

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073950.D
 Acq On : 16 Aug 2022 15:47
 Operator : JC\MD
 Sample : PB146976ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#06

Quant Time: Aug 17 01:16:06 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)

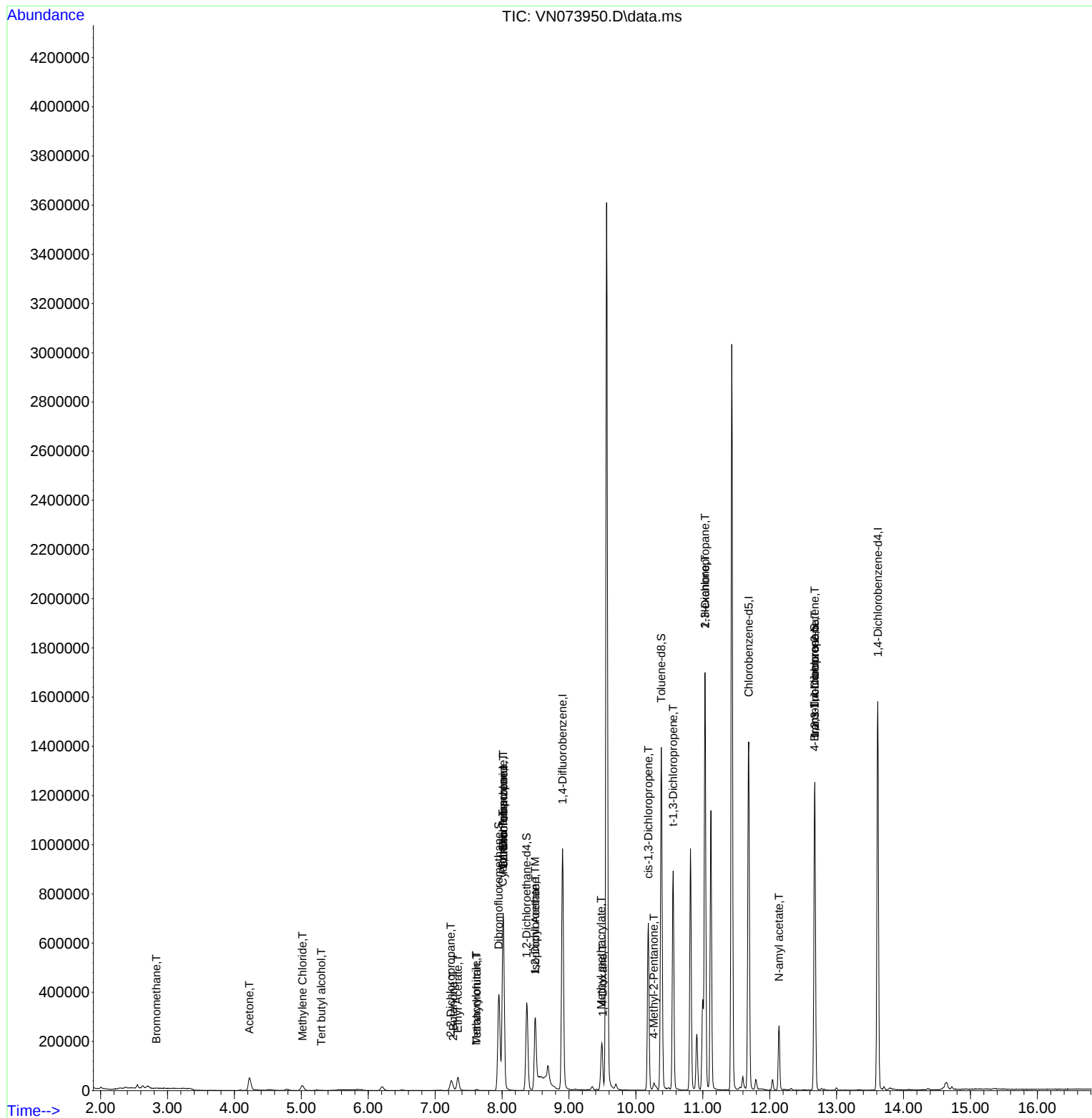
Internal Standards						
1) Pentafluorobenzene	8.022	168	611018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	918112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	895823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	473603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	297679	50.019	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	7.951	113	287853	53.015	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	10.380	98	980482	46.626	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.260%			
62) 4-Bromofluorobenzene	12.669	95	416976	59.748	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.500%			
Target Compounds						Qvalue
5) Bromomethane	2.834	94	880	0.204	ug/l	94
11) Tert butyl alcohol	5.298	59	394	0.296	ug/l #	72
16) Acetone	4.222	43	95031	33.846	ug/l	98
18) Methyl Acetate	4.775	43	10173	Below Cal		95
20) Methylene Chloride	5.016	84	18121	3.059	ug/l	92
25) 2-Butanone	7.269	43	16124	3.622	ug/l	95
26) 2,2-Dichloropropane	7.234	77	2671	0.302	ug/l #	53
29) Tetrahydrofuran	7.622	42	3306	1.158	ug/l #	80
31) Cyclohexane	8.010	56	9862	1.189	ug/l #	4
36) 1,1-Dichloropropene	8.016	75	38889	5.157	ug/l #	49
37) Ethyl Acetate	7.339	43	77889	8.525	ug/l	97
38) Carbon Tetrachloride	8.016	117	54730	6.349	ug/l #	17
41) Methacrylonitrile	7.616	41	1792	0.434	ug/l #	38
42) 1,2-Dichloroethane	8.492	62	2790	0.341	ug/l #	74
43) Isopropyl Acetate	8.498	43	379186	29.133	ug/l #	89
48) Methyl methacrylate	9.480	41	10947	1.966	ug/l #	38
49) 1,4-Dioxane	9.504	88	82	0.495	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	28797	3.272	ug/l #	76
53) t-1,3-Dichloropropene	10.557	75	2768	0.318	ug/l	95
54) cis-1,3-Dichloropropene	10.186	75	134134	14.092	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	18552	1.797	ug/l #	42
59) 2-Hexanone	11.033	43	216452	31.960	ug/l #	49
74) N-amyl acetate	12.139	43	76265	5.850	ug/l #	49
76) 1,2,3-Trichloropropane	12.674	75	206111	20.938	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	206111	59.552	ug/l #	10

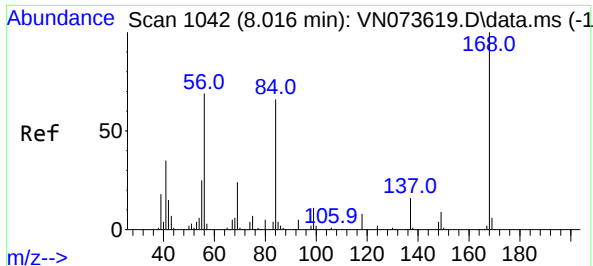
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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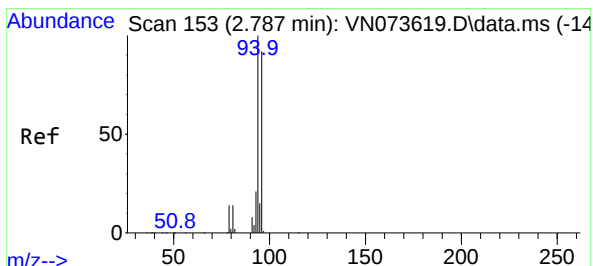
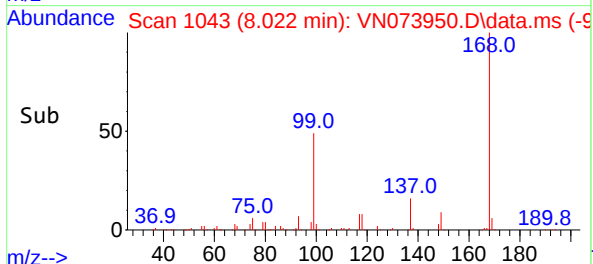
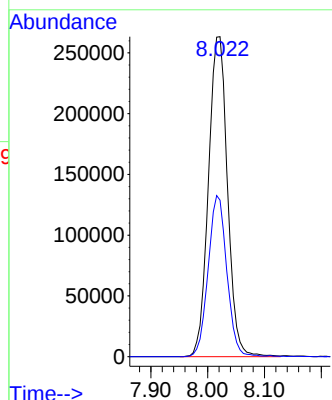
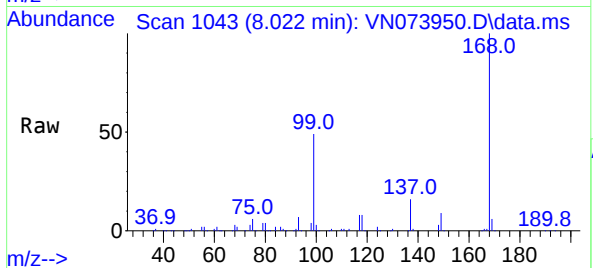




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

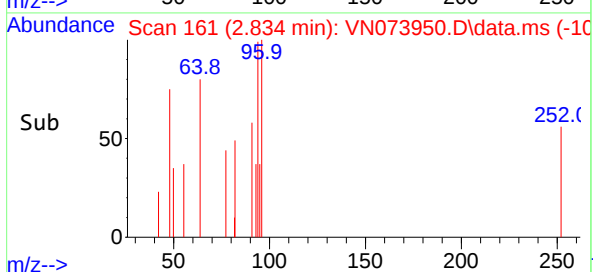
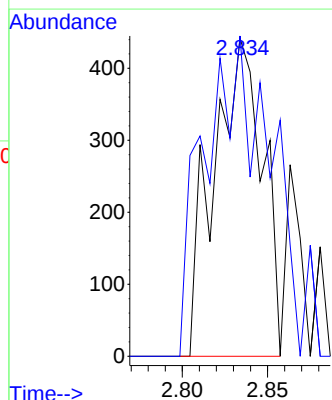
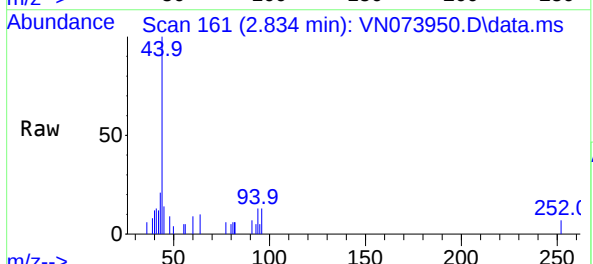
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

