

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073954.D
 Acq On : 16 Aug 2022 17:25
 Operator : JC\MD
 Sample : PB146976ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#10

Quant Time: Aug 17 01:18:26 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)

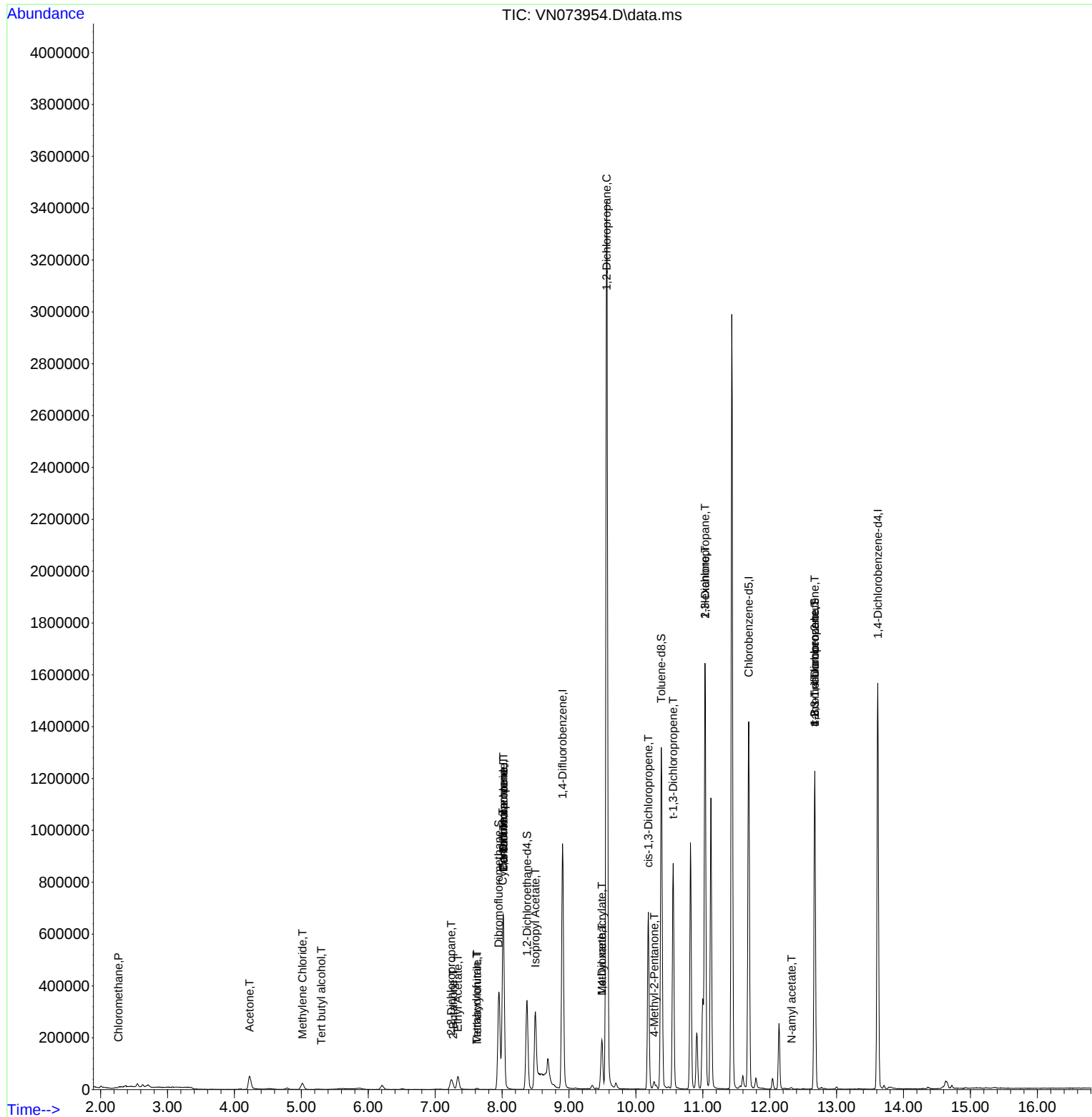
Internal Standards						
1) Pentafluorobenzene	8.022	168	590243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	886408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	873947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	459795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	289787	50.407	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.820%			
35) Dibromofluoromethane	7.951	113	281323	53.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.340%			
50) Toluene-d8	10.380	98	944742	46.534	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.060%			
62) 4-Bromofluorobenzene	12.674	95	393765	58.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.880%			
Target Compounds						Qvalue
3) Chloromethane	2.269	50	1041	0.200	ug/l	97
11) Tert butyl alcohol	5.298	59	1127	0.876	ug/l #	72
16) Acetone	4.228	43	96981	35.756	ug/l	99
18) Methyl Acetate	4.792	43	11058	Below Cal		92
20) Methylene Chloride	5.016	84	20480	3.578	ug/l	93
25) 2-Butanone	7.269	43	14909	3.467	ug/l	89
26) 2,2-Dichloropropane	7.239	77	2719	0.318	ug/l #	53
29) Tetrahydrofuran	7.622	42	3245	1.176	ug/l	88
31) Cyclohexane	8.010	56	9577	1.195	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	37206	5.110	ug/l #	49
37) Ethyl Acetate	7.339	43	76225	8.641	ug/l	99
38) Carbon Tetrachloride	8.022	117	51323	6.167	ug/l #	16
41) Methacrylonitrile	7.628	41	1764	0.443	ug/l #	37
43) Isopropyl Acetate	8.498	43	388905	30.948	ug/l #	87
45) 1,2-Dichloropropane	9.563	63	5023	0.912	ug/l #	44
48) Methyl methacrylate	9.492	41	11560	2.150	ug/l #	39
49) 1,4-Dioxane	9.492	88	121	0.757	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	28662	3.374	ug/l #	74
53) t-1,3-Dichloropropene	10.557	75	2311	0.275	ug/l #	8
54) cis-1,3-Dichloropropene	10.186	75	127974	13.926	ug/l #	63
57) 1,3-Dichloropropane	11.033	76	18496	1.856	ug/l #	42
59) 2-Hexanone	11.033	43	215013	32.883	ug/l #	48
74) N-amyl acetate	12.327	43	3176	0.251	ug/l #	41
76) 1,2,3-Trichloropropane	12.674	75	198920	20.815	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	198920	59.200	ug/l #	10

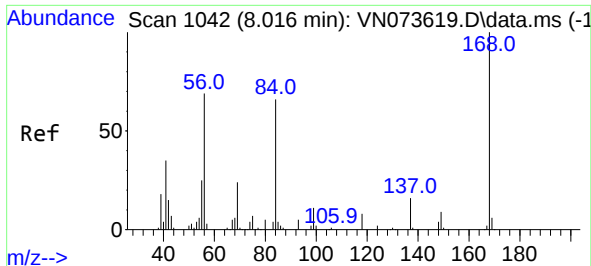
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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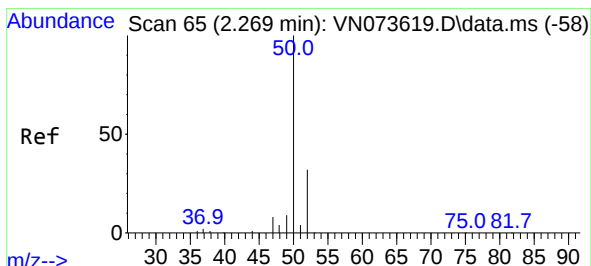
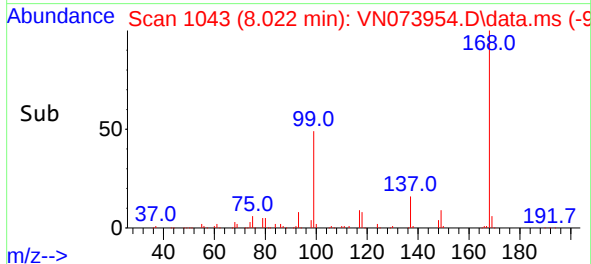
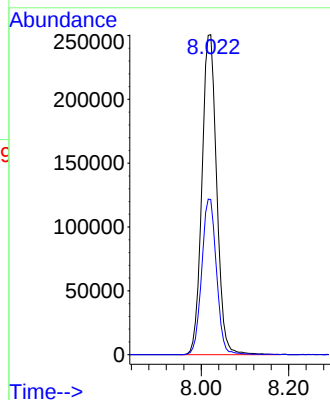
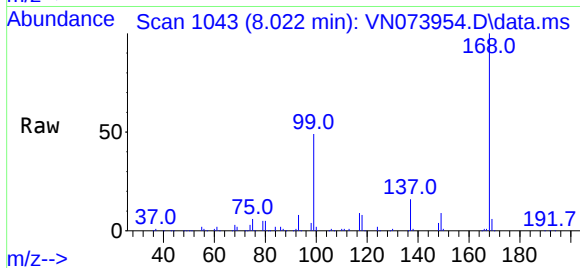




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

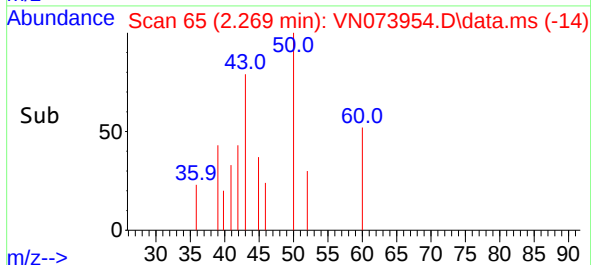
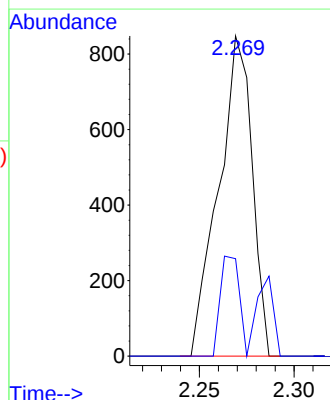
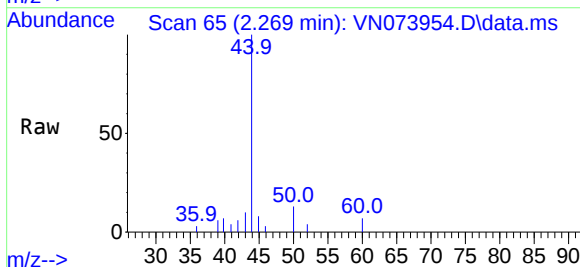
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

