100
74 25.3 21.6 32.4

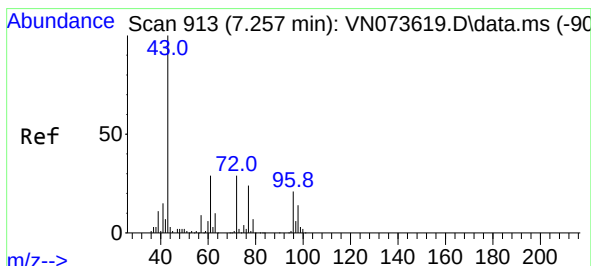
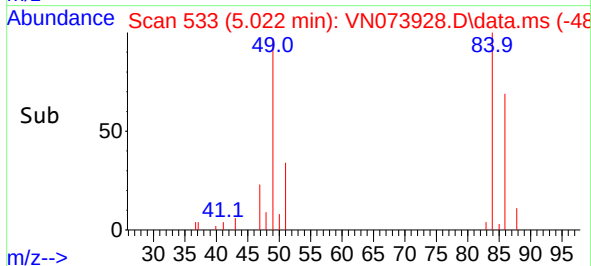
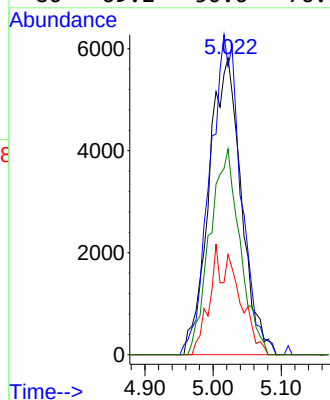
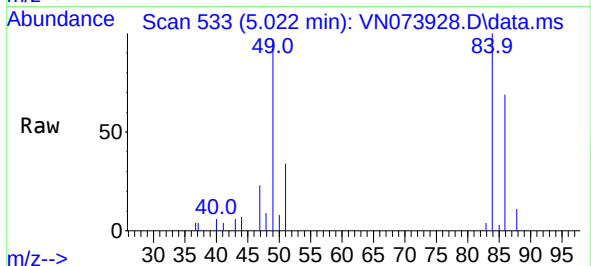




#20
Methylene Chloride
Concen: 3.266 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

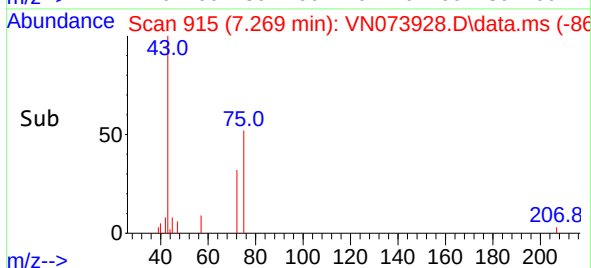
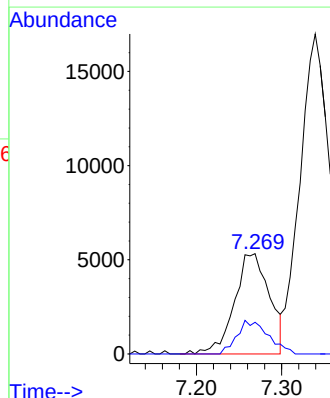
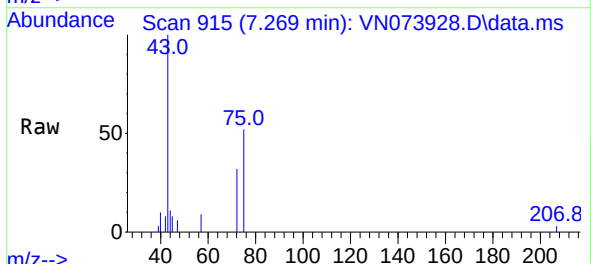
Instrument :
MSVOA_N
ClientSampleId :
S9

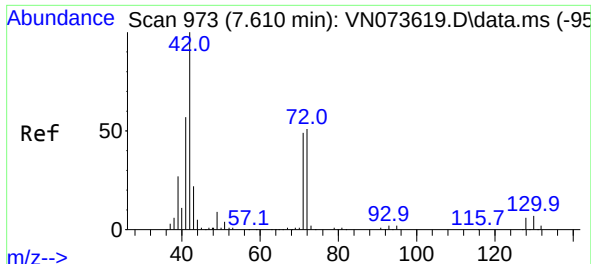
Tgt Ion:	84	Resp:	19264
Ion	Ratio	Lower	Upper
84	100		
49	97.2	88.3	132.5
51	33.8	28.2	42.2
86	69.2	50.6	76.0



#25
2-Butanone
Concen: 3.440 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion:	43	Resp:	15247
Ion	Ratio	Lower	Upper
43	100		
72	31.6	23.7	35.5

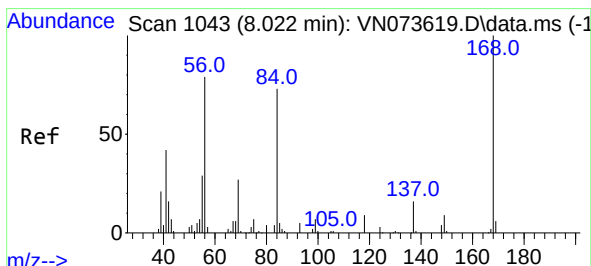
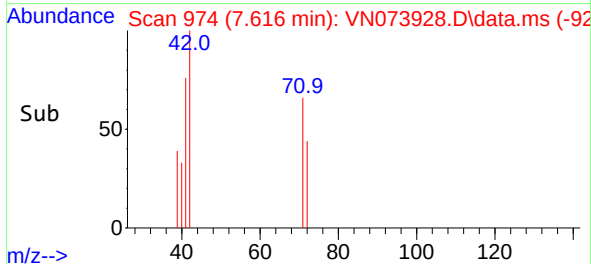
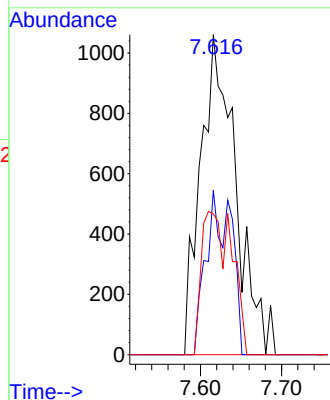
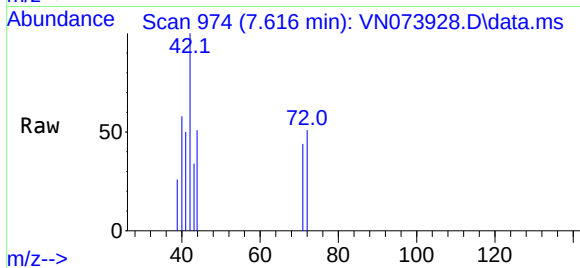




