

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073323.D
 Acq On : 05 Jul 2022 18:25
 Operator : JC\MD
 Sample : PB146029TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 06 01:16:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

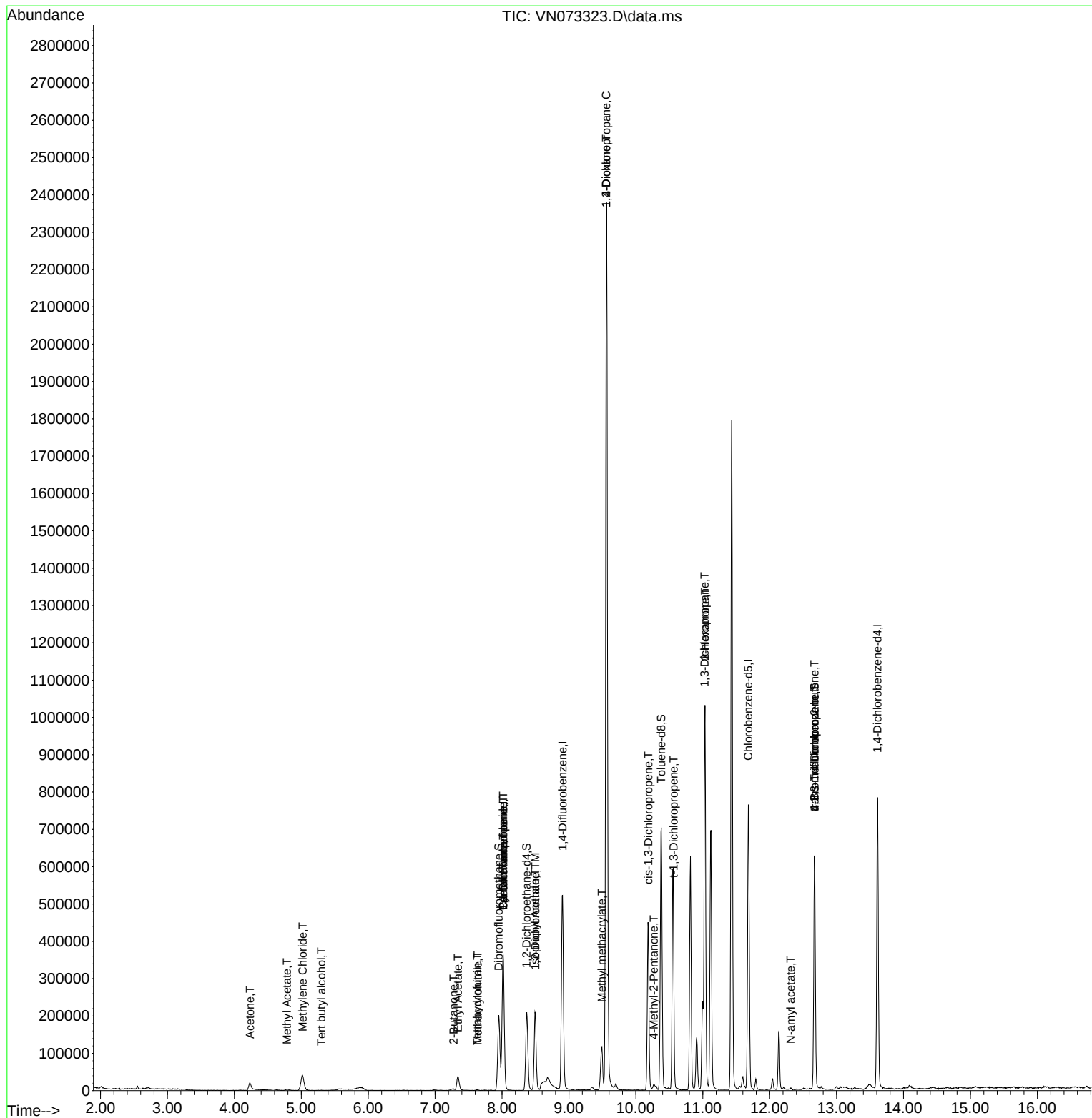
Internal Standards						
1) Pentafluorobenzene	8.016	168	273239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	462942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	431758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	209421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	173943	44.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.200%		
35) Dibromofluoromethane	7.951	113	146574	47.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	10.381	98	494115	45.169	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.340%		
62) 4-Bromofluorobenzene	12.669	95	218336	51.937	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.298	59	295	0.309	ug/l #	72
16) Acetone	4.234	43	36145	16.325	ug/l #	88
18) Methyl Acetate	4.787	43	7348	1.184	ug/l #	64
20) Methylene Chloride	5.022	84	33738	8.671	ug/l #	89
25) 2-Butanone	7.275	43	6981	1.980	ug/l	90
29) Tetrahydrofuran	7.628	42	1484	0.615	ug/l #	55
31) Cyclohexane	8.016	56	6690	1.036	ug/l #	27
36) 1,1-Dichloropropene	8.016	75	21926	4.626	ug/l #	43
37) Ethyl Acetate	7.340	43	62316	8.702	ug/l	95
38) Carbon Tetrachloride	8.016	117	29270	5.972	ug/l #	18
41) Methacrylonitrile	7.634	41	887	0.255	ug/l #	27
42) 1,2-Dichloroethane	8.498	62	1268	0.239	ug/l #	74
43) Isopropyl Acetate	8.492	43	245560	23.861	ug/l #	87
45) 1,2-Dichloropropane	9.557	63	2928	0.785	ug/l #	44
48) Methyl methacrylate	9.492	41	8427	1.769	ug/l #	39
49) 1,4-Dioxane	9.557	88	80	0.884	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	9455	1.449	ug/l	96
53) t-1,3-Dichloropropene	10.563	75	1641	0.304	ug/l #	1
54) cis-1,3-Dichloropropene	10.186	75	80061	13.741	ug/l #	61
57) 1,3-Dichloropropane	11.028	76	10330	1.619	ug/l #	43
59) 2-Hexanone	11.033	43	148922	29.935	ug/l #	46
74) N-amyl acetate	12.316	43	2228	0.246	ug/l #	45
76) 1,2,3-Trichloropropane	12.669	75	112090	20.470	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	112090	56.137	ug/l #	10

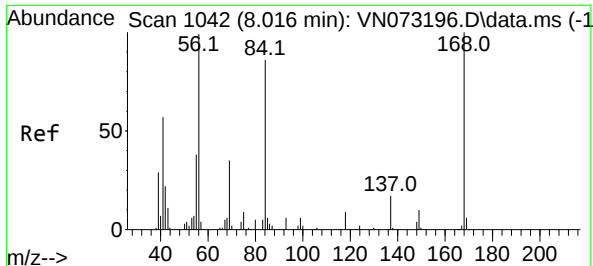
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

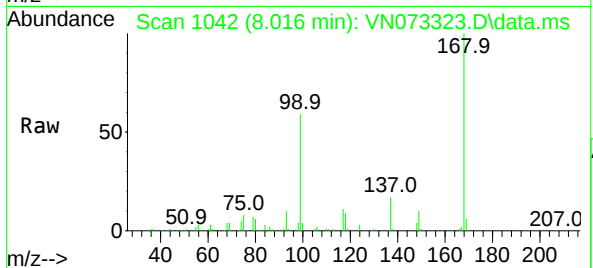
Quant Time: Jul 06 01:16:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration



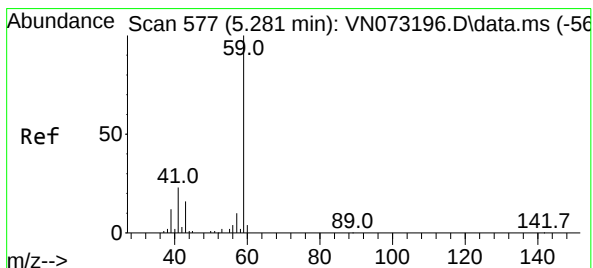
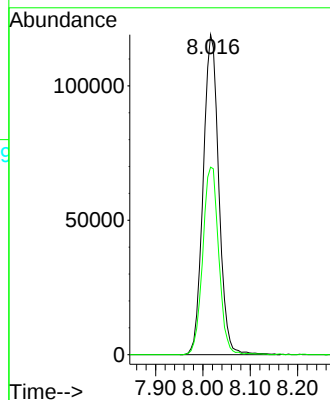
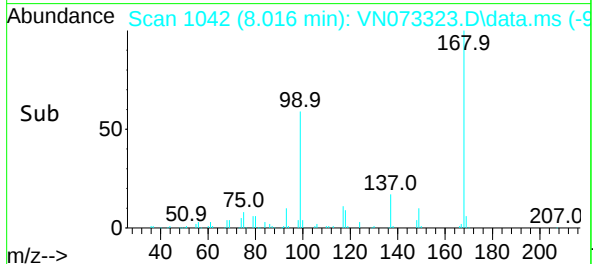


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Instrument :
MSVOA_N
ClientSampleId :