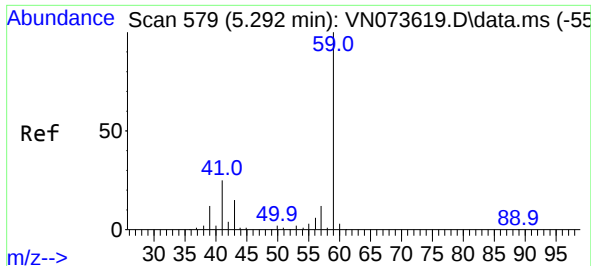
Tgt Ion:168 Resp: 590243
Ion Ratio Lower Upper
168 100
99 48.5 42.3 63.5



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion: 50 Resp: 1041
Ion Ratio Lower Upper
50 100
52 30.4 25.7 38.5

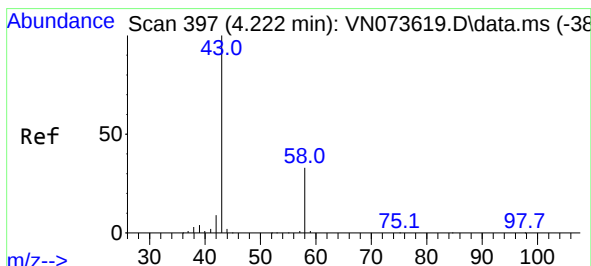
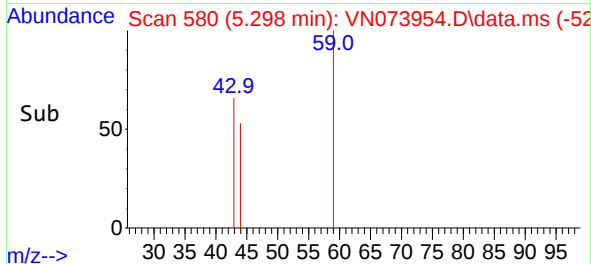
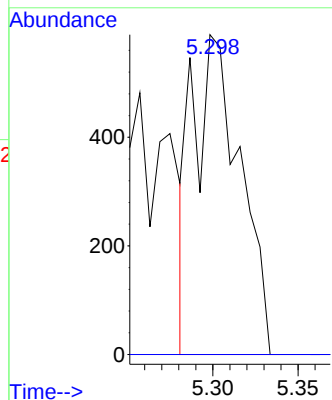
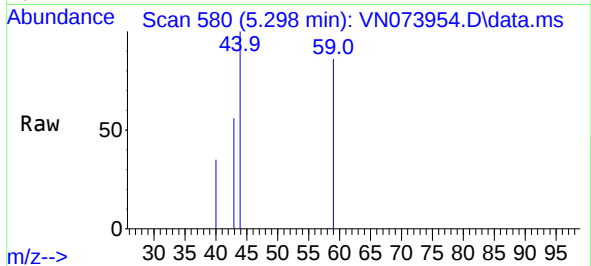




#11
Tert butyl alcohol
Concen: 0.876 ug/l
RT: 5.298 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

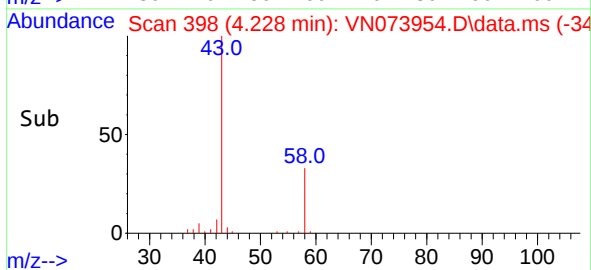
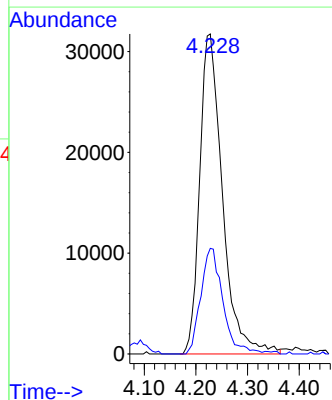
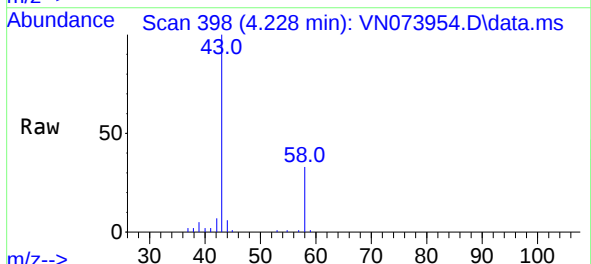
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

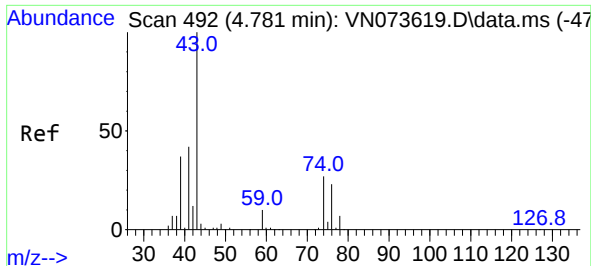
Tgt Ion: 59 Resp: 1127
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 35.756 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion: 43 Resp: 96981
Ion Ratio Lower Upper
43 100
58 33.0 26.0 39.0

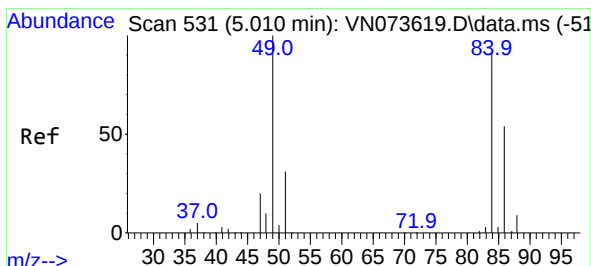
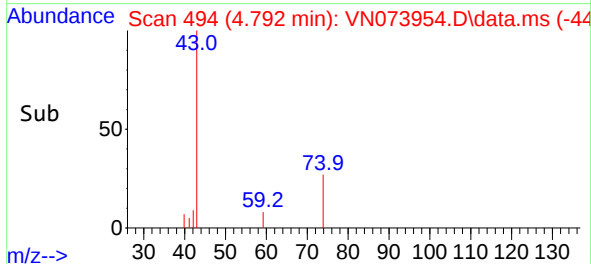
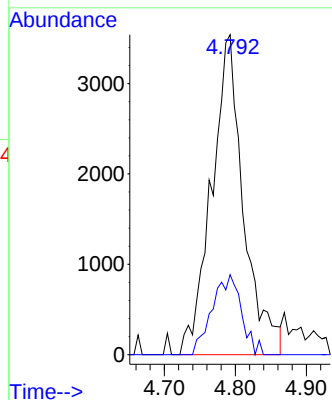
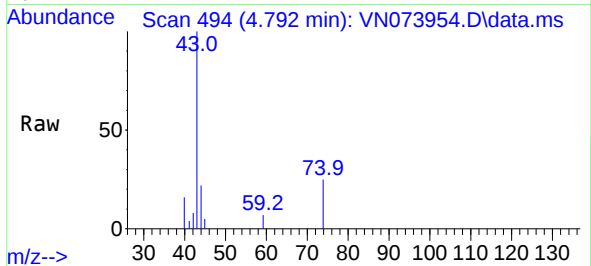




#18
Methyl Acetate
Concen: Below Cal
RT: 4.792 min Scan# 494
Delta R.T. 0.011 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

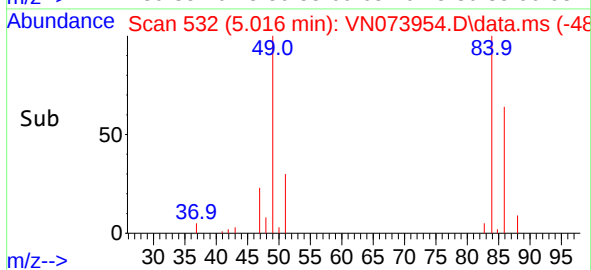
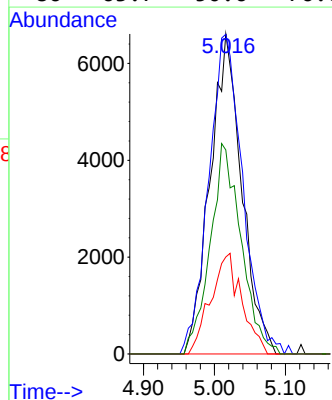
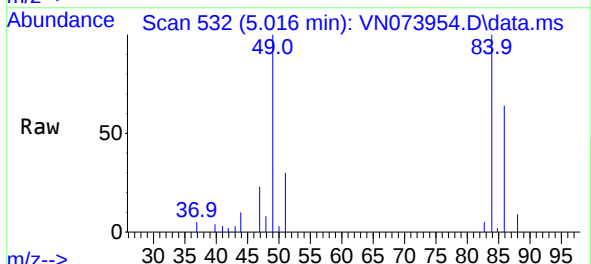
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

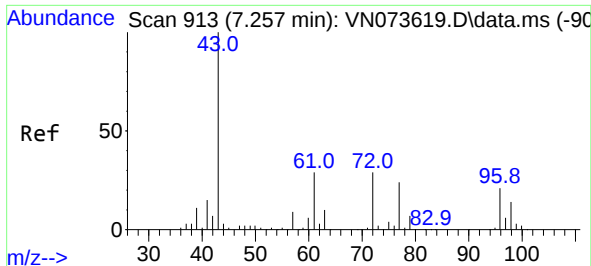
Tgt Ion: 43 Resp: 11058
Ion Ratio Lower Upper
43 100
74 22.9 21.6 32.4