#29
Tetrahydrofuran
Concen: 1.129 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

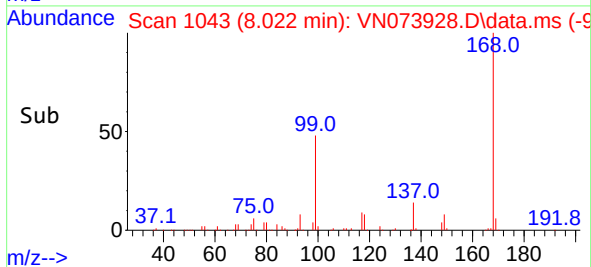
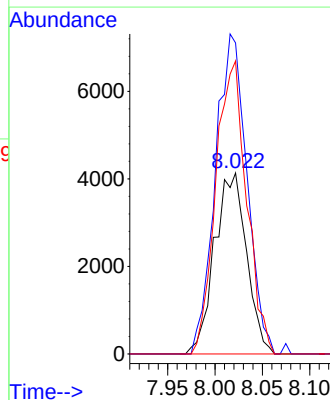
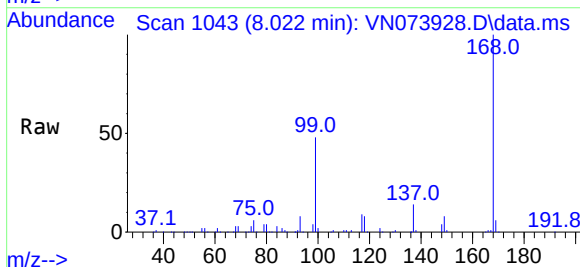
Instrument :
MSVOA_N
ClientSampleId :
S9

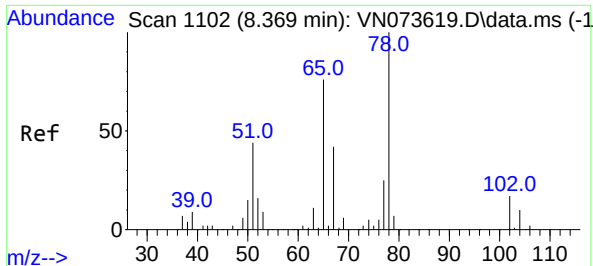
Tgt Ion: 42 Resp: 3209
Ion Ratio Lower Upper
42 100
72 23.2 39.7 59.5#
71 25.4 36.6 55.0#



#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 56 Resp: 9719
Ion Ratio Lower Upper
56 100
69 171.9 27.8 41.8#
84 161.9 76.9 115.3#

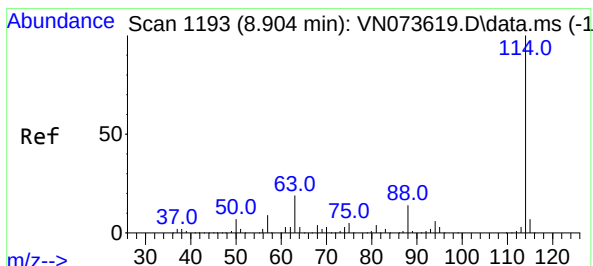
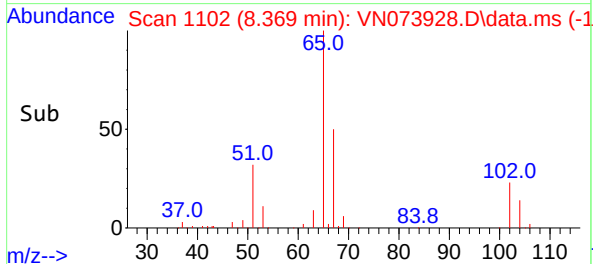
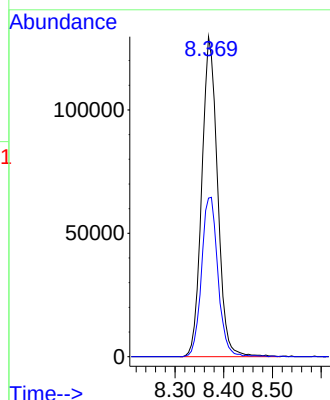
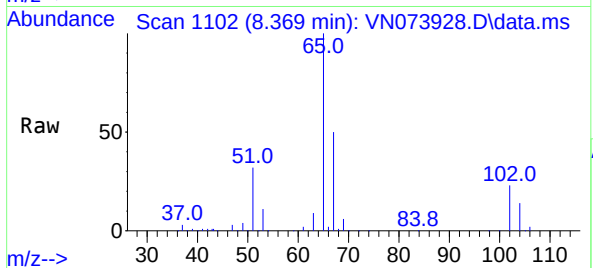




#33
1,2-Dichloroethane-d4
Concen: 49.268 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

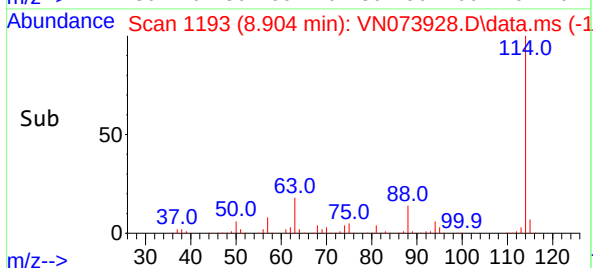
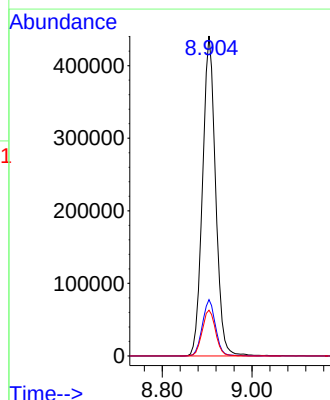
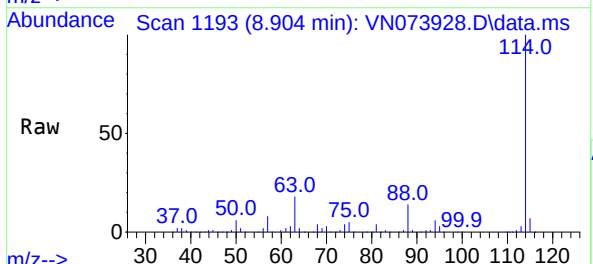
Instrument :
MSVOA_N
ClientSampleId :
S9

