

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073932.D
 Acq On : 16 Aug 2022 07:00
 Operator : JC\MD
 Sample : N4200-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S2

Quant Time: Aug 16 08:09:29 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

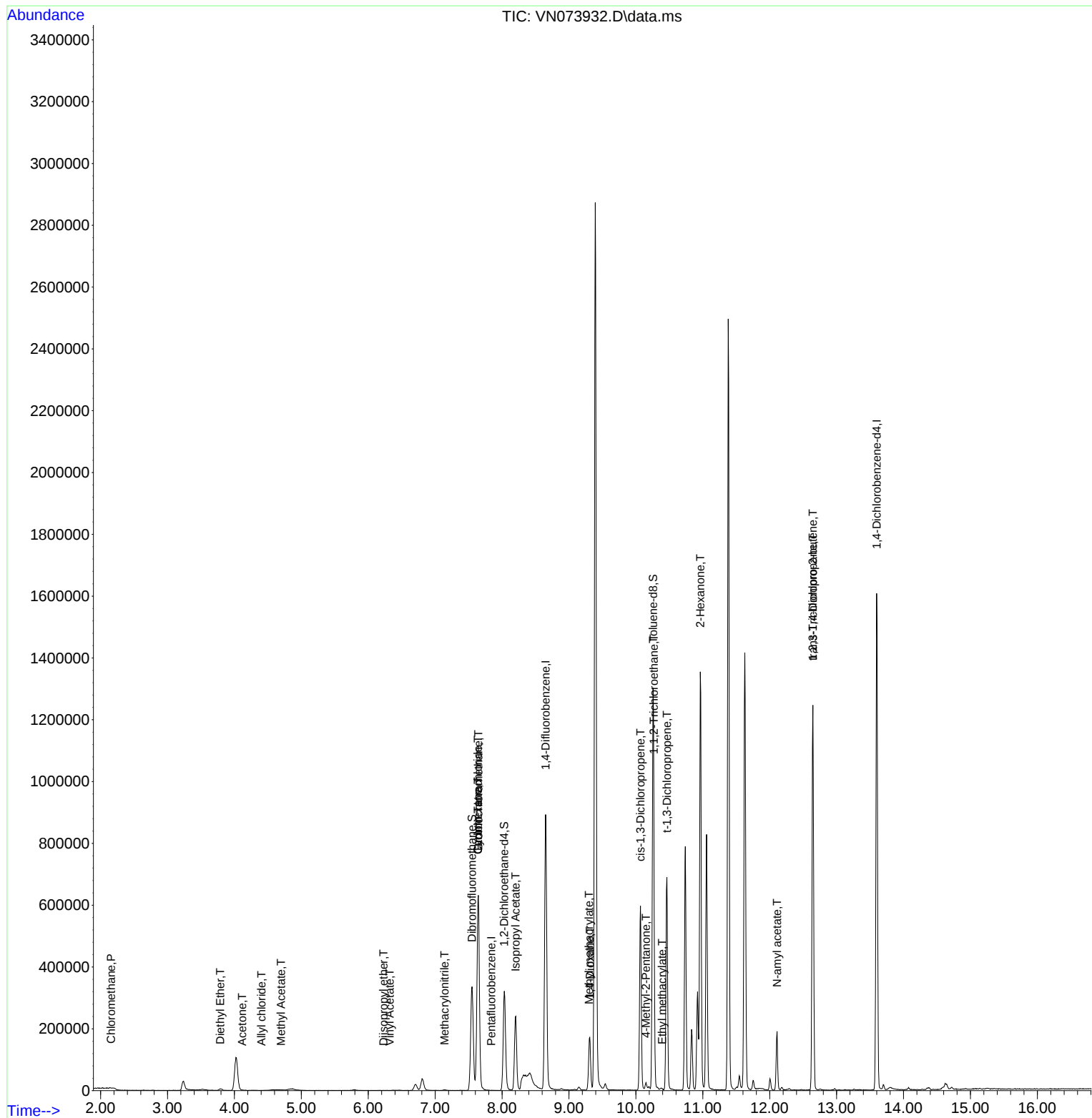
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.839	168	344	50.000	ug/l	#-0.18
34) 1,4-Difluorobenzene	8.651	114	899764	50.000	ug/l	-0.25
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.69
72) 1,4-Dichlorobenzene-d4	13.598	152	465771	50.000	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.034	65	290168	86603.224	ug/l	-0.34
Spiked Amount	50.000	Range	74 - 125	Recovery	= 173206.440%#	
35) Dibromofluoromethane	7.551	113	283011	53.186	ug/l	-0.40
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.380%	
50) Toluene-d8	10.257	98	954799	46.331	ug/l	-0.12
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.660%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	= 0.000%#	
Target Compounds						Qvalue
3) Chloromethane	2.157	50	61	20.111	ug/l #	43
8) Diethyl Ether	3.787	74	1638	878.455	ug/l #	7
14) Allyl chloride	4.404	41	59	14.673	ug/l #	24
16) Acetone	4.116	43	240	151.827	ug/l #	42
18) Methyl Acetate	4.698	43	54	11.721	ug/l #	48
22) Diisopropyl ether	6.228	45	54	6.334	ug/l #	34
23) Vinyl Acetate	6.322	43	82	11.224	ug/l #	68
28) Bromochloromethane	7.645	49	1711	874.200	ug/l #	1
31) Cyclohexane	7.639	56	9234	1976.975	ug/l #	4
38) Carbon Tetrachloride	7.639	117	44920	5.317	ug/l #	15
41) Methacrylonitrile	7.139	41	1100	0.272	ug/l #	31
43) Isopropyl Acetate	8.204	43	286624	22.470	ug/l #	92
48) Methyl methacrylate	9.298	41	9221	1.689	ug/l #	11
49) 1,4-Dioxane	9.316	88	60	0.370	ug/l #	1
51) 4-Methyl-2-Pentanone	10.151	43	15640	1.814	ug/l	99
53) t-1,3-Dichloropropene	10.463	75	2074	0.243	ug/l #	73
54) cis-1,3-Dichloropropene	10.069	75	119207	12.779	ug/l #	61
55) 1,1,2-Trichloroethane	10.269	97	21918	3.523	ug/l #	1
56) Ethyl methacrylate	10.392	69	2348	0.265	ug/l #	28
59) 2-Hexanone	10.963	43	96875	14.596	ug/l	72
74) N-amyl acetate	12.110	43	52205	4.072	ug/l #	49
76) 1,2,3-Trichloropropane	12.645	75	198141	20.467	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.645	75	198141	58.212	ug/l #	10

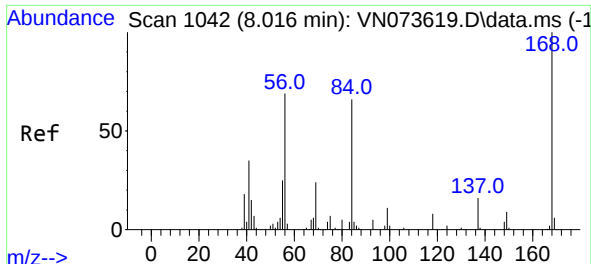
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 16 08:09:29 2022
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Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
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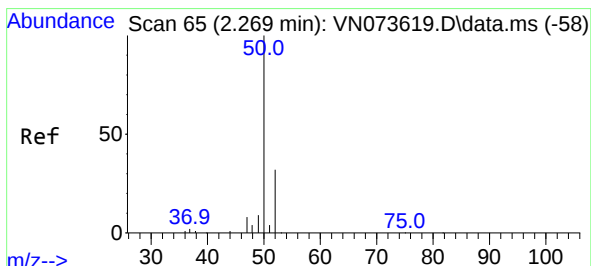
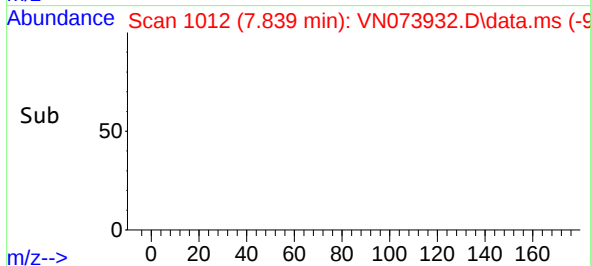
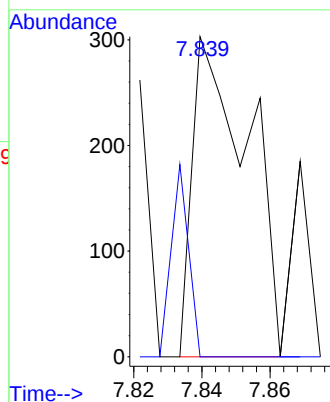
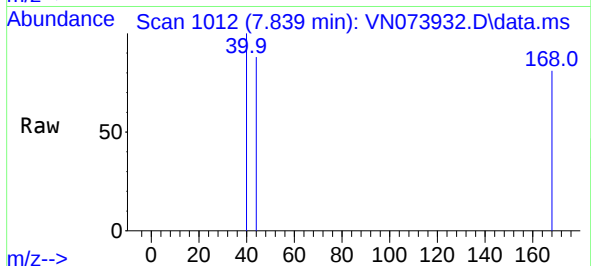




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.839 min Scan# 10
Delta R.T. -0.177 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