#20
Methylene Chloride
Concen: 3.578 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion: 84 Resp: 20480
Ion Ratio Lower Upper
84 100
49 99.9 88.3 132.5
51 30.3 28.2 42.2
86 63.7 50.6 76.0





#25

2-Butanone

Concen: 3.467 ug/l

RT: 7.269 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN073954.D

Acq: 16 Aug 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

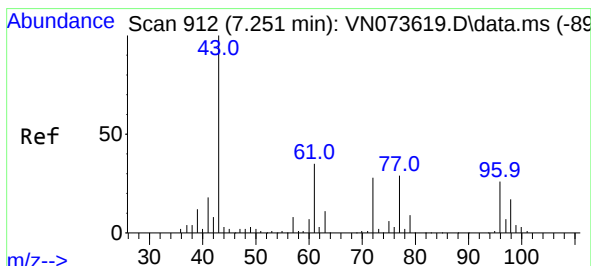
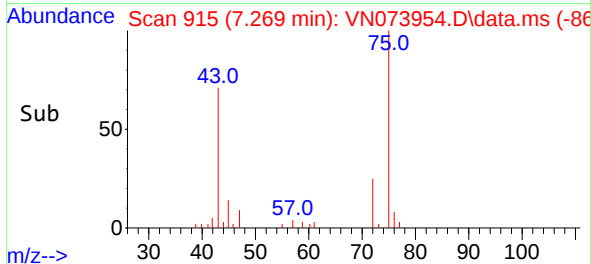
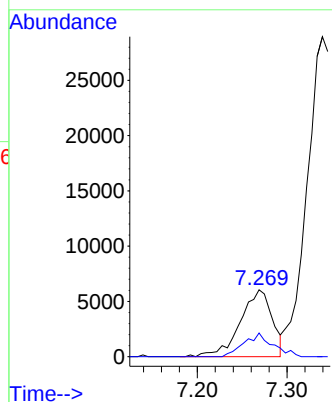
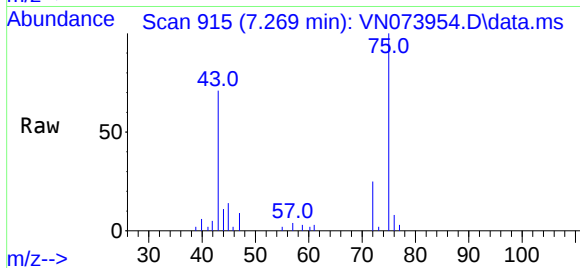
PB146976ZHE#10

Tgt Ion: 43 Resp: 14909

Ion Ratio Lower Upper

43 100

72 35.4 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.318 ug/l

RT: 7.239 min Scan# 910

Delta R.T. -0.012 min

Lab File: VN073954.D

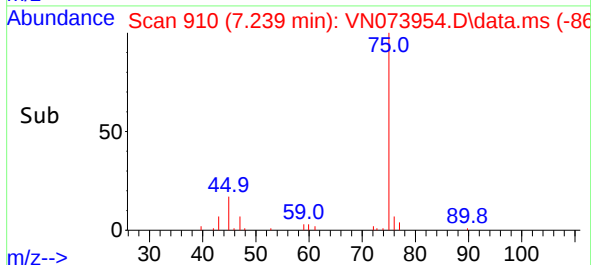
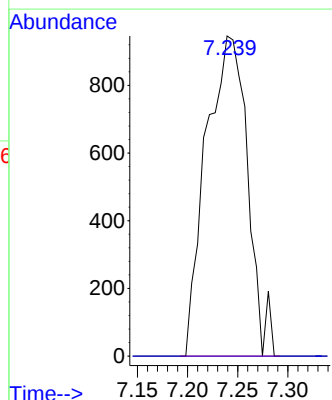
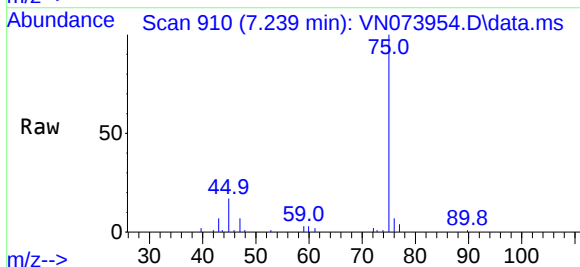
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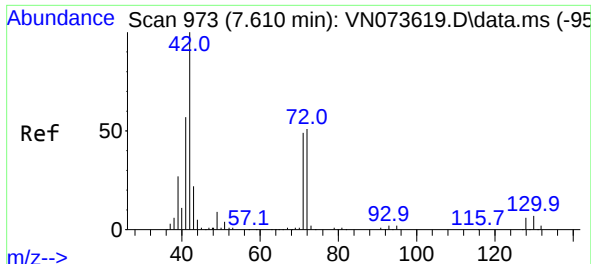
Tgt Ion: 77 Resp: 2719

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

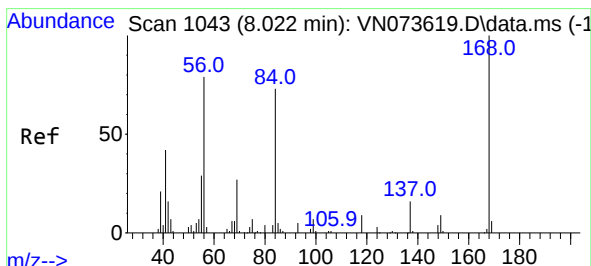
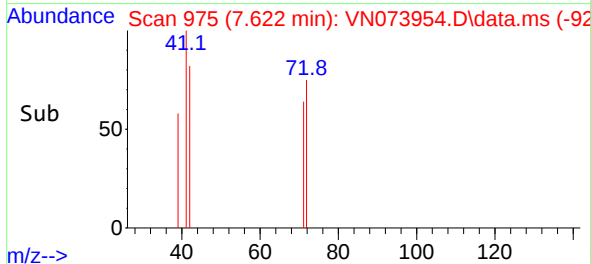
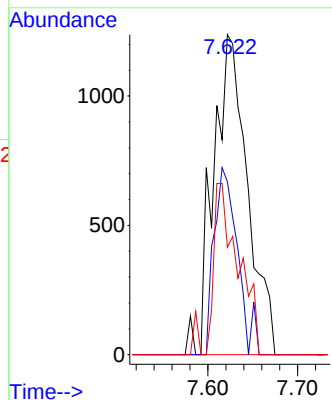
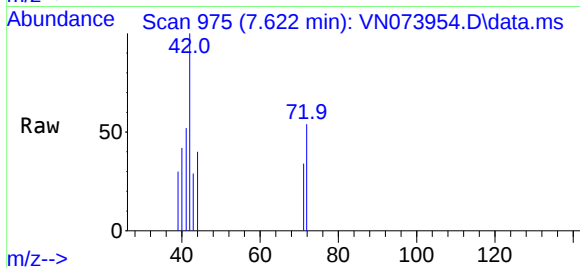




#29
Tetrahydrofuran
Concen: 1.176 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

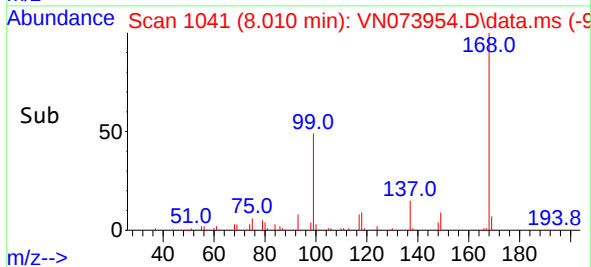
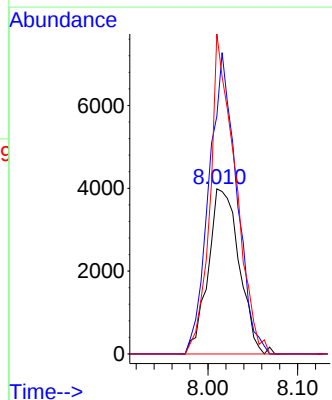
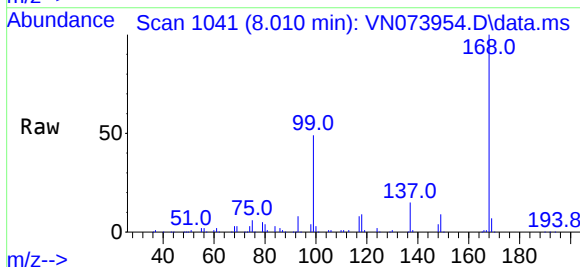
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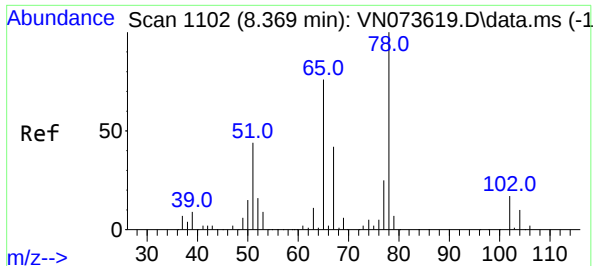
Tgt Ion:	42	Resp:	3245
Ion	Ratio	Lower	Upper
42	100		
72	40.3	39.7	59.5
71	38.5	36.6	55.0



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion:	56	Resp:	9577
Ion	Ratio	Lower	Upper
56	100		
69	144.0	27.8	41.8#
84	193.8	76.9	115.3#