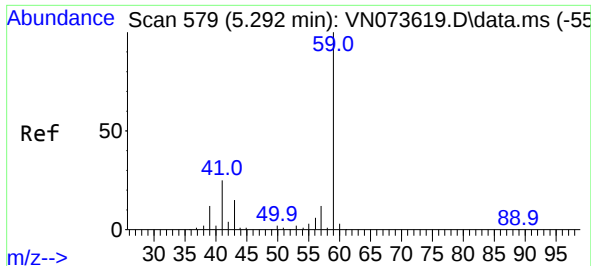
Tgt Ion:168 Resp: 611018
Ion Ratio Lower Upper
168 100
99 48.9 42.3 63.5



#5
Bromomethane
Concen: 0.204 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.047 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 94 Resp: 880
Ion Ratio Lower Upper
94 100
96 100.7 76.0 114.0

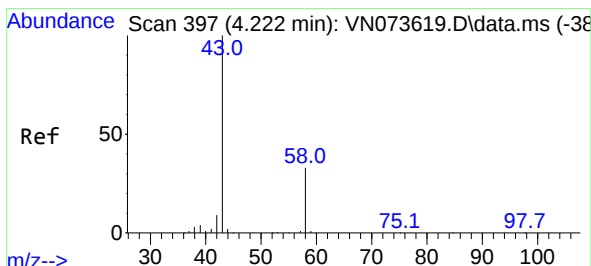
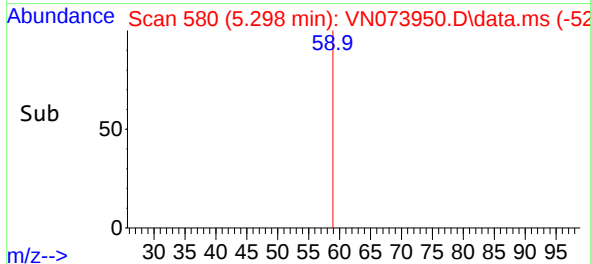
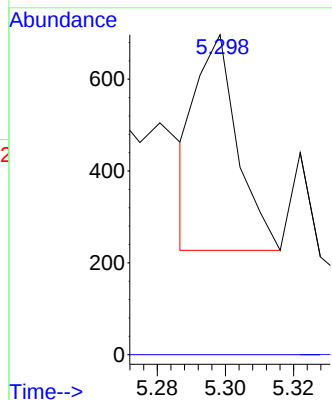
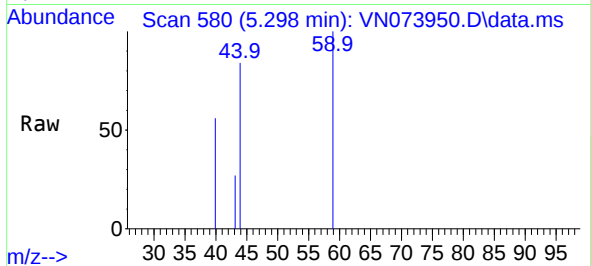




#11
Tert butyl alcohol
Concen: 0.296 ug/l
RT: 5.298 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

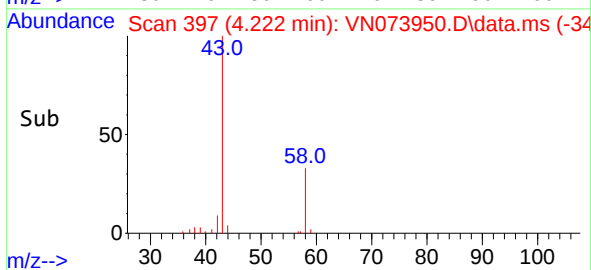
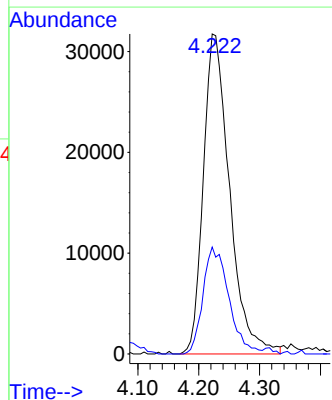
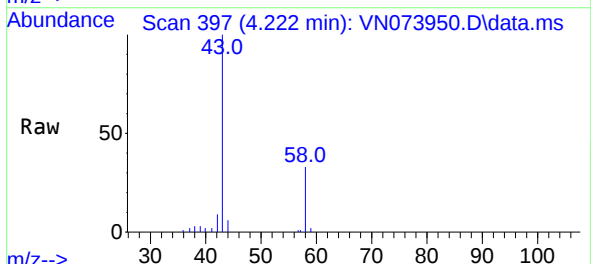
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

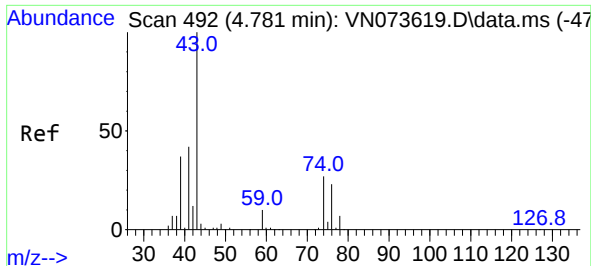
Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 33.846 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 43 Resp: 95031
Ion Ratio Lower Upper
43 100
58 33.4 26.0 39.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.775 min Scan# 491

Delta R.T. -0.006 min

Lab File: VN073950.D

Acq: 16 Aug 2022 15:47

Instrument :

MSVOA_N

ClientSampleId :

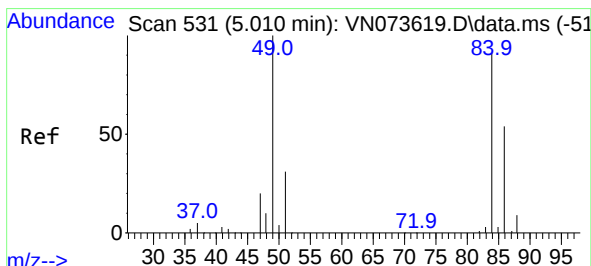
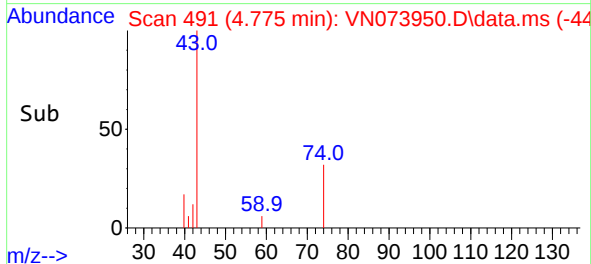
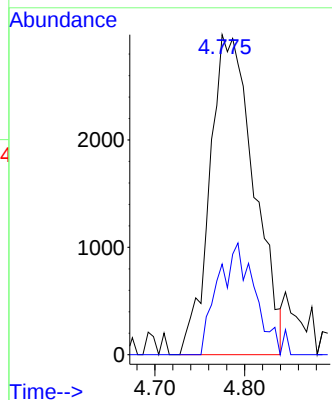
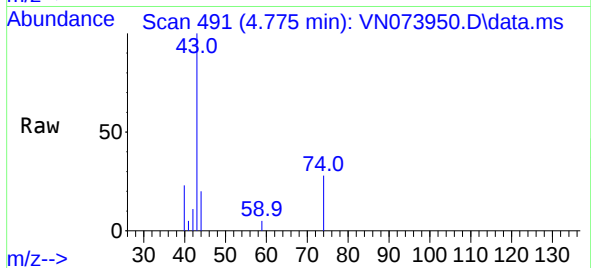
PB146976ZHE#06

Tgt Ion: 43 Resp: 10173

Ion Ratio Lower Upper

43 100

74 29.6 21.6 32.4



#20

Methylene Chloride

Concen: 3.059 ug/l

RT: 5.016 min Scan# 532

Delta R.T. 0.006 min

Lab File: VN073950.D

Acq: 16 Aug 2022 15:47

Tgt Ion: 84 Resp: 18121

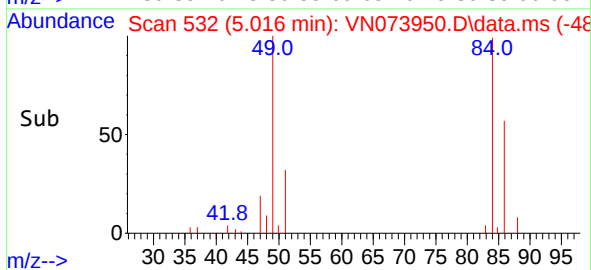
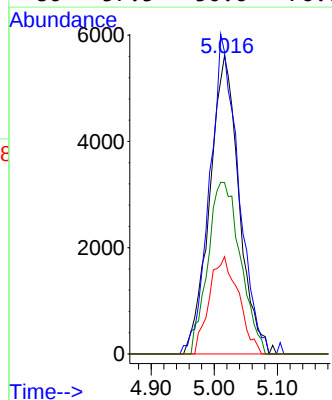
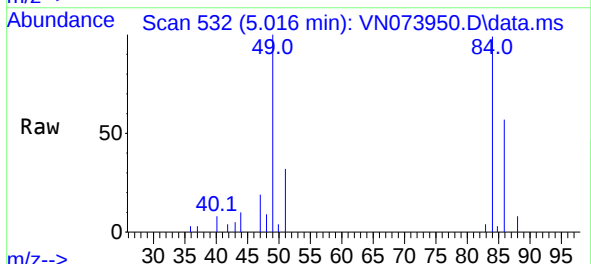
Ion Ratio Lower Upper