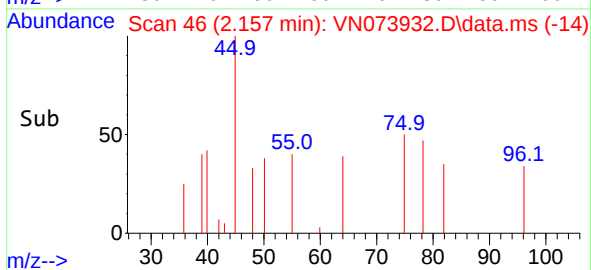
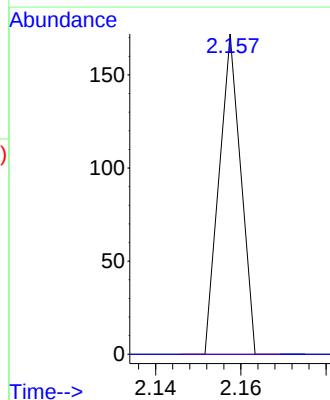
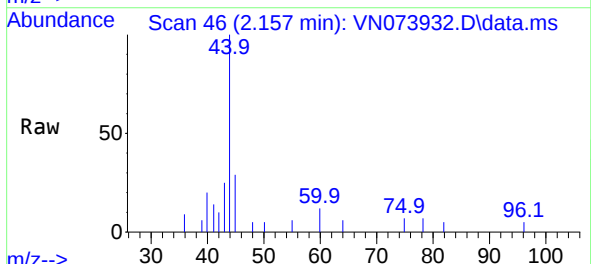
Instrument :
MSVOA_N
ClientSampleId :
S2

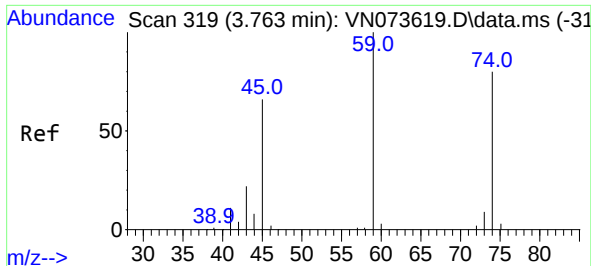
Tgt Ion:168 Resp: 344
Ion Ratio Lower Upper
168 100
99 0.0 42.3 63.5#



#3
Chloromethane
Concen: 20.111 ug/l
RT: 2.157 min Scan# 46
Delta R.T. -0.112 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 50 Resp: 61
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

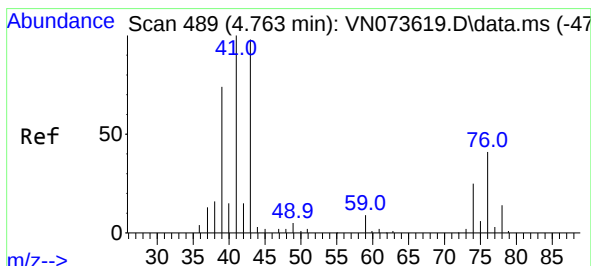
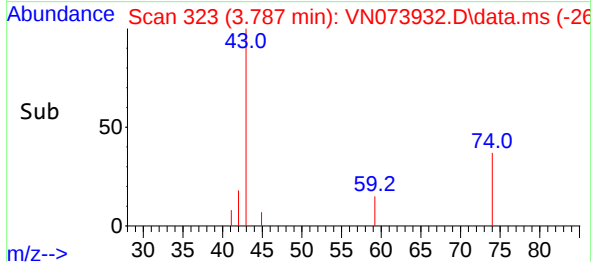
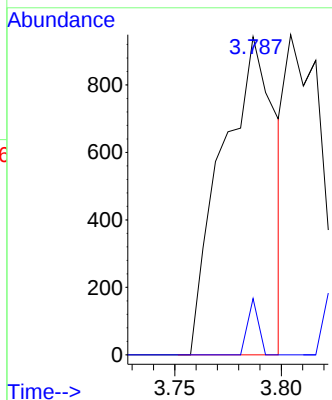
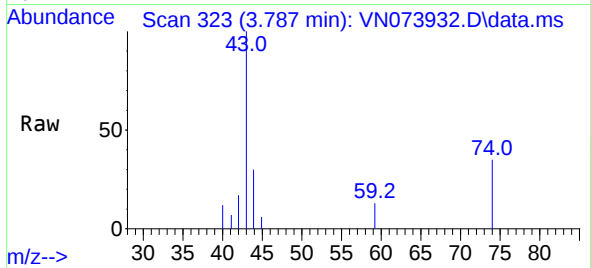




#8
Diethyl Ether
Concen: 878.455 ug/l
RT: 3.787 min Scan# 319
Delta R.T. 0.024 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

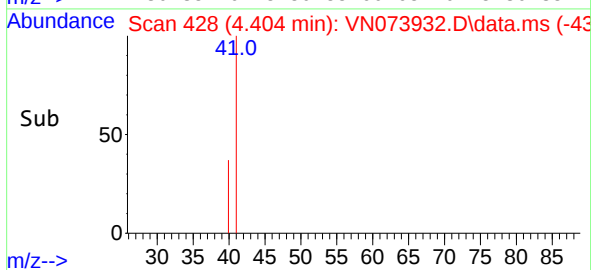
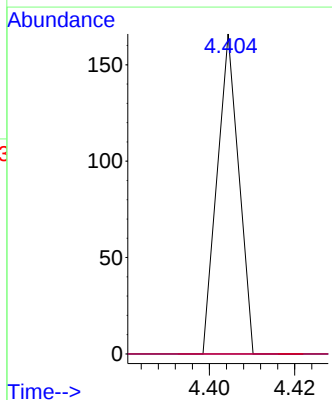
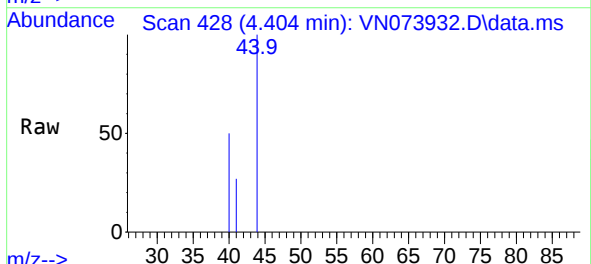
Instrument :
MSVOA_N
ClientSampleId :
S2

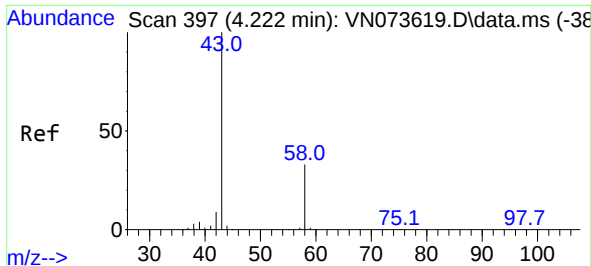
Tgt Ion: 74 Resp: 1638
Ion Ratio Lower Upper
74 100
45 0.0 42.9 128.5#



#14
Allyl chloride
Concen: 14.673 ug/l
RT: 4.404 min Scan# 428
Delta R.T. -0.359 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#

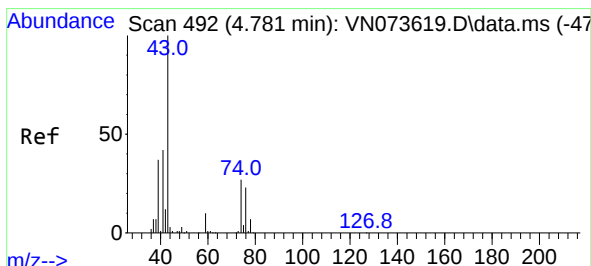
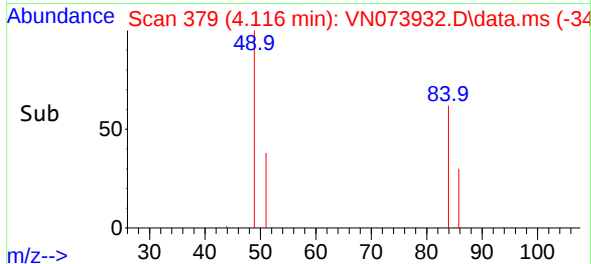
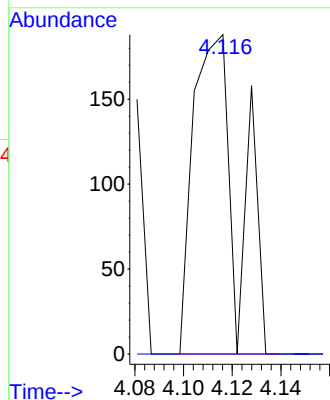
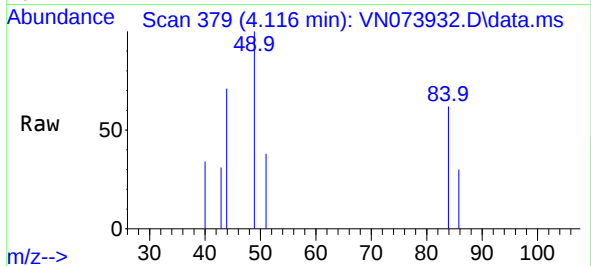




#16
Acetone
Concen: 151.827 ug/l
RT: 4.116 min Scan# 31
Delta R.T. -0.106 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