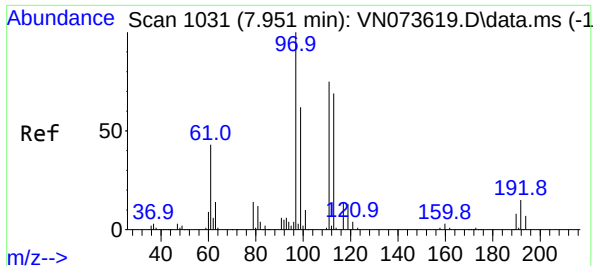
Tgt Ion: 65 Resp: 291906
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 114 Resp: 891290
Ion Ratio Lower Upper
114 100
63 17.6 0.0 40.0
88 14.3 0.0 32.6

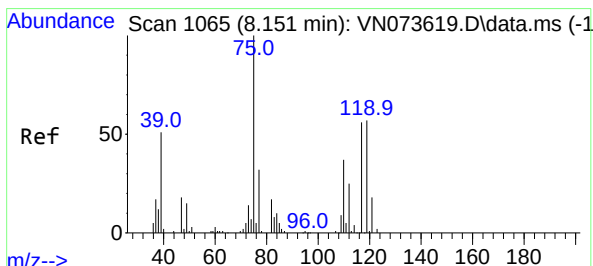
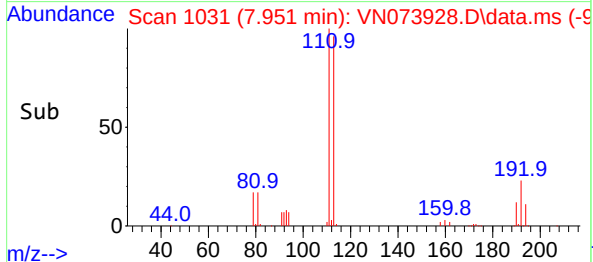
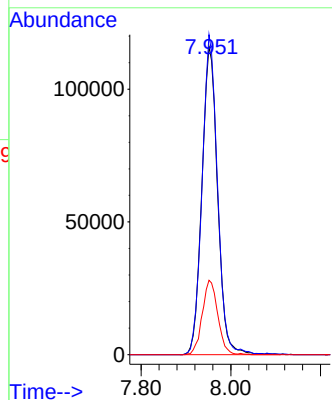
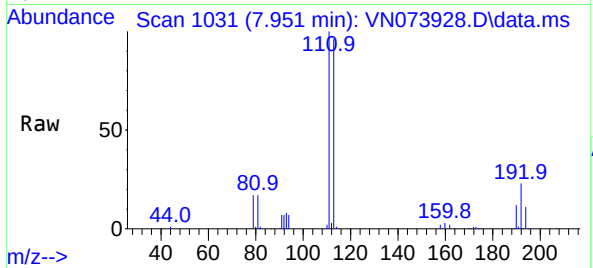




#35
Dibromofluoromethane
Concen: 53.520 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

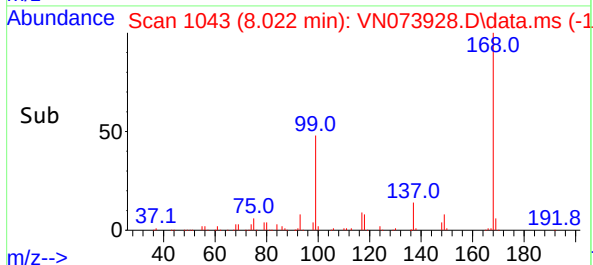
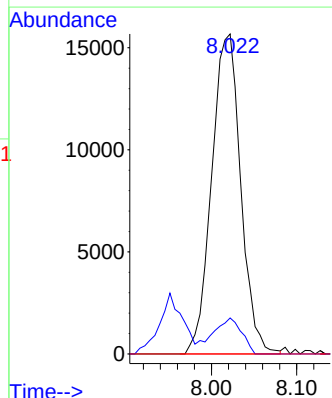
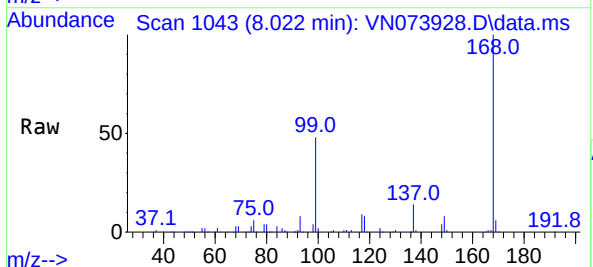
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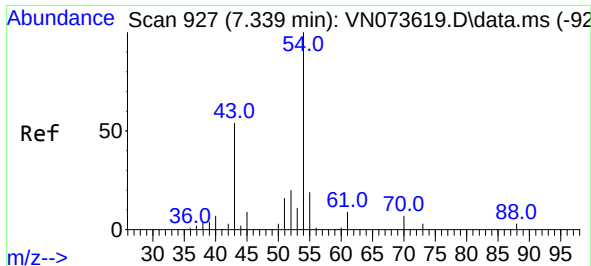
Tgt Ion:113 Resp: 282104
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 23.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.069 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 75 Resp: 37110
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 25.1 37.7#

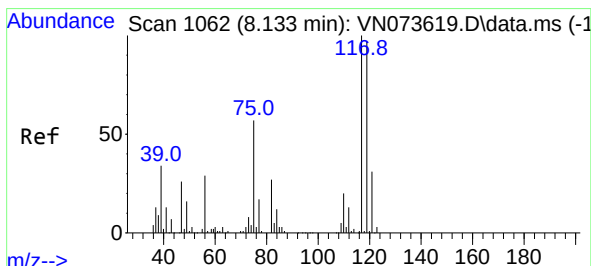
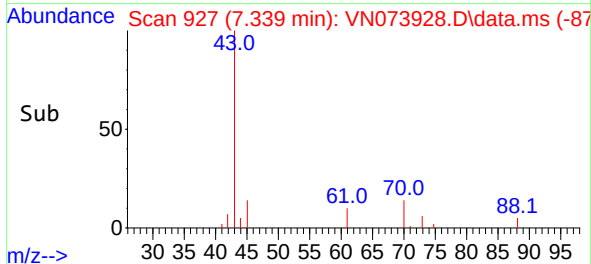
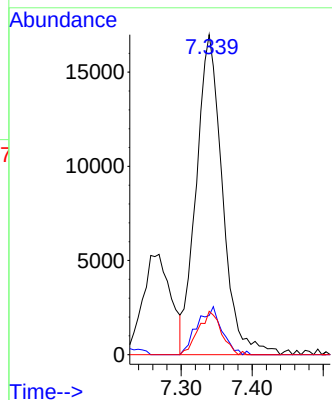
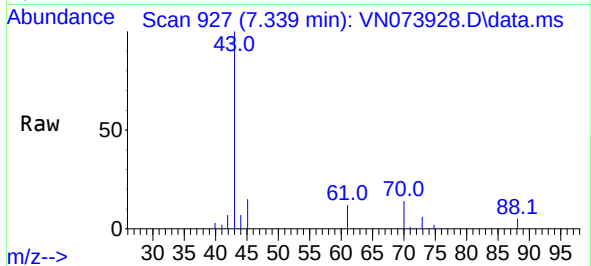




