

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073951.D
 Acq On : 16 Aug 2022 16:11
 Operator : JC\MD
 Sample : PB146976ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#07

Quant Time: Aug 17 01:16:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

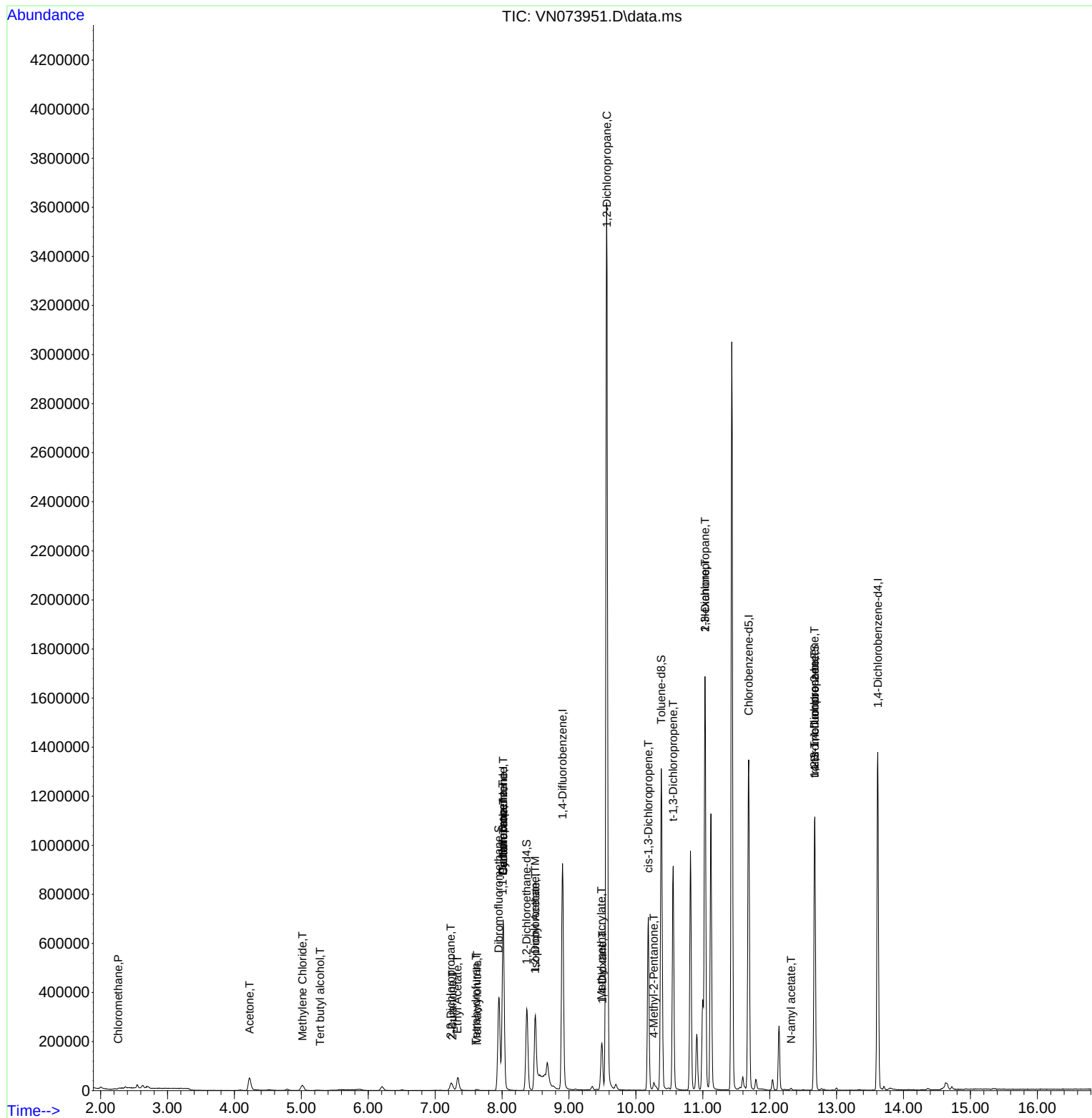
Internal Standards						
1) Pentafluorobenzene	8.016	168	591166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	877600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	835126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	405668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	282756	49.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.220%		
35) Dibromofluoromethane	7.951	113	279247	53.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.600%		
50) Toluene-d8	10.380	98	935704	46.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.100%		
62) 4-Bromofluorobenzene	12.674	95	371039	55.620	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1095	0.210	ug/l	99
11) Tert butyl alcohol	5.281	59	1115	0.866	ug/l #	72
16) Acetone	4.228	43	96339	35.464	ug/l	99
18) Methyl Acetate	4.787	43	10298	Below Cal		98
20) Methylene Chloride	5.016	84	18662	3.256	ug/l	95
25) 2-Butanone	7.257	43	14465	3.358	ug/l	94
26) 2,2-Dichloropropane	7.234	77	2229	0.260	ug/l #	53
29) Tetrahydrofuran	7.610	42	1331	0.482	ug/l #	6
31) Cyclohexane	8.016	56	8927	1.112	ug/l #	1
36) 1,1-Dichloropropene	8.010	75	36413	5.051	ug/l #	50
37) Ethyl Acetate	7.334	43	79737	9.130	ug/l	98
38) Carbon Tetrachloride	8.016	117	51015	6.191	ug/l #	16
41) Methacrylonitrile	7.628	41	1640	0.416	ug/l #	39
42) 1,2-Dichloroethane	8.492	62	2243	0.287	ug/l #	74
43) Isopropyl Acetate	8.498	43	437284	35.147	ug/l #	84
45) 1,2-Dichloropropane	9.569	63	4751	0.871	ug/l #	44
48) Methyl methacrylate	9.486	41	10499	1.972	ug/l #	39
49) 1,4-Dioxane	9.498	88	135	0.853	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	29612	3.520	ug/l #	76
53) t-1,3-Dichloropropene	10.557	75	2752	0.331	ug/l #	50
54) cis-1,3-Dichloropropene	10.186	75	136671	15.021	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	18052	1.829	ug/l #	42
59) 2-Hexanone	11.033	43	218909	33.815	ug/l #	49
74) N-amyl acetate	12.321	43	2978	0.267	ug/l #	44
76) 1,2,3-Trichloropropane	12.668	75	182671	21.665	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	182671	61.618	ug/l #	11

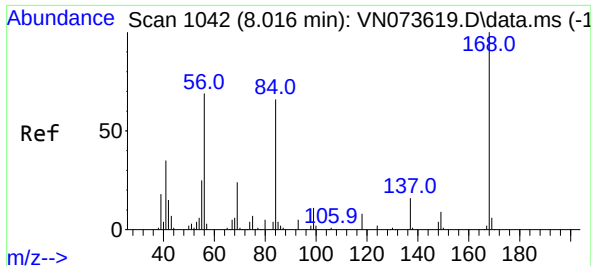
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_N/WATER
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Response via : Initial Calibration

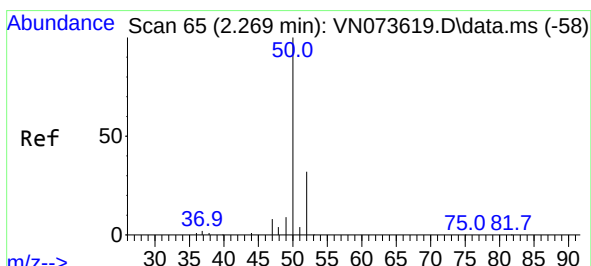
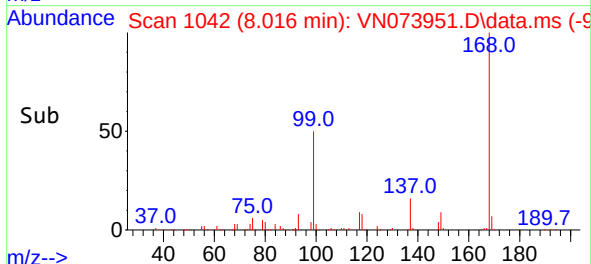
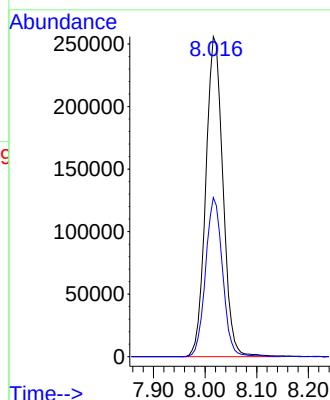
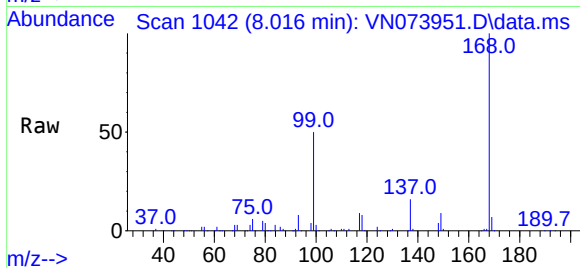




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

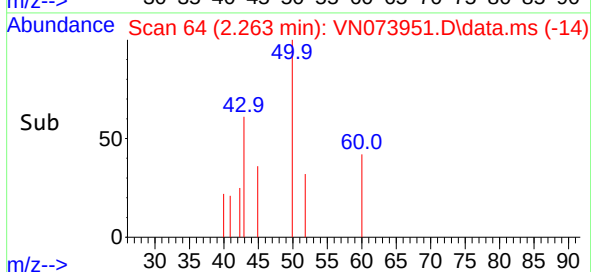
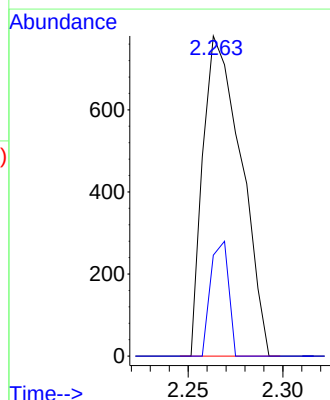
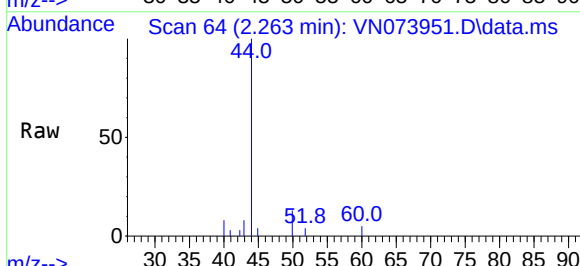
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