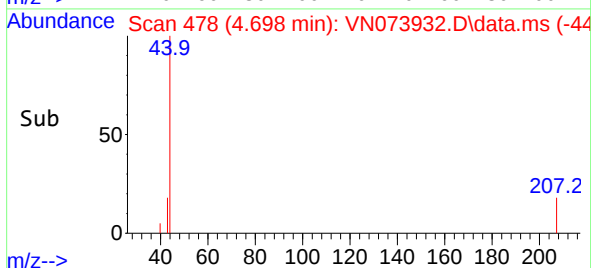
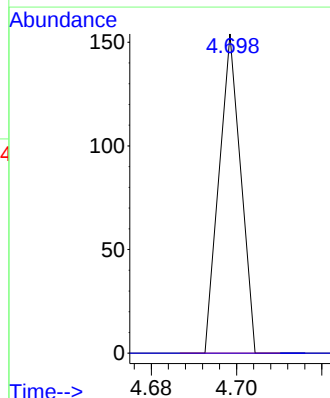
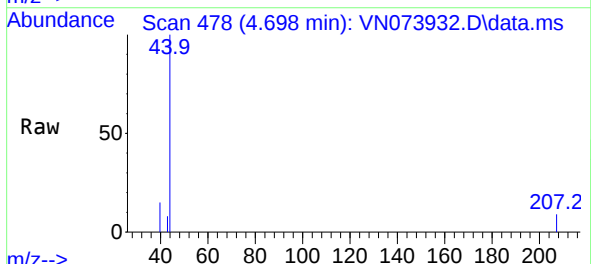
Instrument :
MSVOA_N
ClientSampleId :
S2

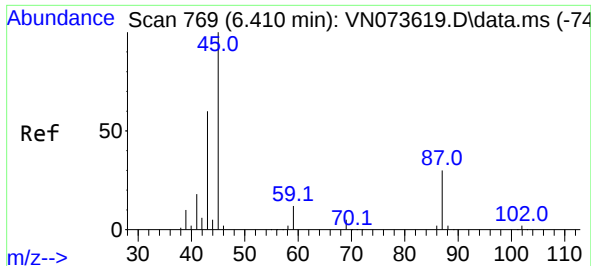
Tgt Ion: 43 Resp: 240
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: 11.721 ug/l
RT: 4.698 min Scan# 478
Delta R.T. -0.083 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

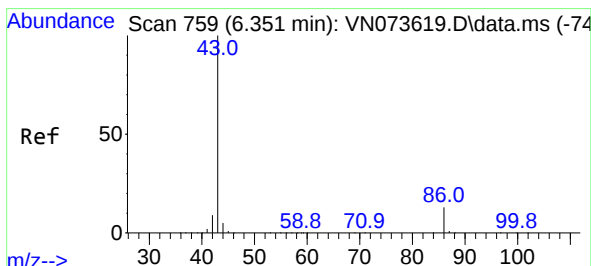
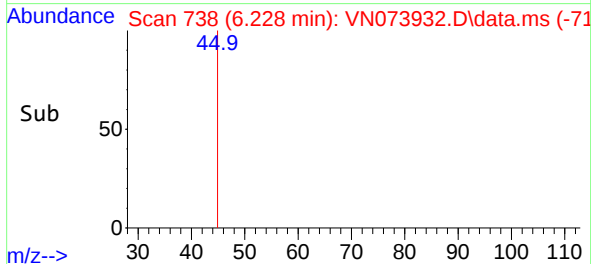
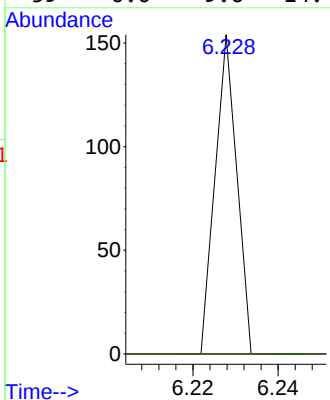
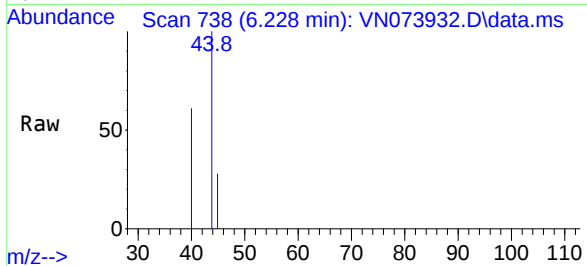




#22
Diisopropyl ether
Concen: 6.334 ug/l
RT: 6.228 min Scan# 71
Delta R.T. -0.182 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

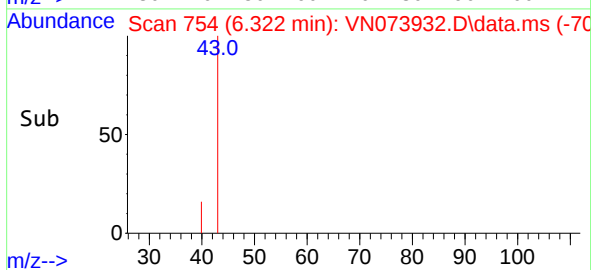
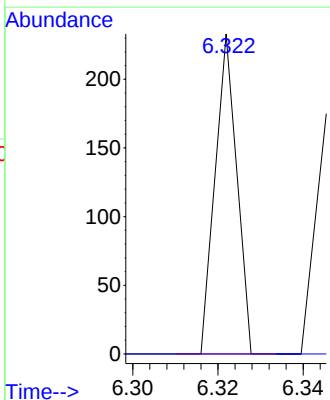
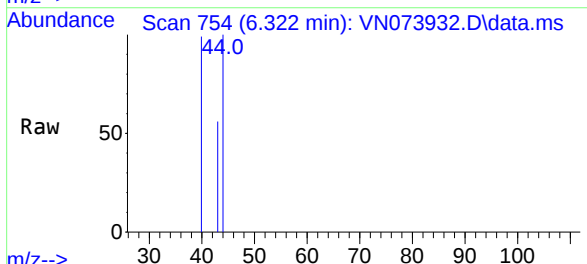
Instrument :
MSVOA_N
ClientSampleId :
S2

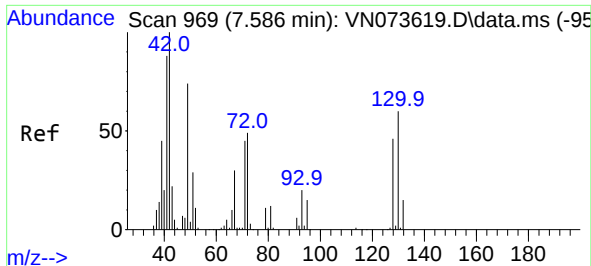
Tgt Ion:	45	Resp:	54
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.6	70.0#
87	0.0	24.3	36.5#
59	0.0	9.6	14.4#



#23
Vinyl Acetate
Concen: 11.224 ug/l
RT: 6.322 min Scan# 754
Delta R.T. -0.029 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion:	43	Resp:	82
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.0	15.0#

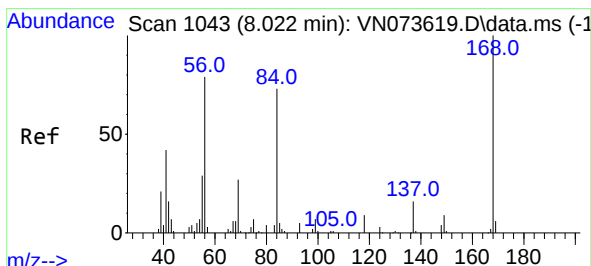
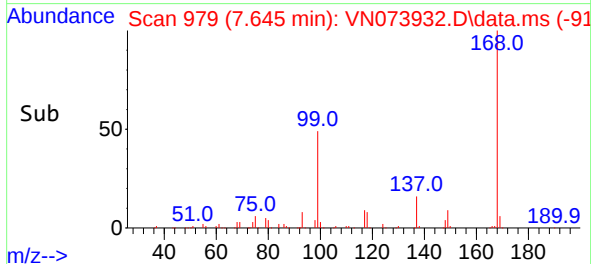
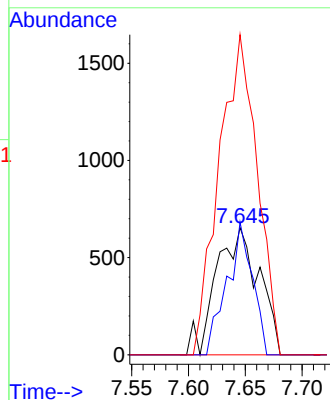
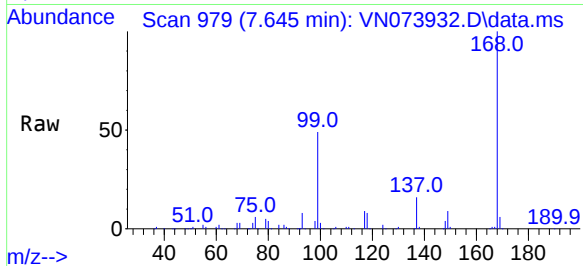




#28
Bromochloromethane
Concen: 874.200 ug/l
RT: 7.645 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