#37
Ethyl Acetate
Concen: 4.916 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

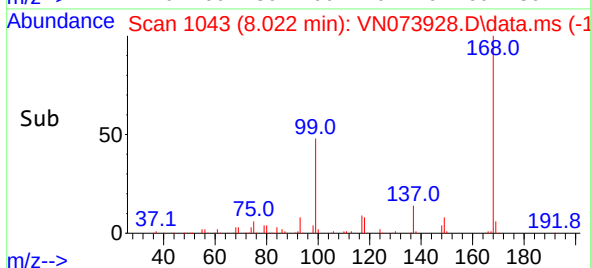
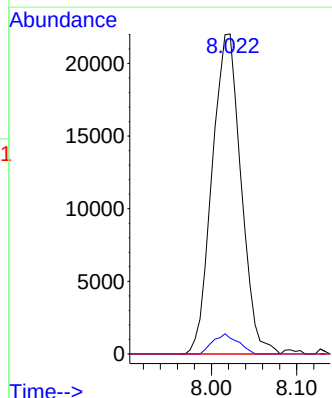
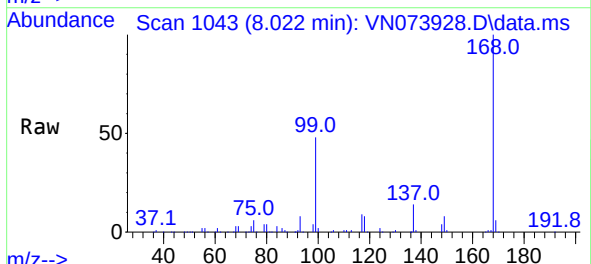
Instrument :
MSVOA_N
ClientSampleId :
S9

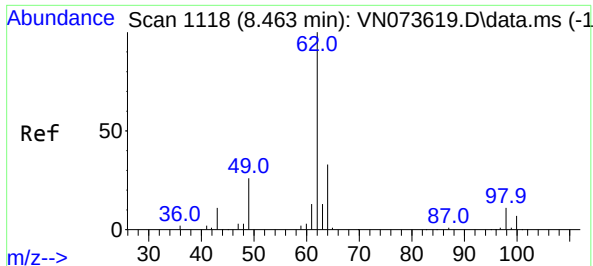
Tgt Ion:	43	Resp:	43605
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.6
70	11.9	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.206 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion:	117	Resp:	51936
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.8#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.238 ug/l

RT: 8.492 min Scan# 1118

Delta R.T. 0.029 min

Lab File: VN073928.D

Acq: 16 Aug 2022 05:22

Instrument :

MSVOA_N

ClientSampleId :

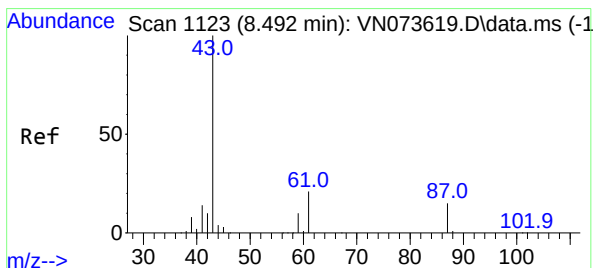
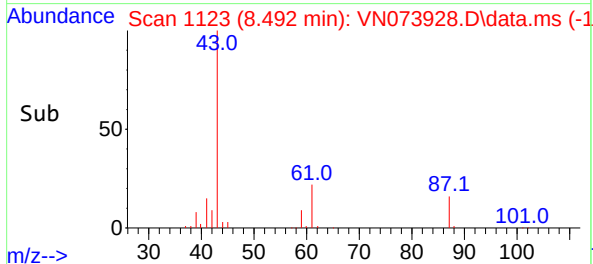
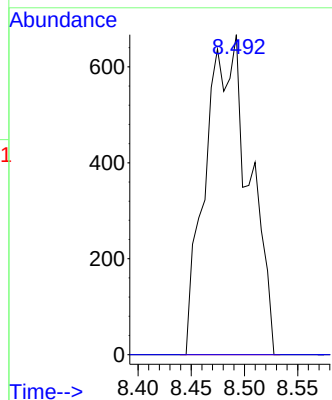
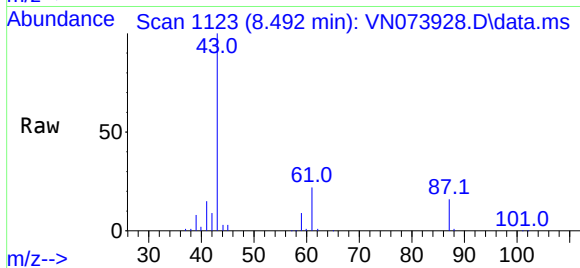
S9

Tgt Ion: 62 Resp: 1892

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 18.747 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073928.D

Acq: 16 Aug 2022 05:22

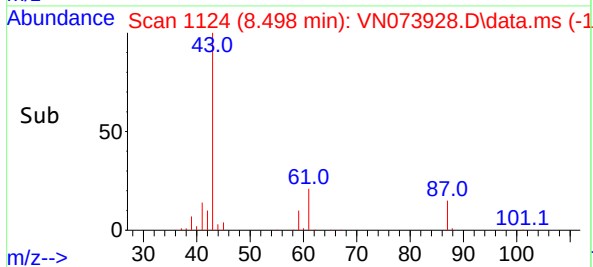
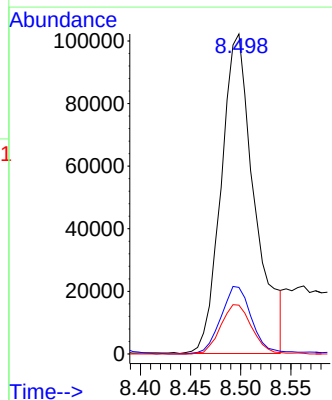
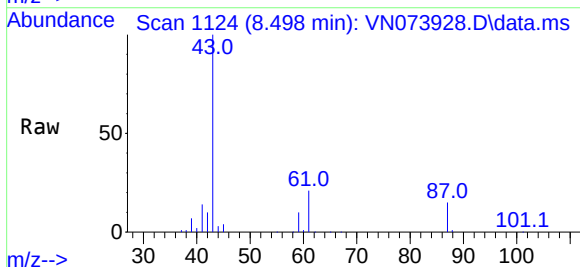
Tgt Ion: 43 Resp: 236872