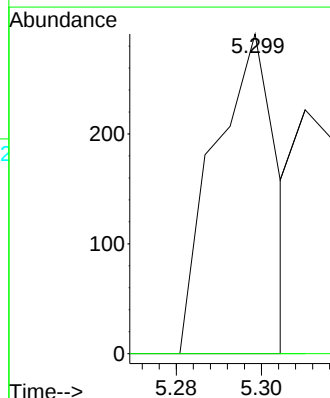
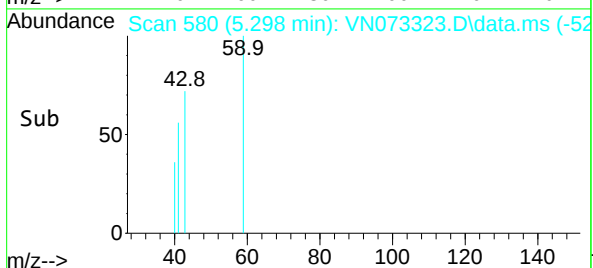
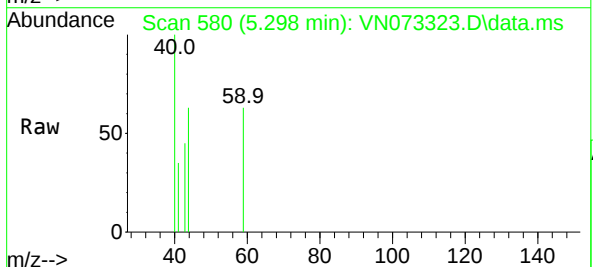


Tgt Ion:168 Resp: 273239
Ion Ratio Lower Upper
168 100
99 58.6 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.309 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.018 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Tgt Ion: 59 Resp: 295
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

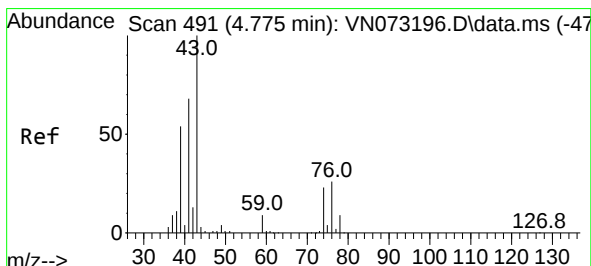
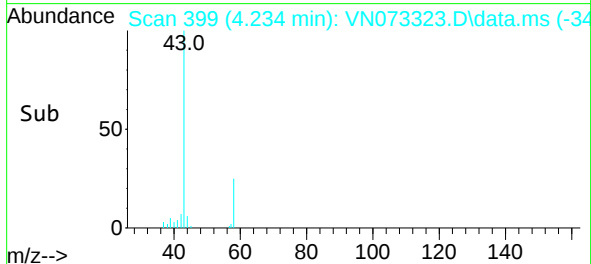
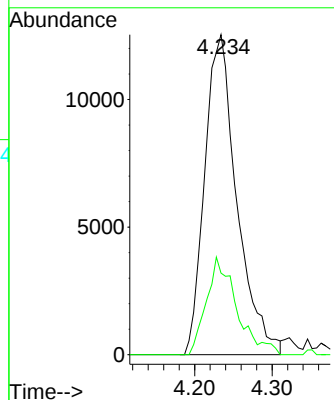
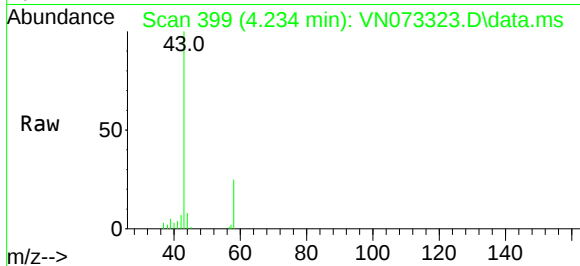




#16
Acetone
Concen: 16.325 ug/l
RT: 4.234 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

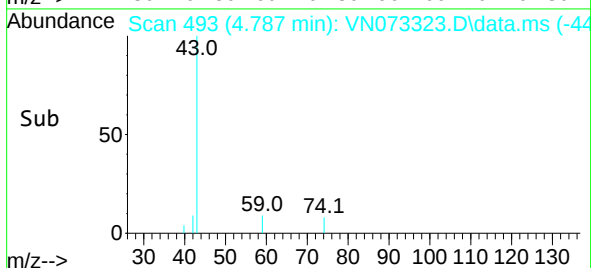
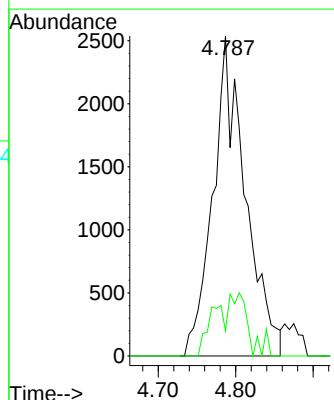
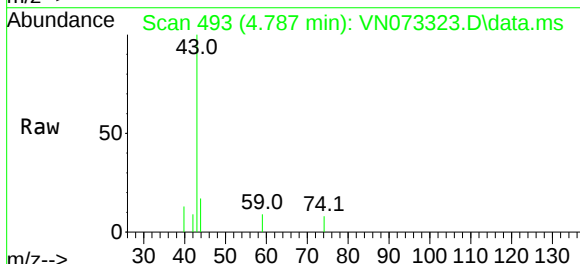
Instrument :
MSVOA_N
ClientSampleId :

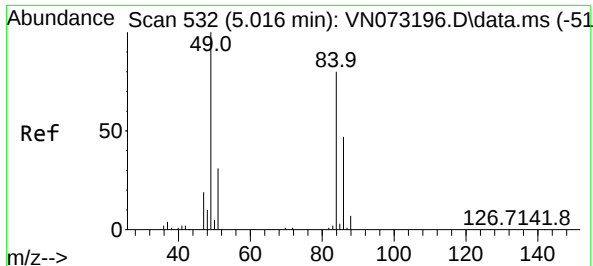
Tgt Ion: 43 Resp: 36145
Ion Ratio Lower Upper
43 100
58 25.5 26.0 39.0#



#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.012 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

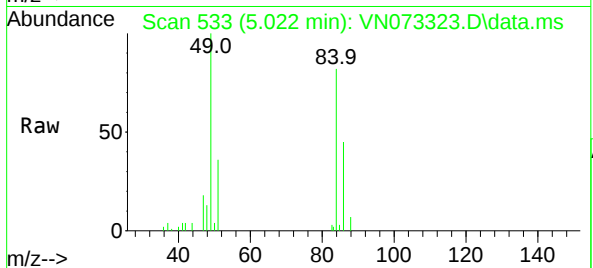
Tgt Ion: 43 Resp: 7348
Ion Ratio Lower Upper
43 100
74 8.3 21.6 32.4#





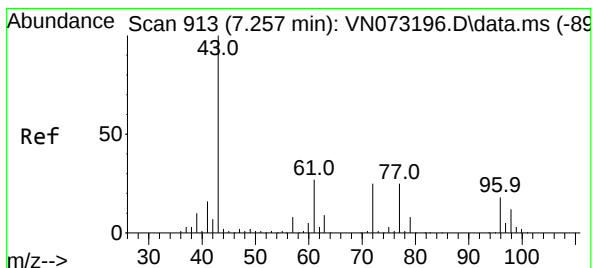
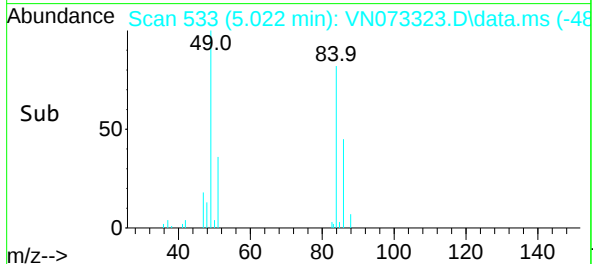
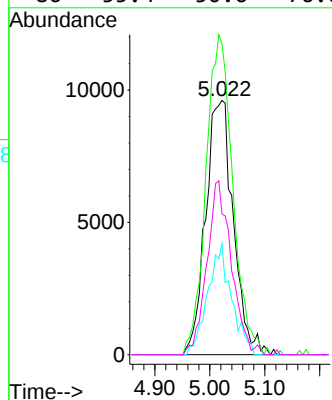
#20
Methylene Chloride
Concen: 8.671 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 33738

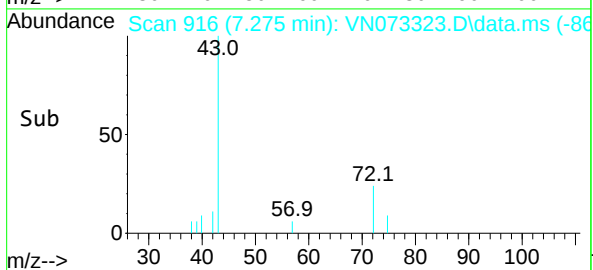
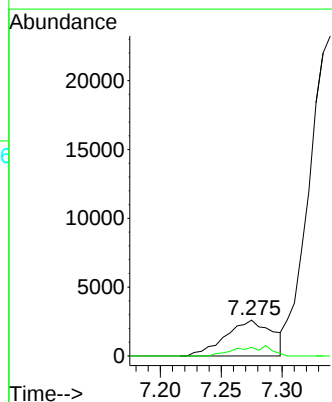
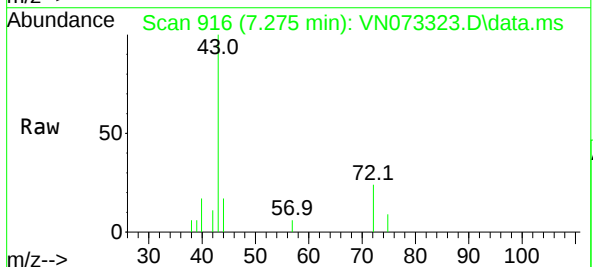
Ion	Ratio	Lower	Upper
84	100		
49	122.2	88.3	132.5
51	43.6	28.2	42.2#
86	55.4	50.6	76.0