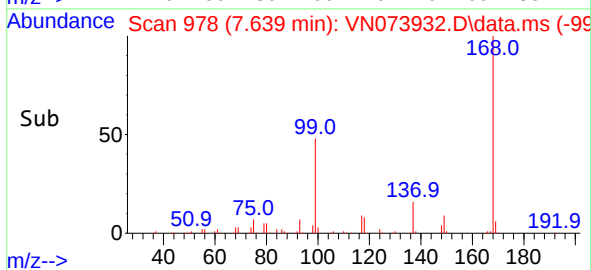
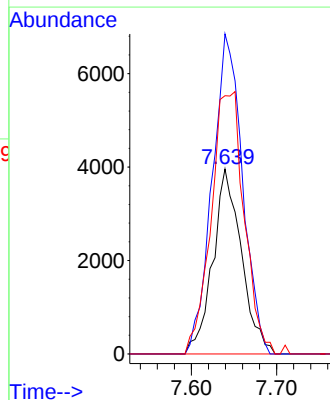
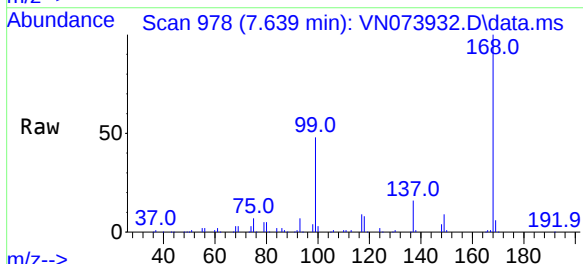
Instrument :
MSVOA_N
ClientSampleId :
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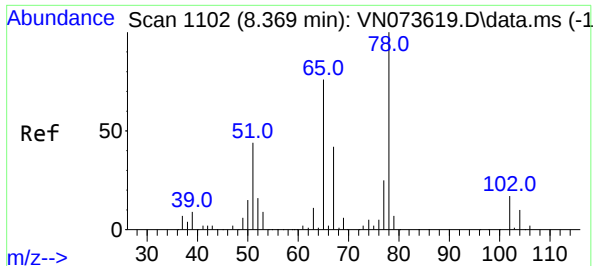
Tgt Ion: 49 Resp: 1711
Ion Ratio Lower Upper
49 100
129 62.0 0.0 4.6#
130 225.1 69.7 104.5#



#31
Cyclohexane
Concen: 1976.975 ug/l
RT: 7.639 min Scan# 978
Delta R.T. -0.383 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 56 Resp: 9234
Ion Ratio Lower Upper
56 100
69 173.0 27.8 41.8#
84 139.6 76.9 115.3#

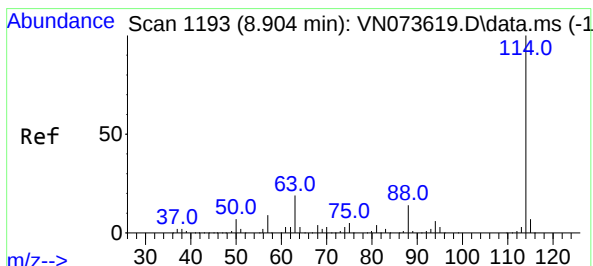
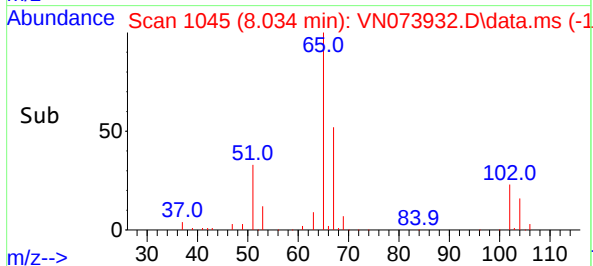
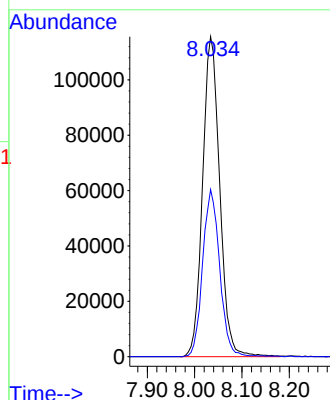
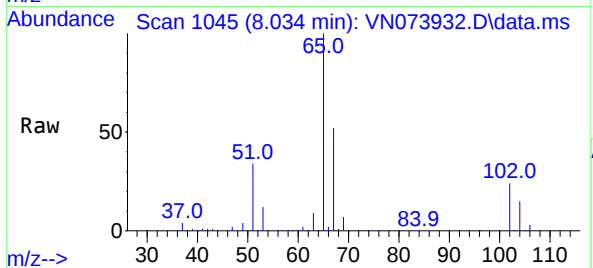




#33
1,2-Dichloroethane-d4
Concen: 86603.224 ug/l
RT: 8.034 min Scan# 1102
Delta R.T. -0.335 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

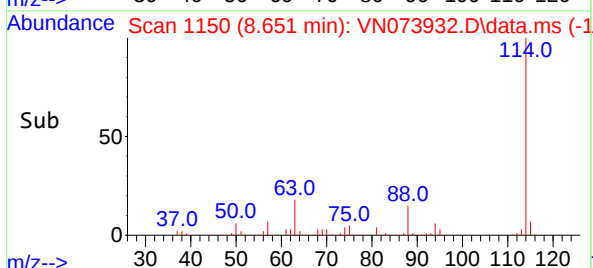
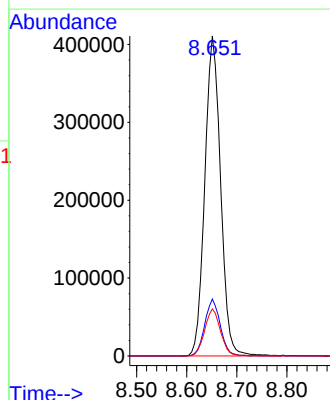
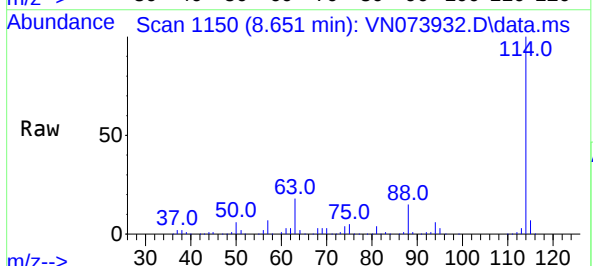
Instrument :
MSVOA_N
ClientSampleId :
S2

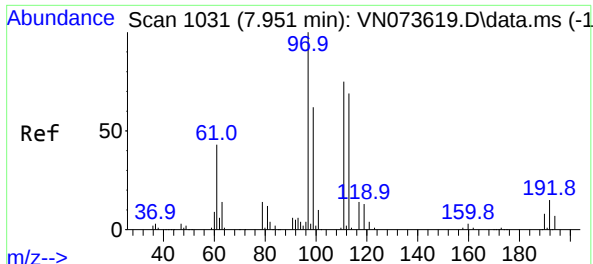
Tgt Ion: 65 Resp: 290168
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.651 min Scan# 1150
Delta R.T. -0.253 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 114 Resp: 899764
Ion Ratio Lower Upper
114 100
63 17.8 0.0 40.0
88 14.7 0.0 32.6



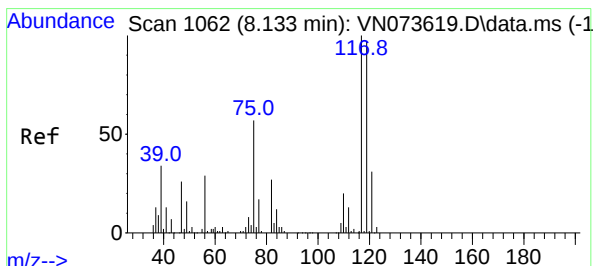
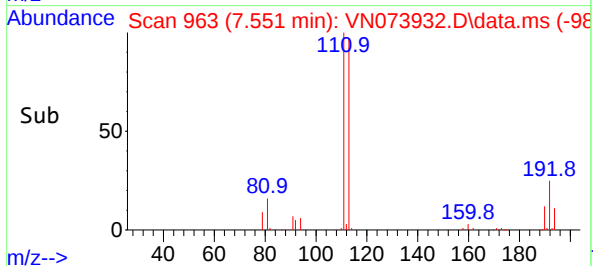
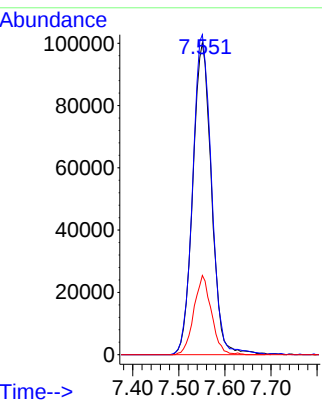
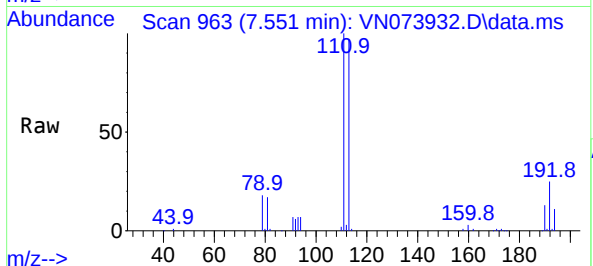


#35
Dibromofluoromethane
Concen: 53.186 ug/l
RT: 7.551 min Scan# 90
Delta R.T. -0.400 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Instrument :
MSVOA_N
ClientSampleId :
S2

Tgt Ion:113 Resp: 283011

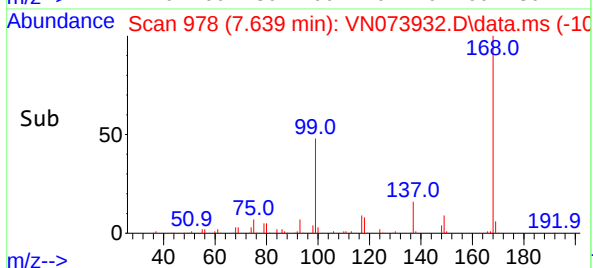
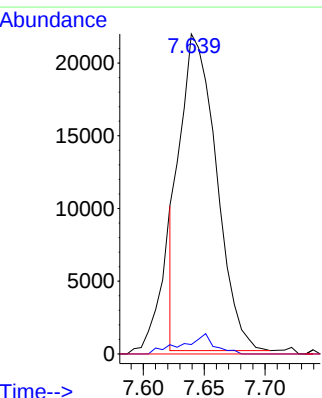
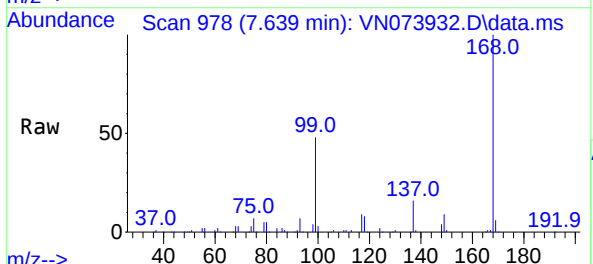
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	23.9	17.0	25.6