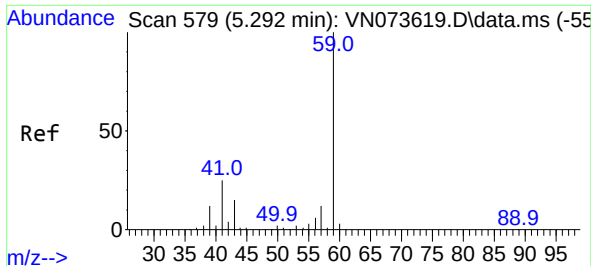
Tgt Ion:168 Resp: 591166
Ion Ratio Lower Upper
168 100
99 49.7 42.3 63.5



#3
Chloromethane
Concen: 0.210 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 50 Resp: 1095
Ion Ratio Lower Upper
50 100
52 31.5 25.7 38.5

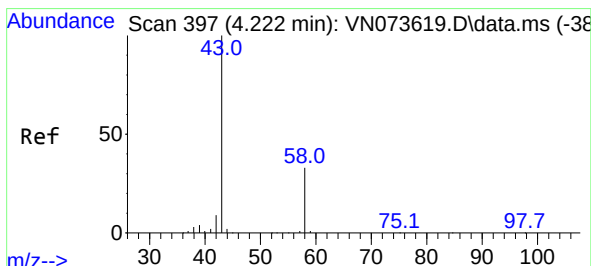
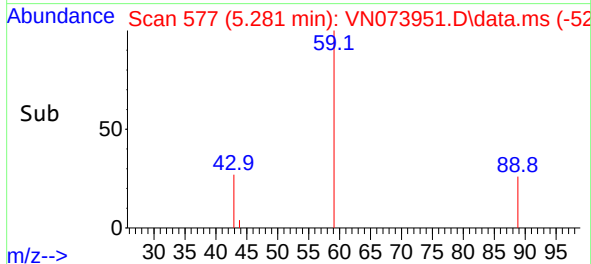
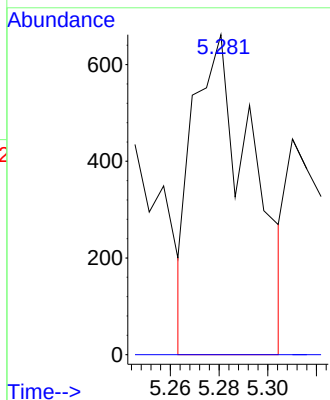
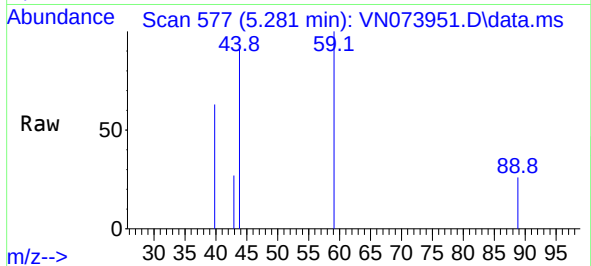




#11
Tert butyl alcohol
Concen: 0.866 ug/l
RT: 5.281 min Scan# 511
Delta R.T. -0.011 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

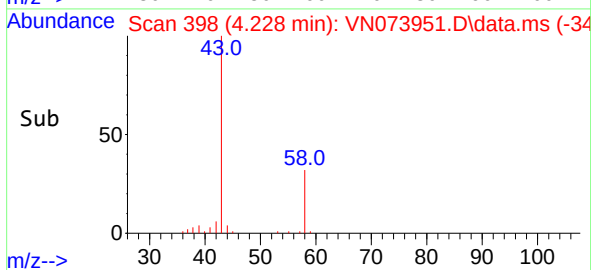
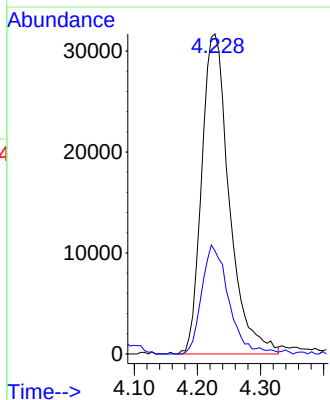
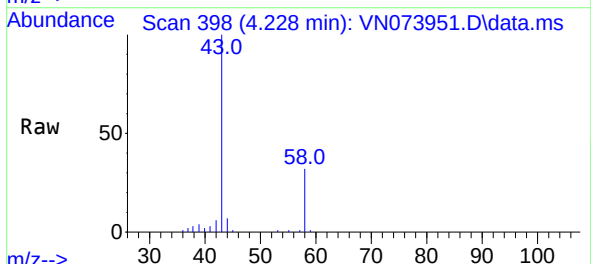
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

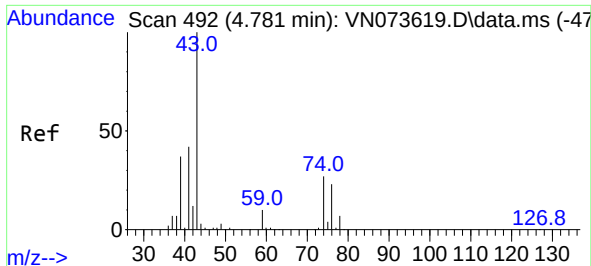
Tgt Ion: 59 Resp: 1115
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 35.464 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 43 Resp: 96339
Ion Ratio Lower Upper
43 100
58 32.2 26.0 39.0

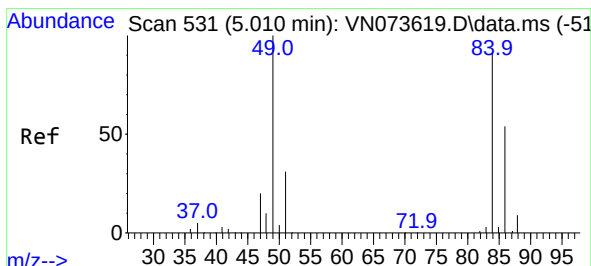
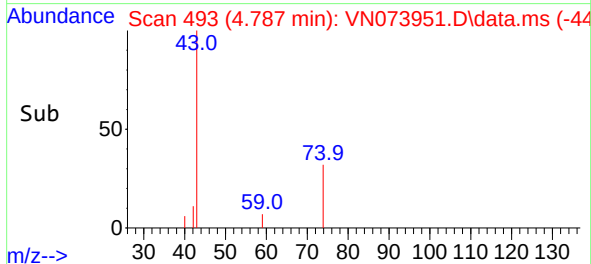
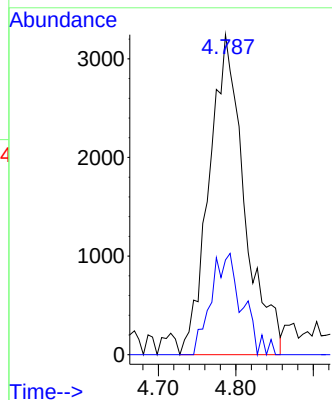
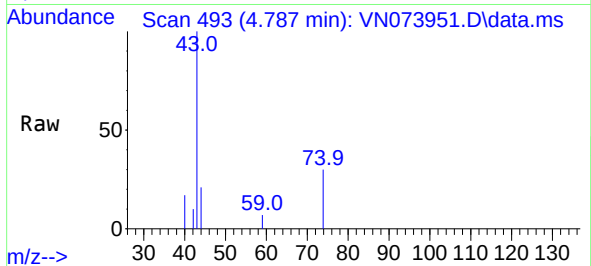




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 49
Delta R.T. 0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

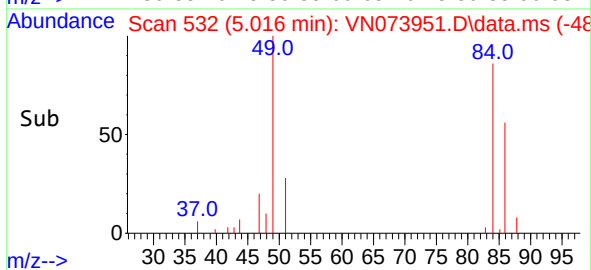
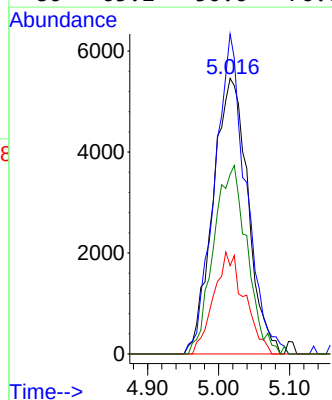
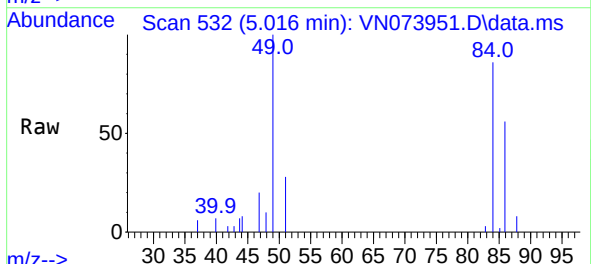
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

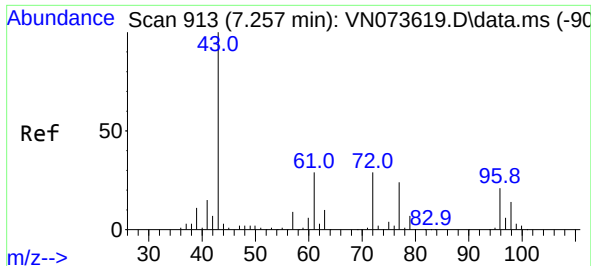
Tgt Ion: 43 Resp: 10298
Ion Ratio Lower Upper
43 100
74 27.9 21.6 32.4



#20
Methylene Chloride
Concen: 3.256 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 84 Resp: 18662
Ion Ratio Lower Upper
84 100
49 116.2 88.3 132.5
51 32.1 28.2 42.2
86 65.2 50.6 76.0