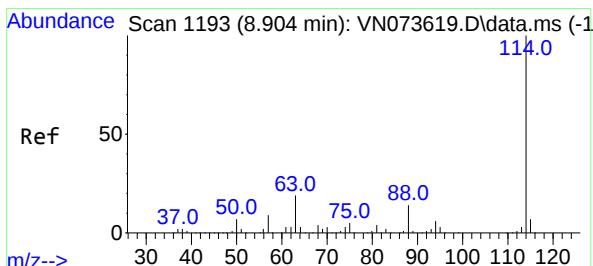
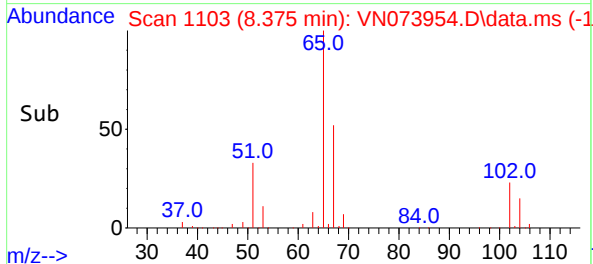
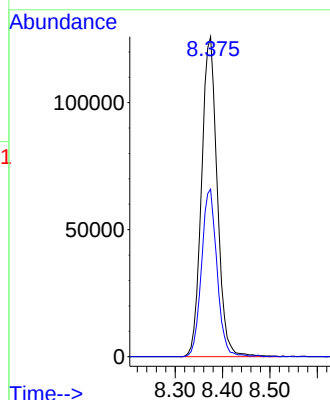
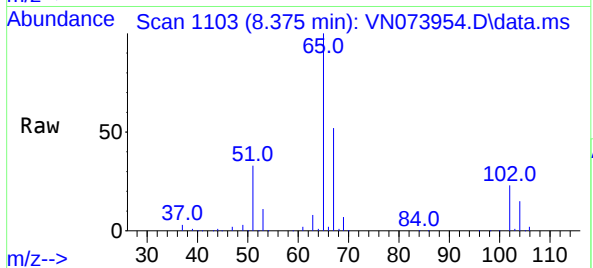




#33
 1,2-Dichloroethane-d4
 Concen: 50.407 ug/l
 RT: 8.375 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VN073954.D
 Acq: 16 Aug 2022 17:25

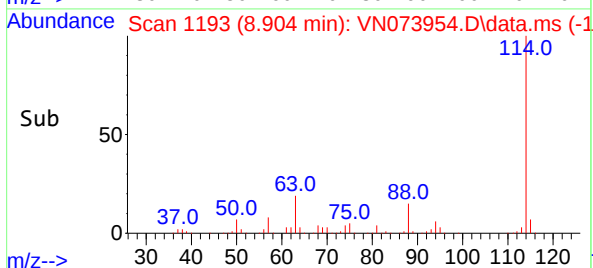
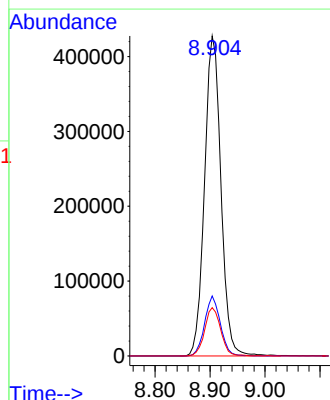
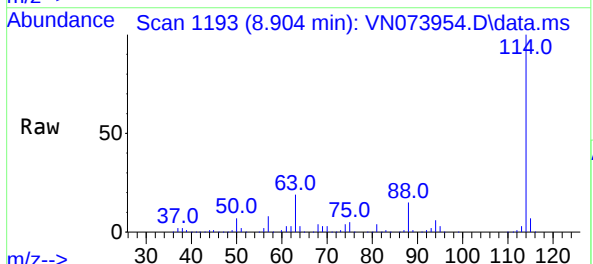
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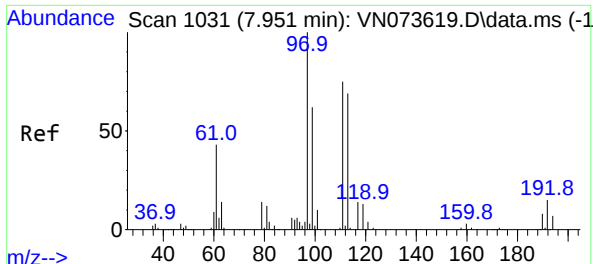
Tgt Ion: 65 Resp: 289787
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. -0.000 min
 Lab File: VN073954.D
 Acq: 16 Aug 2022 17:25

Tgt Ion: 114 Resp: 886408
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.0
 88 15.1 0.0 32.6

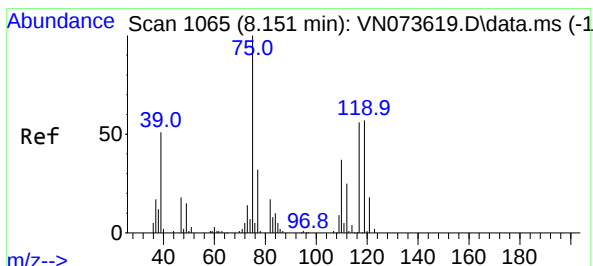
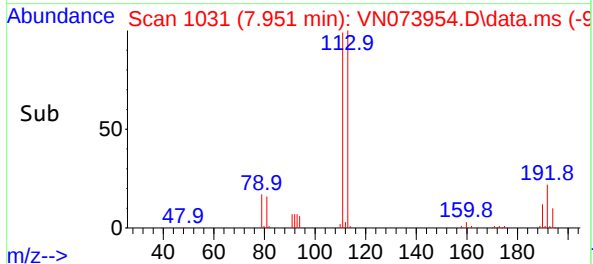
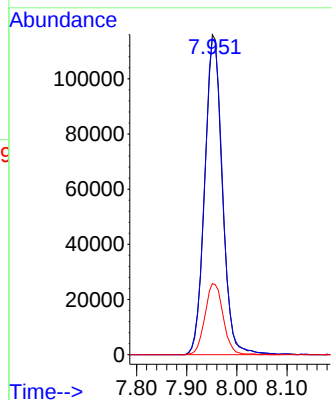
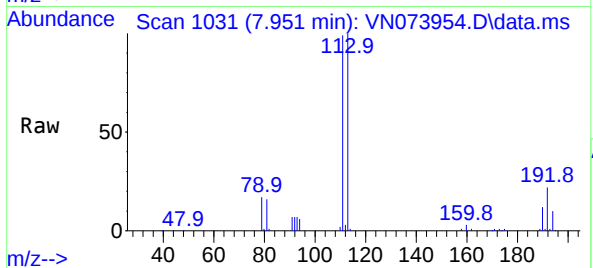




#35
Dibromofluoromethane
Concen: 53.666 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

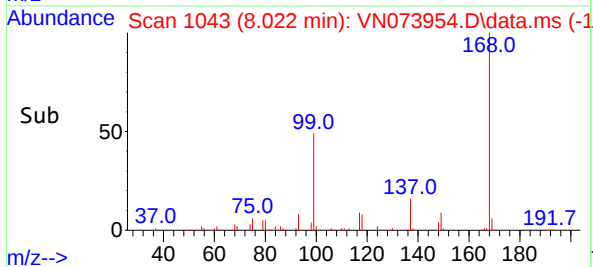
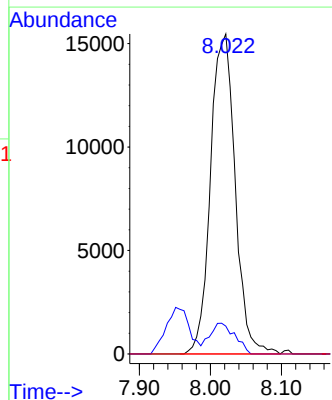
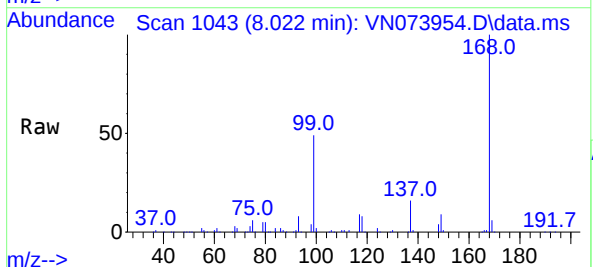
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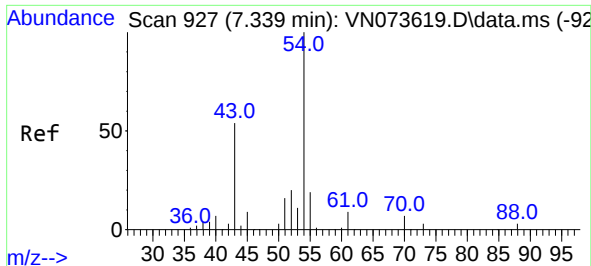
Tgt Ion:113 Resp: 281323
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 23.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion: 75 Resp: 37206
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 25.1 37.7#

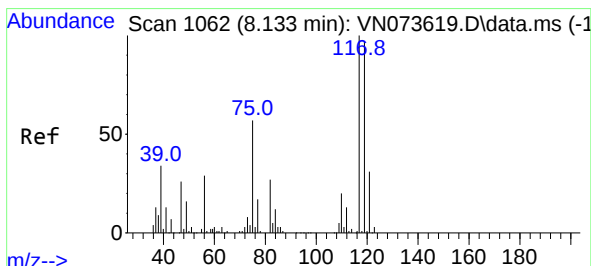
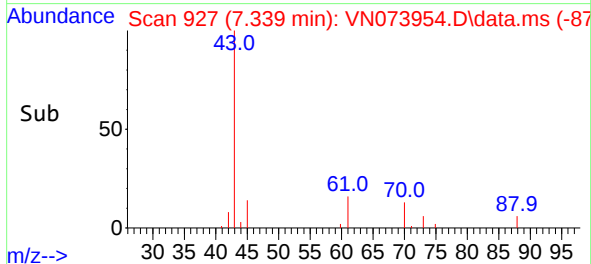
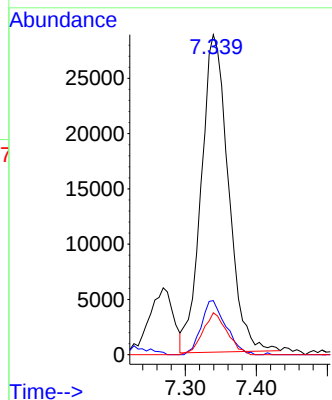
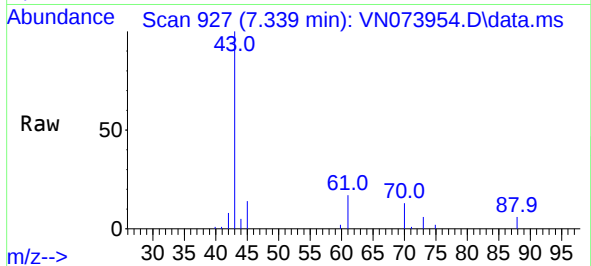