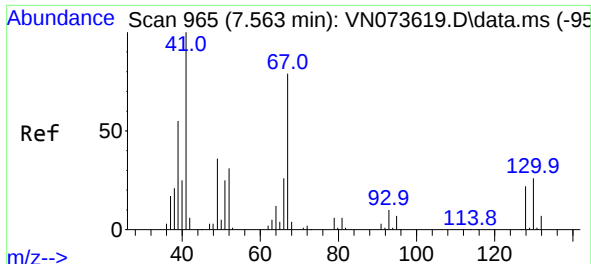


#38
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 7.639 min Scan# 978
Delta R.T. -0.494 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion:117 Resp: 44920

Ion	Ratio	Lower	Upper
117	100		
119	3.0	75.8	113.8#
121	0.0	24.6	37.0#

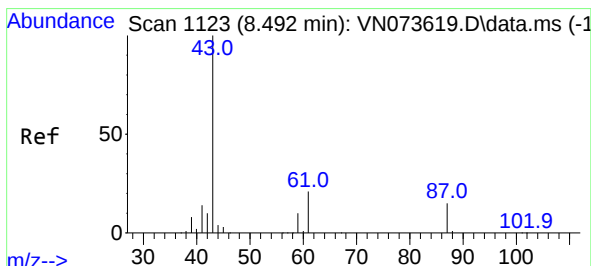
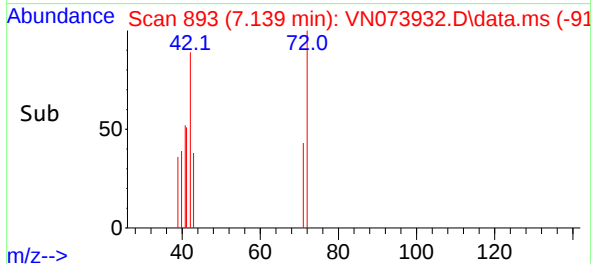
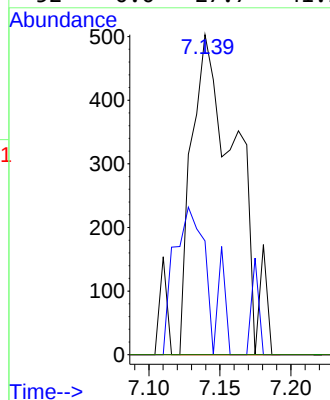
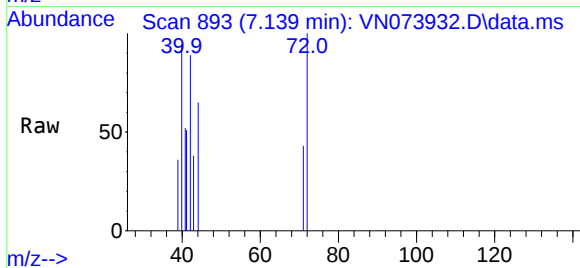




#41
Methacrylonitrile
Concen: 0.272 ug/l
RT: 7.139 min Scan# 893
Delta R.T. -0.424 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

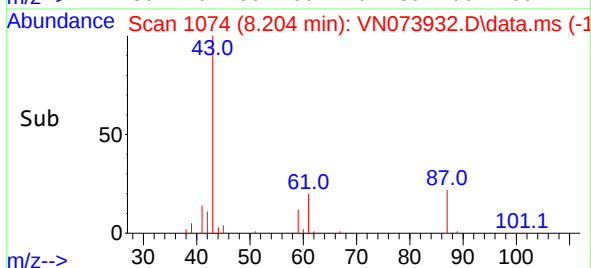
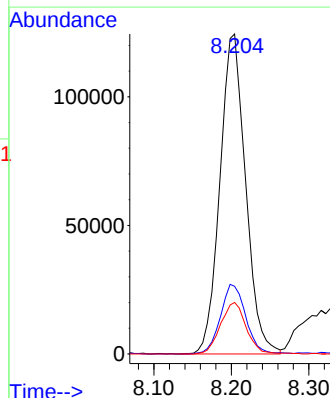
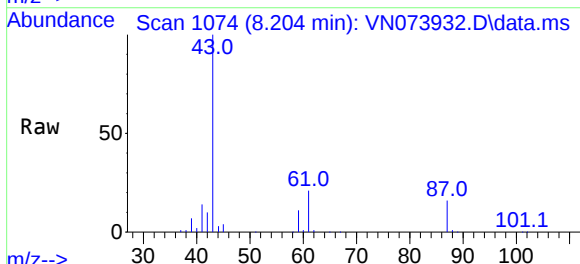
Instrument :
MSVOA_N
ClientSampleId :
S2

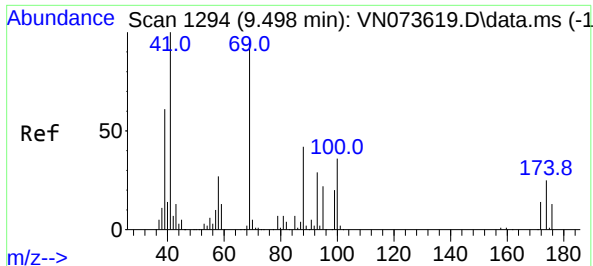
Tgt Ion: 41	Resp: 1100
Ion Ratio	Lower Upper
41 100	
39 35.9	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 22.470 ug/l
RT: 8.204 min Scan# 1074
Delta R.T. -0.288 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 43	Resp: 286624
Ion Ratio	Lower Upper
43 100	
61 21.5	21.9 32.9#
87 16.2	12.0 18.0

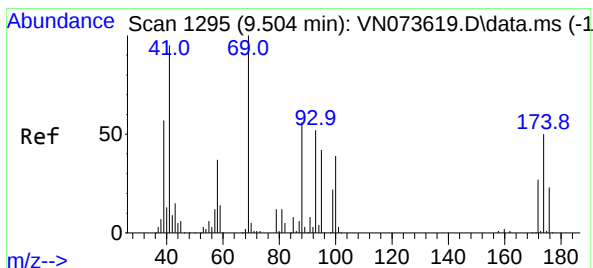
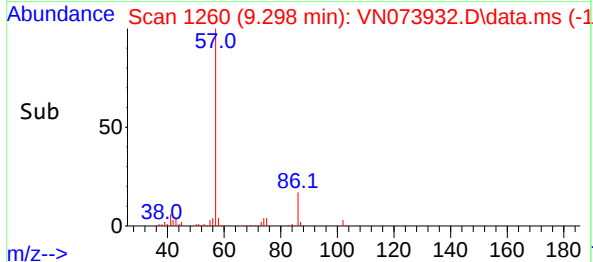
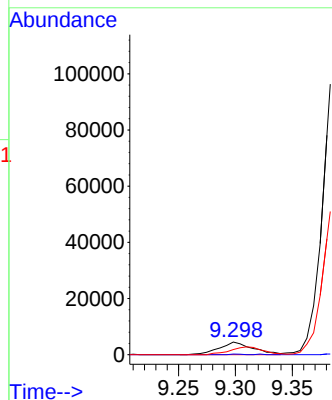
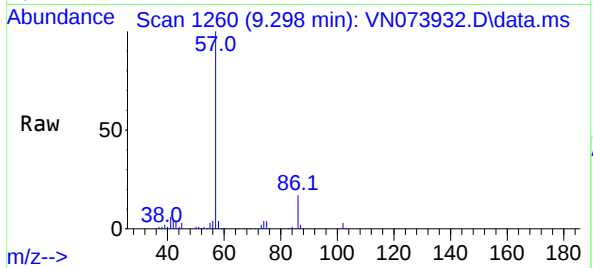




#48
Methyl methacrylate
Concen: 1.689 ug/l
RT: 9.298 min Scan# 11
Delta R.T. -0.200 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

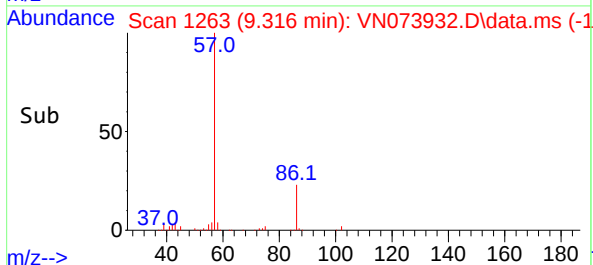
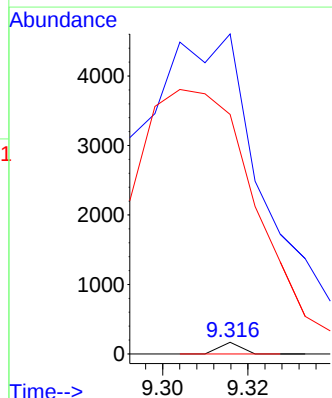
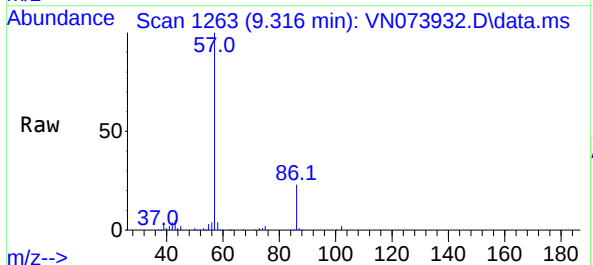
Instrument :
MSVOA_N
ClientSampleId :
S2