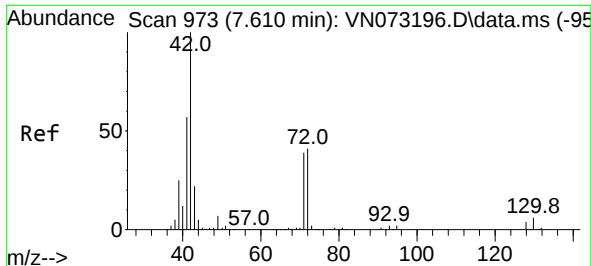


#25
2-Butanone
Concen: 1.980 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Tgt Ion: 43 Resp: 6981

Ion	Ratio	Lower	Upper
43	100		
72	24.3	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.615 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

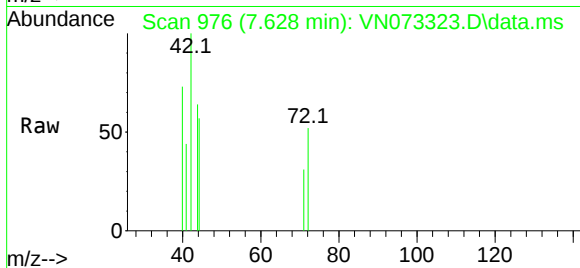
Lab File: VN073323.D

Acq: 05 Jul 2022 18:25

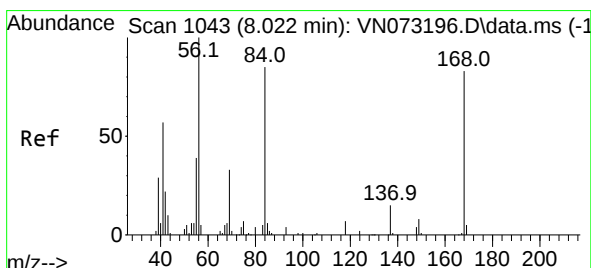
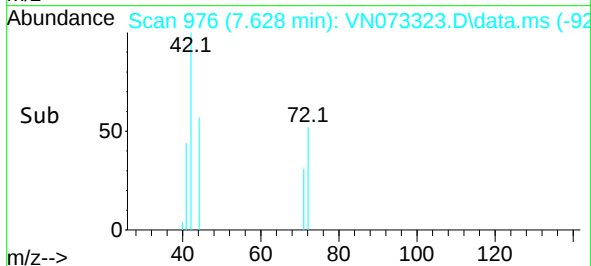
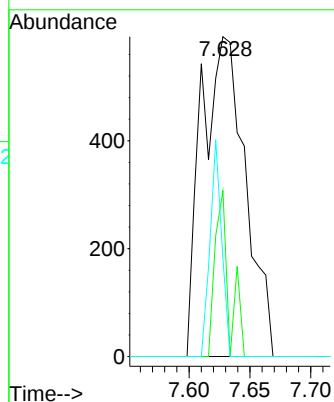
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	1484
Ion Ratio	Lower	Upper	
42	100		
72	16.6	39.7	59.5#
71	17.8	36.6	55.0#



#31

Cyclohexane

Concen: 1.036 ug/l

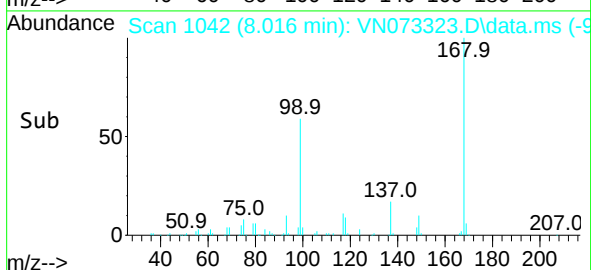
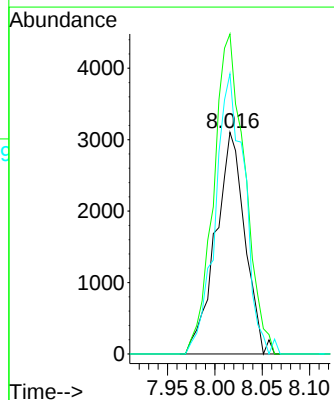
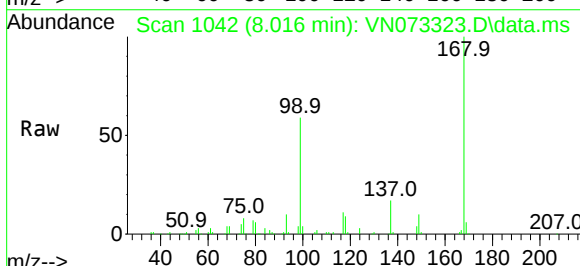
RT: 8.016 min Scan# 1042

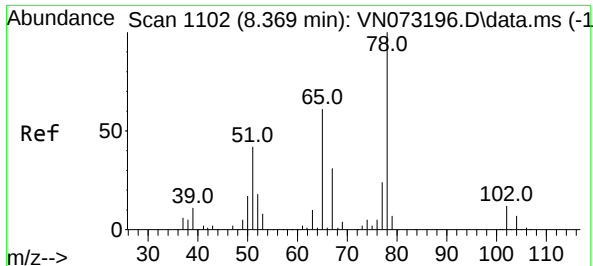
Delta R.T. -0.006 min

Lab File: VN073323.D

Acq: 05 Jul 2022 18:25

Tgt Ion:	56	Resp:	6690
Ion Ratio	Lower	Upper	
56	100		
69	144.4	27.8	41.8#
84	126.4	76.9	115.3#

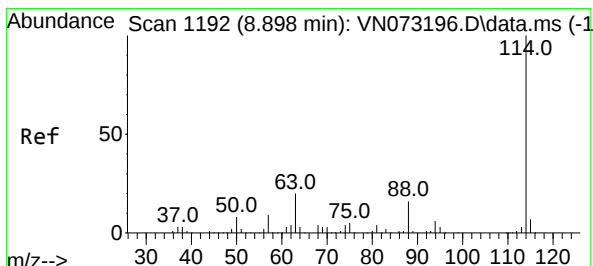
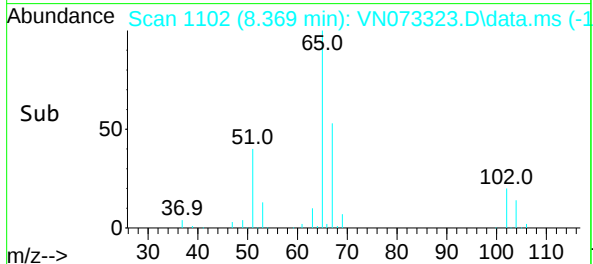
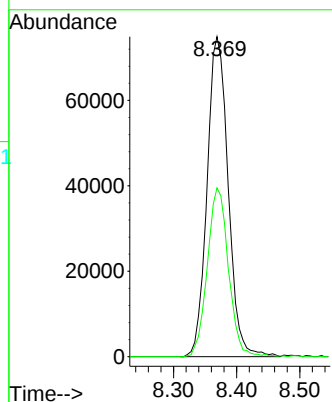
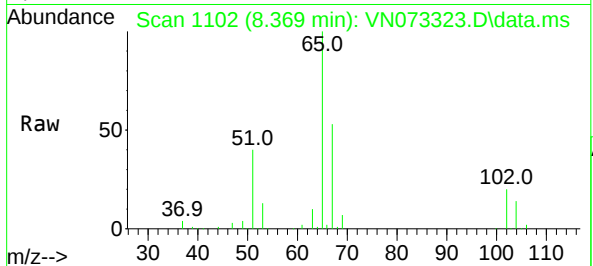




#33
1,2-Dichloroethane-d4
Concen: 44.098 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

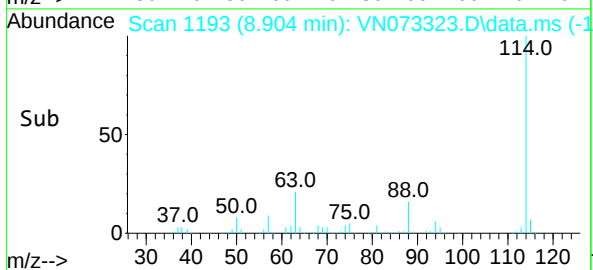
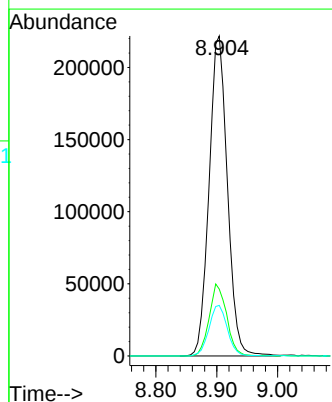
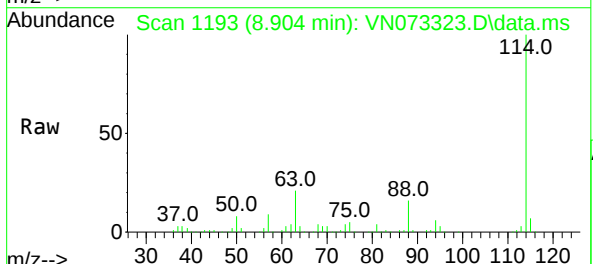
Instrument :
MSVOA_N
ClientSampleId :

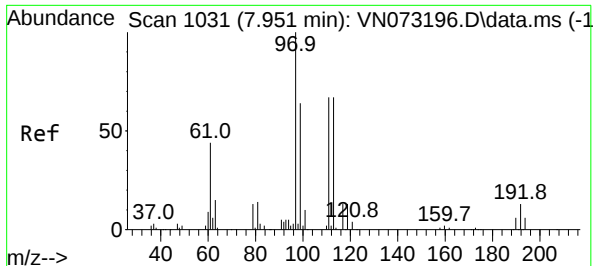
Tgt Ion: 65 Resp: 173943
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Tgt Ion:114 Resp: 462942
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.0
88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.589 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