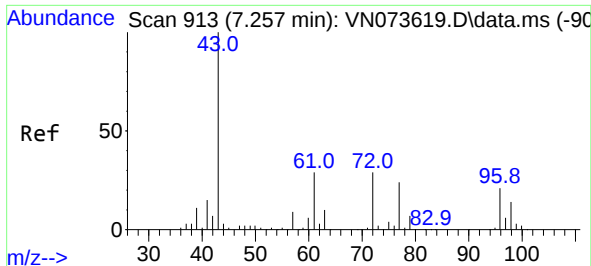
84 100

49 101.3 88.3 132.5

51 32.6 28.2 42.2

86 57.5 50.6 76.0





#25

2-Butanone

Concen: 3.622 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN073950.D

Acq: 16 Aug 2022 15:47

Instrument :

MSVOA_N

ClientSampleId :

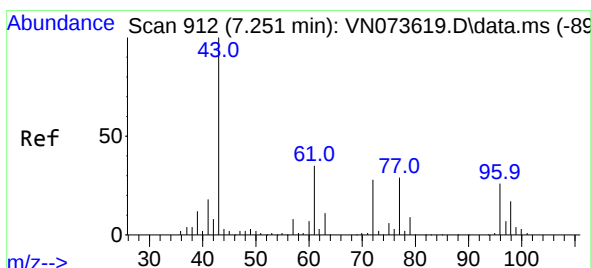
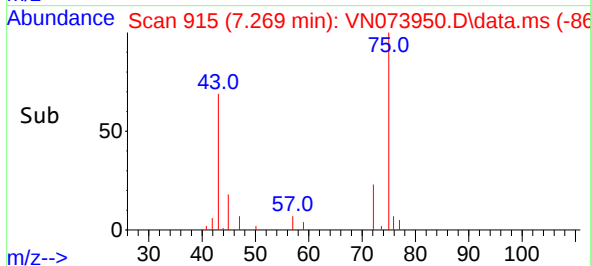
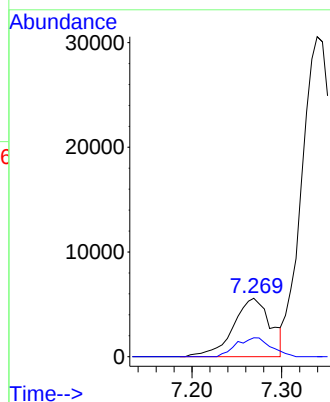
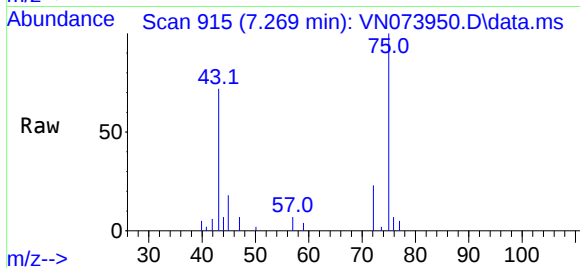
PB146976ZHE#06

Tgt Ion: 43 Resp: 16124

Ion Ratio Lower Upper

43 100

72 32.3 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.302 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.017 min

Lab File: VN073950.D

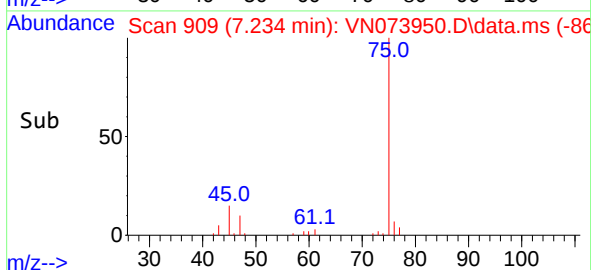
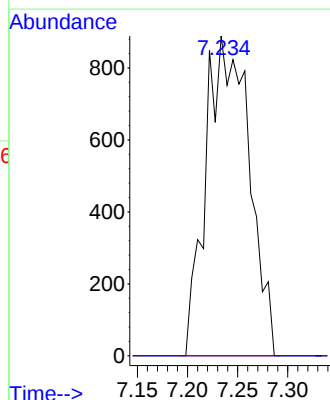
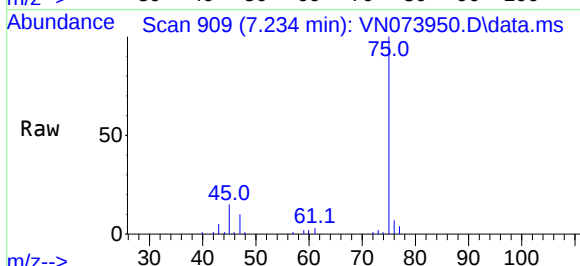
Acq: 16 Aug 2022 15:47

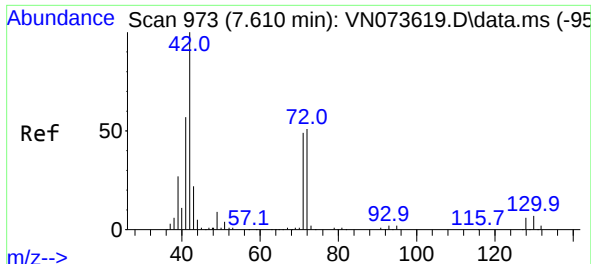
Tgt Ion: 77 Resp: 2671

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 1.158 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073950.D

Acq: 16 Aug 2022 15:47

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#06

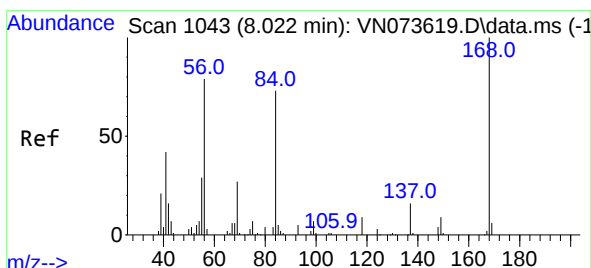
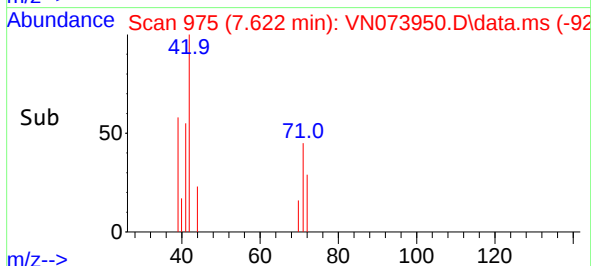
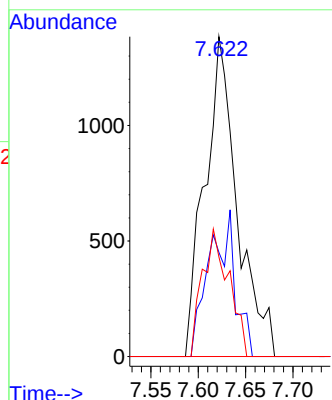
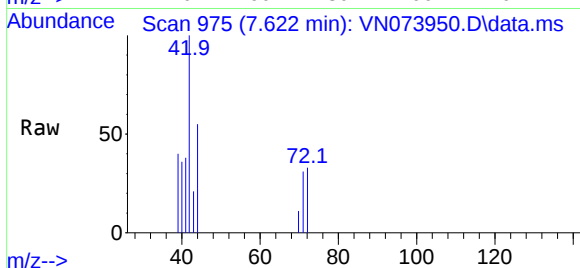
Tgt Ion: 42 Resp: 3306

Ion Ratio Lower Upper

42 100

72 36.4 39.7 59.5#

71 32.5 36.6 55.0#



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073950.D

Acq: 16 Aug 2022 15:47

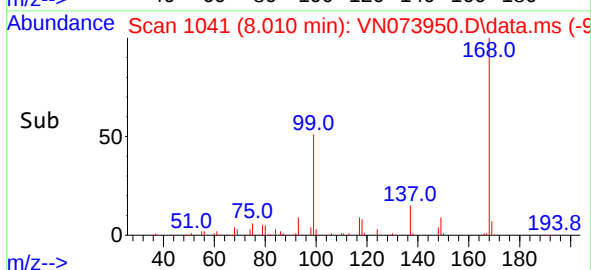
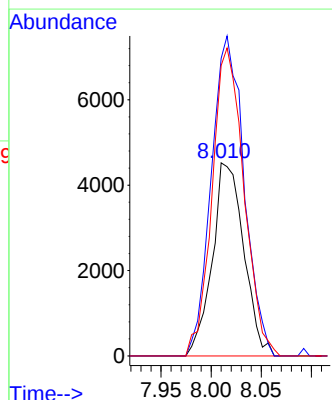
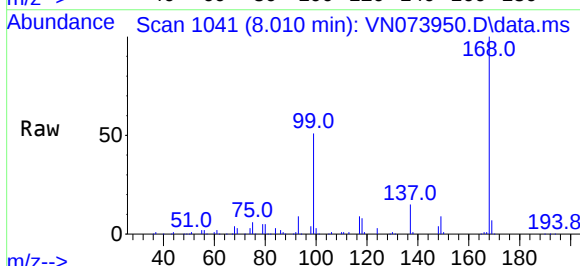
Tgt Ion: 56 Resp: 9862