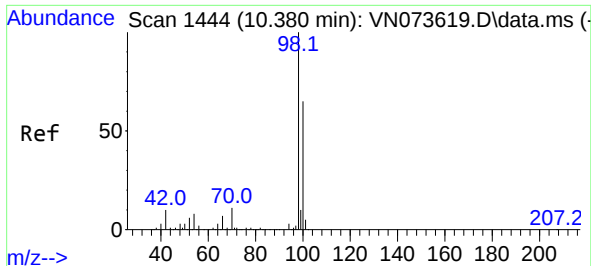
Tgt Ion: 41 Resp: 9221
Ion Ratio Lower Upper
41 100
69 1.5 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.370 ug/l
RT: 9.316 min Scan# 1263
Delta R.T. -0.188 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 13666.7 54.2 81.4#

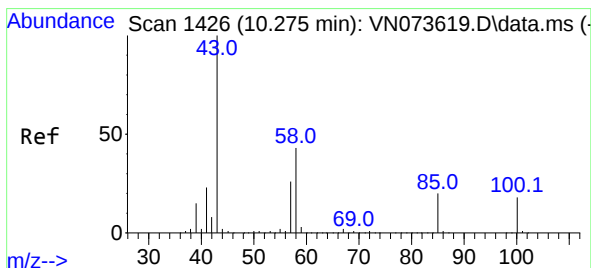
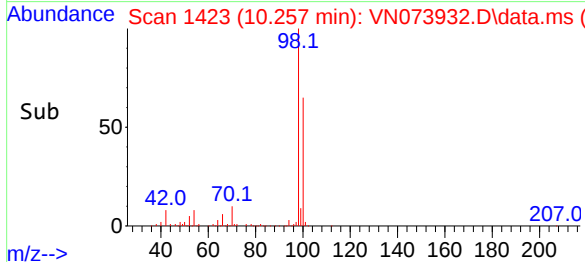
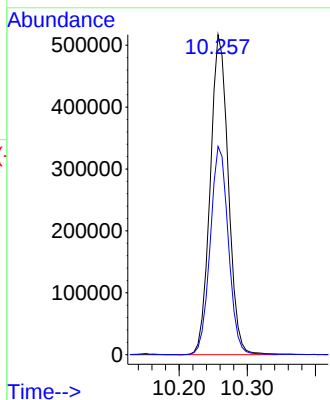
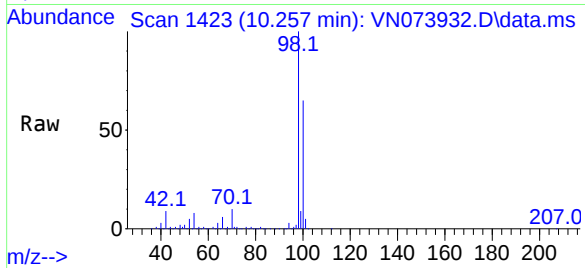




#50
Toluene-d8
Concen: 46.331 ug/l
RT: 10.257 min Scan# 14
Delta R.T. -0.123 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

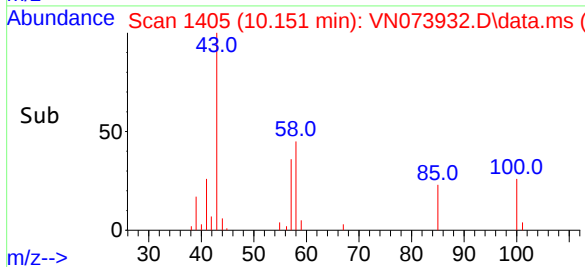
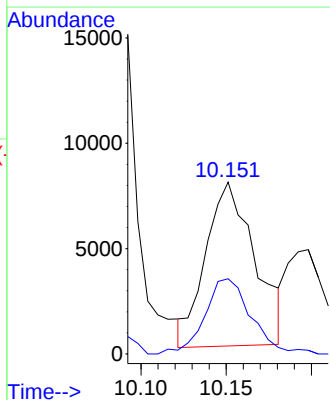
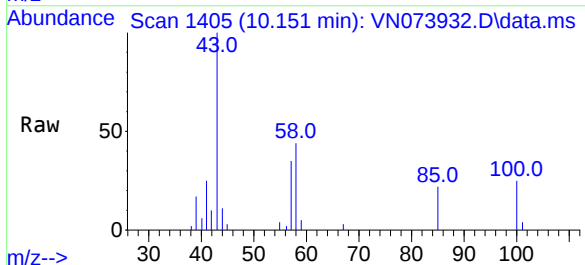
Instrument :
MSVOA_N
ClientSampleId :
S2

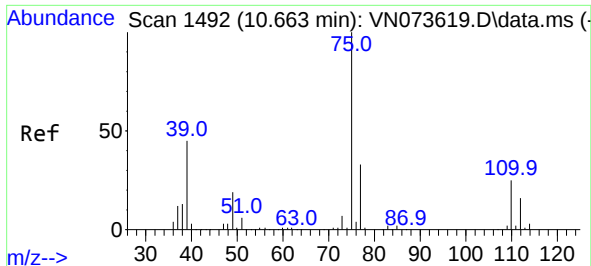
Tgt Ion: 98 Resp: 954799
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.814 ug/l
RT: 10.151 min Scan# 1405
Delta R.T. -0.124 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 43 Resp: 15640
Ion Ratio Lower Upper
43 100
58 43.2 34.1 51.1

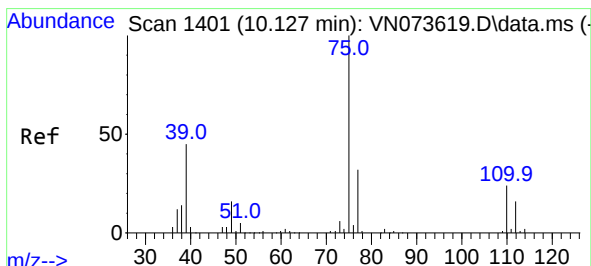
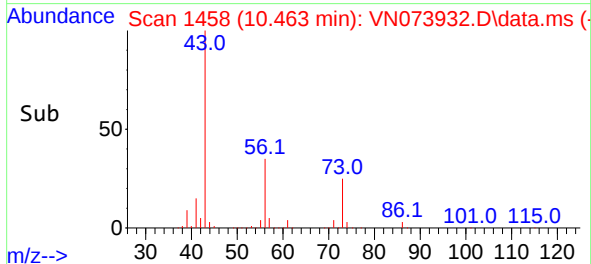
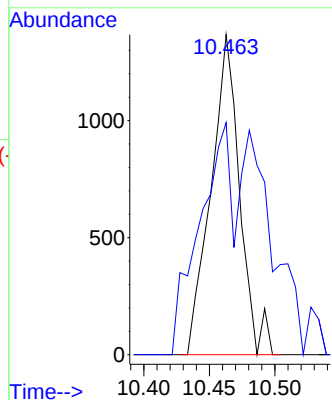
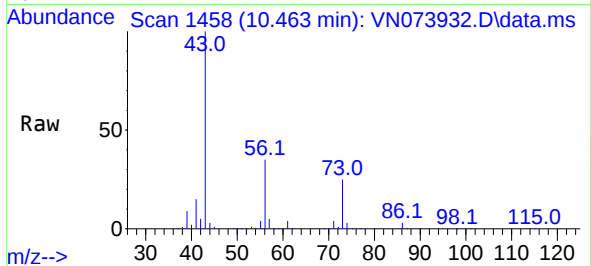




#53
t-1,3-Dichloropropene
Concen: 0.243 ug/l
RT: 10.463 min Scan# 1492
Delta R.T. -0.200 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

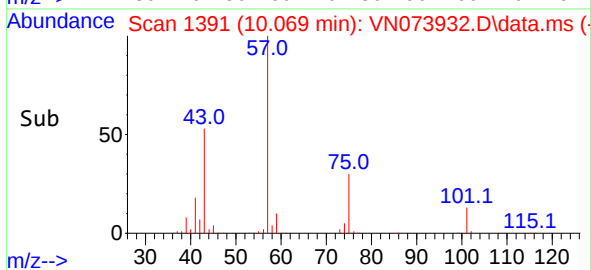
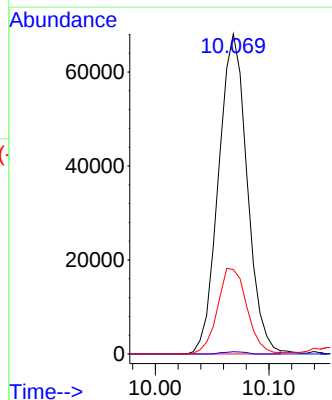
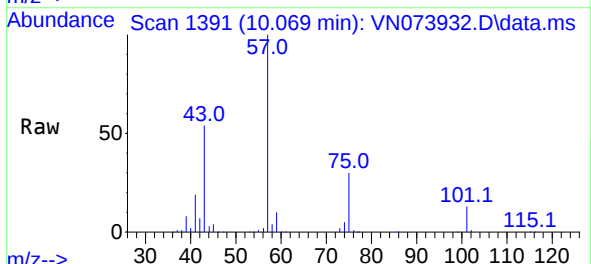
Instrument :
MSVOA_N
ClientSampleId :
S2