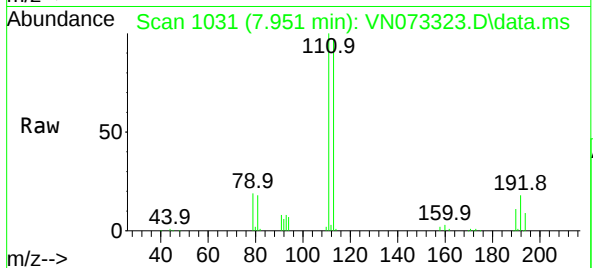
Lab File: VN073323.D

Acq: 05 Jul 2022 18:25

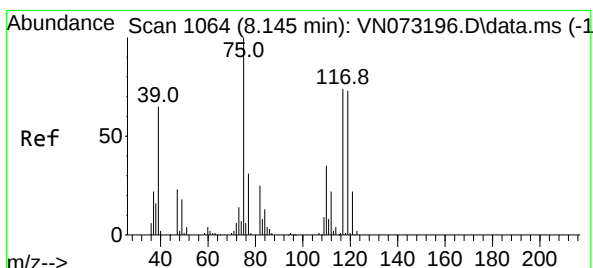
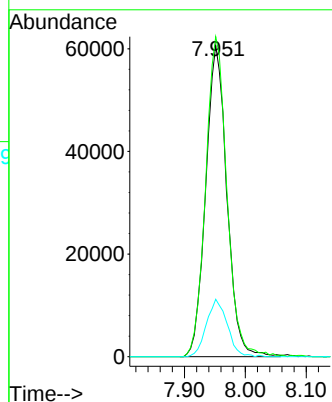
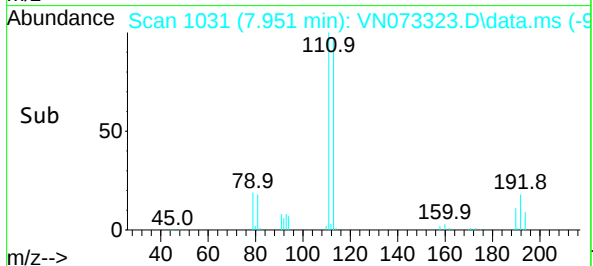
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	146574
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.0
192	18.1	17.0	25.6



#36

1,1-Dichloropropene

Concen: 4.626 ug/l

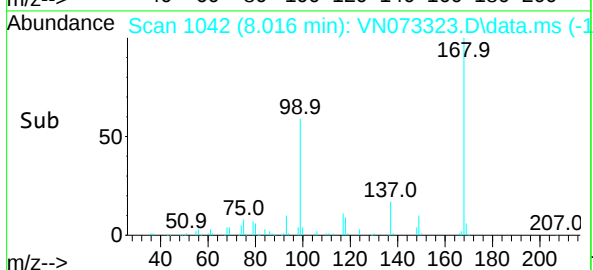
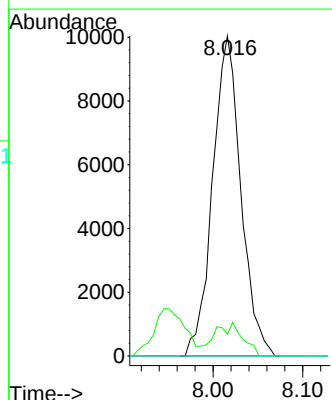
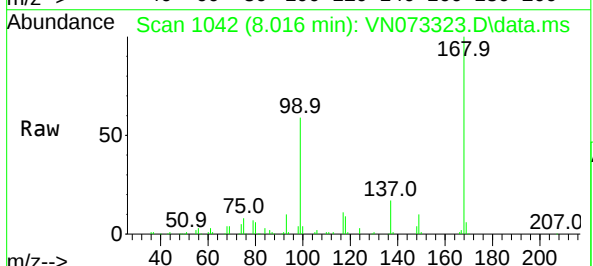
RT: 8.016 min Scan# 1042

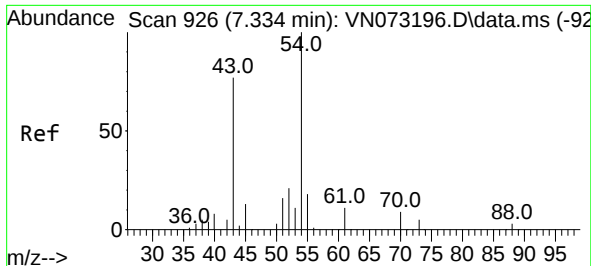
Delta R.T. -0.129 min

Lab File: VN073323.D

Acq: 05 Jul 2022 18:25

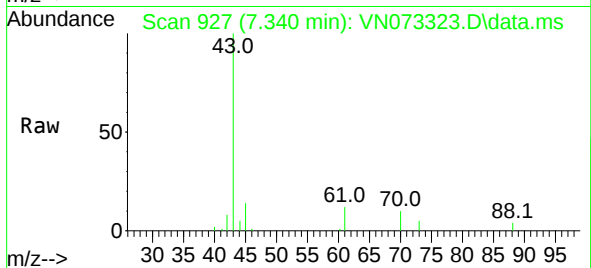
Tgt Ion:	75	Resp:	21926
Ion	Ratio	Lower	Upper
75	100		
110	2.9	18.3	54.8#
77	0.0	25.1	37.7#



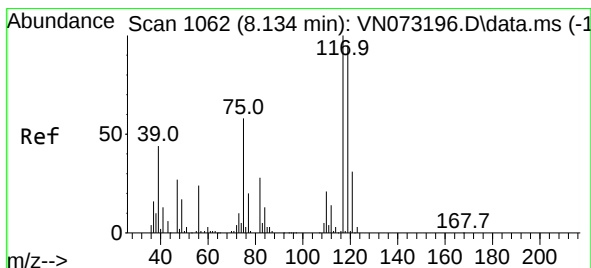
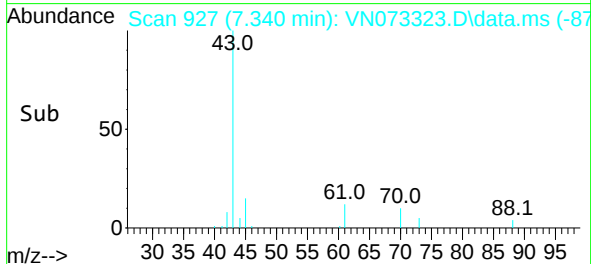
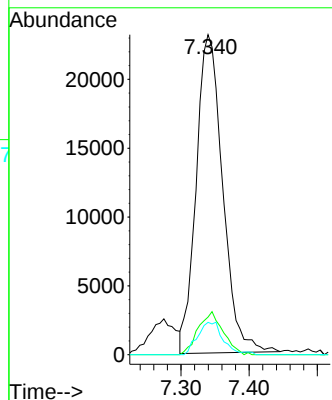


#37
Ethyl Acetate
Concen: 8.702 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Instrument :
MSVOA_N
ClientSampleId :

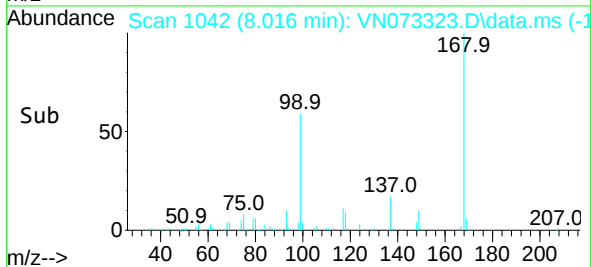
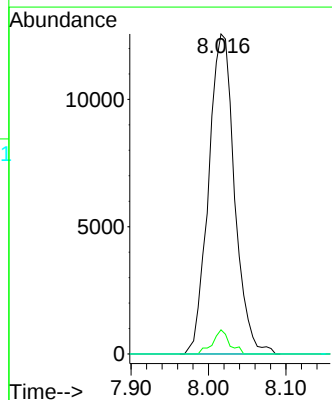
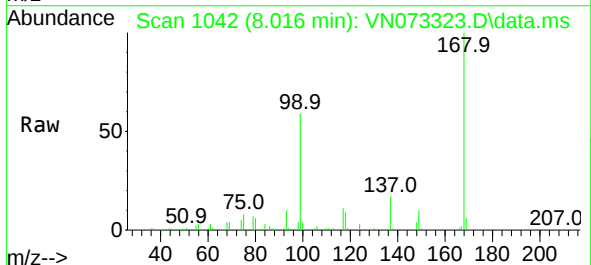


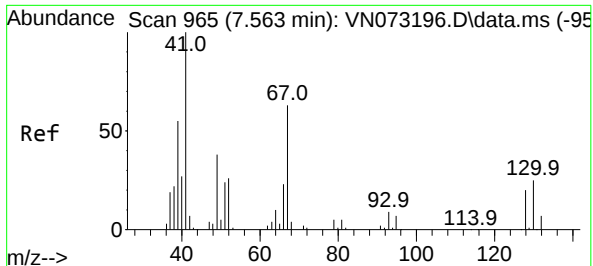
Tgt Ion: 43 Resp: 62316
Ion Ratio Lower Upper
43 100
61 12.8 11.8 17.6
70 9.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.972 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

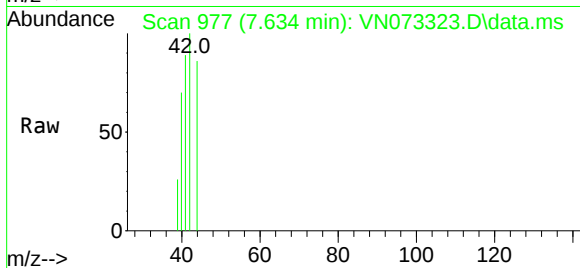
Tgt Ion: 117 Resp: 29270
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.8#
121 0.0 24.6 37.0#