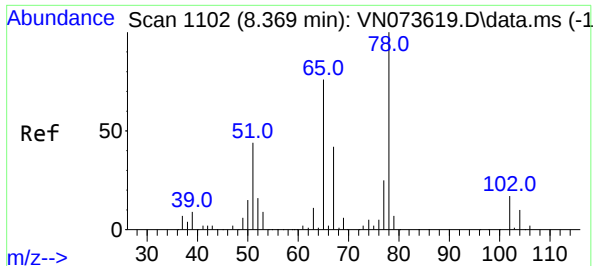
Ion Ratio Lower Upper

56 100

69 154.1 27.8 41.8#

84 150.4 76.9 115.3#

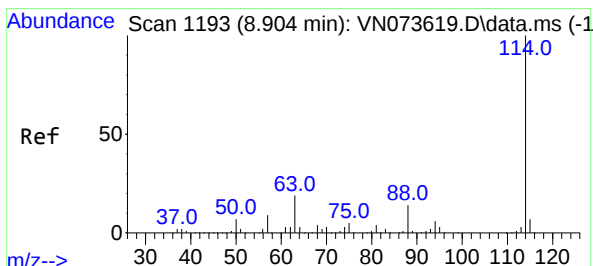
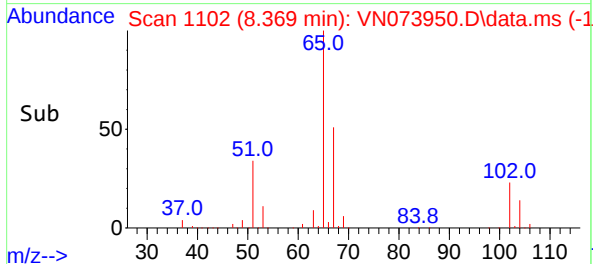
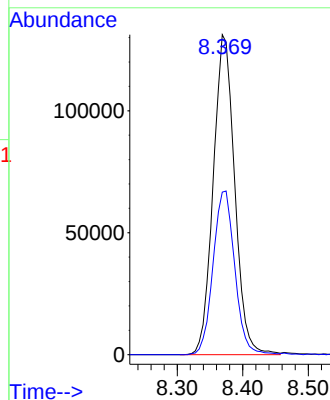
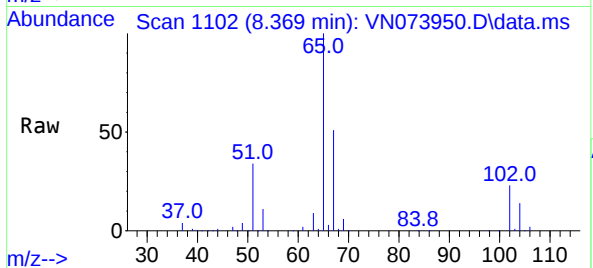




#33
1,2-Dichloroethane-d4
Concen: 50.019 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

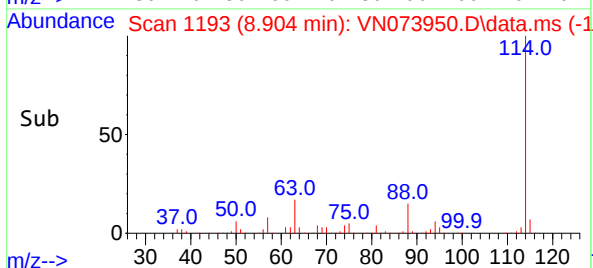
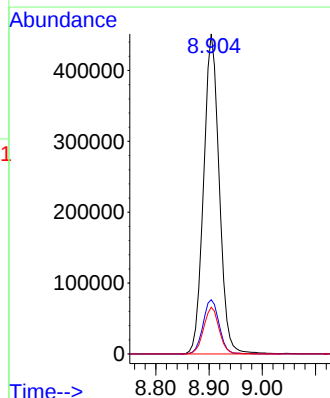
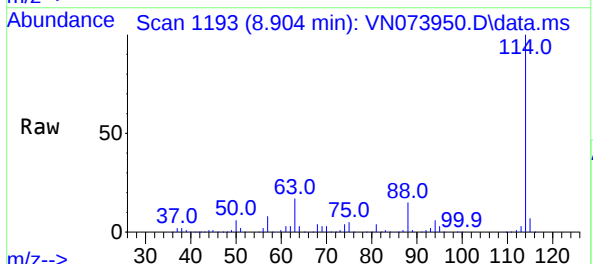
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PB146976ZHE#06

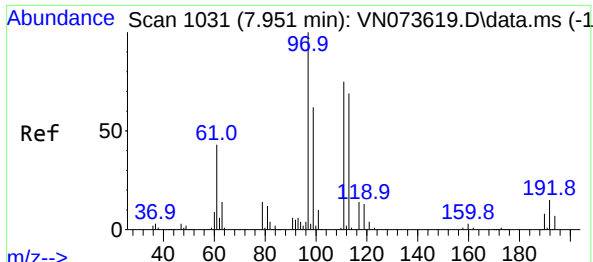
Tgt Ion: 65 Resp: 297679
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

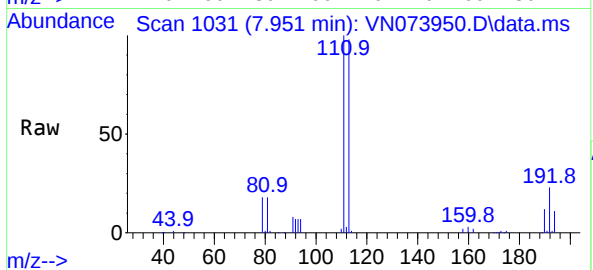
Tgt Ion: 114 Resp: 918112
Ion Ratio Lower Upper
114 100
63 17.0 0.0 40.0
88 14.6 0.0 32.6



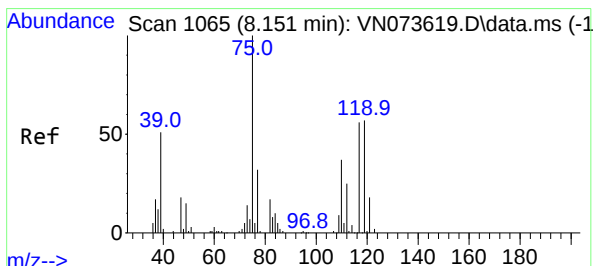
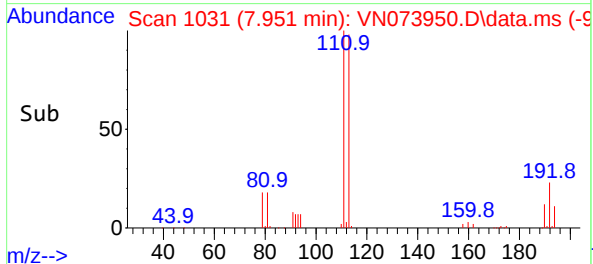
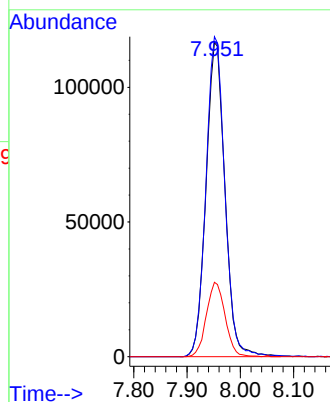


#35
Dibromofluoromethane
Concen: 53.015 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

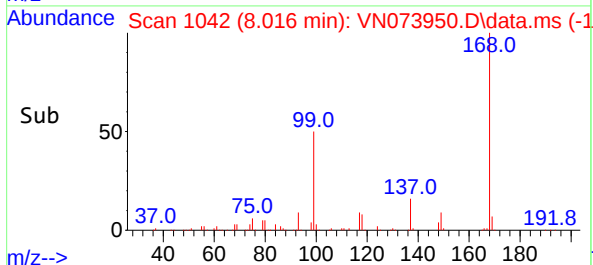
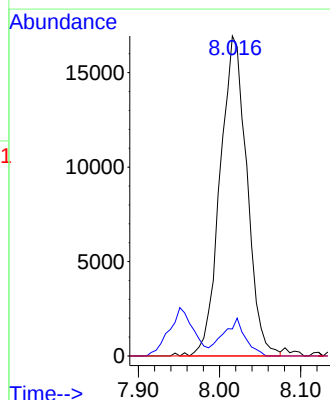
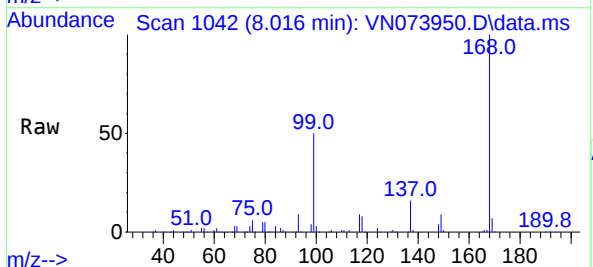


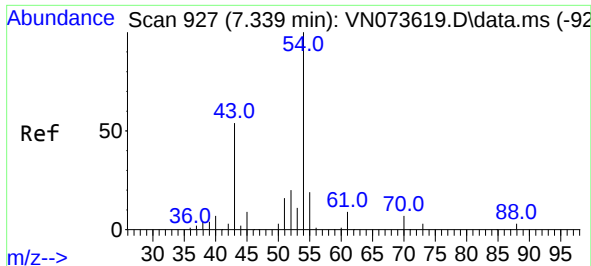
Tgt Ion:113 Resp: 287853
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 23.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.157 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 75 Resp: 38889
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 25.1 37.7#

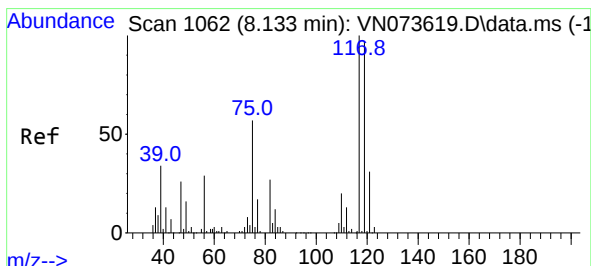
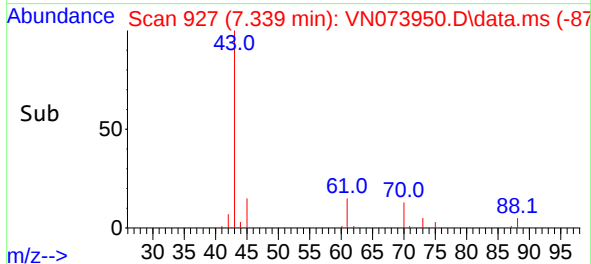
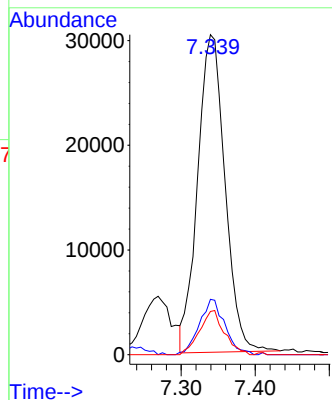
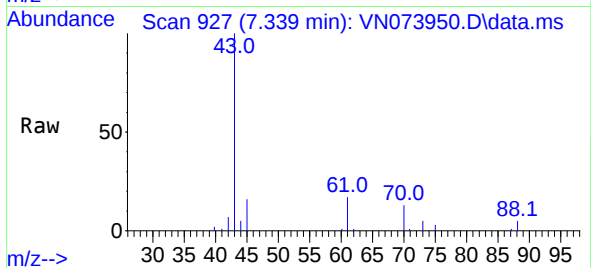