#25

2-Butanone

Concen: 3.358 ug/l

RT: 7.257 min Scan# 913

Delta R.T. 0.000 min

Lab File: VN073951.D

Acq: 16 Aug 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

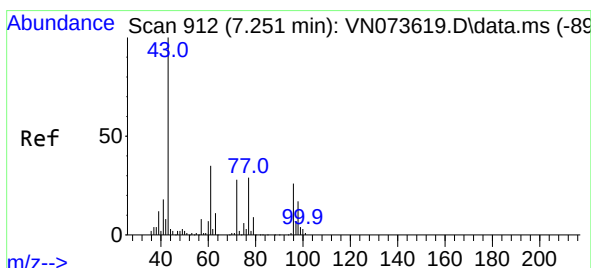
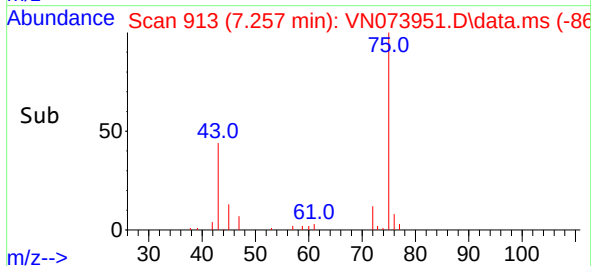
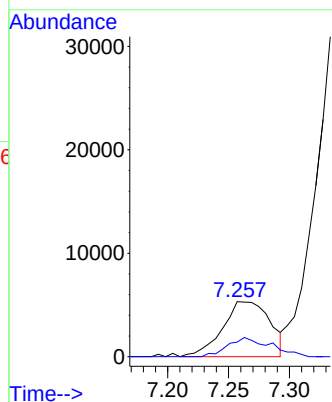
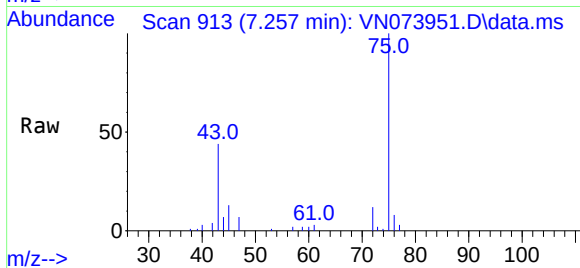
PB146976ZHE#07

Tgt Ion: 43 Resp: 14465

Ion Ratio Lower Upper

43 100

72 26.4 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.260 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.017 min

Lab File: VN073951.D

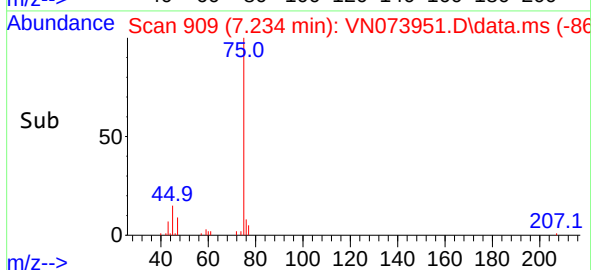
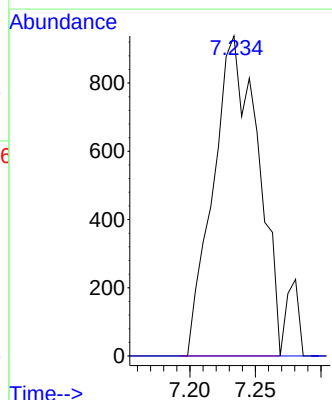
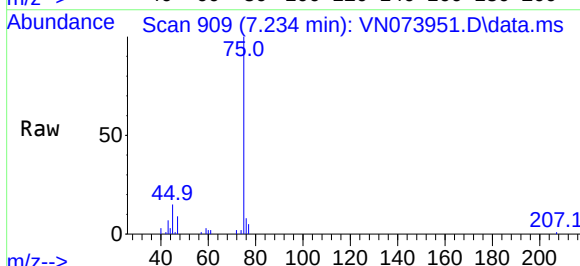
Acq: 16 Aug 2022 16:11

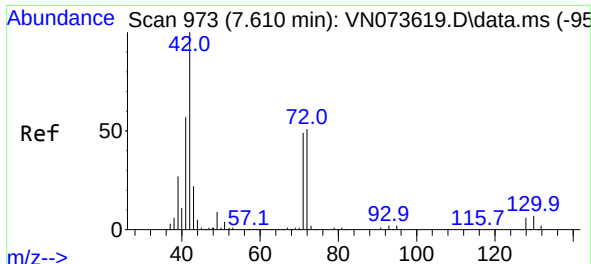
Tgt Ion: 77 Resp: 2229

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.482 ug/l

RT: 7.610 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN073951.D

Acq: 16 Aug 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

PB146976ZHE#07

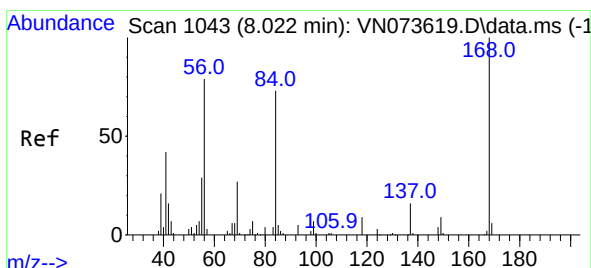
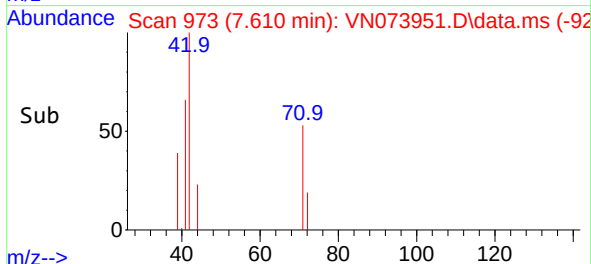
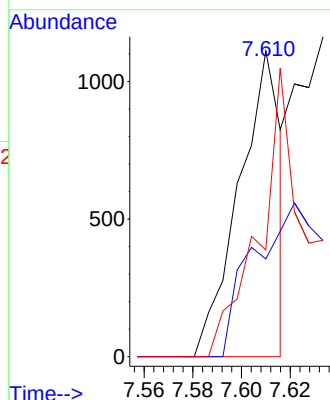
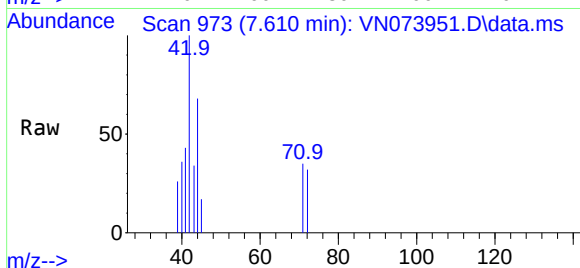
Tgt Ion: 42 Resp: 1331

Ion Ratio Lower Upper

42 100

72 103.6 39.7 59.5#

71 118.9 36.6 55.0#



#31

Cyclohexane

Concen: 1.112 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073951.D

Acq: 16 Aug 2022 16:11

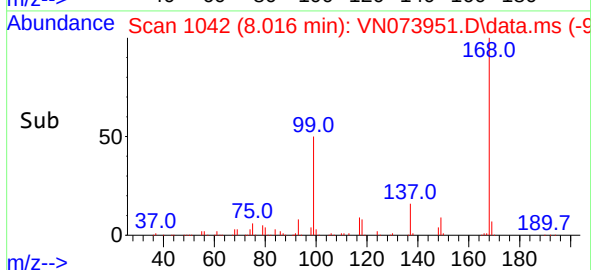
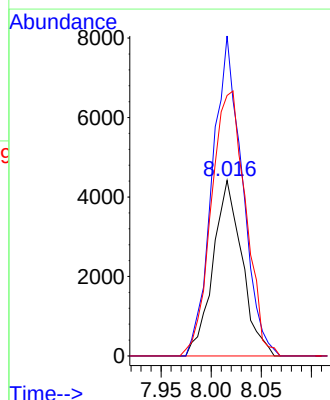
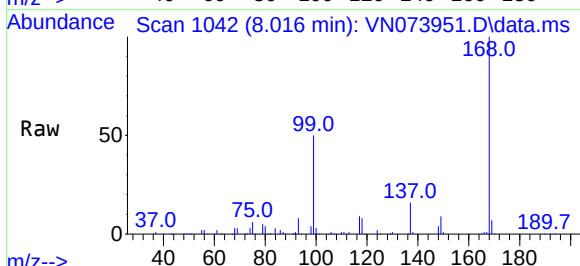
Tgt Ion: 56 Resp: 8927

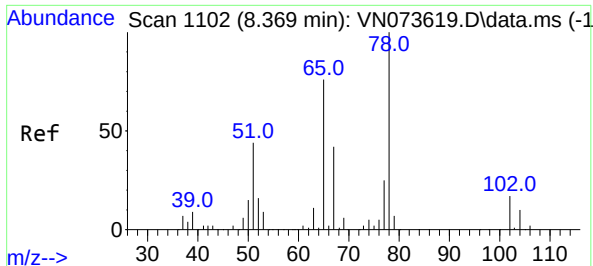
Ion Ratio Lower Upper

56 100

69 182.4 27.8 41.8#

84 148.5 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.107 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073951.D

Acq: 16 Aug 2022 16:11

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ClientSampleId :