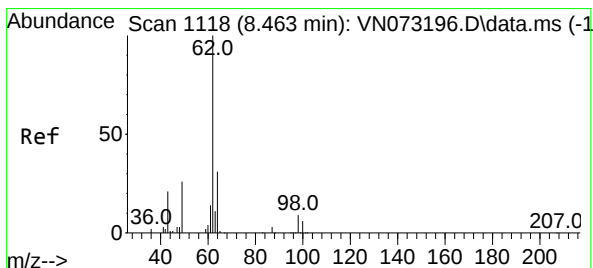
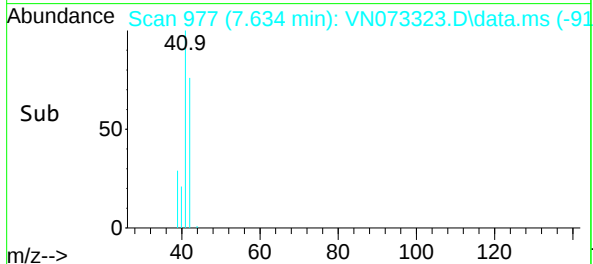
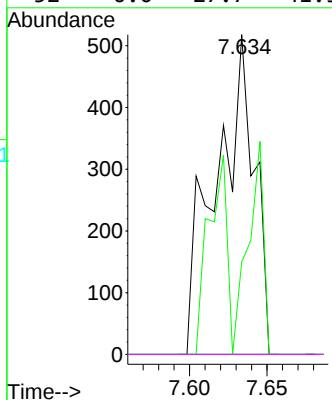


#41
Methacrylonitrile
Concen: 0.255 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Instrument :
MSVOA_N
ClientSampleId :

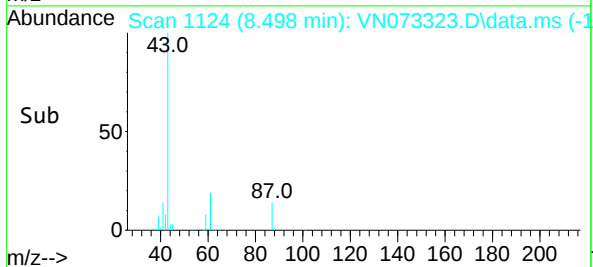
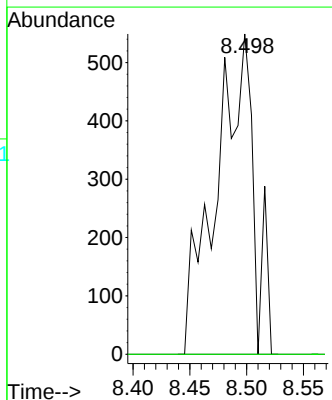
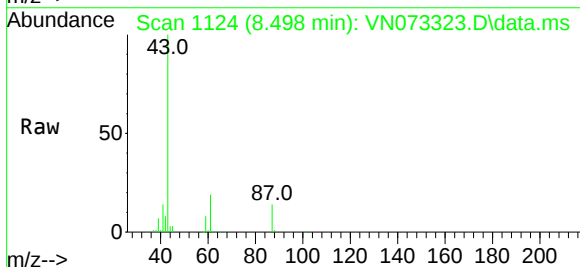


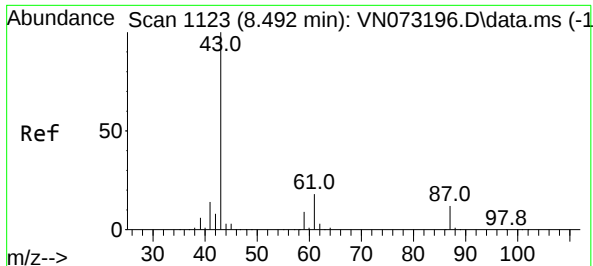
Tgt Ion:	41	Resp:	887
Ion	Ratio	Lower	Upper
41	100		
39	27.1	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#42
1,2-Dichloroethane
Concen: 0.239 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.035 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

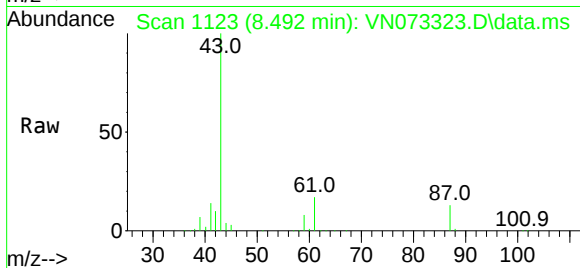
Tgt Ion:	62	Resp:	1268
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4



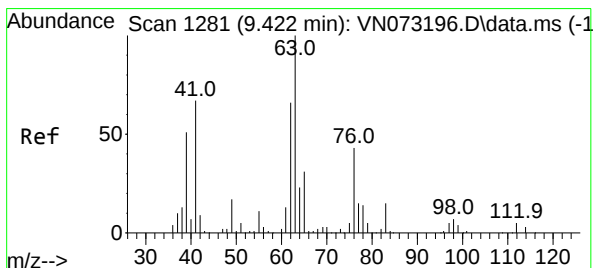
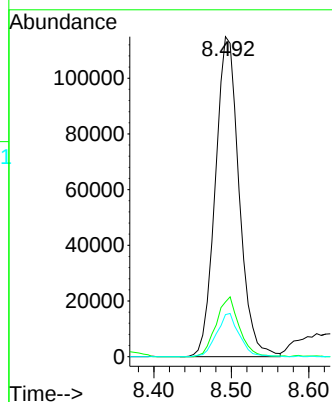
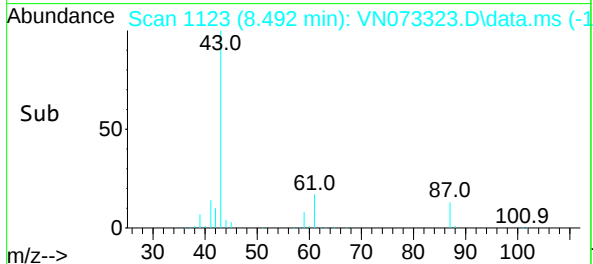


#43
Isopropyl Acetate
Concen: 23.861 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

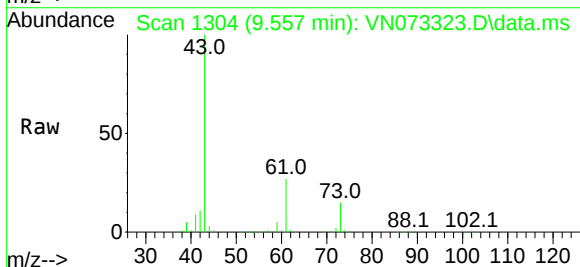
Instrument :
MSVOA_N
ClientSampleId :



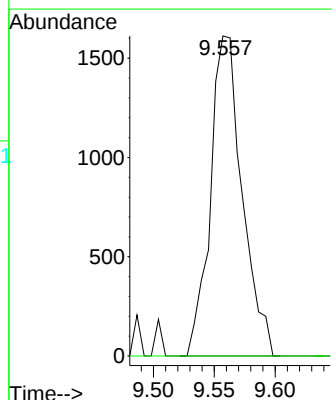
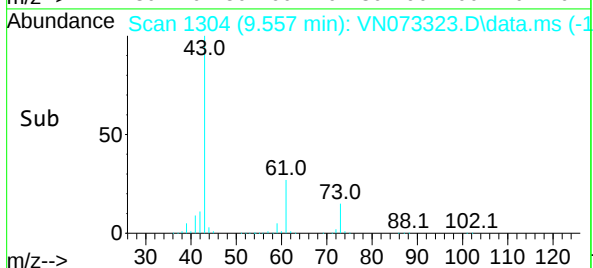
Tgt Ion: 43 Resp: 245560
Ion Ratio Lower Upper
43 100
61 18.1 21.9 32.9#
87 12.9 12.0 18.0

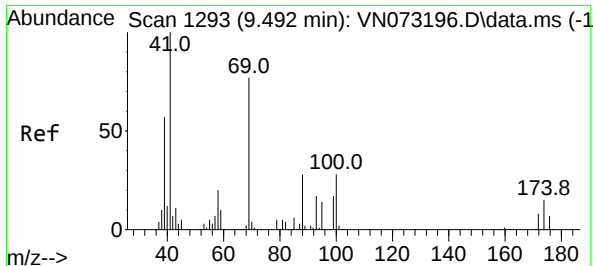


#45
1,2-Dichloropropane
Concen: 0.785 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.135 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25