#37
Ethyl Acetate
Concen: 8.525 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

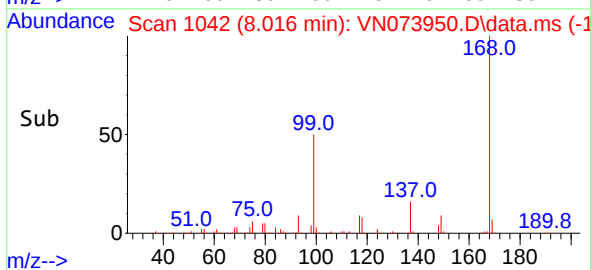
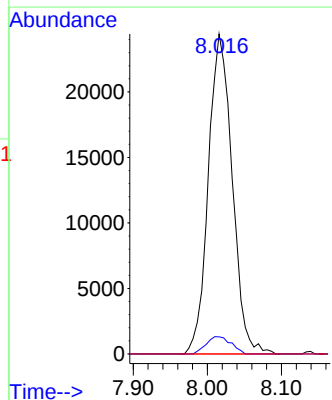
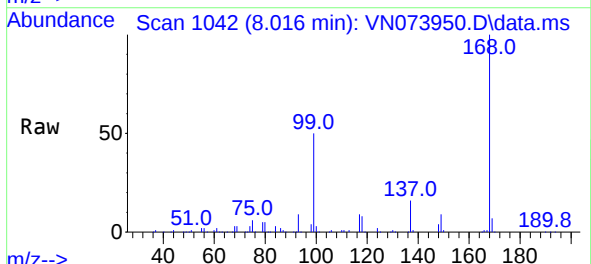
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

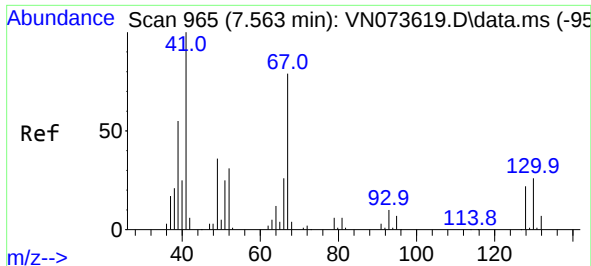
Tgt Ion:	43	Resp:	77889
Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.8	17.6
70	12.6	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.349 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion:	117	Resp:	54730
Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.8	113.8#
121	0.0	24.6	37.0#

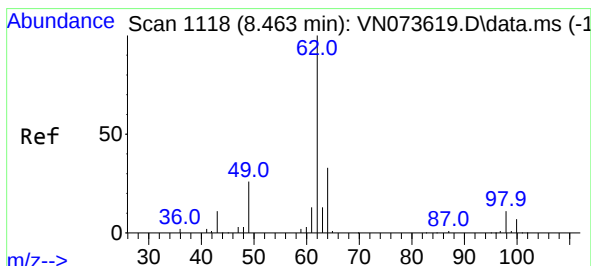
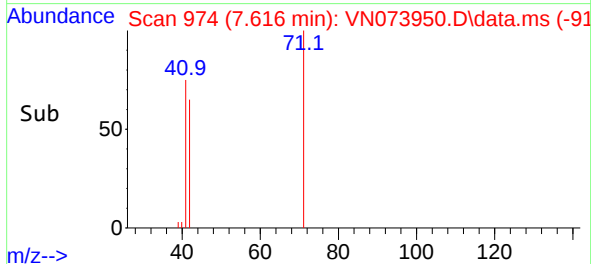
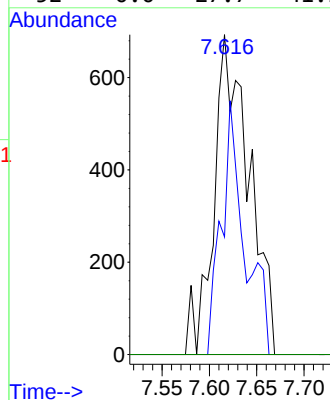
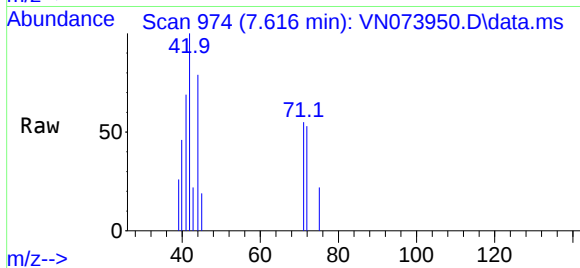




#41
Methacrylonitrile
Concen: 0.434 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

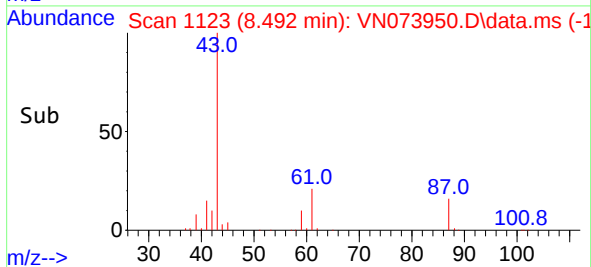
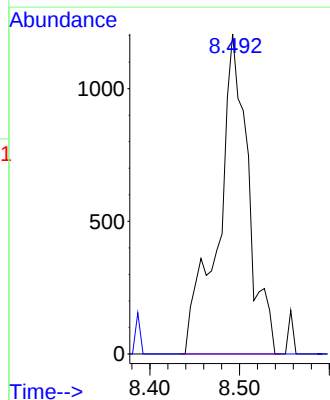
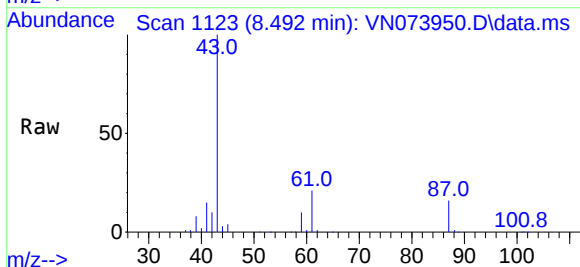
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

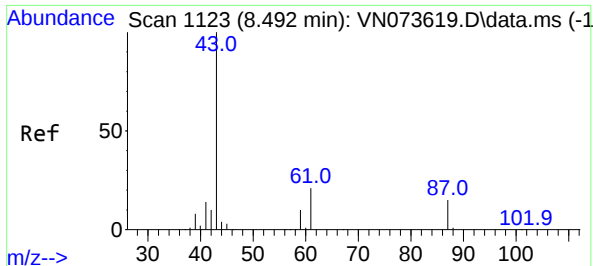
Tgt Ion: 41 Resp: 1792
Ion Ratio Lower Upper
41 100
39 52.4 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.341 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 62 Resp: 2790
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

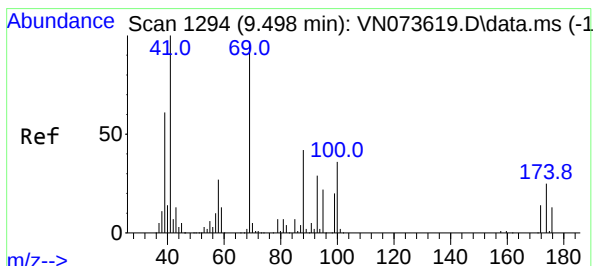
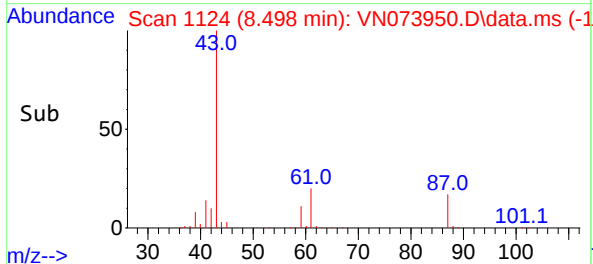
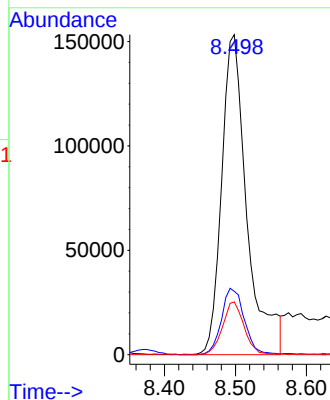
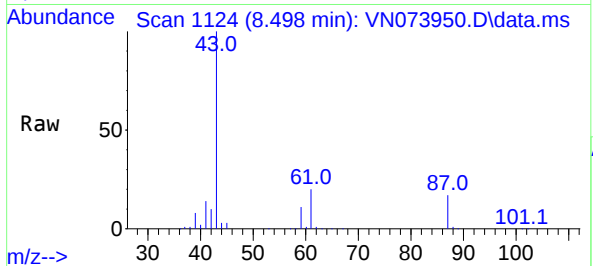




#43
Isopropyl Acetate
Concen: 29.133 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