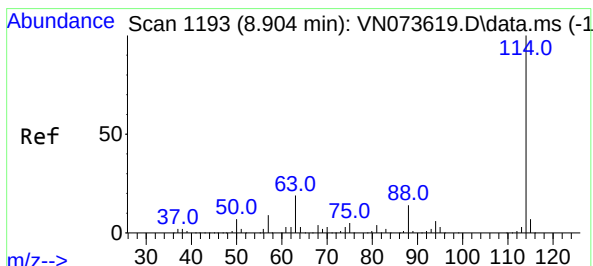
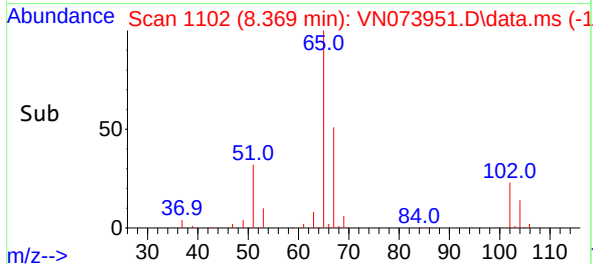
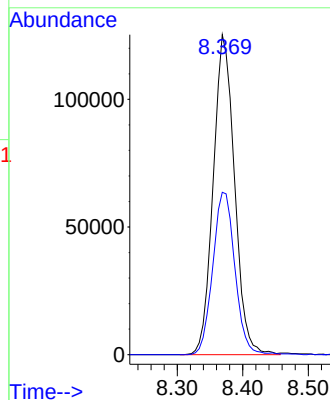
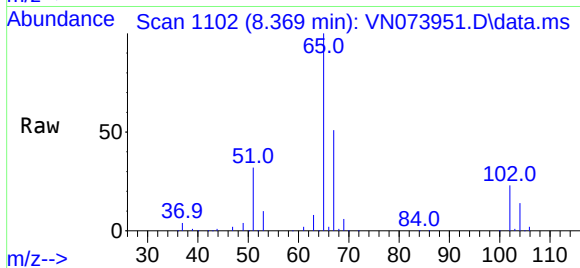
PB146976ZHE#07

Tgt Ion: 65 Resp: 282756

Ion Ratio Lower Upper

65 100

67 52.8 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: VN073951.D

Acq: 16 Aug 2022 16:11

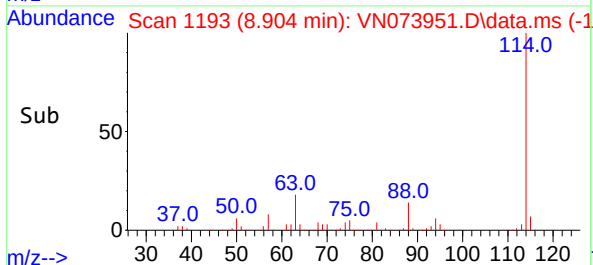
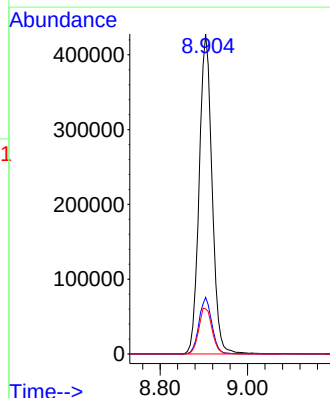
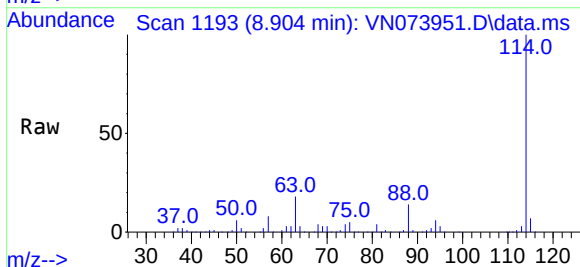
Tgt Ion: 114 Resp: 877600

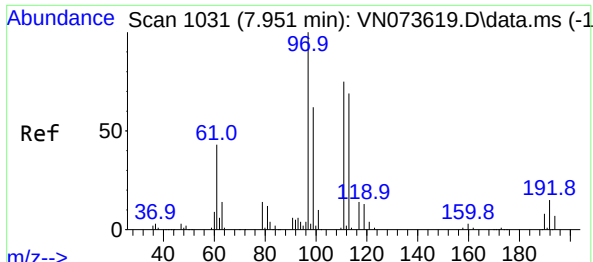
Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

88 14.1 0.0 32.6

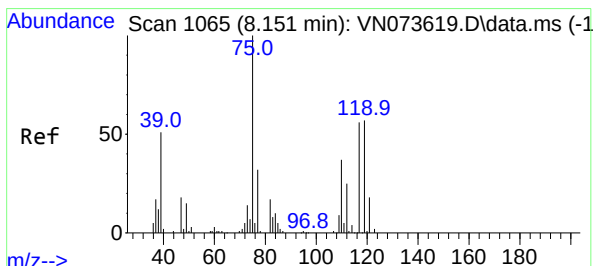
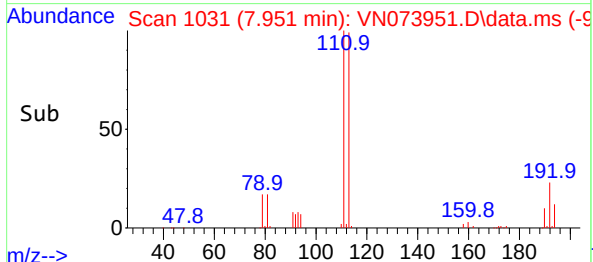
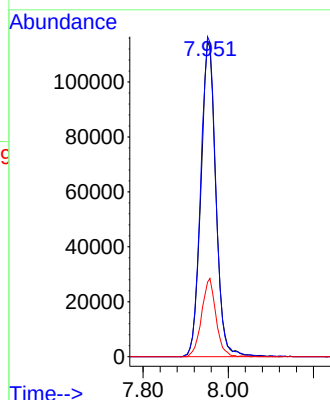
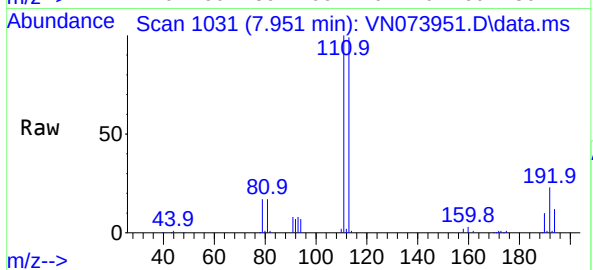




#35
Dibromofluoromethane
Concen: 53.804 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

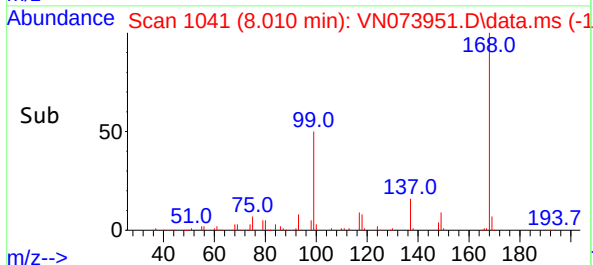
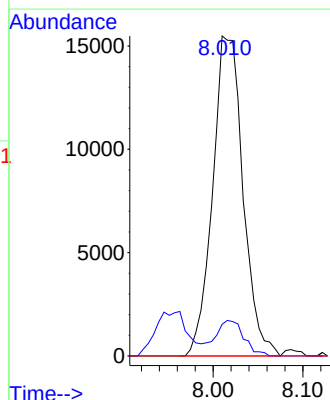
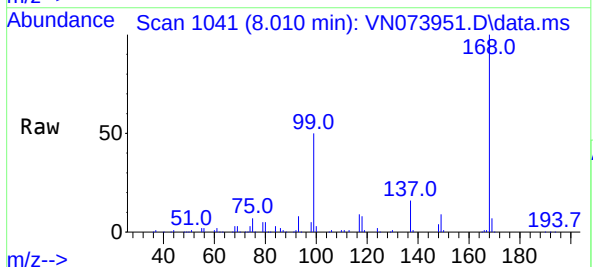
Instrument :
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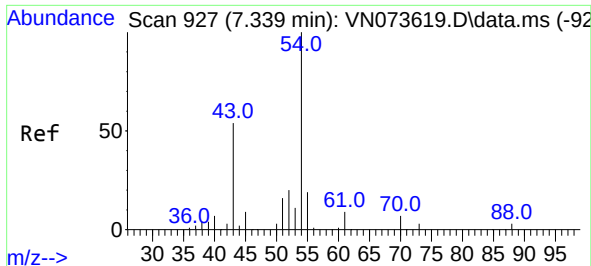
Tgt Ion:113 Resp: 279247
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 23.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.051 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 75 Resp: 36413
Ion Ratio Lower Upper
75 100
110 10.6 18.3 54.8#
77 0.0 25.1 37.7#

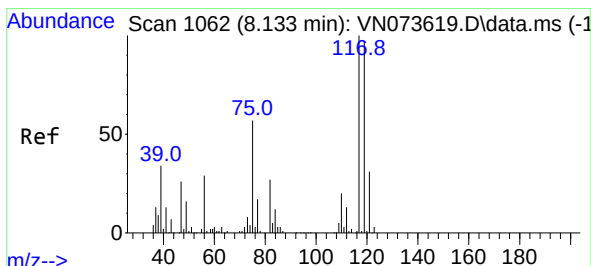
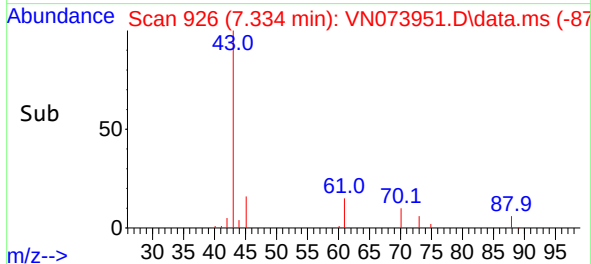
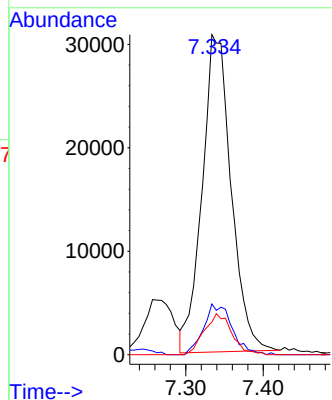
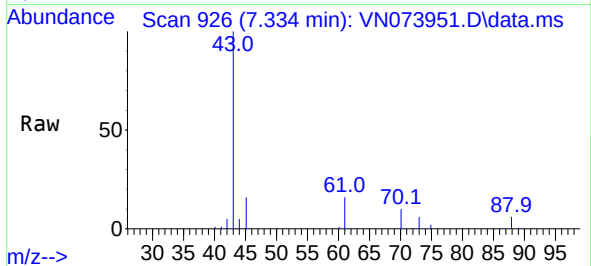