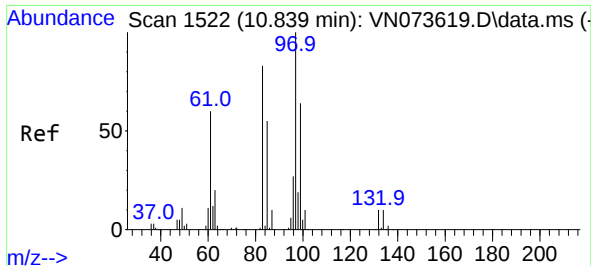
Tgt Ion: 75 Resp: 2074
Ion Ratio Lower Upper
75 100
77 46.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 12.779 ug/l
RT: 10.069 min Scan# 1391
Delta R.T. -0.058 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 75 Resp: 119207
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 26.4 35.7 53.5#

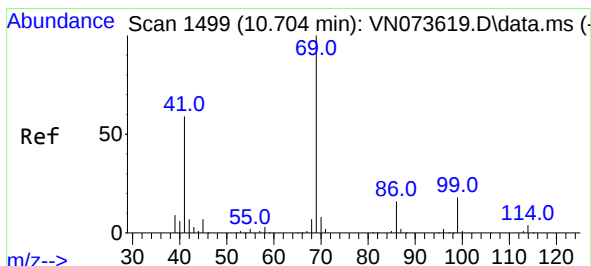
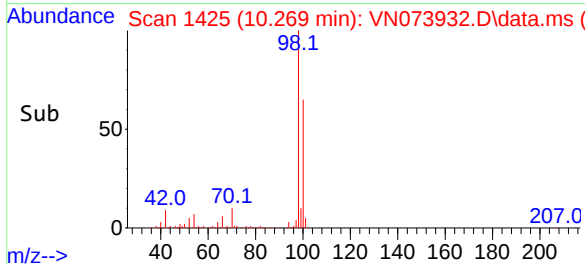
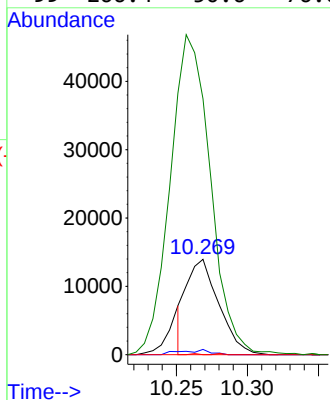
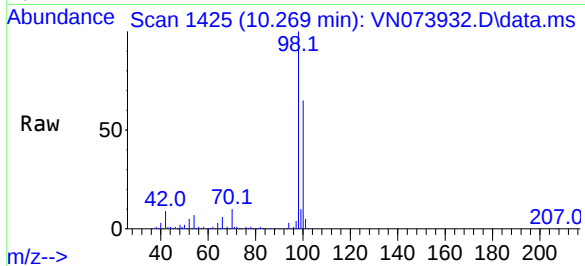




#55
1,1,2-Trichloroethane
Concen: 3.523 ug/l
RT: 10.269 min Scan# 1445
Delta R.T. -0.570 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

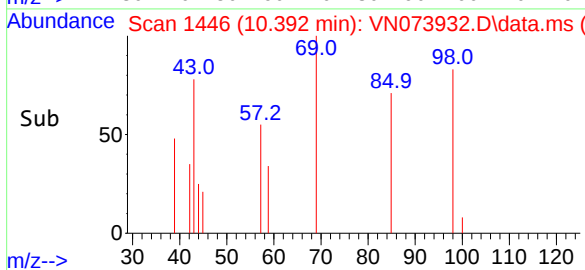
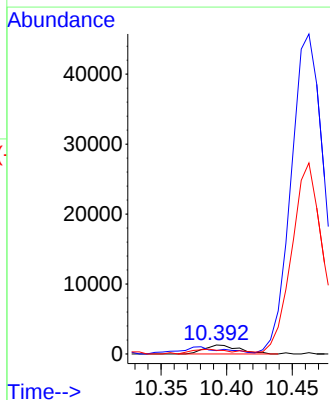
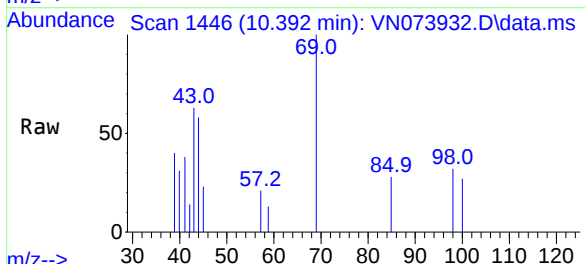
Instrument :
MSVOA_N
ClientSampleId :
S2

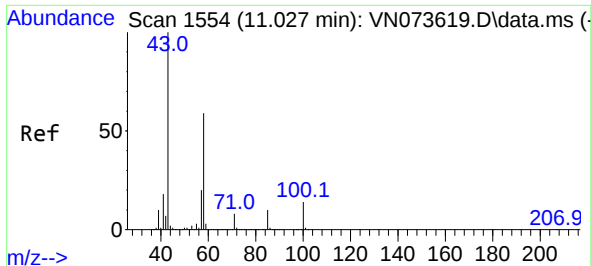
Tgt Ion:	97	Resp:	21918
Ion	Ratio	Lower	Upper
97	100		
83	5.5	66.2	99.4#
85	0.0	43.9	65.9#
99	266.4	50.6	76.0#



#56
Ethyl methacrylate
Concen: 0.265 ug/l
RT: 10.392 min Scan# 1446
Delta R.T. -0.312 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion:	69	Resp:	2348
Ion	Ratio	Lower	Upper
69	100		
41	0.0	47.8	71.6#
39	68.8	27.3	40.9#

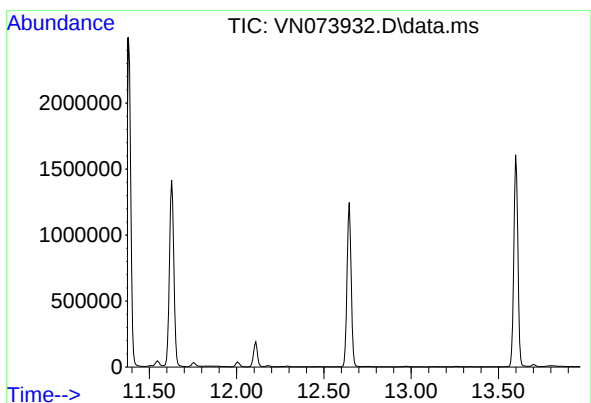
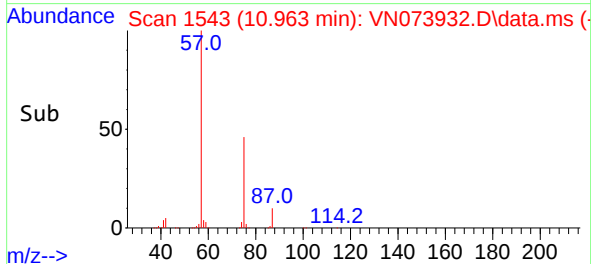
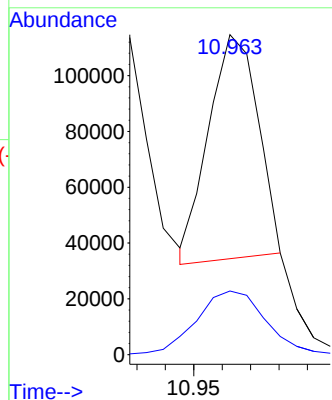
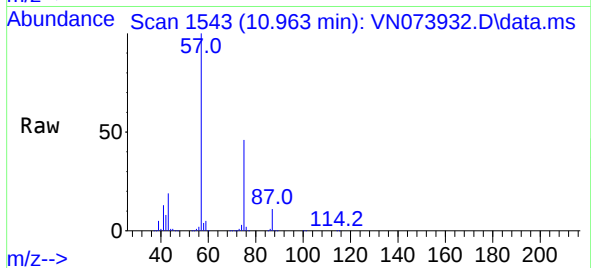




#59
2-Hexanone
Concen: 14.596 ug/l
RT: 10.963 min Scan# 11
Delta R.T. -0.064 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Instrument :
MSVOA_N
ClientSampleId :
S2

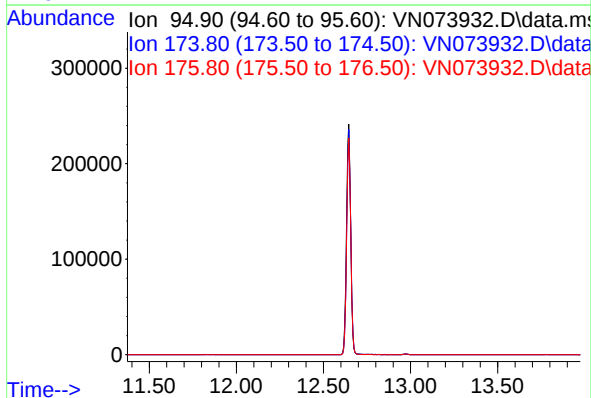
Tgt Ion: 43 Resp: 96875
Ion Ratio Lower Upper
43 100
58 38.5 29.7 89.1

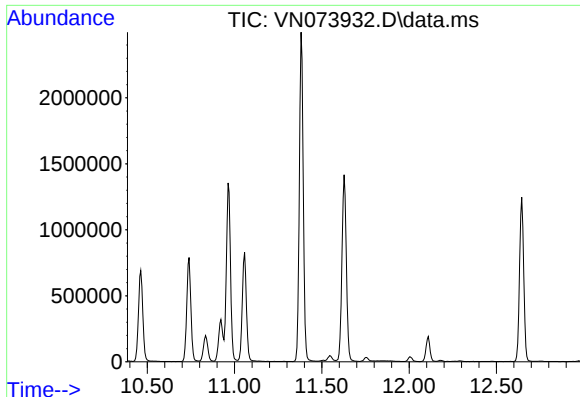


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.67 min

Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion: 95
Sig Exp Ratio
95 100
174 83.8
176 81.7