Tgt Ion: 63 Resp: 2928
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

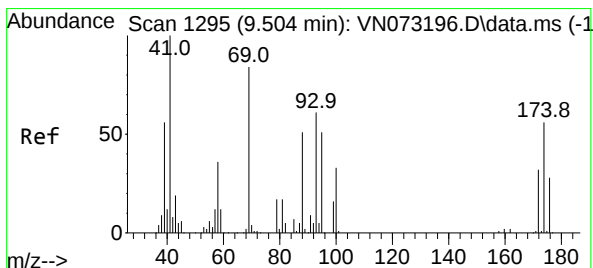
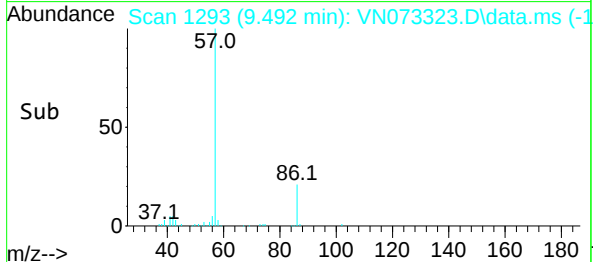
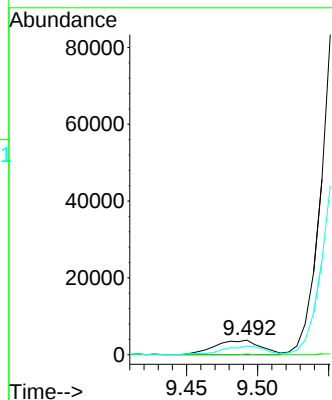
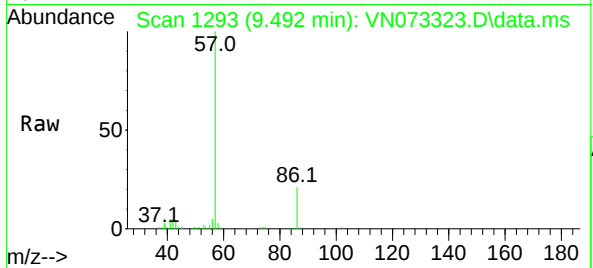




#48
Methyl methacrylate
Concen: 1.769 ug/l
RT: 9.492 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

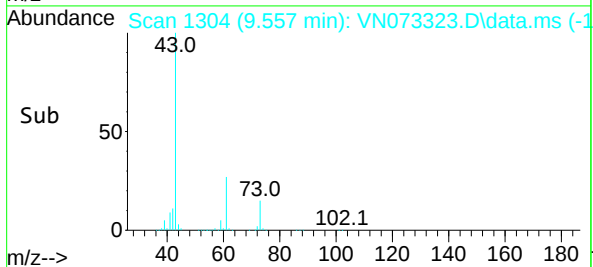
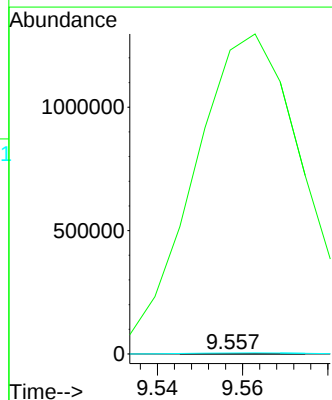
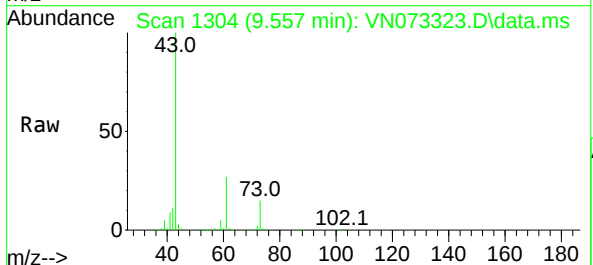
Instrument :
MSVOA_N
ClientSampleId :

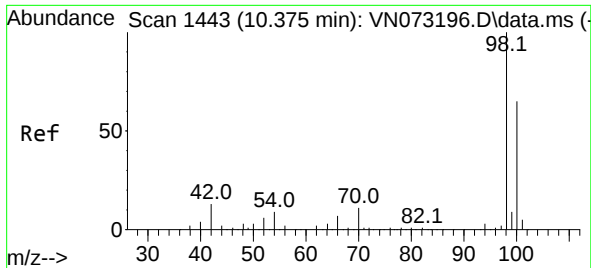
Tgt Ion: 41 Resp: 8427
Ion Ratio Lower Upper
41 100
69 0.8 74.7 112.1#
39 54.1 45.6 68.4



#49
1,4-Dioxane
Concen: 0.884 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.053 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 3036548.8 20.2 30.4#
58 11172.5 54.2 81.4#

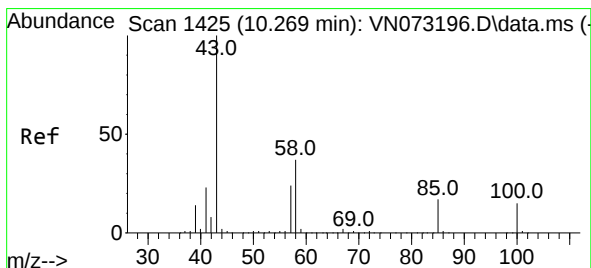
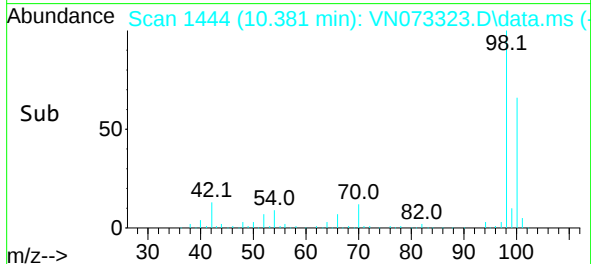
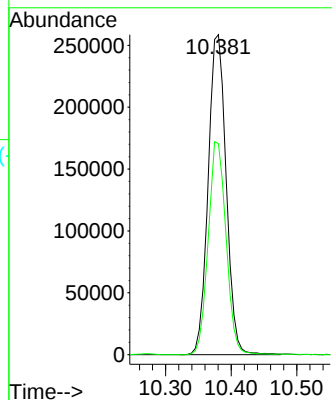
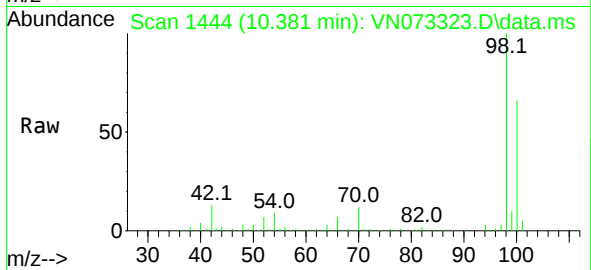




#50
Toluene-d8
Concen: 45.169 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

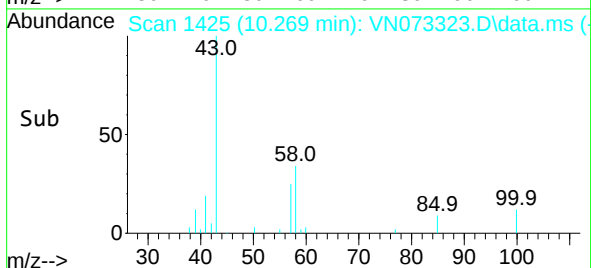
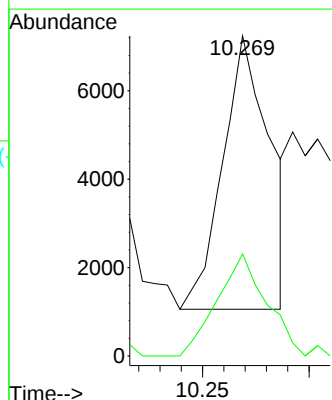
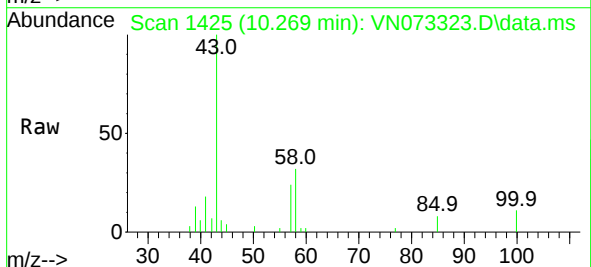
Instrument :
MSVOA_N
ClientSampleId :

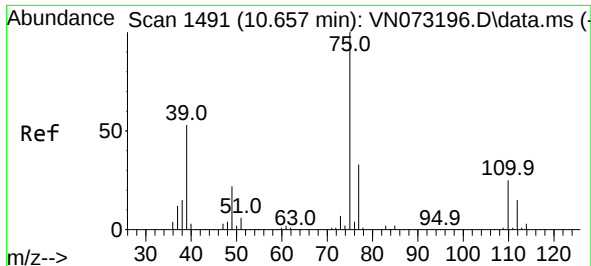
Tgt Ion: 98 Resp: 494115
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.449 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Tgt Ion: 43 Resp: 9455
Ion Ratio Lower Upper
43 100
58 40.0 34.1 51.1

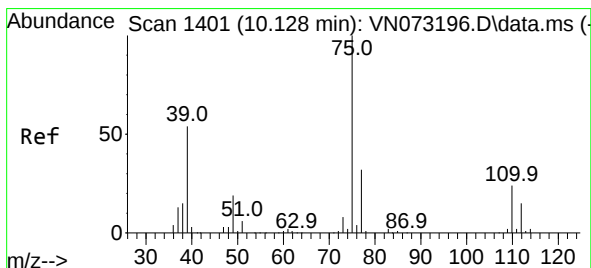
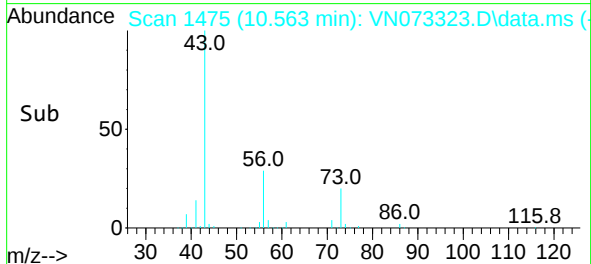
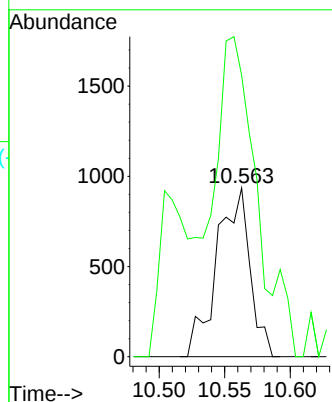
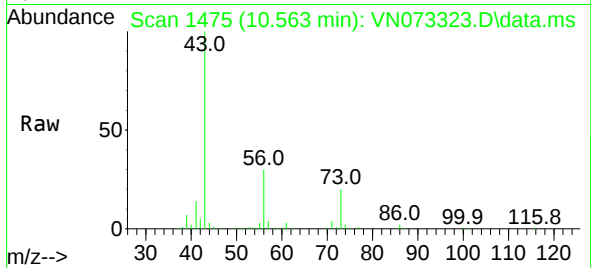