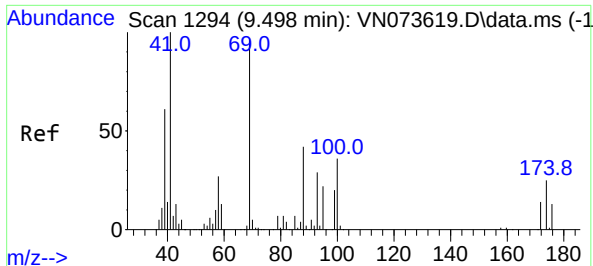
Ion Ratio Lower Upper

43 100

61 19.9 21.9 32.9#

87 14.4 12.0 18.0

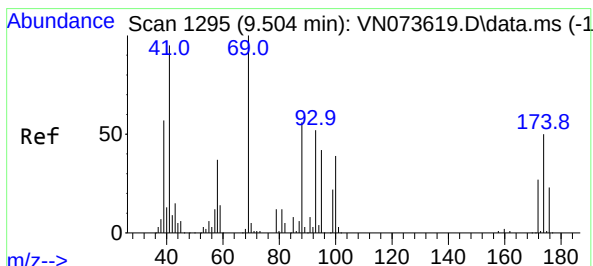
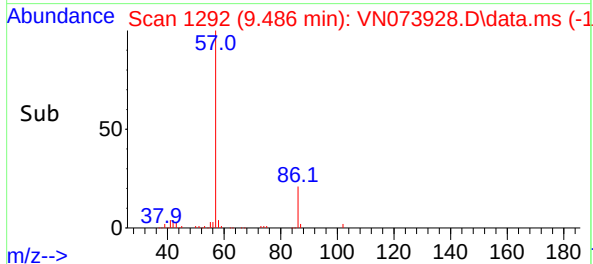
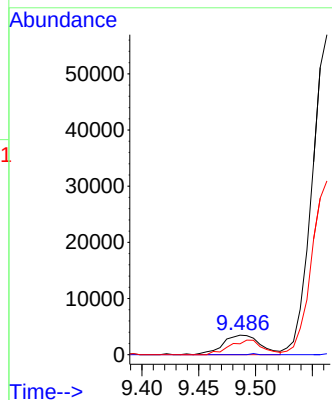
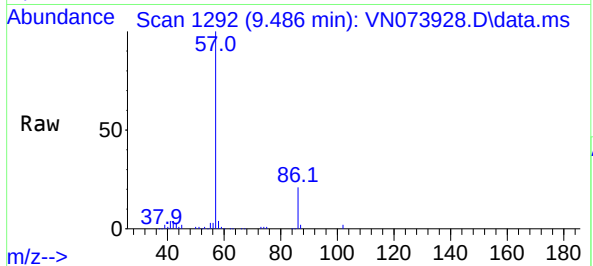




#48
Methyl methacrylate
Concen: 1.488 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

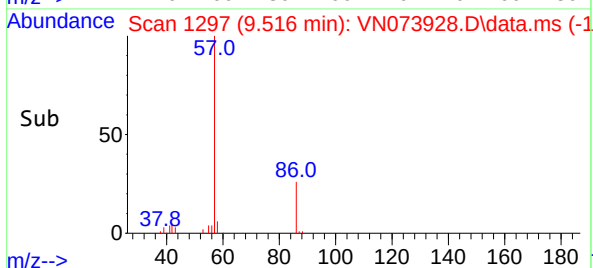
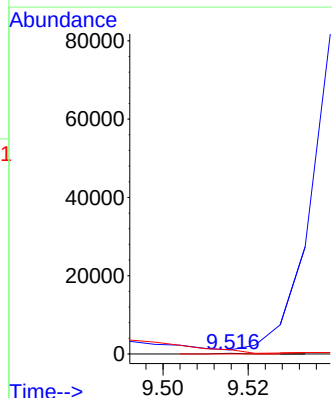
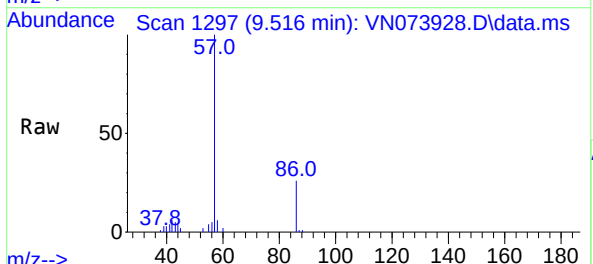
Instrument :
MSVOA_N
ClientSampleId :
S9

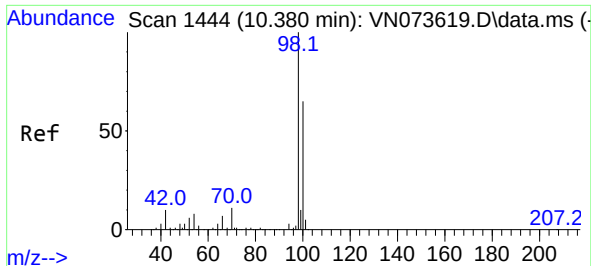
Tgt Ion: 41 Resp: 8047
Ion Ratio Lower Upper
41 100
69 0.9 74.7 112.1#
39 64.8 45.6 68.4



#49
1,4-Dioxane
Concen: 0.336 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