#37
Ethyl Acetate
Concen: 8.641 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

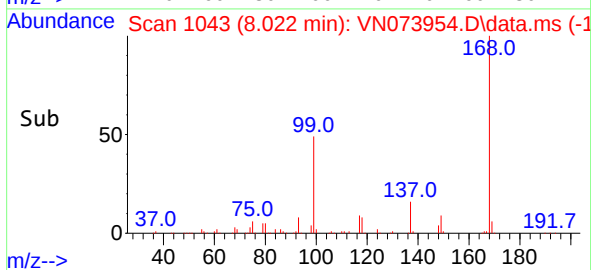
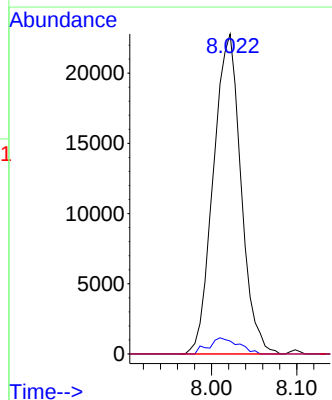
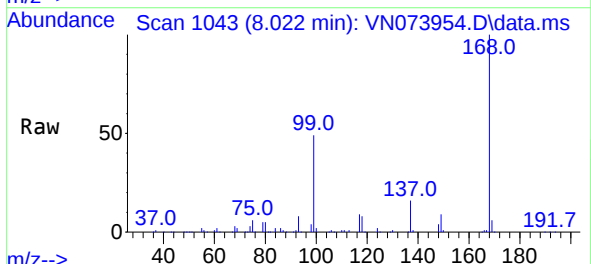
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

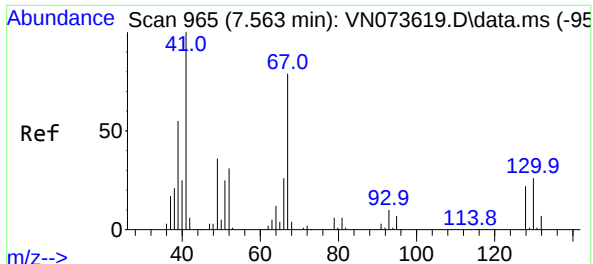
Tgt Ion:	43	Resp:	76225
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	11.9	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.167 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion:	117	Resp:	51323
Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.8	113.8#
121	0.0	24.6	37.0#

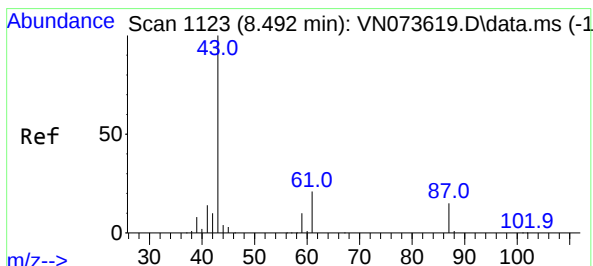
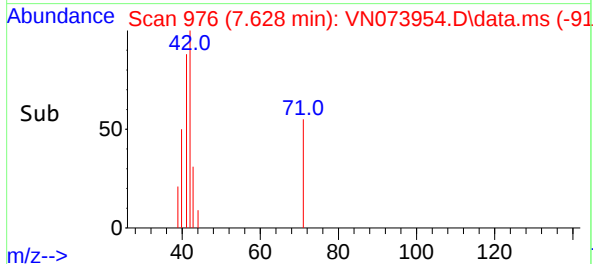
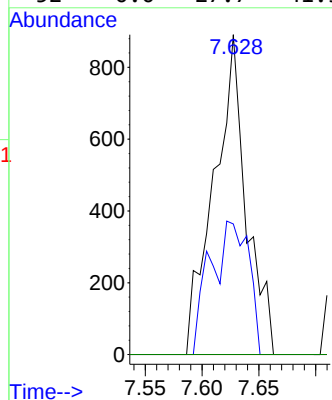
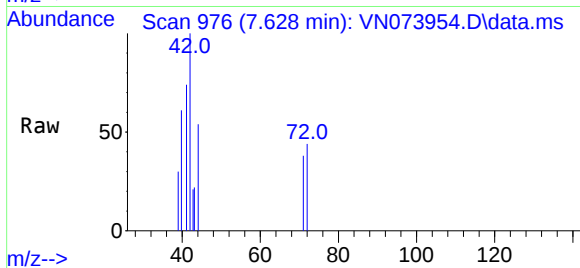




#41
Methacrylonitrile
Concen: 0.443 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

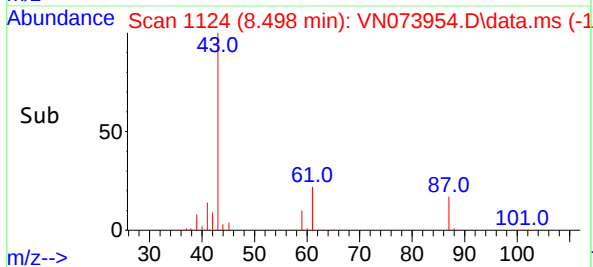
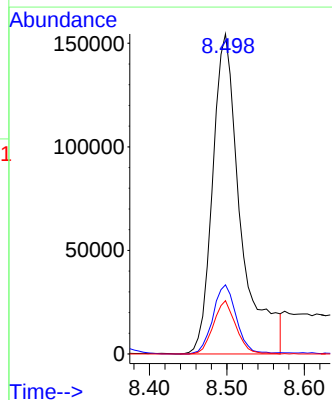
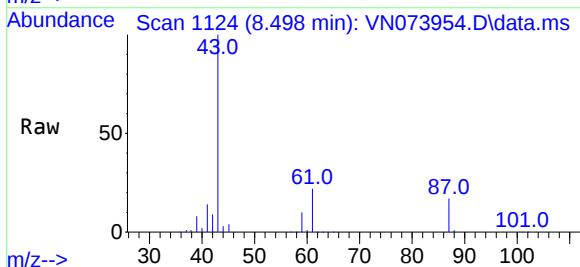
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

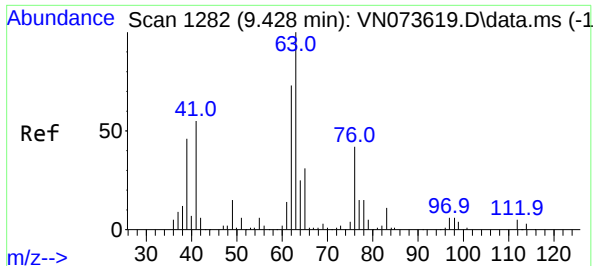
Tgt Ion:	41	Resp:	1764
Ion	Ratio	Lower	Upper
41	100		
39	49.5	48.6	73.0
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 30.948 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion:	43	Resp:	388905
Ion	Ratio	Lower	Upper
43	100		
61	18.1	21.9	32.9#
87	13.4	12.0	18.0

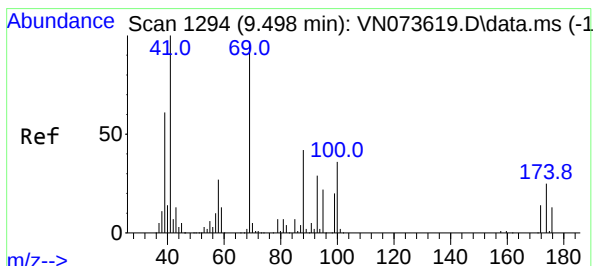
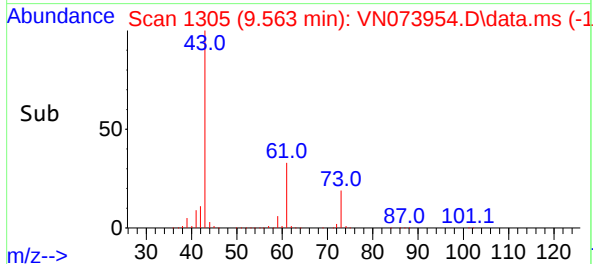
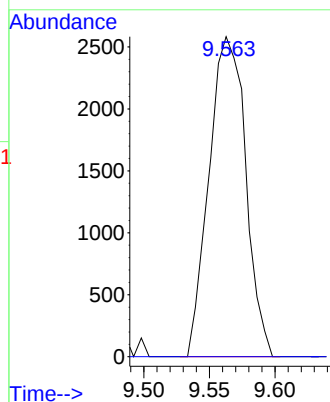
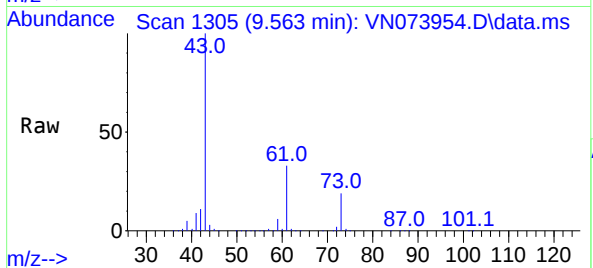




#45
1,2-Dichloropropane
Concen: 0.912 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