#53
t-1,3-Dichloropropene
Concen: 0.304 ug/l
RT: 10.563 min Scan# 1410
Delta R.T. -0.094 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

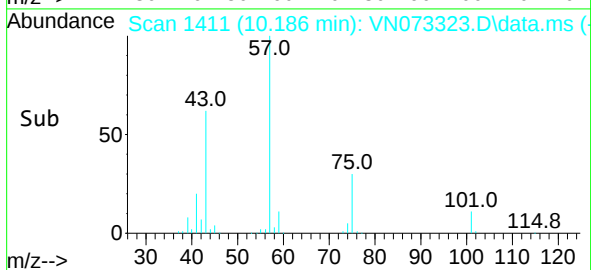
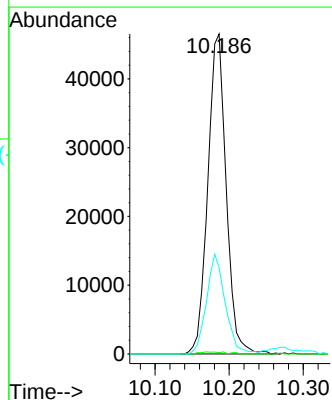
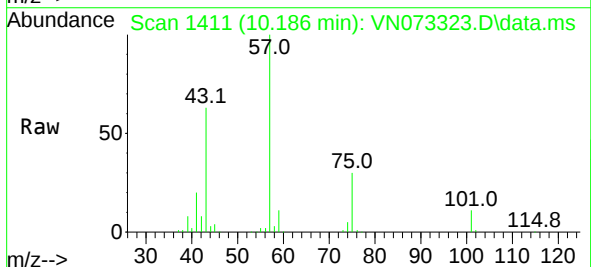
Instrument :
MSVOA_N
ClientSampleId :

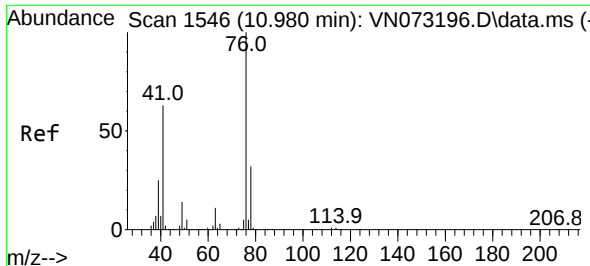
Tgt Ion: 75 Resp: 1641
Ion Ratio Lower Upper
75 100
77 115.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 13.741 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.058 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Tgt Ion: 75 Resp: 80061
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 27.0 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.619 ug/l

RT: 11.028 min Scan# 1554

Delta R.T. 0.048 min

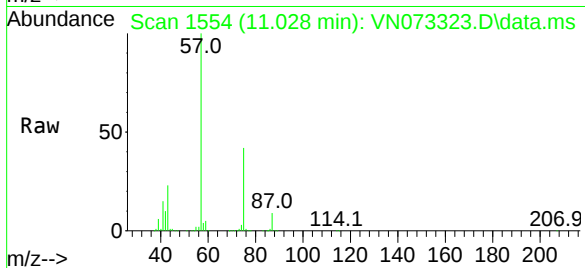
Lab File: VN073323.D

Acq: 05 Jul 2022 18:25

Instrument :

MSVOA_N

ClientSampleId :

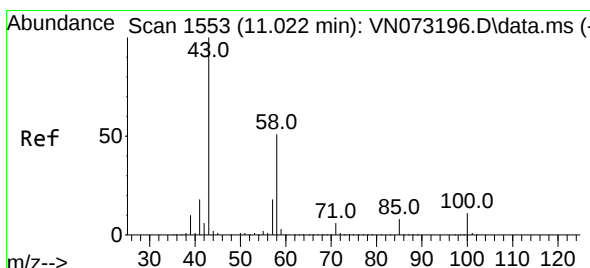
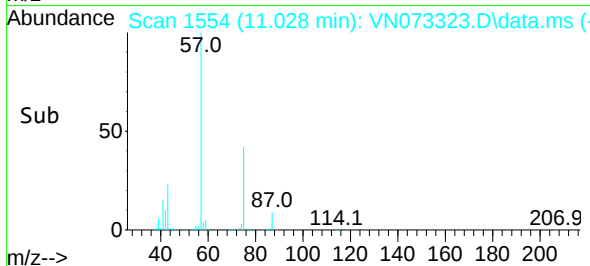
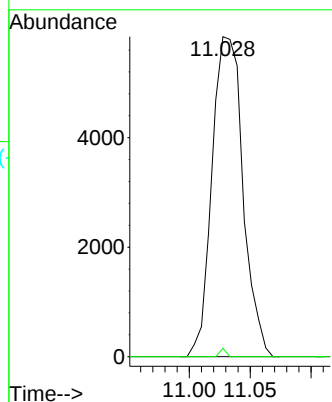


Tgt Ion: 76 Resp: 10330

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#



#59

2-Hexanone

Concen: 29.935 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.011 min

Lab File: VN073323.D

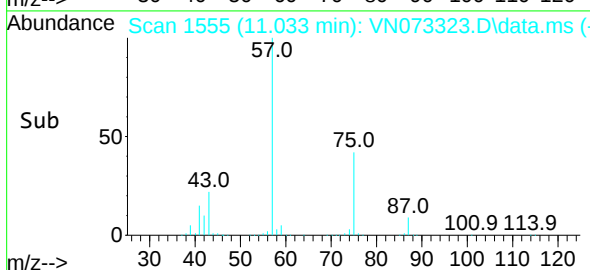
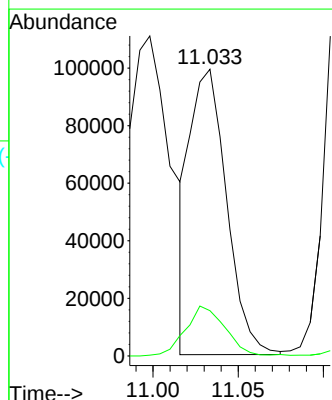
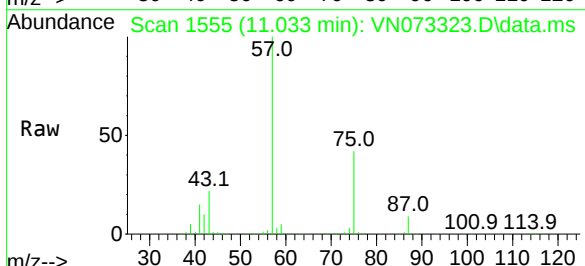
Acq: 05 Jul 2022 18:25

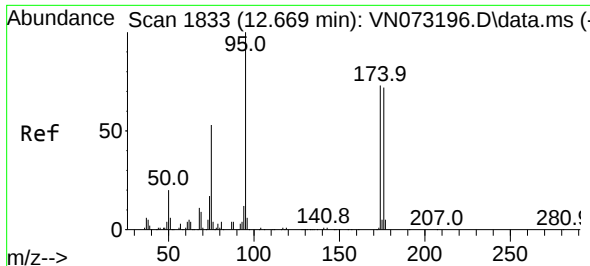
Tgt Ion: 43 Resp: 148922

Ion Ratio Lower Upper

43 100

58 19.0 29.7 89.1#

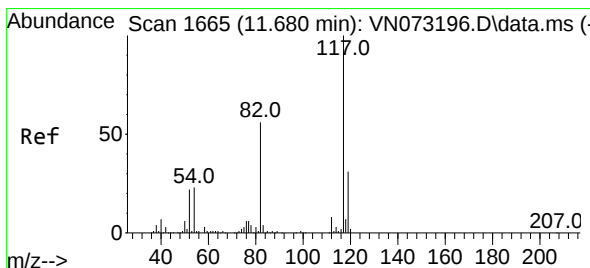
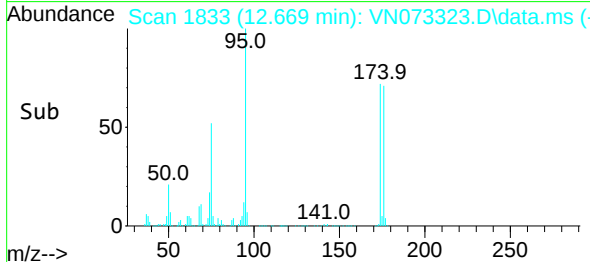
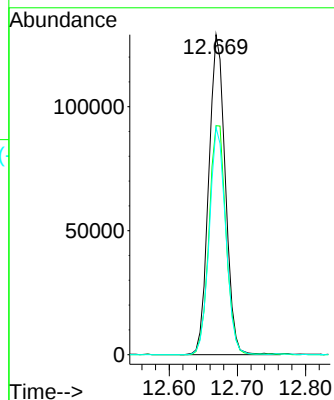
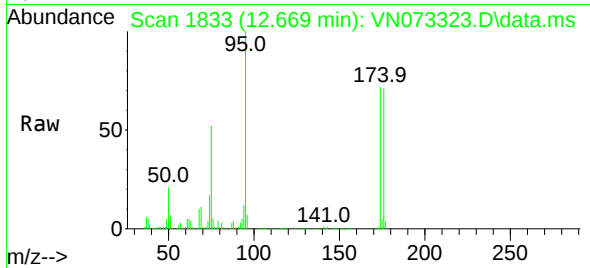