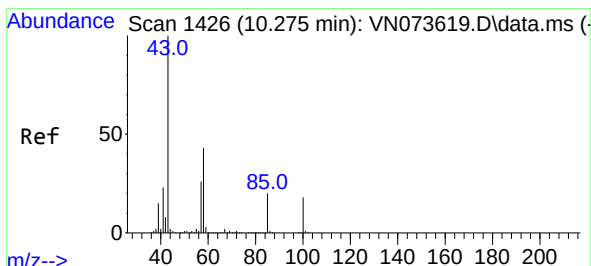
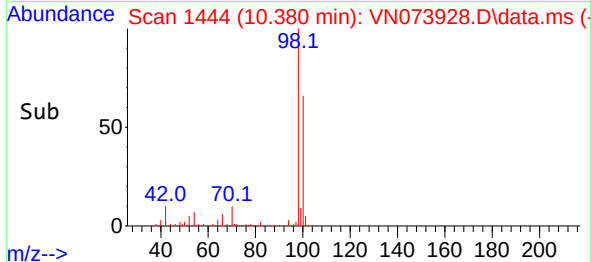
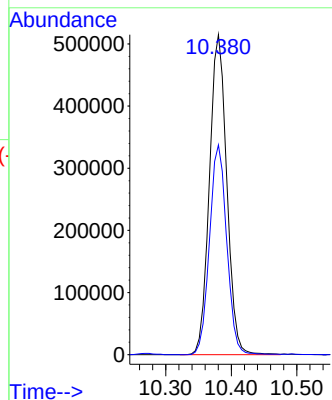
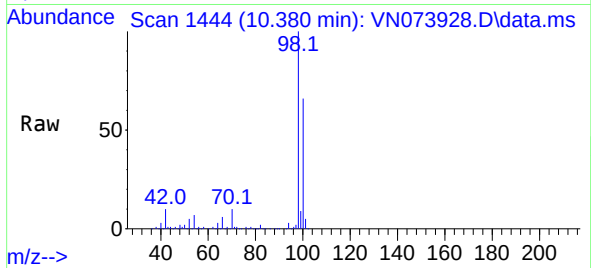




#50
Toluene-d8
Concen: 46.342 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

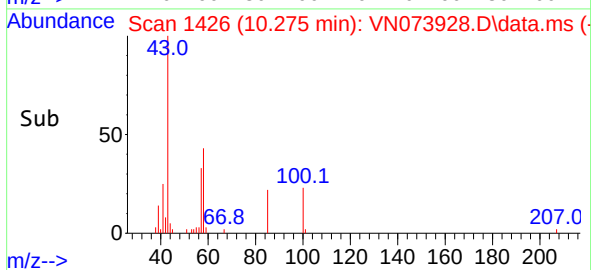
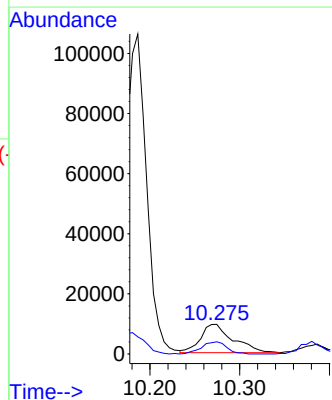
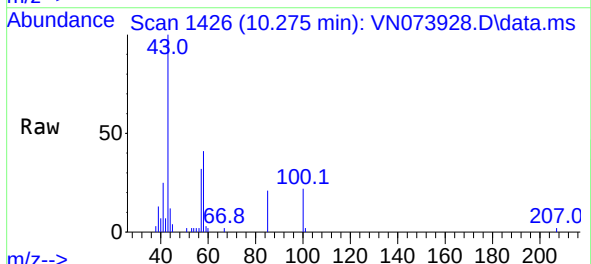
Instrument :
MSVOA_N
ClientSampleId :
S9

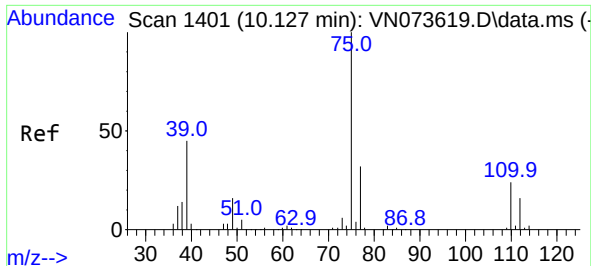
Tgt Ion: 98 Resp: 946030
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 2.770 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 43 Resp: 23661
Ion Ratio Lower Upper
43 100
58 33.3 34.1 51.1#

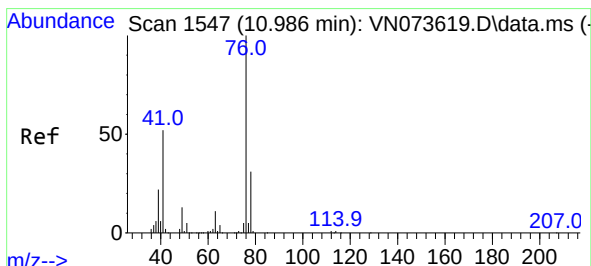
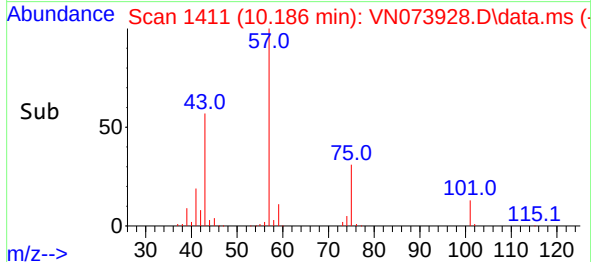
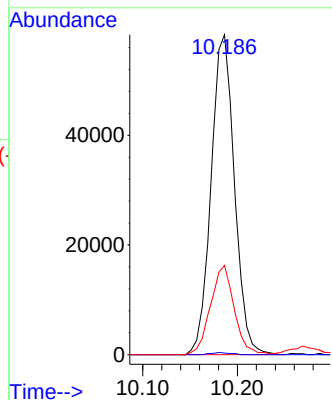
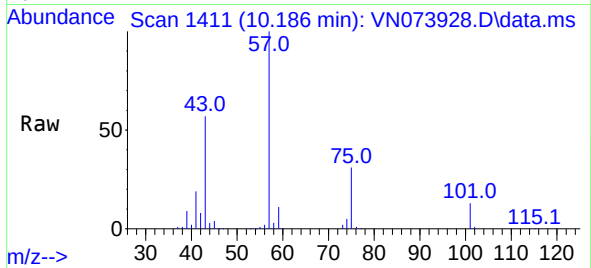




#54
 cis-1,3-Dichloropropene
 Concen: 10.800 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073928.D
 Acq: 16 Aug 2022 05:22