#37
Ethyl Acetate
Concen: 9.130 ug/l
RT: 7.334 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

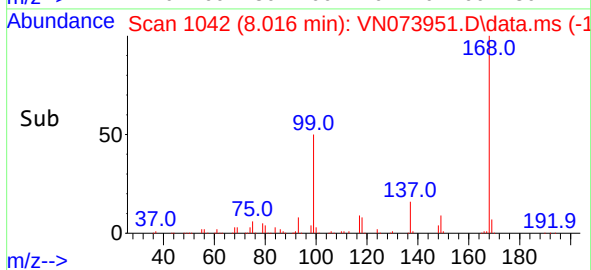
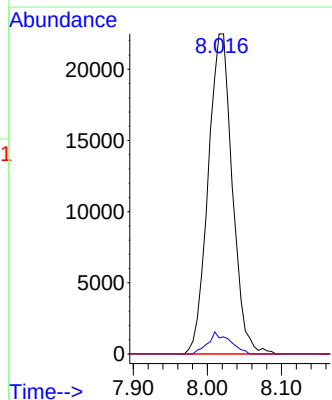
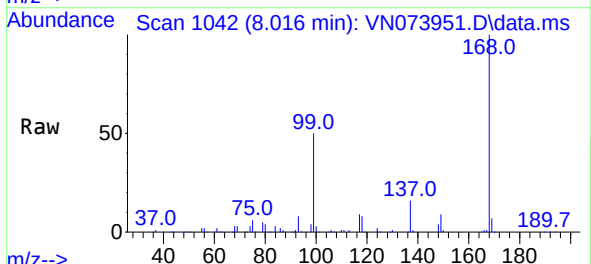
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

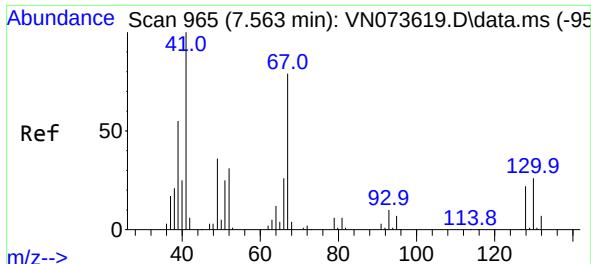
Tgt Ion:	43	Resp:	79737
Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	12.3	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

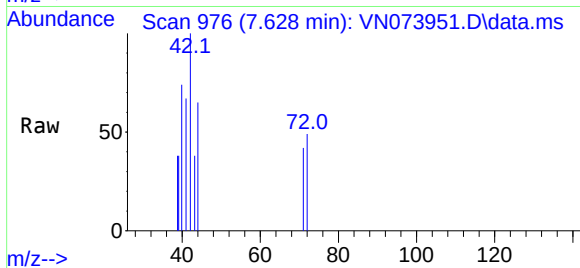
Tgt Ion:	117	Resp:	51015
Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.8	113.8#
121	0.0	24.6	37.0#



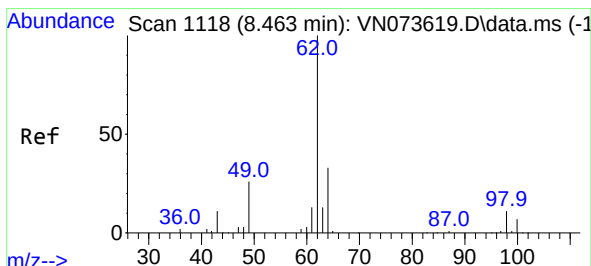
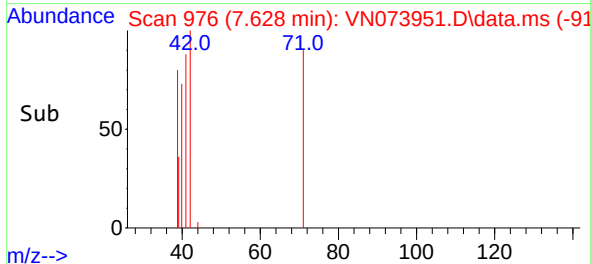
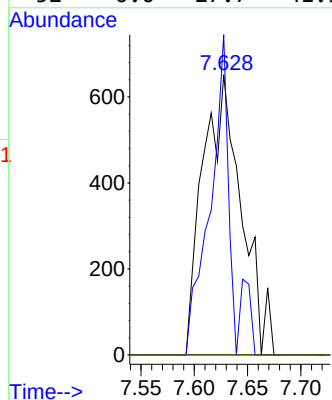


#41
Methacrylonitrile
Concen: 0.416 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

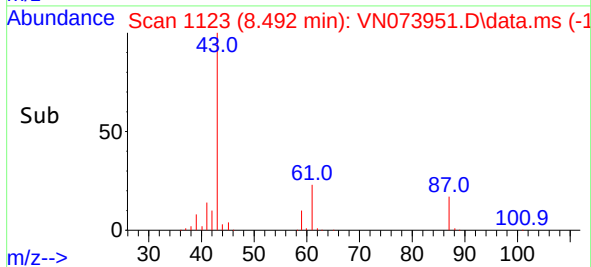
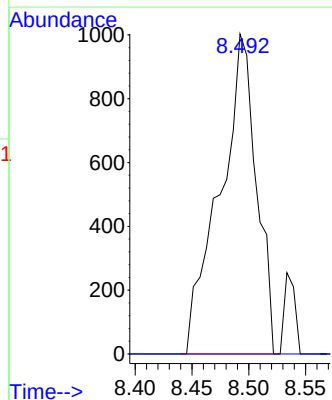
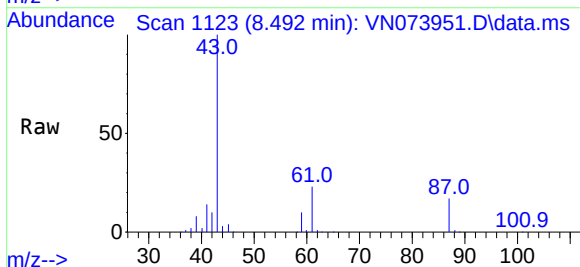


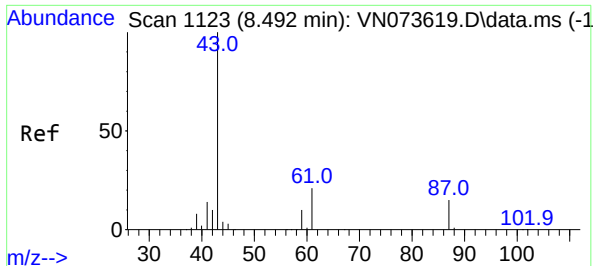
Tgt Ion:	41	Resp:	1640
Ion	Ratio	Lower	Upper
41	100		
39	53.4	48.6	73.0
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#42
1,2-Dichloroethane
Concen: 0.287 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion:	62	Resp:	2243
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4

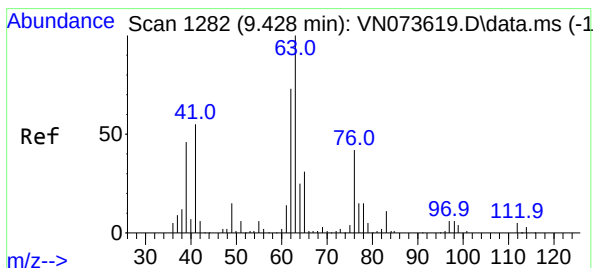
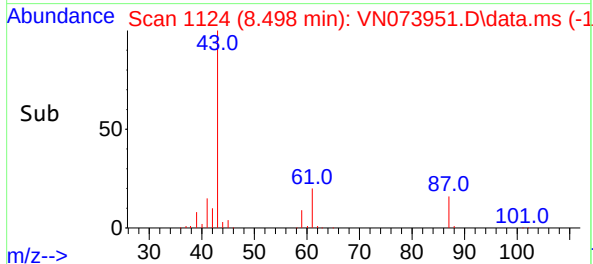
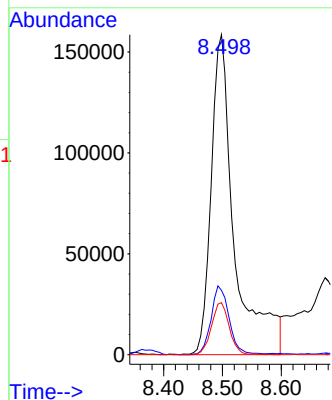
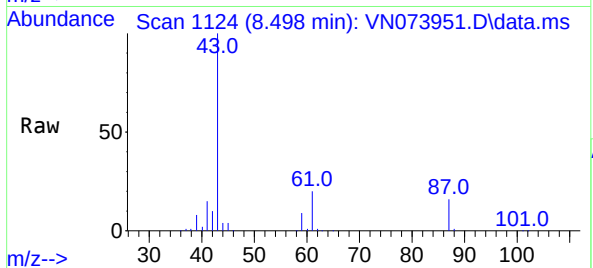




#43
Isopropyl Acetate
Concen: 35.147 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

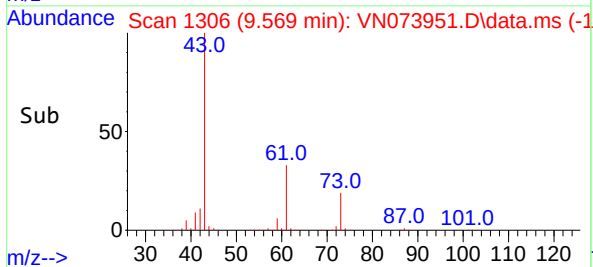
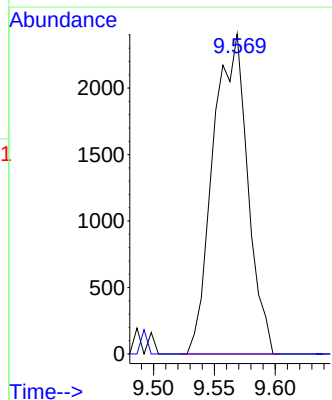
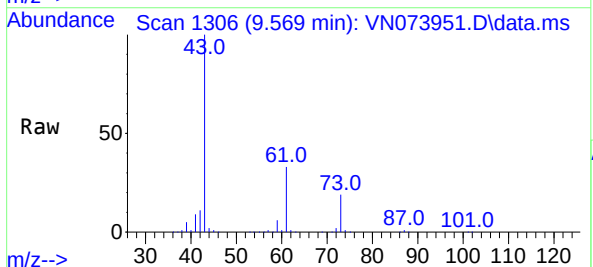
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