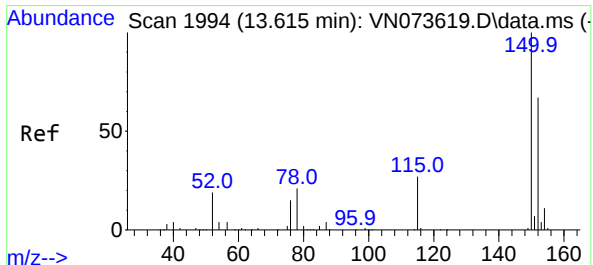
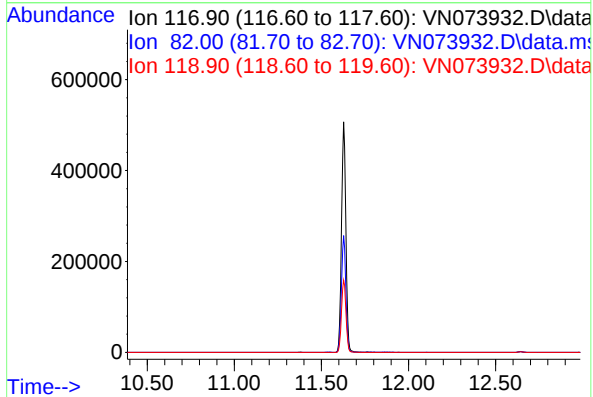




#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.69 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

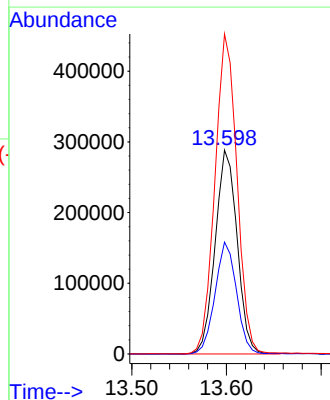
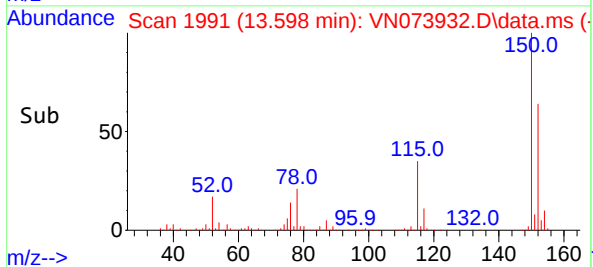
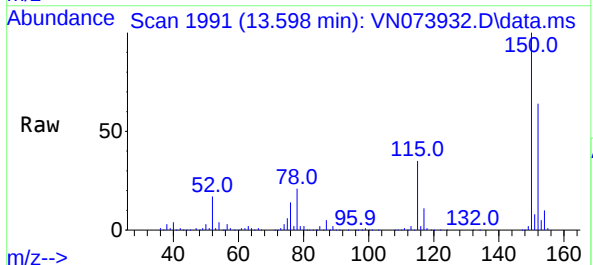
Instrument :
MSVOA_N
ClientSampleId :
S2

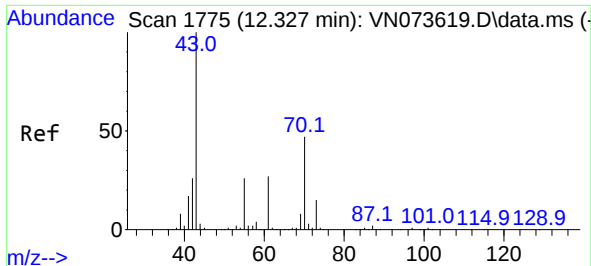
Tgt Ion: 117
Sig Exp Ratio
117 100
82 55.2
119 31.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.598 min Scan# 1991
Delta R.T. -0.017 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

Tgt Ion:152 Resp: 465771
Ion Ratio Lower Upper
152 100
115 53.7 28.9 86.7
150 157.8 0.0 356.2

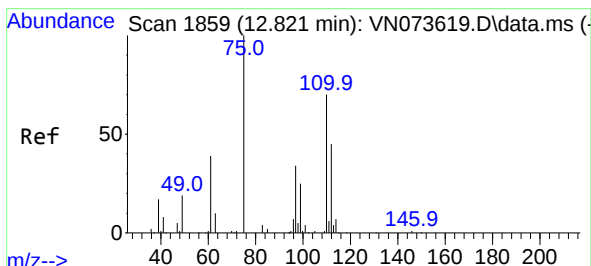
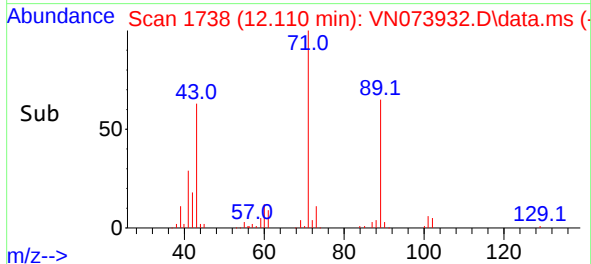
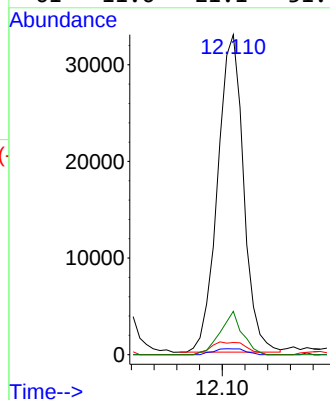
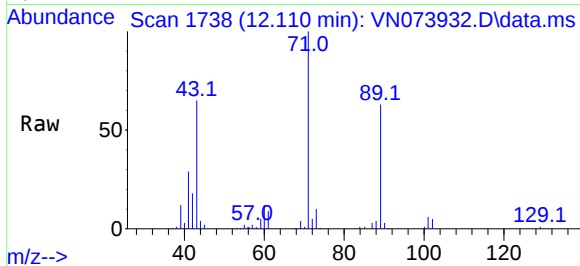




#74
N-amy1 acetate
Concen: 4.072 ug/l
RT: 12.110 min Scan# 1775
Delta R.T. -0.217 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

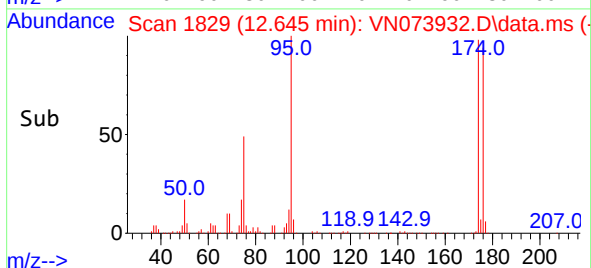
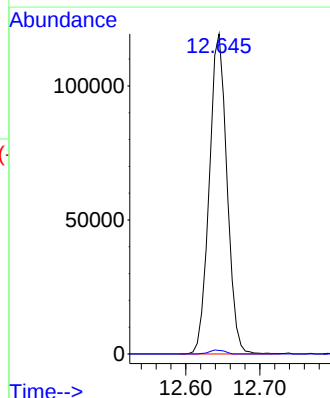
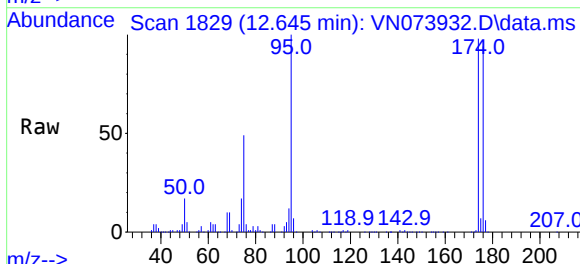
Instrument :
MSVOA_N
ClientSampleId :
S2

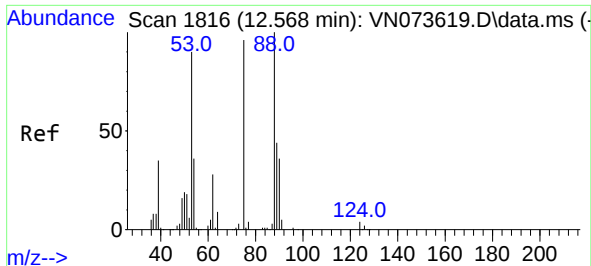
Tgt Ion:	43	Resp:	52205
Ion	Ratio	Lower	Upper
43	100		
70	2.3	39.0	58.4#
55	5.5	21.1	31.7#
61	11.6	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.467 ug/l
RT: 12.645 min Scan# 1829
Delta R.T. -0.176 min
Lab File: VN073932.D
Acq: 16 Aug 2022 07:00

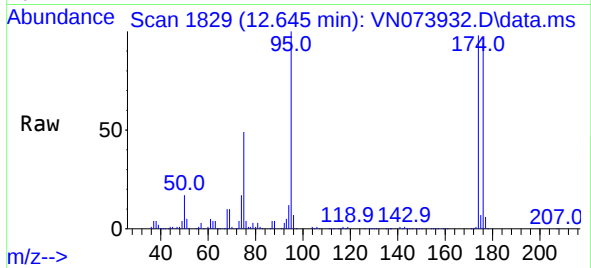
Tgt Ion:	75	Resp:	198141
Ion	Ratio	Lower	Upper
75	100		
77	1.1	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.212 ug/l
 RT: 12.645 min Scan# 1829
 Delta R.T. 0.077 min
 Lab File: VN073932.D
 Acq: 16 Aug 2022 07:00

Instrument :
 MSVOA_N
 ClientSampleId :
 S2



Tgt Ion: 75 Resp: 198141
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