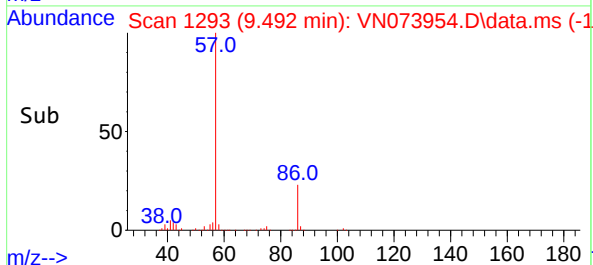
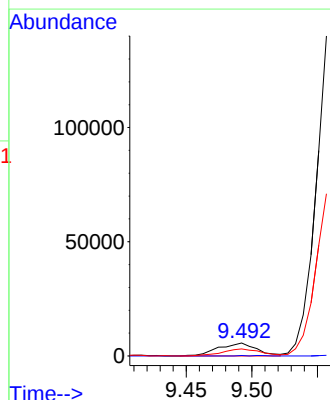
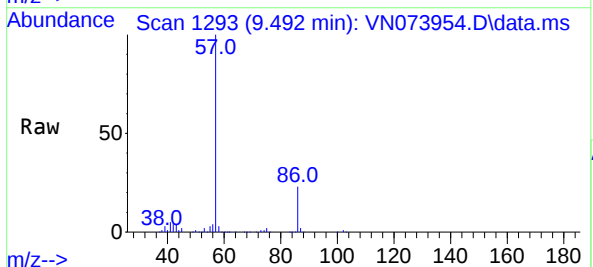
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

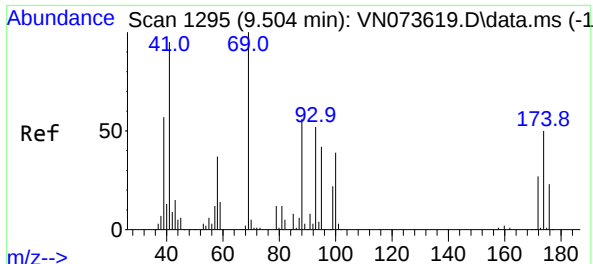
Tgt Ion: 63 Resp: 5023
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.150 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion: 41 Resp: 11560
Ion Ratio Lower Upper
41 100
69 1.6 74.7 112.1#
39 54.6 45.6 68.4

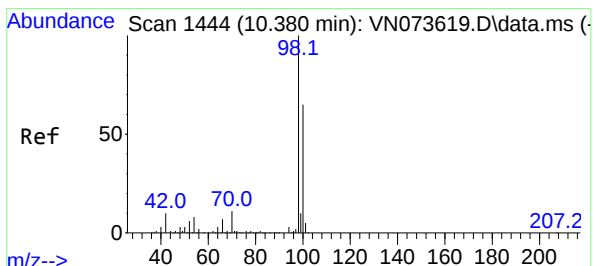
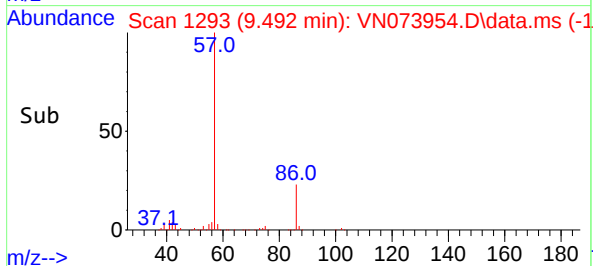
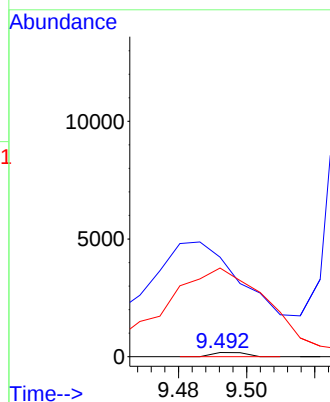
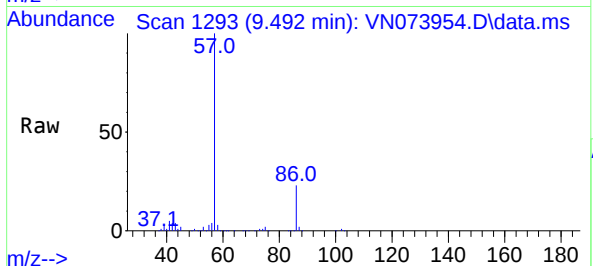




#49
1,4-Dioxane
Concen: 0.757 ug/l
RT: 9.492 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

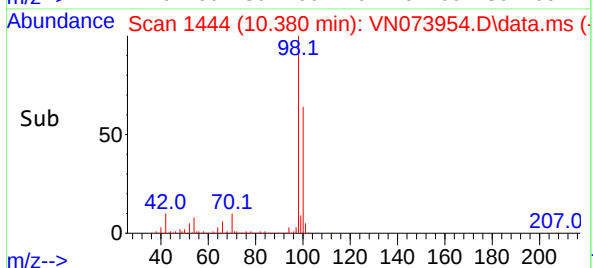
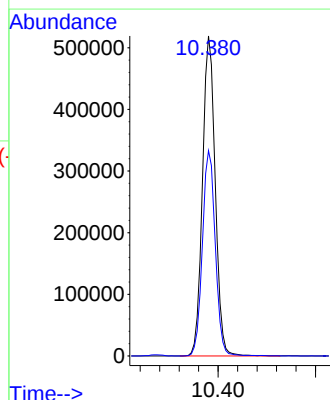
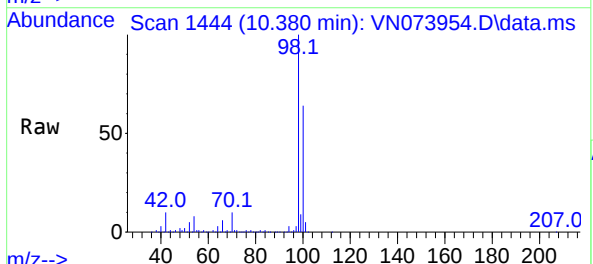
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

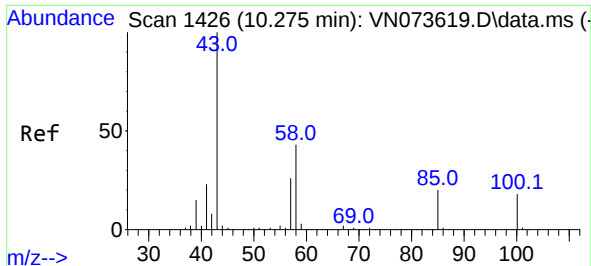
Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 7035.5 54.2 81.4#



#50
Toluene-d8
Concen: 46.534 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion: 98 Resp: 944742
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 3.374 ug/l

RT: 10.274 min Scan# 1426

Delta R.T. -0.001 min

Lab File: VN073954.D

Acq: 16 Aug 2022 17:25

Instrument :

MSVOA_N

ClientSampleId :

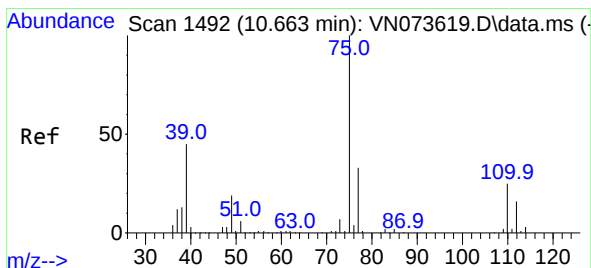
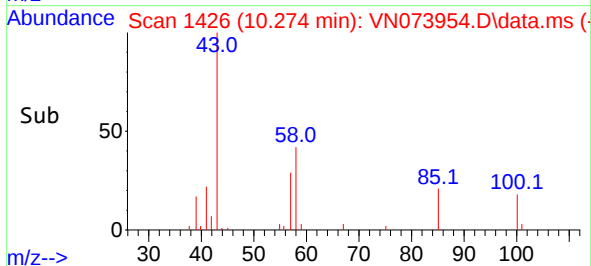
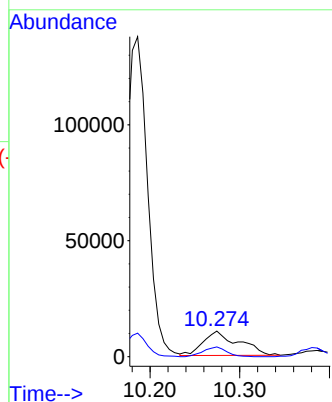
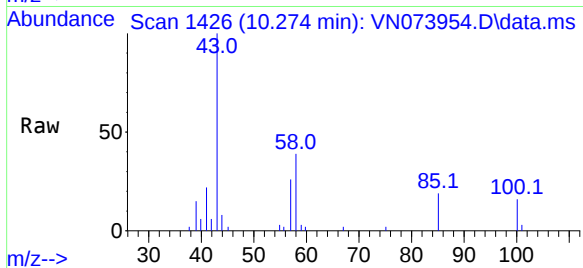
PB146976ZHE#10

Tgt Ion: 43 Resp: 28662

Ion Ratio Lower Upper

43 100

58 26.3 34.1 51.1#



#53

t-1,3-Dichloropropene

Concen: 0.275 ug/l

RT: 10.557 min Scan# 1474

Delta R.T. -0.106 min

Lab File: VN073954.D

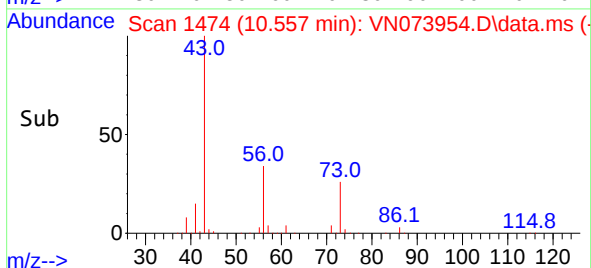
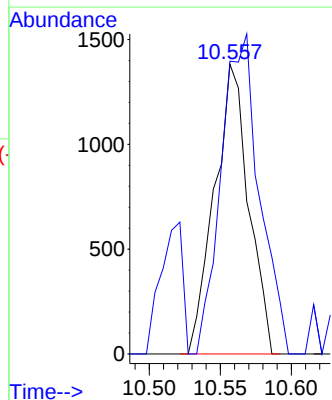
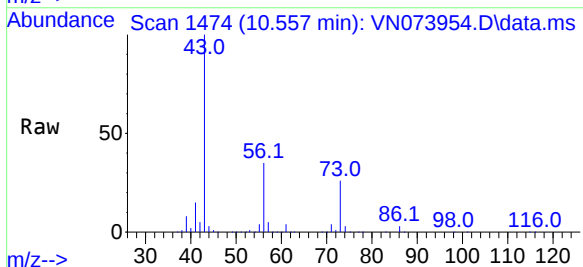
Acq: 16 Aug 2022 17:25