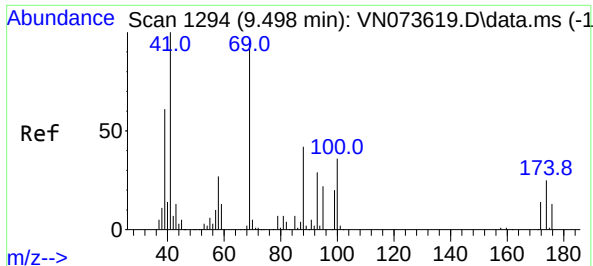
Tgt Ion: 43 Resp: 437284
Ion Ratio Lower Upper
43 100
61 16.7 21.9 32.9#
87 12.3 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.871 ug/l
RT: 9.569 min Scan# 1306
Delta R.T. 0.141 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 63 Resp: 4751
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

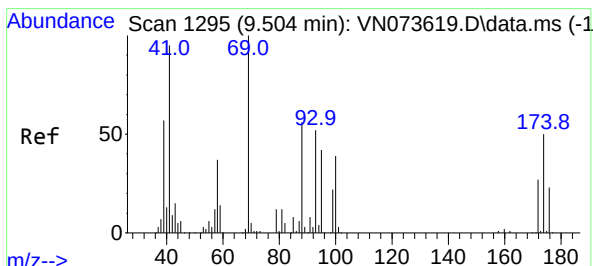
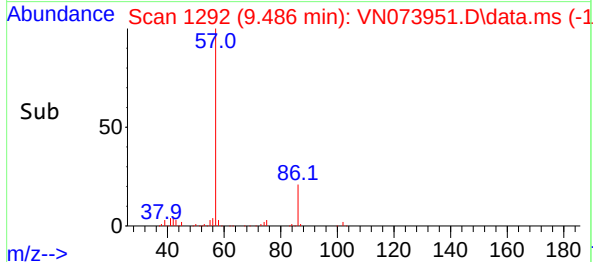
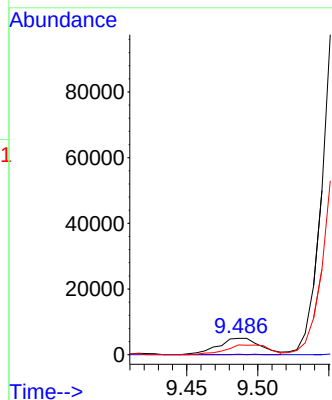
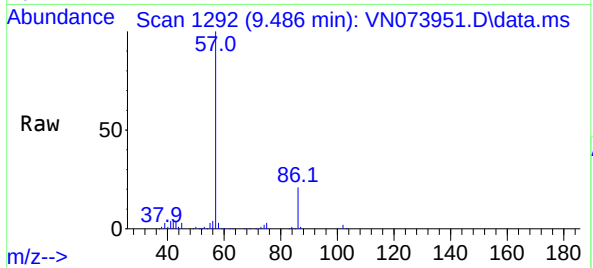




#48
Methyl methacrylate
Concen: 1.972 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

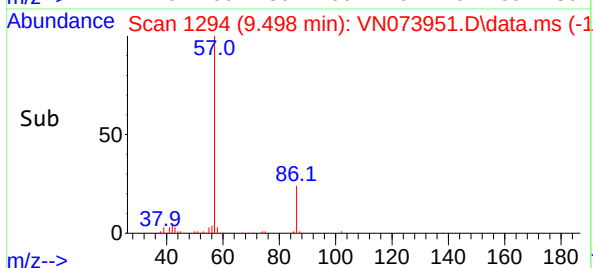
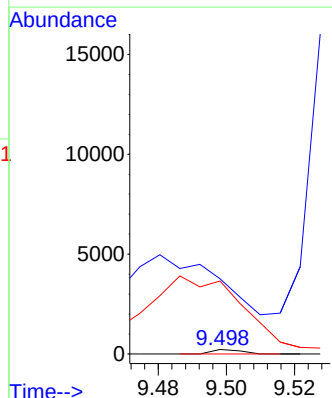
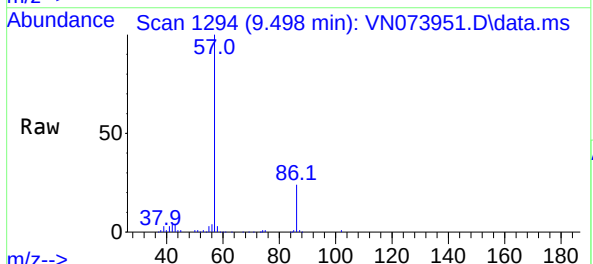
Instrument : MSVOA_N
ClientSampleId : PB146976ZHE#07

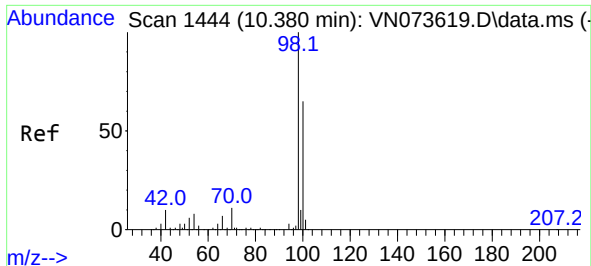
Tgt Ion: 41 Resp: 10499
Ion Ratio Lower Upper
41 100
69 1.1 74.7 112.1#
39 59.2 45.6 68.4



#49
1,4-Dioxane
Concen: 0.853 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 6217.0 54.2 81.4#

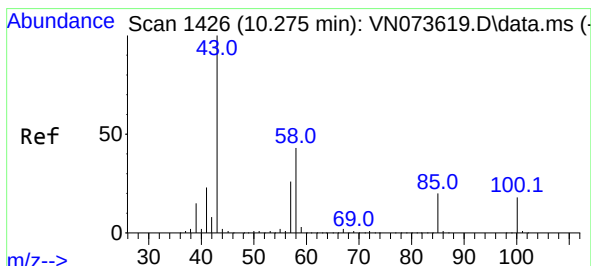
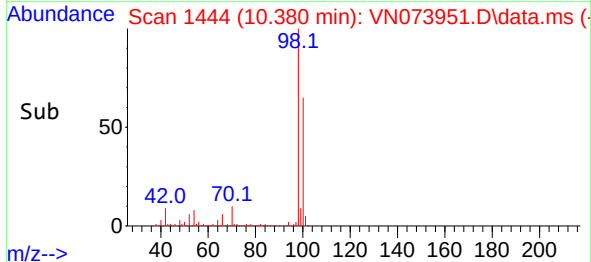
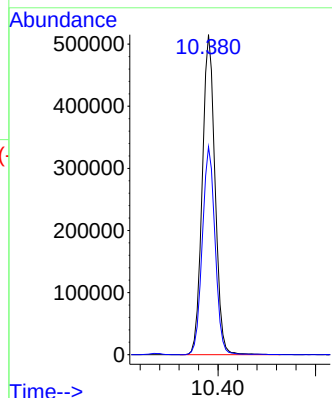
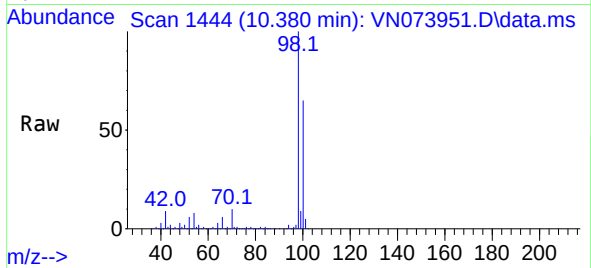




#50
Toluene-d8
Concen: 46.551 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

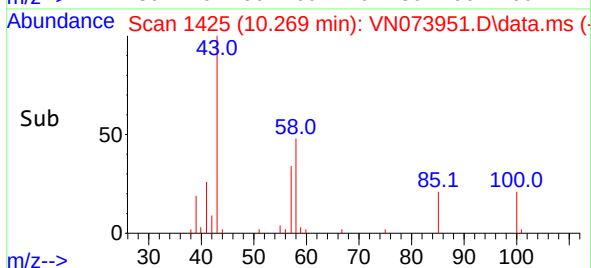
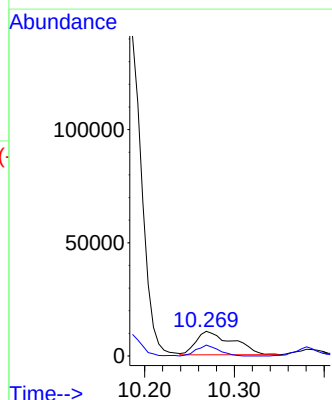
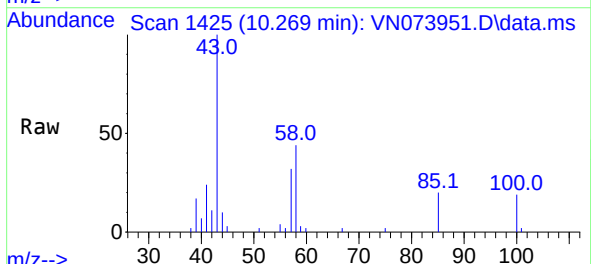
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

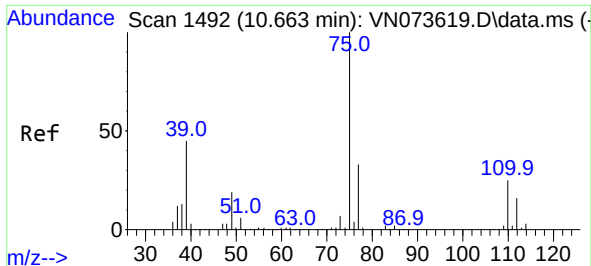
Tgt Ion: 98 Resp: 935704
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.520 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 43 Resp: 29612
Ion Ratio Lower Upper
43 100
58 27.6 34.1 51.1#