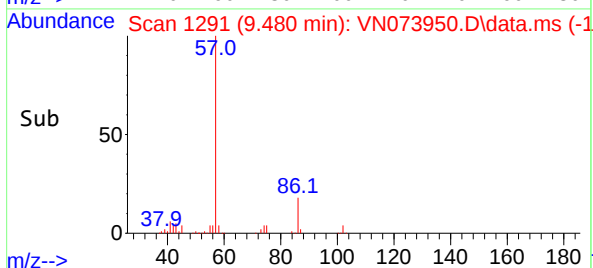
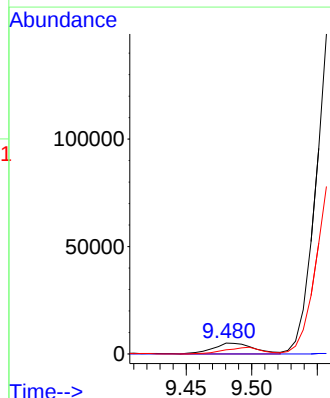
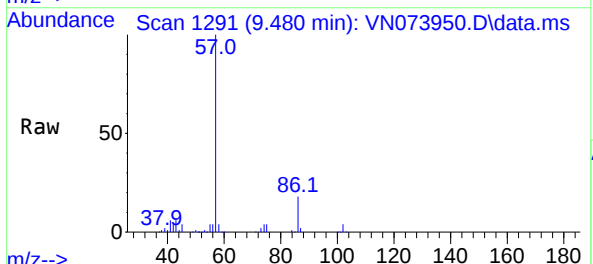
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

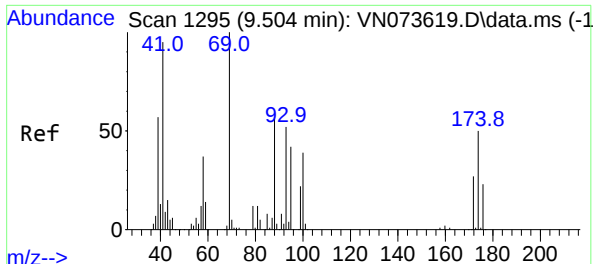
Tgt Ion: 43 Resp: 379186
Ion Ratio Lower Upper
43 100
61 18.7 21.9 32.9#
87 14.1 12.0 18.0



#48
Methyl methacrylate
Concen: 1.966 ug/l
RT: 9.480 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 41 Resp: 10947
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 54.6 45.6 68.4

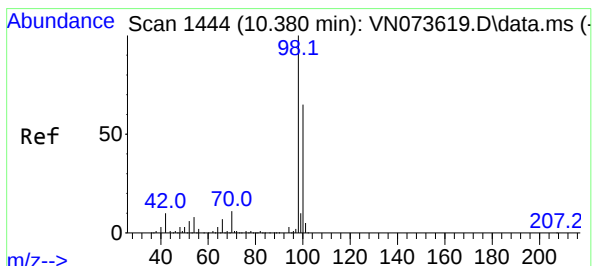
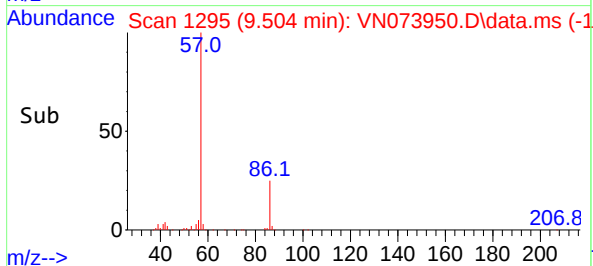
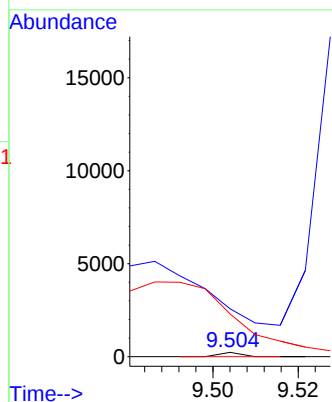
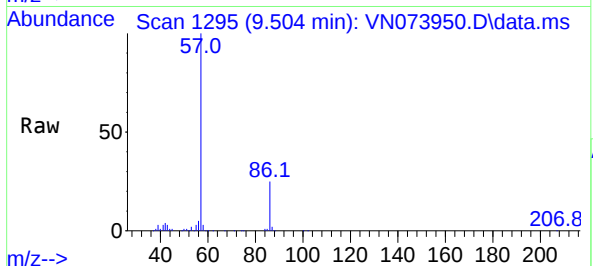




#49
1,4-Dioxane
Concen: 0.495 ug/l
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

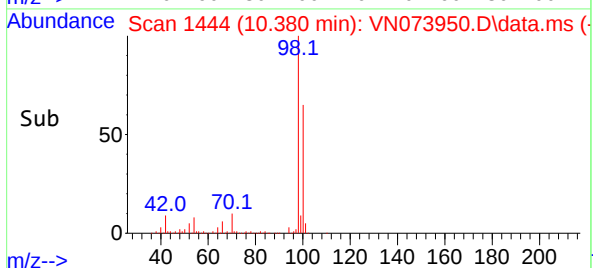
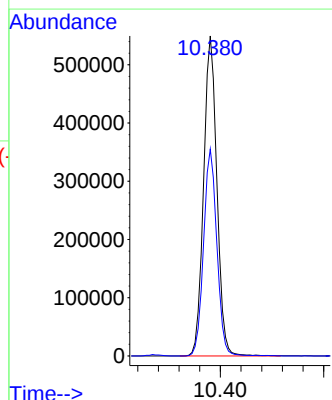
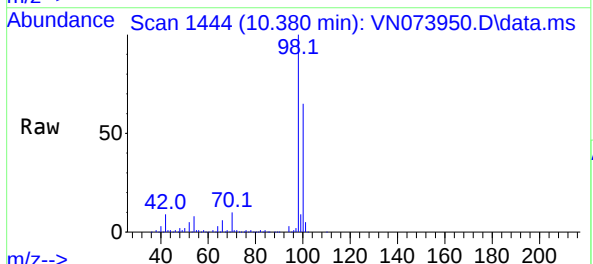
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

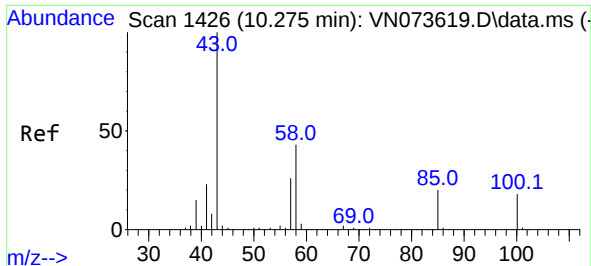
Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 10726.8 54.2 81.4#



#50
Toluene-d8
Concen: 46.626 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 98 Resp: 980482
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

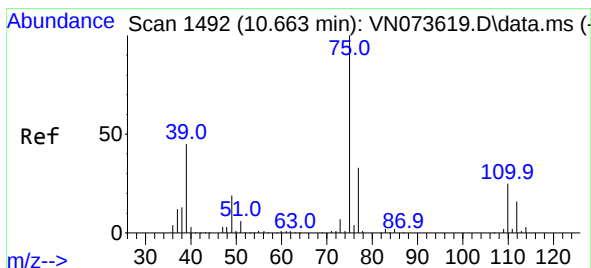
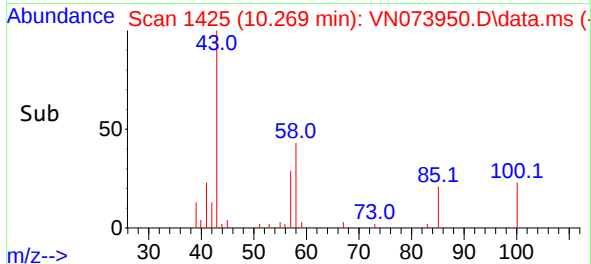
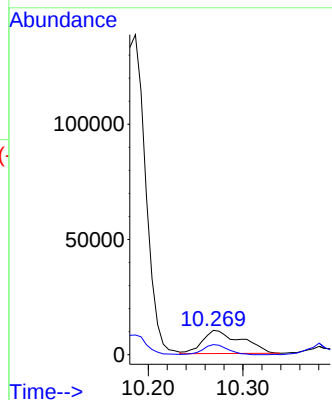
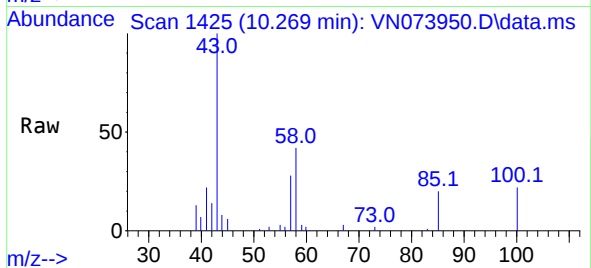




#51
4-Methyl-2-Pentanone
Concen: 3.272 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

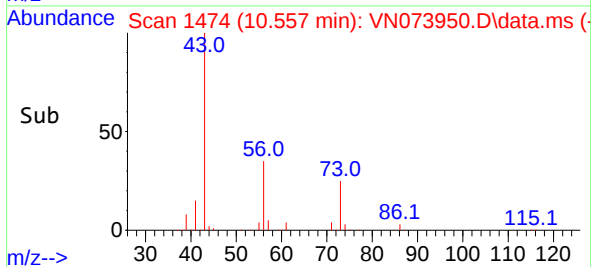
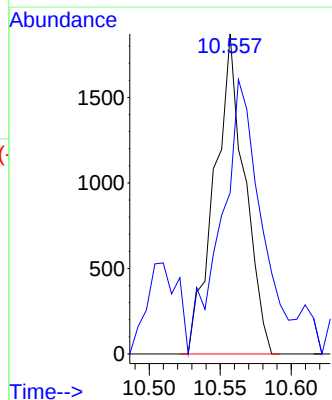
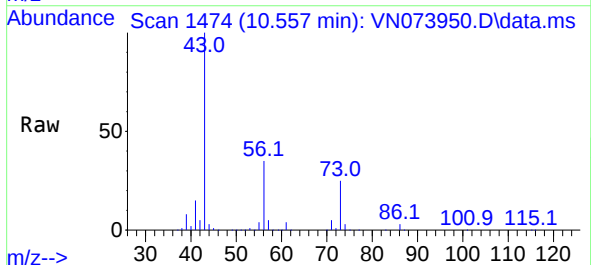
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