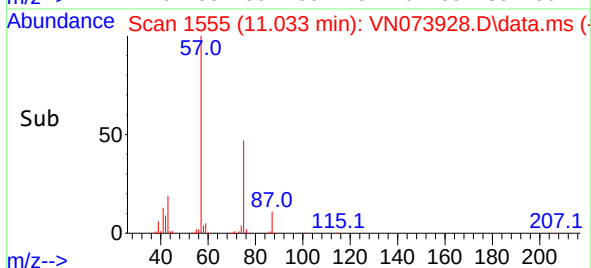
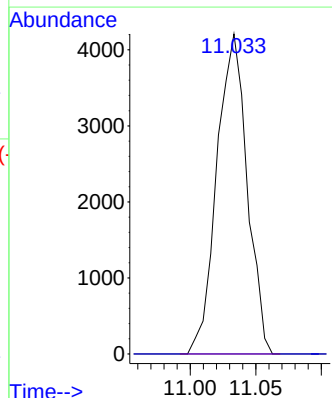
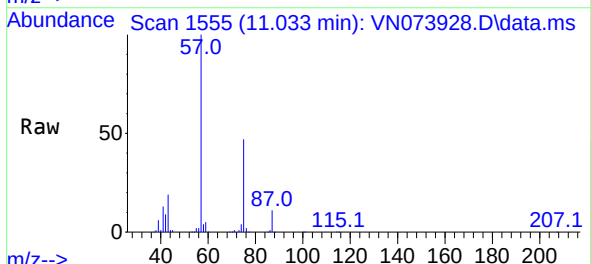
Instrument :
 MSVOA_N
 ClientSampleId :
 S9

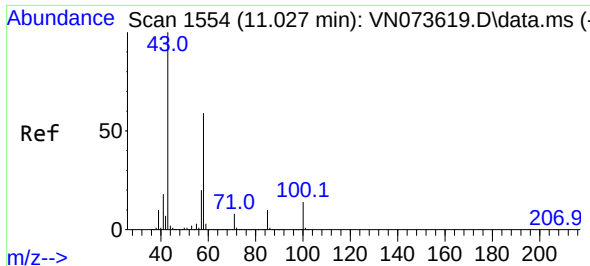
Tgt Ion: 75 Resp: 99796
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 27.9 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 0.675 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073928.D
 Acq: 16 Aug 2022 05:22

Tgt Ion: 76 Resp: 6763
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

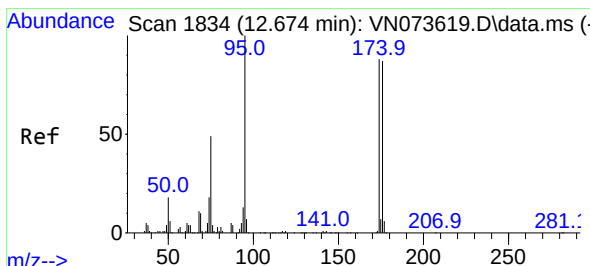
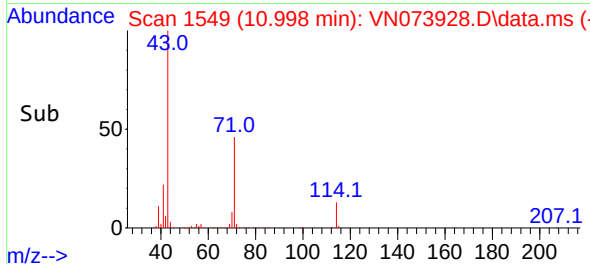
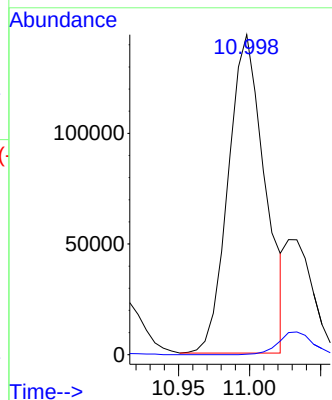
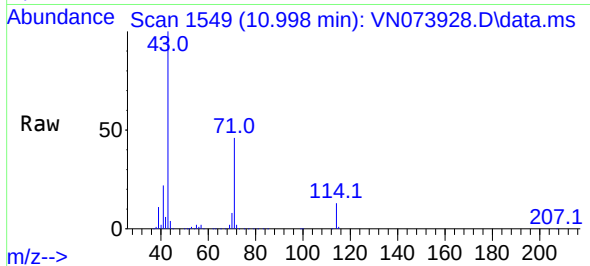




#59
2-Hexanone
Concen: 39.384 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.029 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

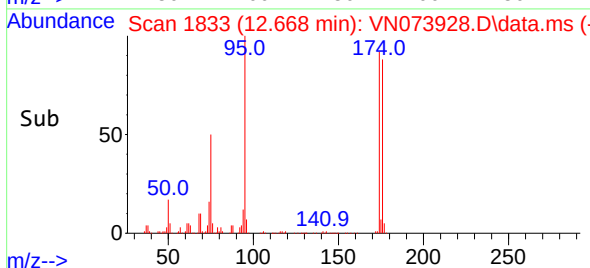
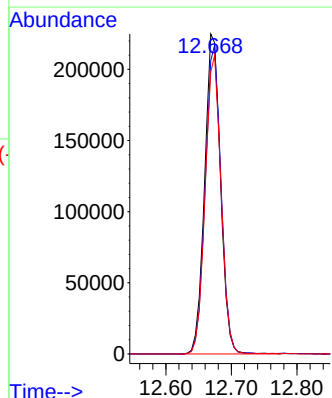
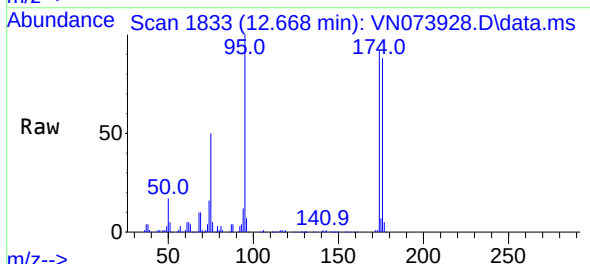
Instrument :
MSVOA_N
ClientSampleId :
S9

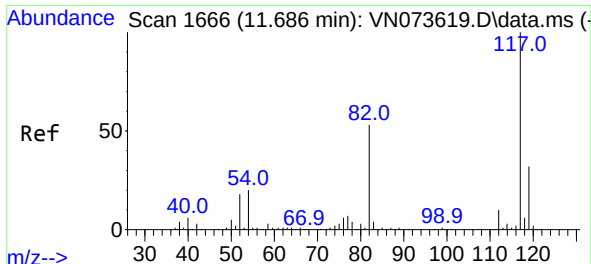
Tgt Ion: 43 Resp: 258937
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.945 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 95 Resp: 379033
Ion Ratio Lower Upper
95 100
174 96.0 0.0 167.6
176 92.8 0.0 163.4