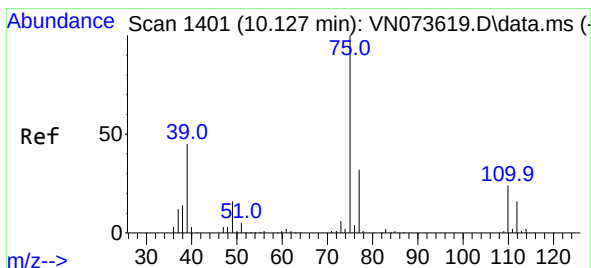
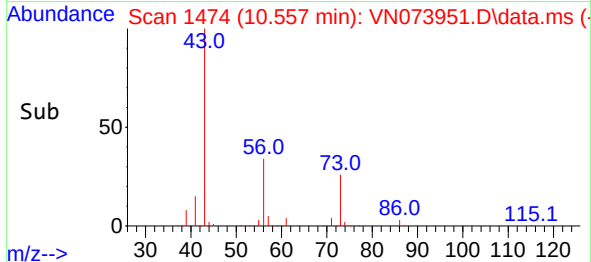
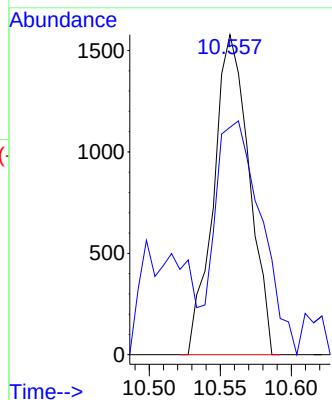
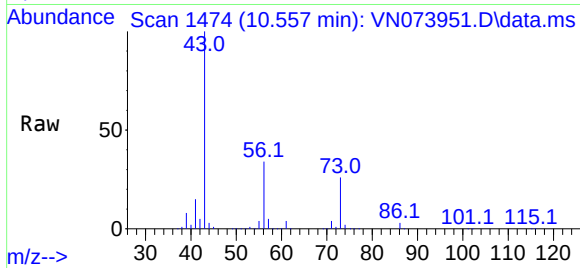




#53
 t-1,3-Dichloropropene
 Concen: 0.331 ug/l
 RT: 10.557 min Scan# 1411
 Delta R.T. -0.106 min
 Lab File: VN073951.D
 Acq: 16 Aug 2022 16:11

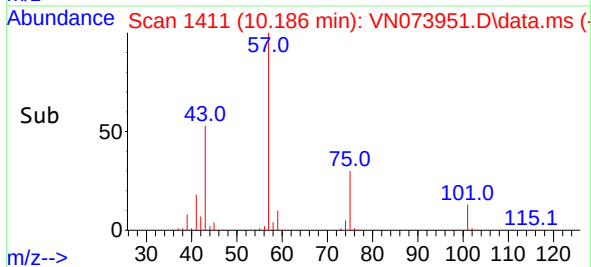
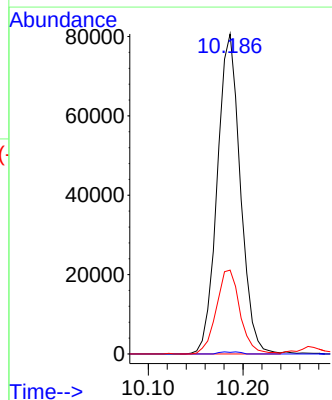
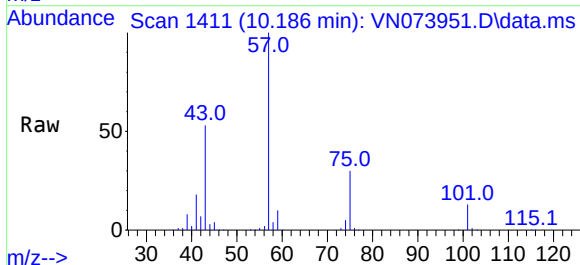
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#07

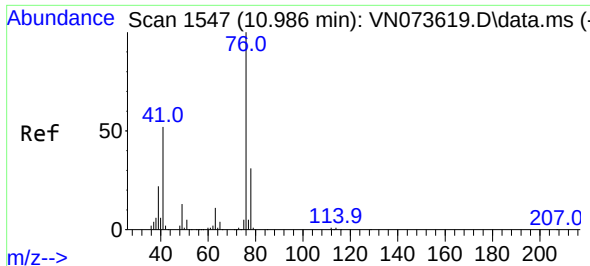
Tgt Ion: 75 Resp: 2752
 Ion Ratio Lower Upper
 75 100
 77 59.7 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 15.021 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073951.D
 Acq: 16 Aug 2022 16:11

Tgt Ion: 75 Resp: 136671
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 26.2 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.829 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073951.D

Acq: 16 Aug 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

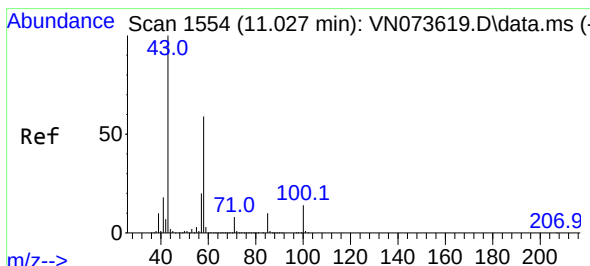
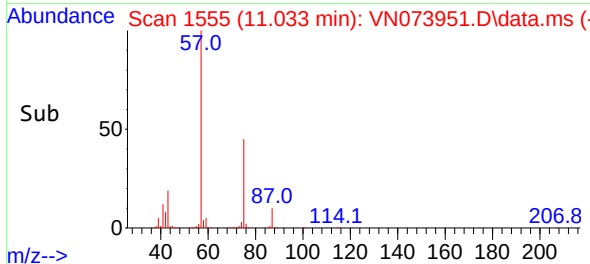
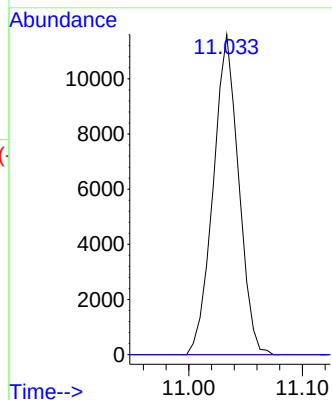
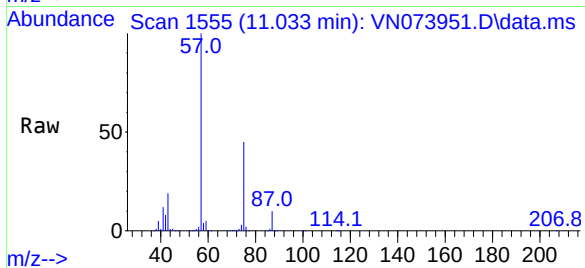
PB146976ZHE#07

Tgt Ion: 76 Resp: 18052

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 33.815 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073951.D

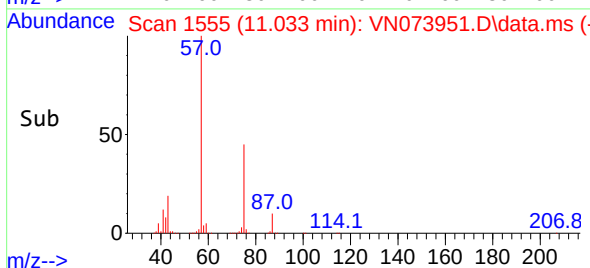
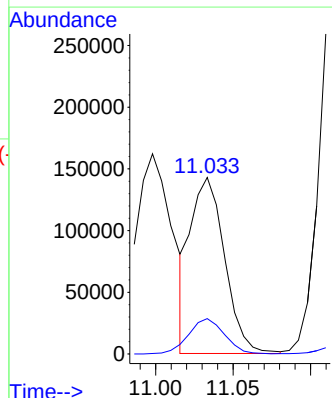
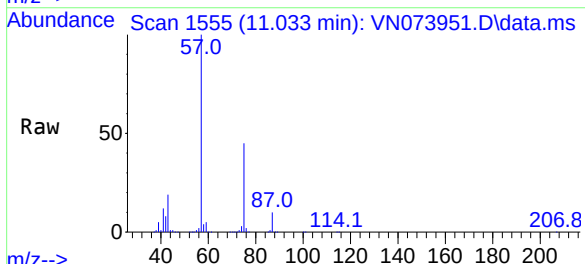
Acq: 16 Aug 2022 16:11

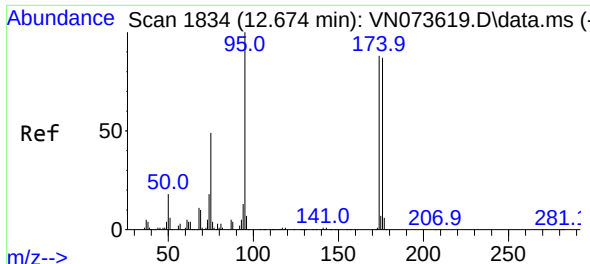
Tgt Ion: 43 Resp: 218909

Ion Ratio Lower Upper

43 100

58 21.2 29.7 89.1#

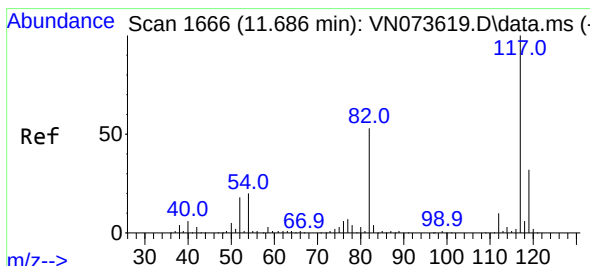
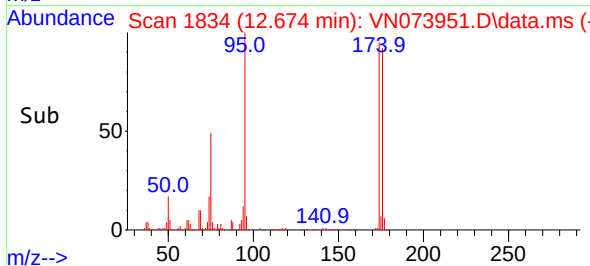
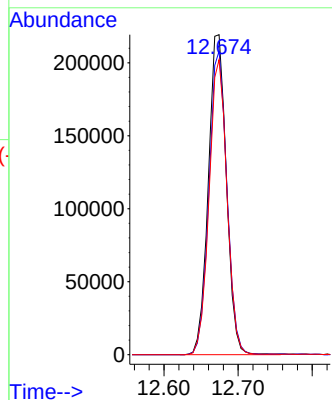
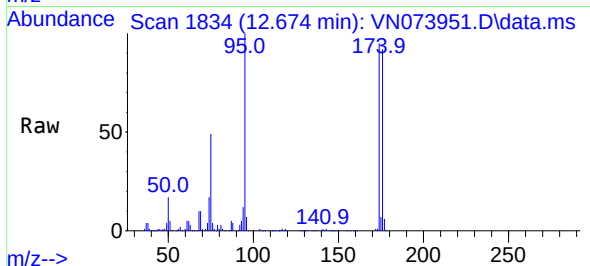