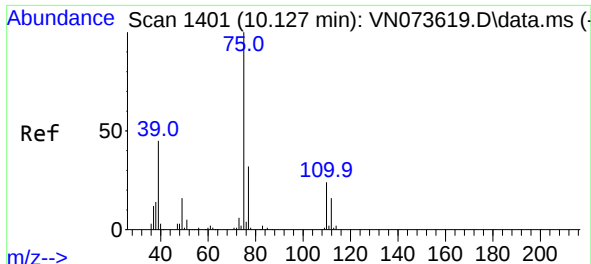
Tgt Ion: 75 Resp: 2311

Ion Ratio Lower Upper

75 100

77 83.4 25.6 38.4#

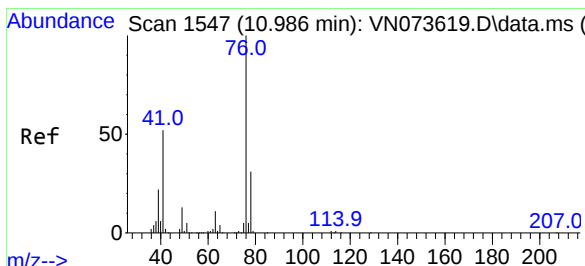
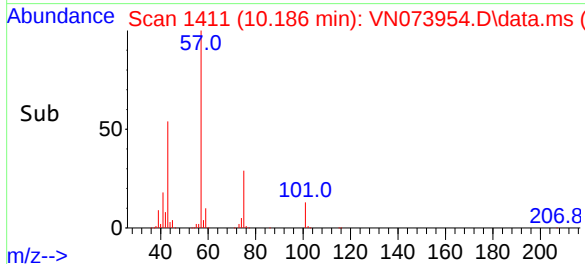
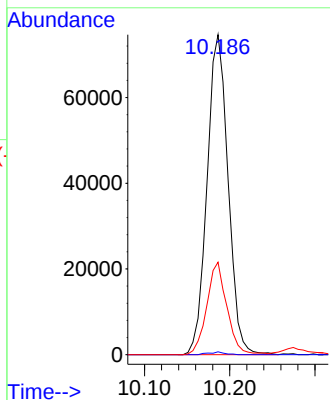
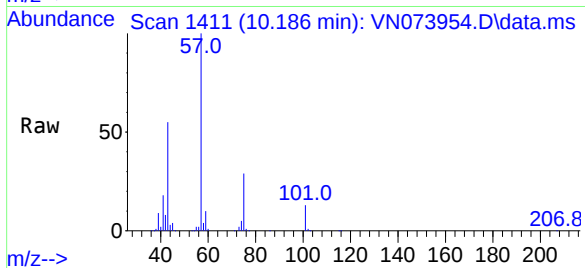




#54
 cis-1,3-Dichloropropene
 Concen: 13.926 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN073954.D
 Acq: 16 Aug 2022 17:25

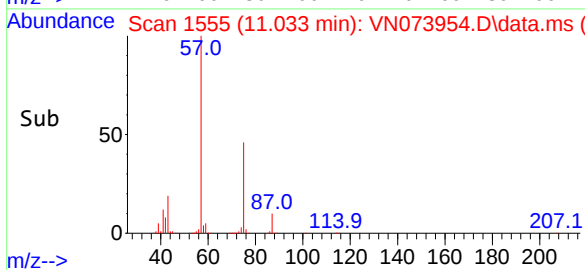
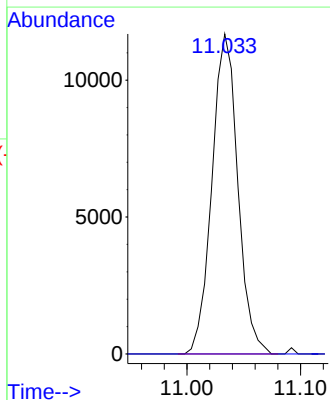
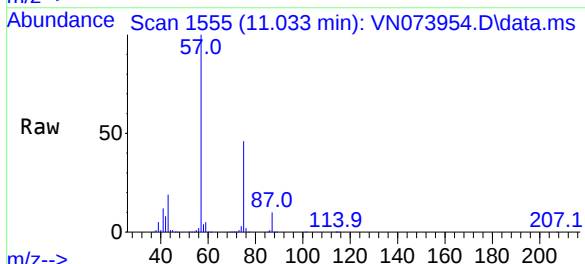
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#10

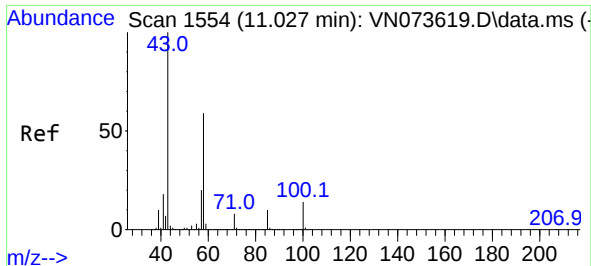
Tgt Ion: 75 Resp: 127974
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.2 37.8#
 39 28.9 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.856 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073954.D
 Acq: 16 Aug 2022 17:25

Tgt Ion: 76 Resp: 18496
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

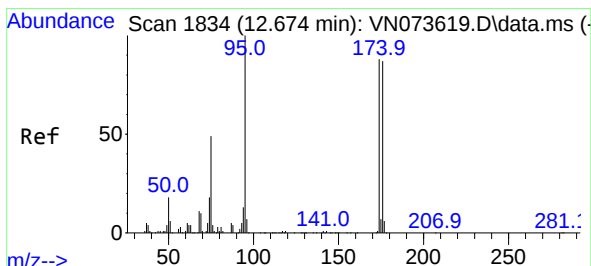
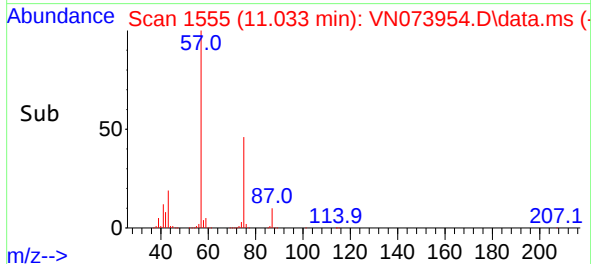
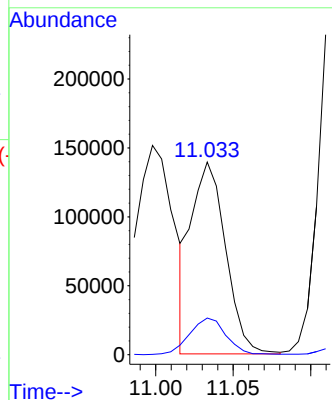
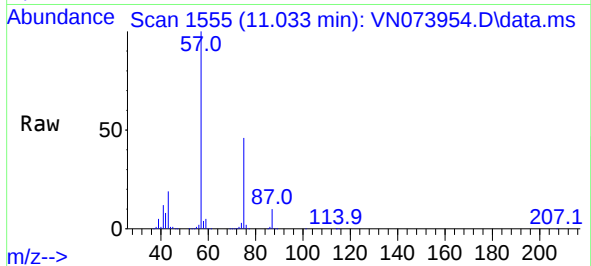




#59
2-Hexanone
Concen: 32.883 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

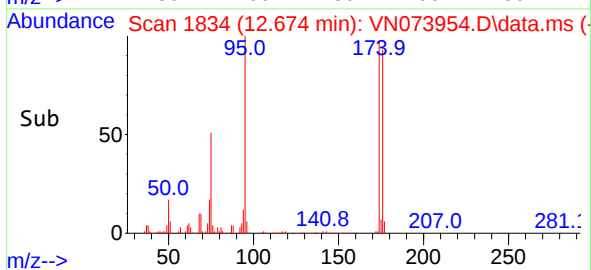
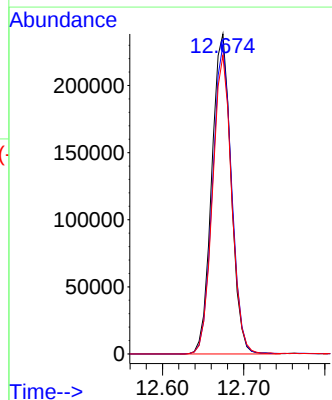
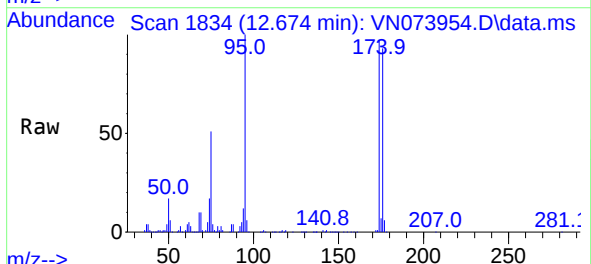
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

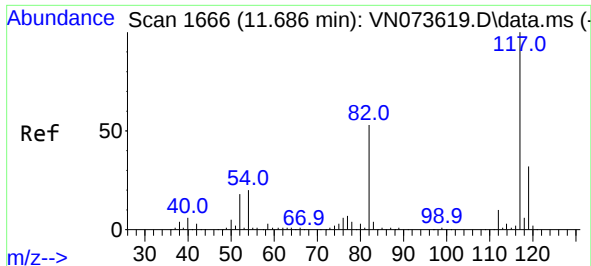
Tgt Ion: 43 Resp: 215013
Ion Ratio Lower Upper
43 100
58 20.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.440 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion: 95 Resp: 393765
Ion Ratio Lower Upper
95 100
174 95.5 0.0 167.6
176 92.1 0.0 163.4