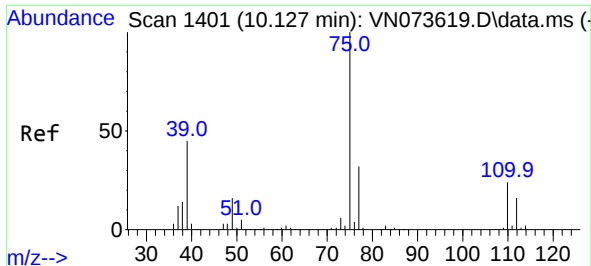
Tgt Ion: 43 Resp: 28797
Ion Ratio Lower Upper
43 100
58 27.5 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.318 ug/l
RT: 10.557 min Scan# 1474
Delta R.T. -0.106 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 75 Resp: 2768
Ion Ratio Lower Upper
75 100
77 34.9 25.6 38.4

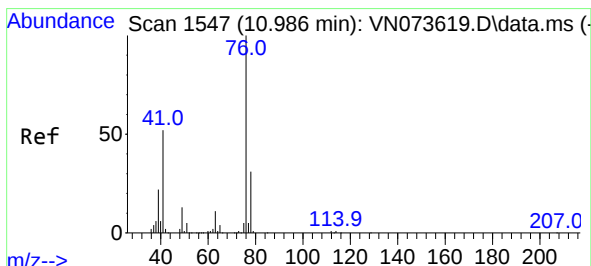
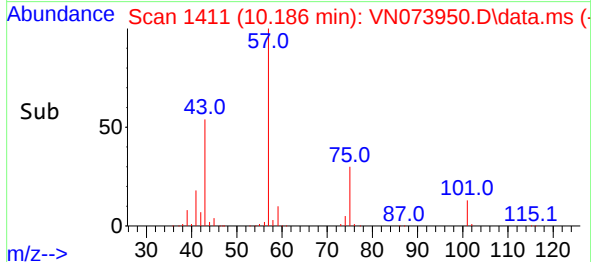
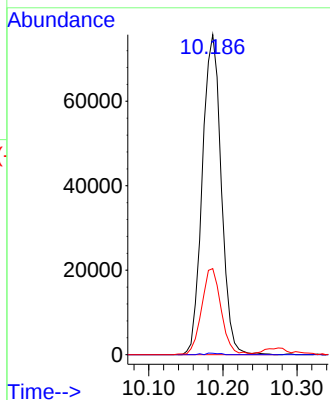
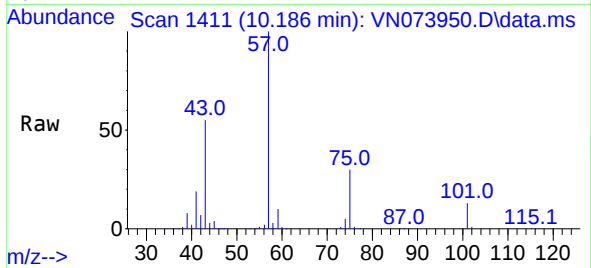




#54
 cis-1,3-Dichloropropene
 Concen: 14.092 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073950.D
 Acq: 16 Aug 2022 15:47

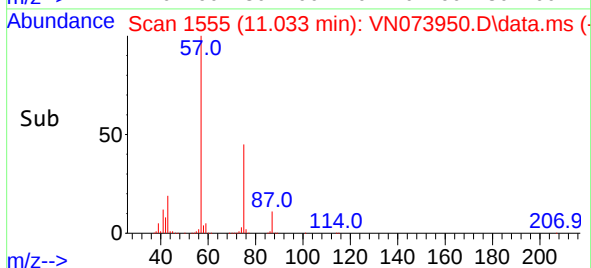
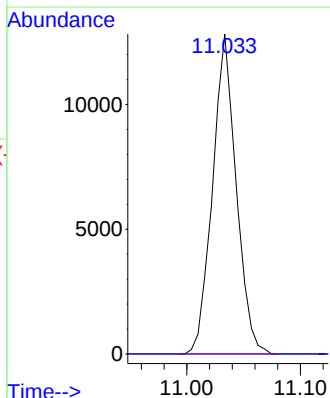
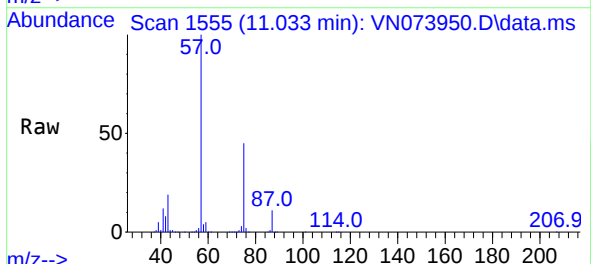
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#06

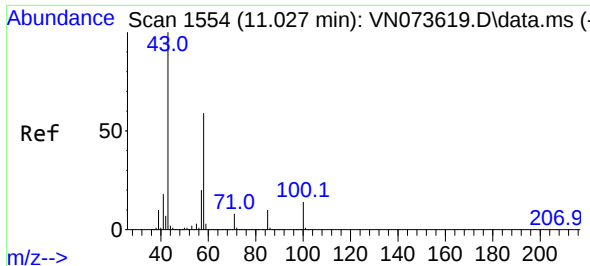
Tgt Ion: 75 Resp: 134134
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 26.7 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.797 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073950.D
 Acq: 16 Aug 2022 15:47

Tgt Ion: 76 Resp: 18552
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

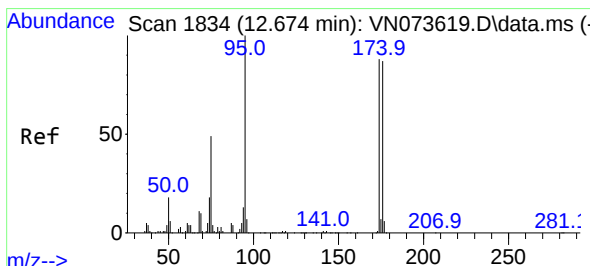
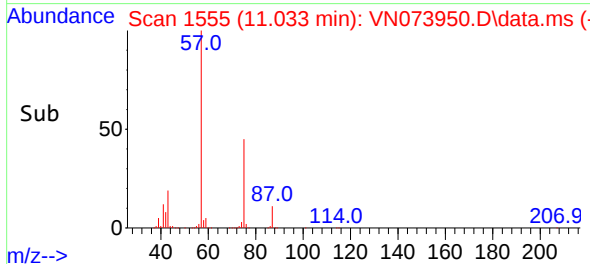
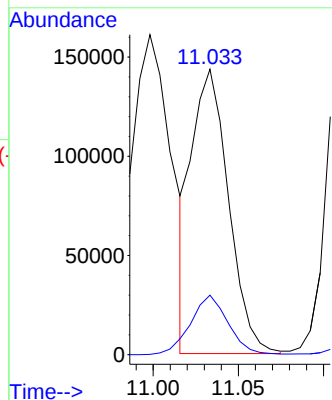
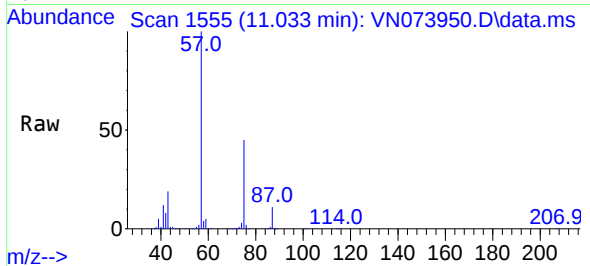




#59
2-Hexanone
Concen: 31.960 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

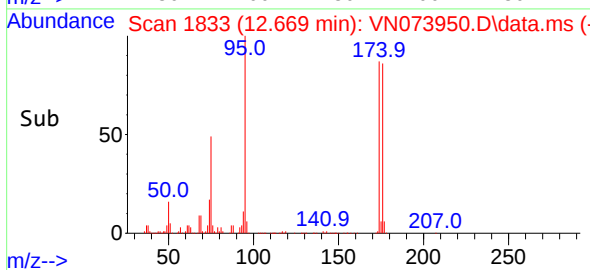
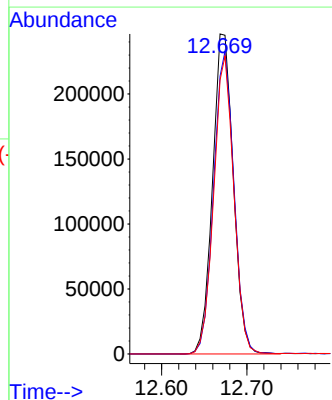
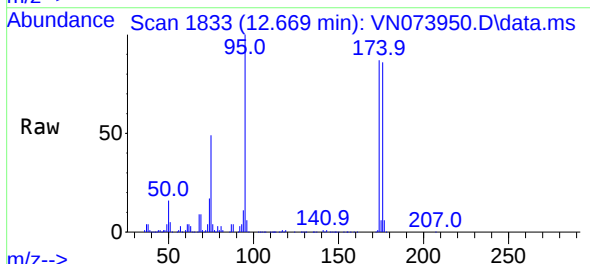
Instrument :
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ClientSampleId :
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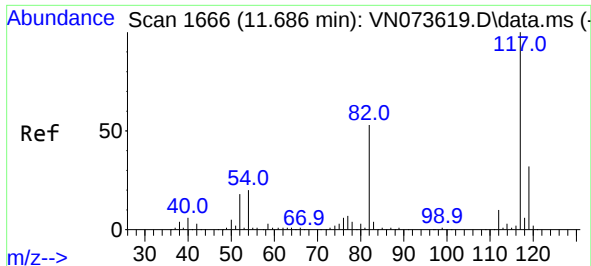
Tgt Ion: 43 Resp: 216452
Ion Ratio Lower Upper
43 100
58 21.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.748 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion: 95 Resp: 416976
Ion Ratio Lower Upper
95 100
174 92.8 0.0 167.6
176 89.8 0.0 163.4