#62
4-Bromofluorobenzene
Concen: 51.937 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

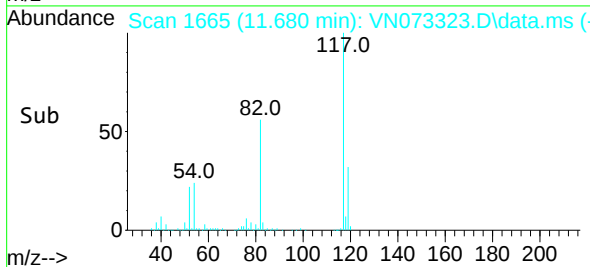
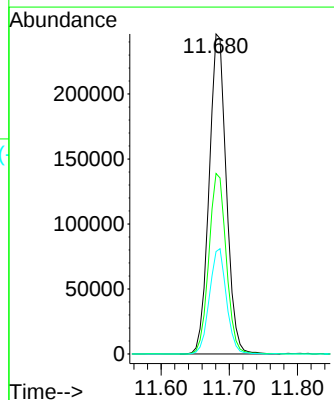
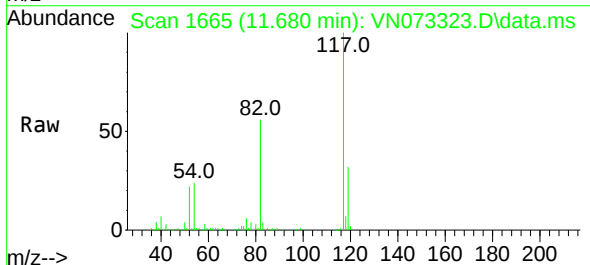
Instrument :
MSVOA_N
ClientSampleId :

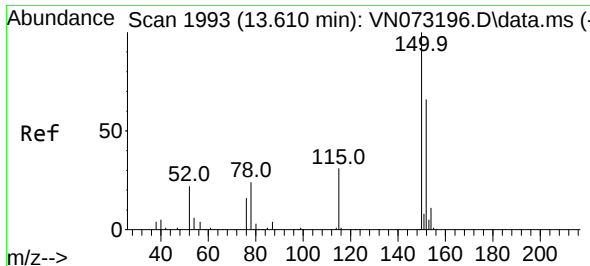
Tgt Ion: 95 Resp: 218336
Ion Ratio Lower Upper
95 100
174 73.2 0.0 167.6
176 70.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

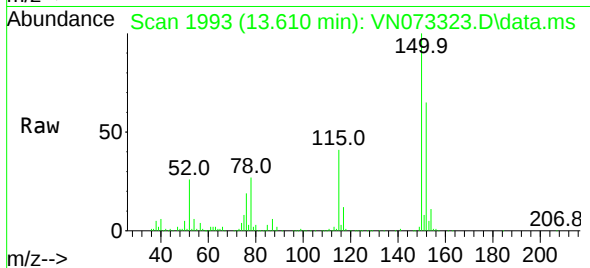
Tgt Ion: 117 Resp: 431758
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 32.0 25.4 38.0



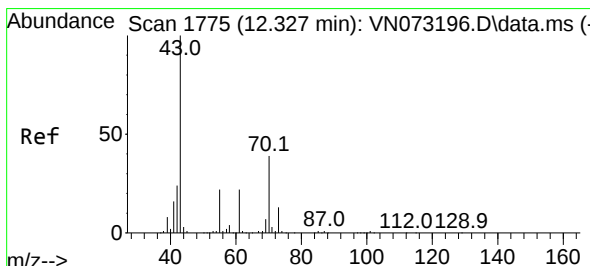
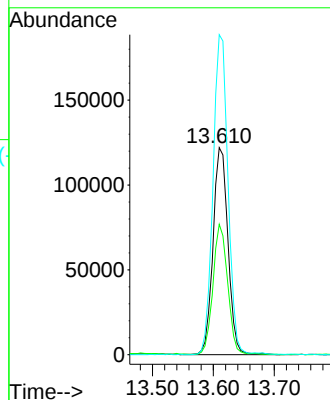
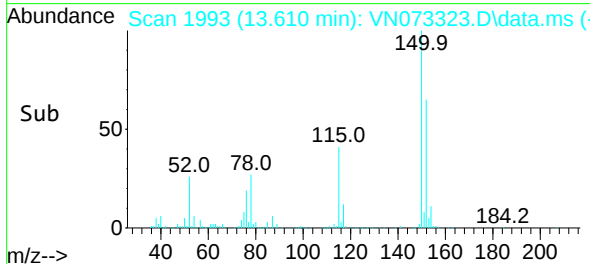


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

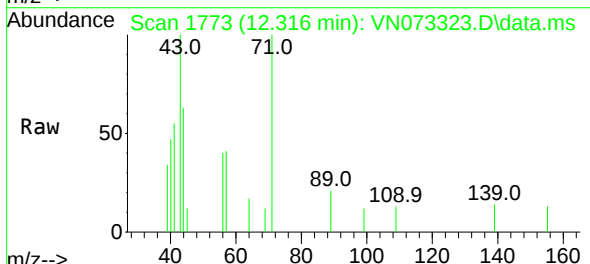
Instrument :
MSVOA_N
ClientSampleId :



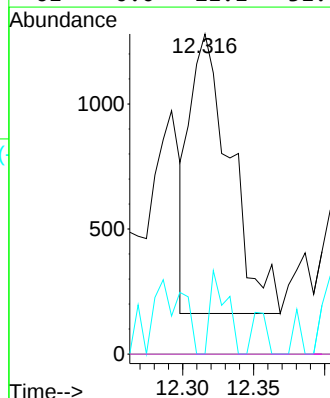
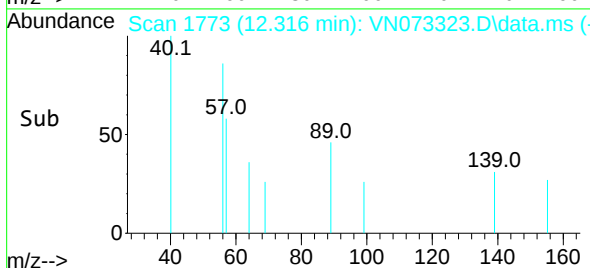
Tgt Ion:152 Resp: 209421
Ion Ratio Lower Upper
152 100
115 61.8 28.9 86.7
150 153.4 0.0 356.2

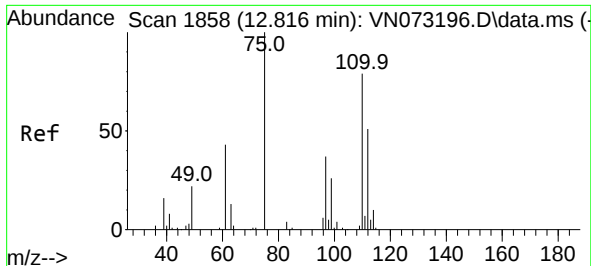


#74
N-ethyl acetate
Concen: 0.246 ug/l
RT: 12.316 min Scan# 1773
Delta R.T. -0.011 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25



Tgt Ion: 43 Resp: 2228
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 12.0 21.1 31.7#
61 0.0 21.1 31.7#

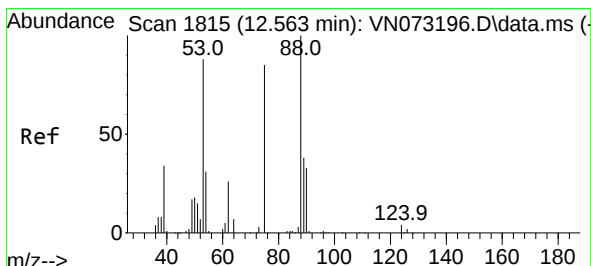
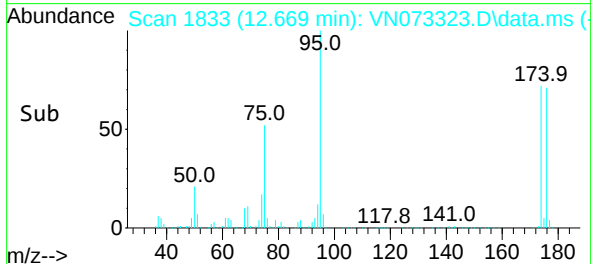
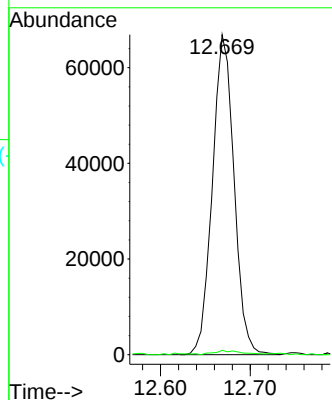
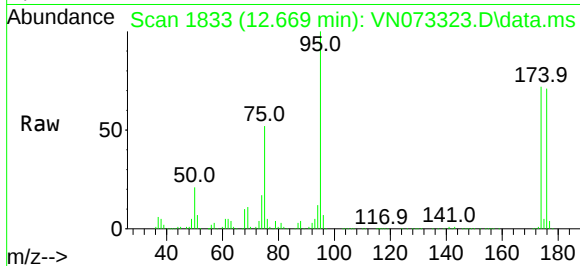




#76
1,2,3-Trichloropropane
Concen: 20.470 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 112090
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.137 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073323.D
Acq: 05 Jul 2022 18:25

Tgt Ion: 75 Resp: 112090
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