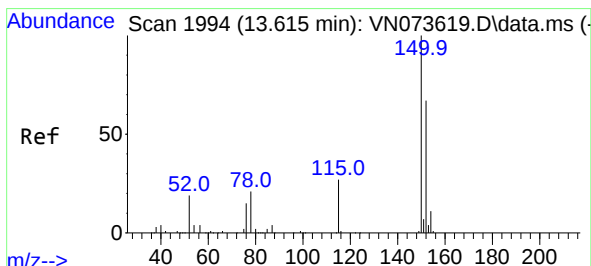
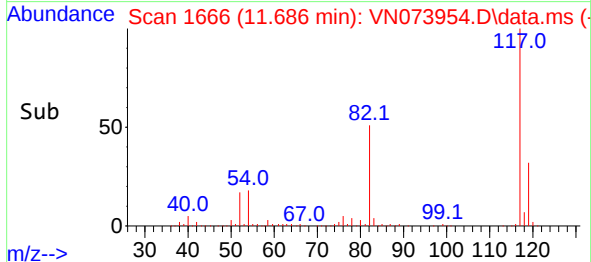
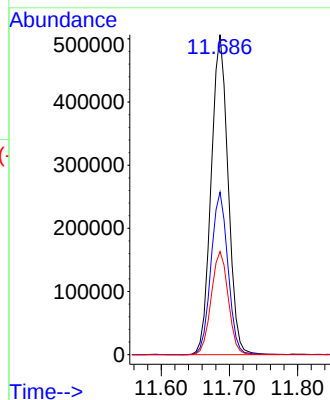
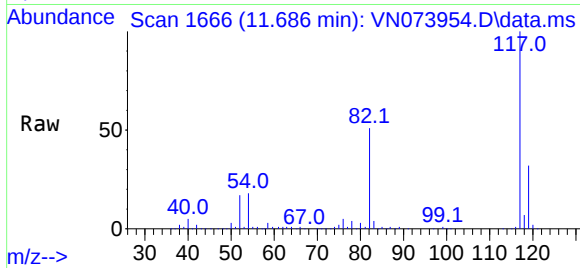




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

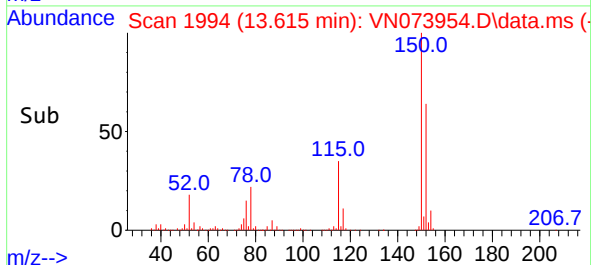
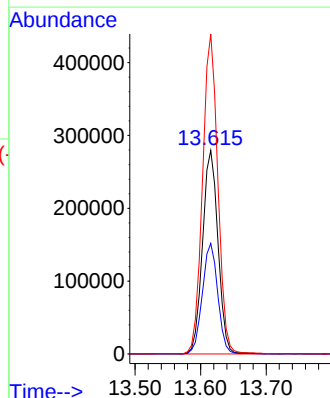
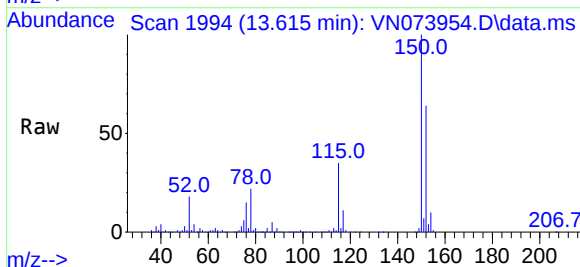
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

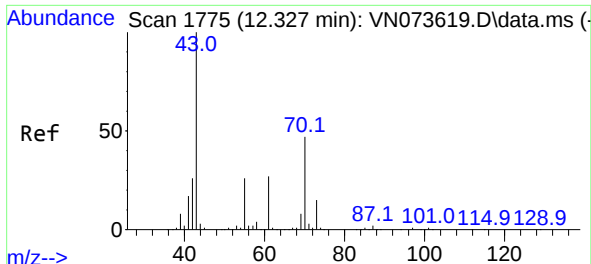
Tgt Ion:117 Resp: 873947
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

Tgt Ion:152 Resp: 459795
Ion Ratio Lower Upper
152 100
115 54.1 28.9 86.7
150 155.7 0.0 356.2

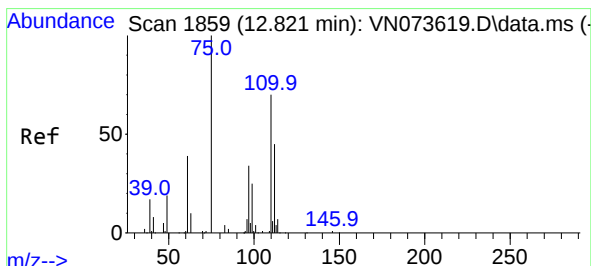
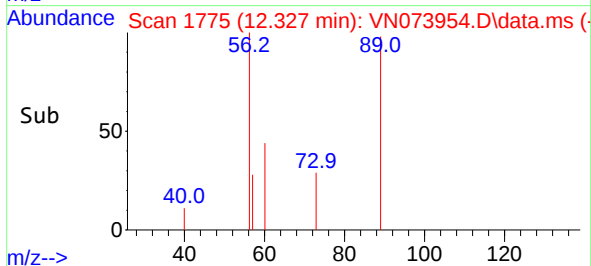
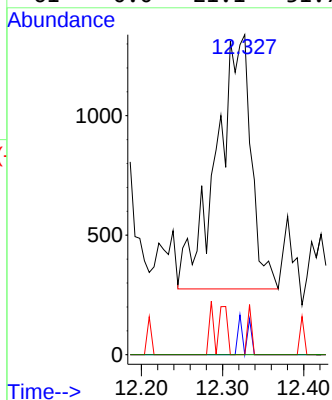
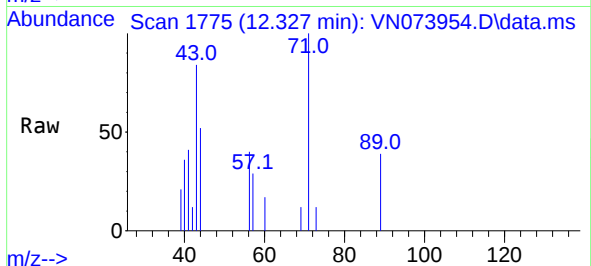




#74
N-amy1 acetate
Concen: 0.251 ug/l
RT: 12.327 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

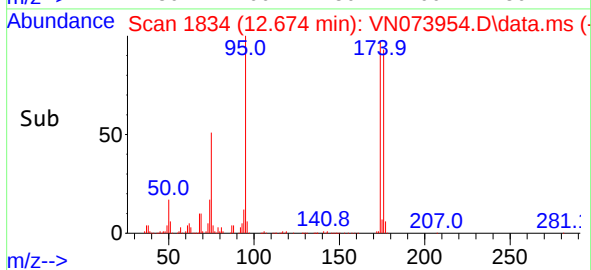
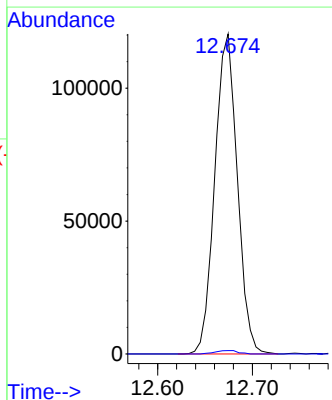
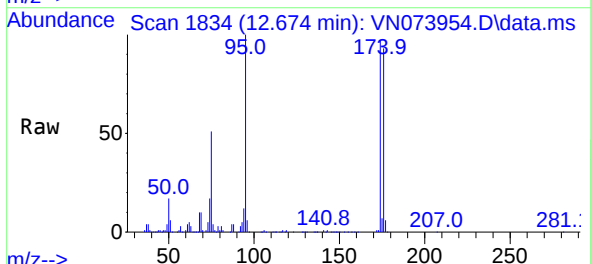
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#10

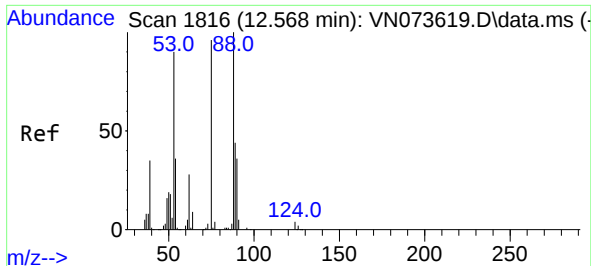
Tgt Ion: 43	Resp: 3176
Ion Ratio	Lower Upper
43 100	
70 3.5	39.0 58.4#
55 0.0	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.815 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073954.D
Acq: 16 Aug 2022 17:25

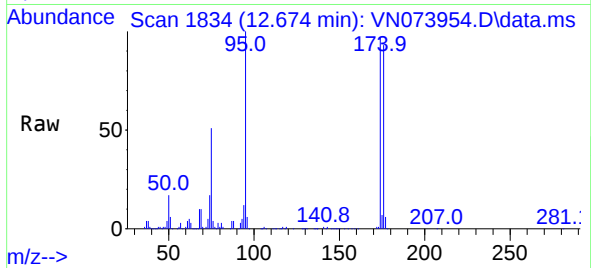
Tgt Ion: 75	Resp: 198920
Ion Ratio	Lower Upper
75 100	
77 1.1	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.200 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073954.D
 Acq: 16 Aug 2022 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#10



Tgt Ion: 75 Resp: 198920
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