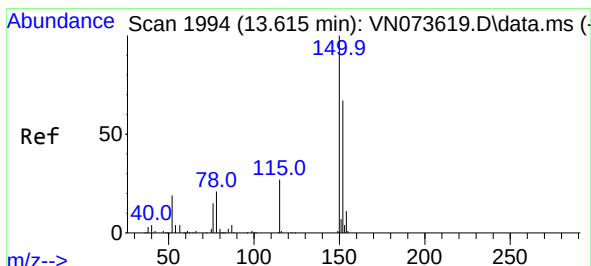
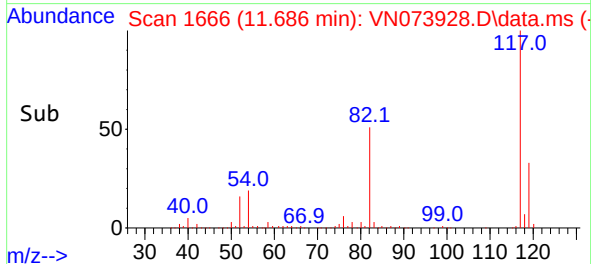
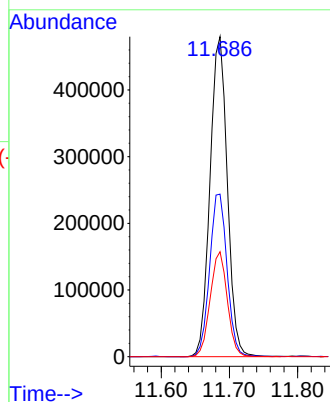
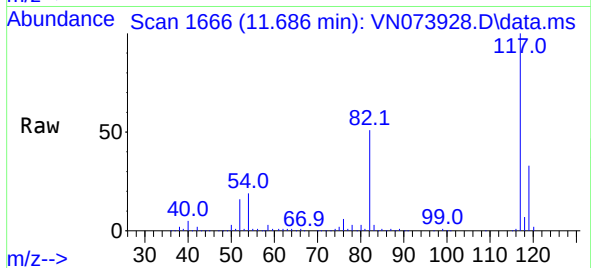




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

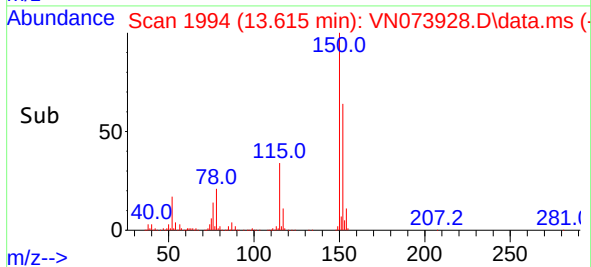
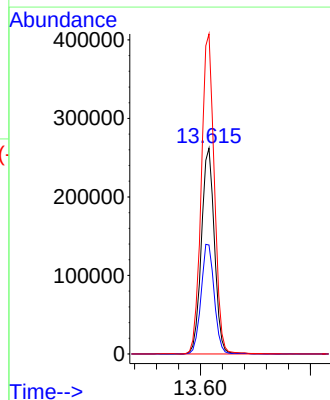
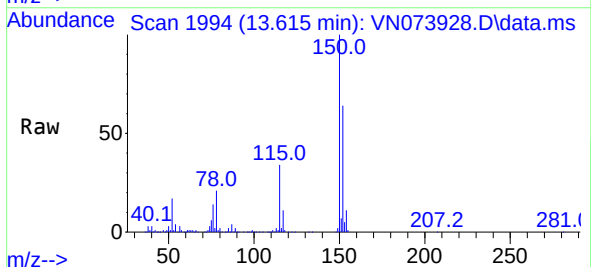
Instrument :
MSVOA_N
ClientSampleId :
S9

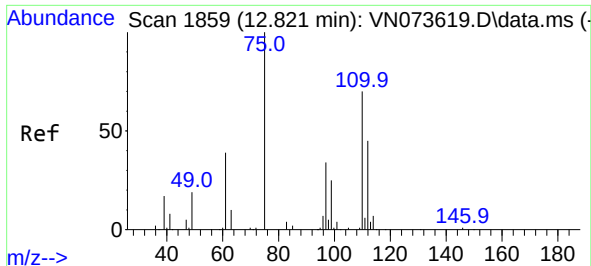
Tgt Ion:117 Resp: 847358
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion:152 Resp: 431908
Ion Ratio Lower Upper
152 100
115 53.9 28.9 86.7
150 155.7 0.0 356.2

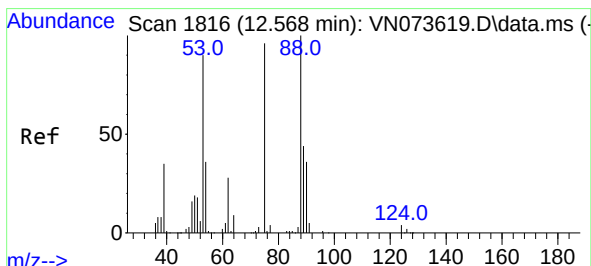
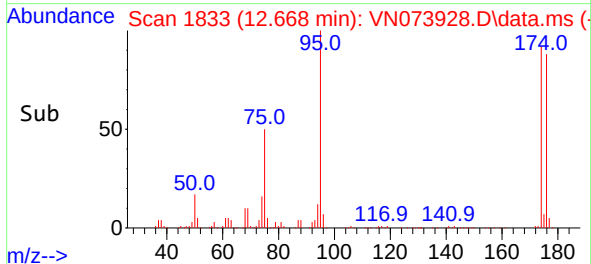
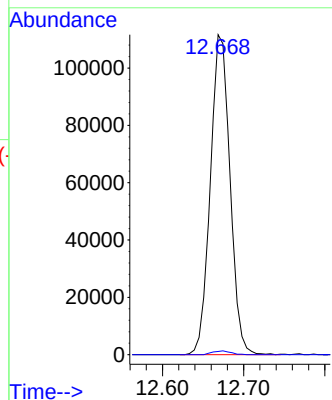
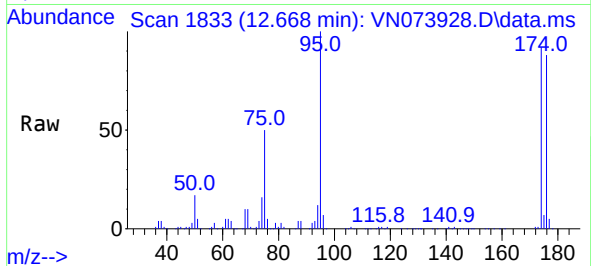




#76
1,2,3-Trichloropropane
Concen: 20.926 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Instrument :
MSVOA_N
ClientSampleId :
S9

Tgt Ion: 75 Resp: 187853
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.516 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073928.D
Acq: 16 Aug 2022 05:22

Tgt Ion: 75 Resp: 187853
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