#62
4-Bromofluorobenzene
Concen: 55.620 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

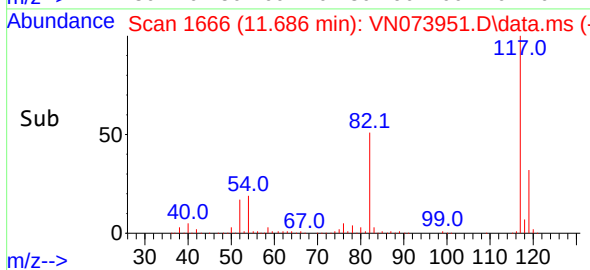
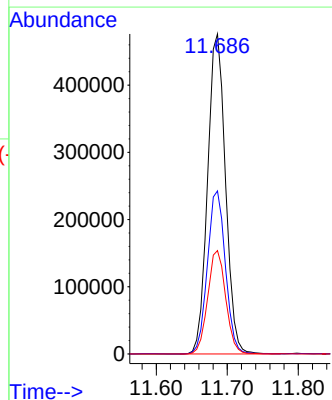
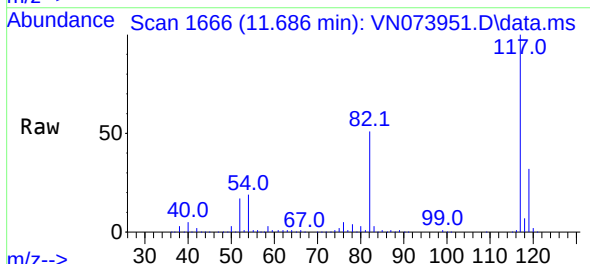
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

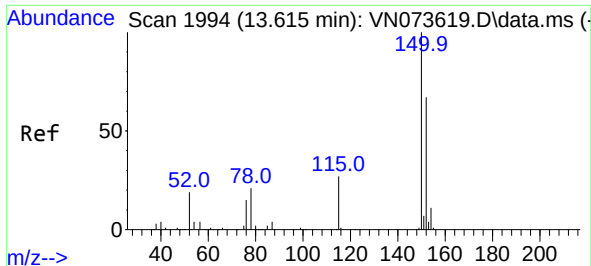
Tgt Ion: 95 Resp: 371039
Ion Ratio Lower Upper
95 100
174 94.2 0.0 167.6
176 91.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 117 Resp: 835126
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.2
119 32.3 25.4 38.0

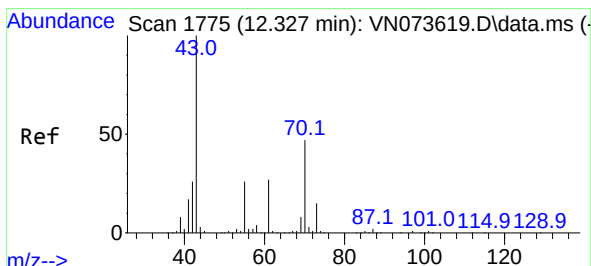
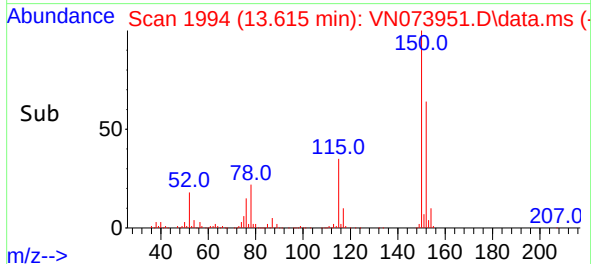
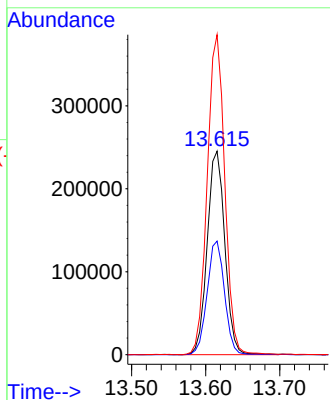
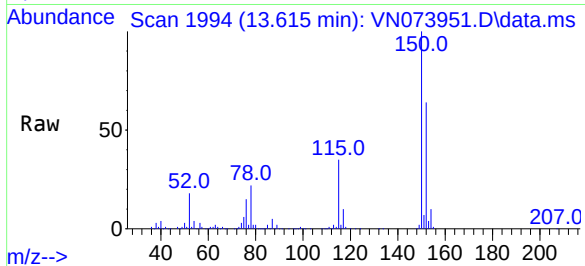




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

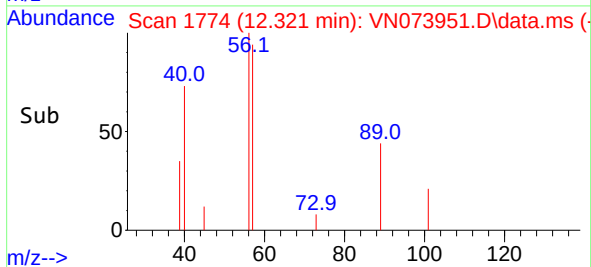
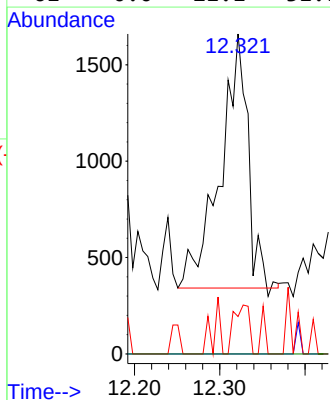
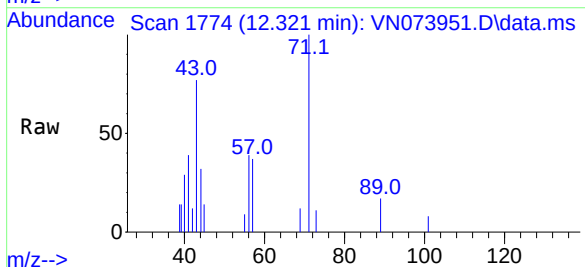
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

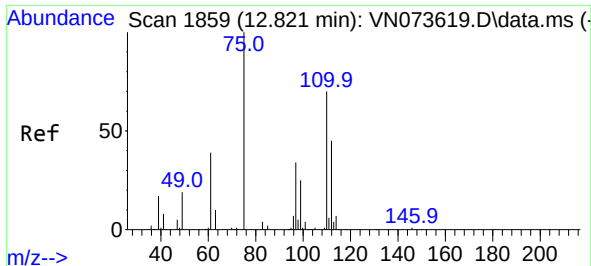
Tgt Ion:152 Resp: 405668
Ion Ratio Lower Upper
152 100
115 55.1 28.9 86.7
150 156.4 0.0 356.2



#74
N-ethyl acetate
Concen: 0.267 ug/l
RT: 12.321 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 10.8 21.1 31.7#
61 0.0 21.1 31.7#

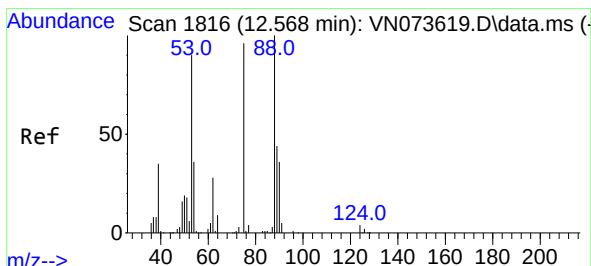
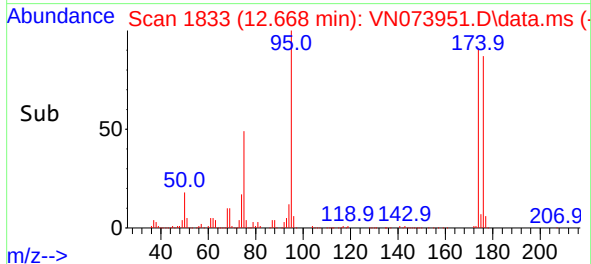
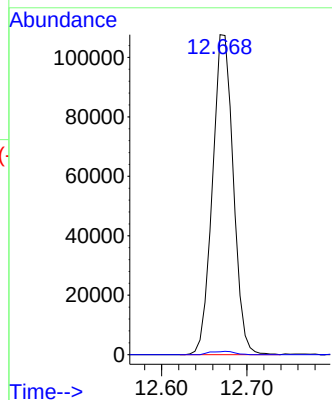
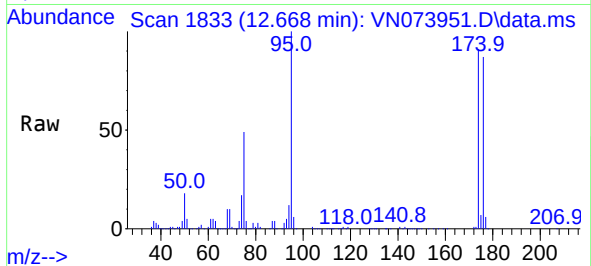




#76
1,2,3-Trichloropropane
Concen: 21.665 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#07

Tgt Ion: 75 Resp: 182671
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.618 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN073951.D
Acq: 16 Aug 2022 16:11

Tgt Ion: 75 Resp: 182671
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