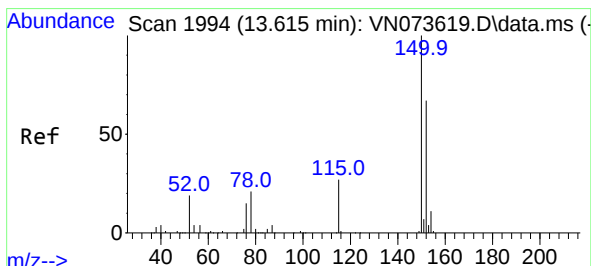
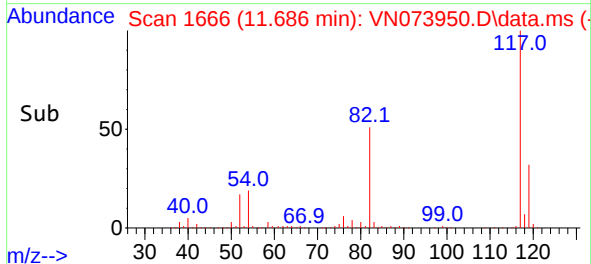
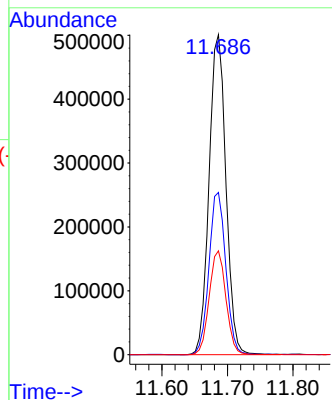
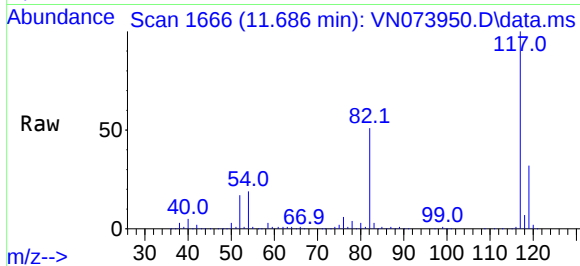




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

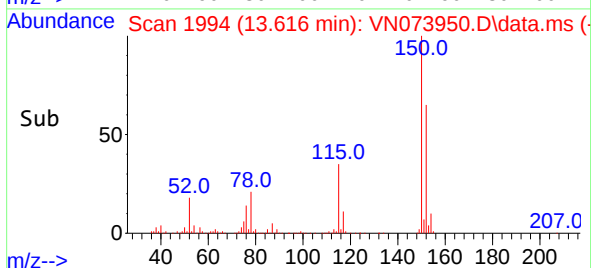
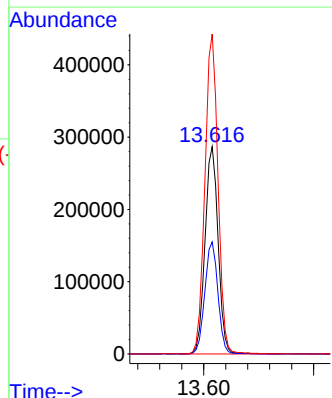
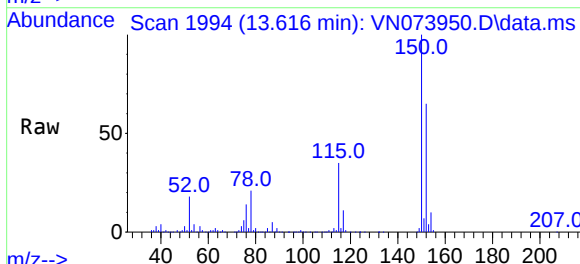
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

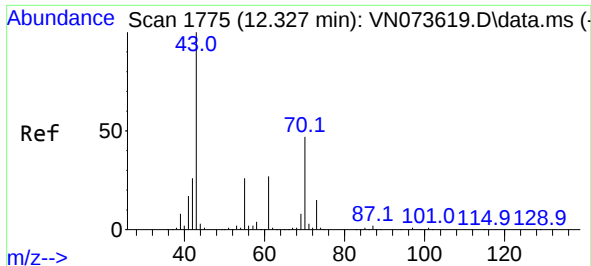
Tgt Ion:117 Resp: 895823
Ion Ratio Lower Upper
117 100
82 50.7 44.2 66.2
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

Tgt Ion:152 Resp: 473603
Ion Ratio Lower Upper
152 100
115 54.2 28.9 86.7
150 154.3 0.0 356.2

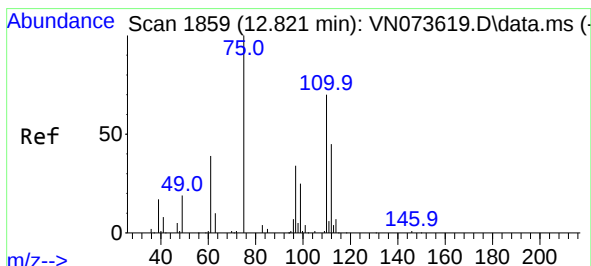
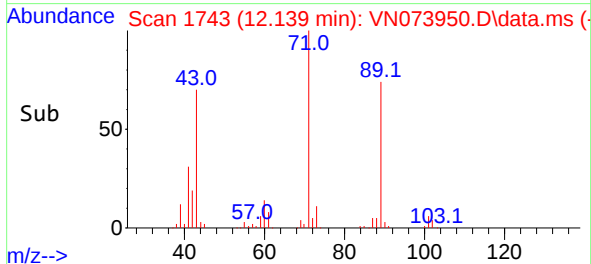
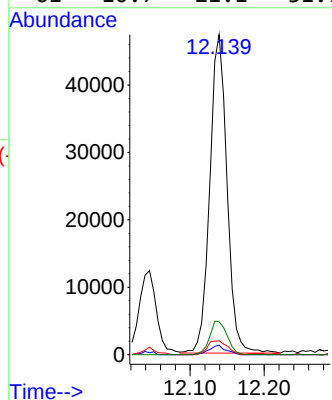
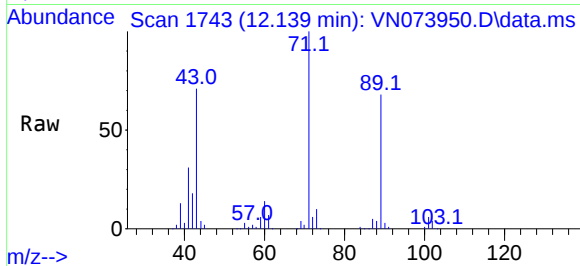




#74
N-amy1 acetate
Concen: 5.850 ug/l
RT: 12.139 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

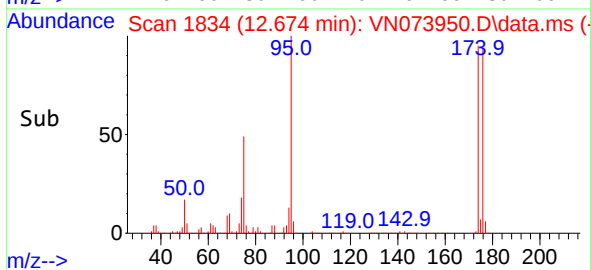
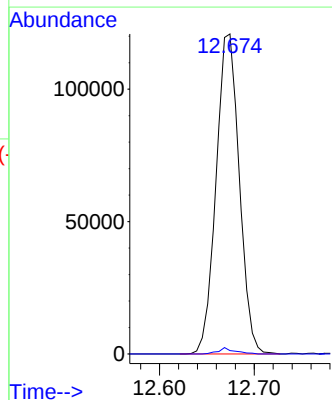
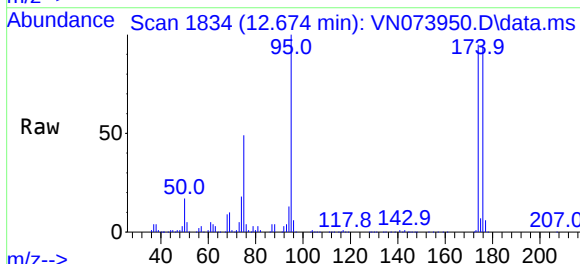
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#06

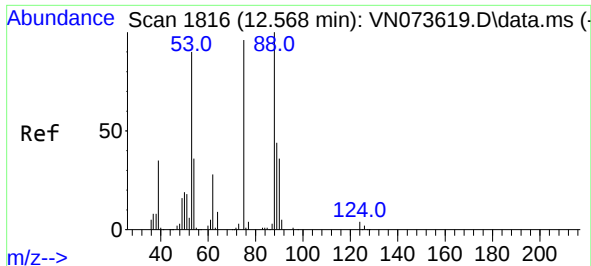
Tgt Ion:	43	Resp:	76265
Ion	Ratio	Lower	Upper
43	100		
70	2.9	39.0	58.4#
55	5.0	21.1	31.7#
61	10.7	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.938 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073950.D
Acq: 16 Aug 2022 15:47

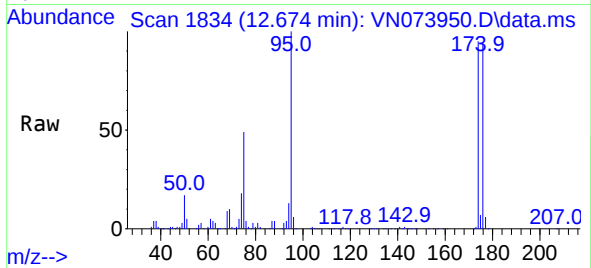
Tgt Ion:	75	Resp:	206111
Ion	Ratio	Lower	Upper
75	100		
77	1.4	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.552 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073950.D
 Acq: 16 Aug 2022 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#06



Tgt Ion: 75 Resp: 206111
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

