

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073948.D
 Acq On : 16 Aug 2022 14:57
 Operator : JC\MD
 Sample : PB146976ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#04

Quant Time: Aug 17 01:15:10 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)

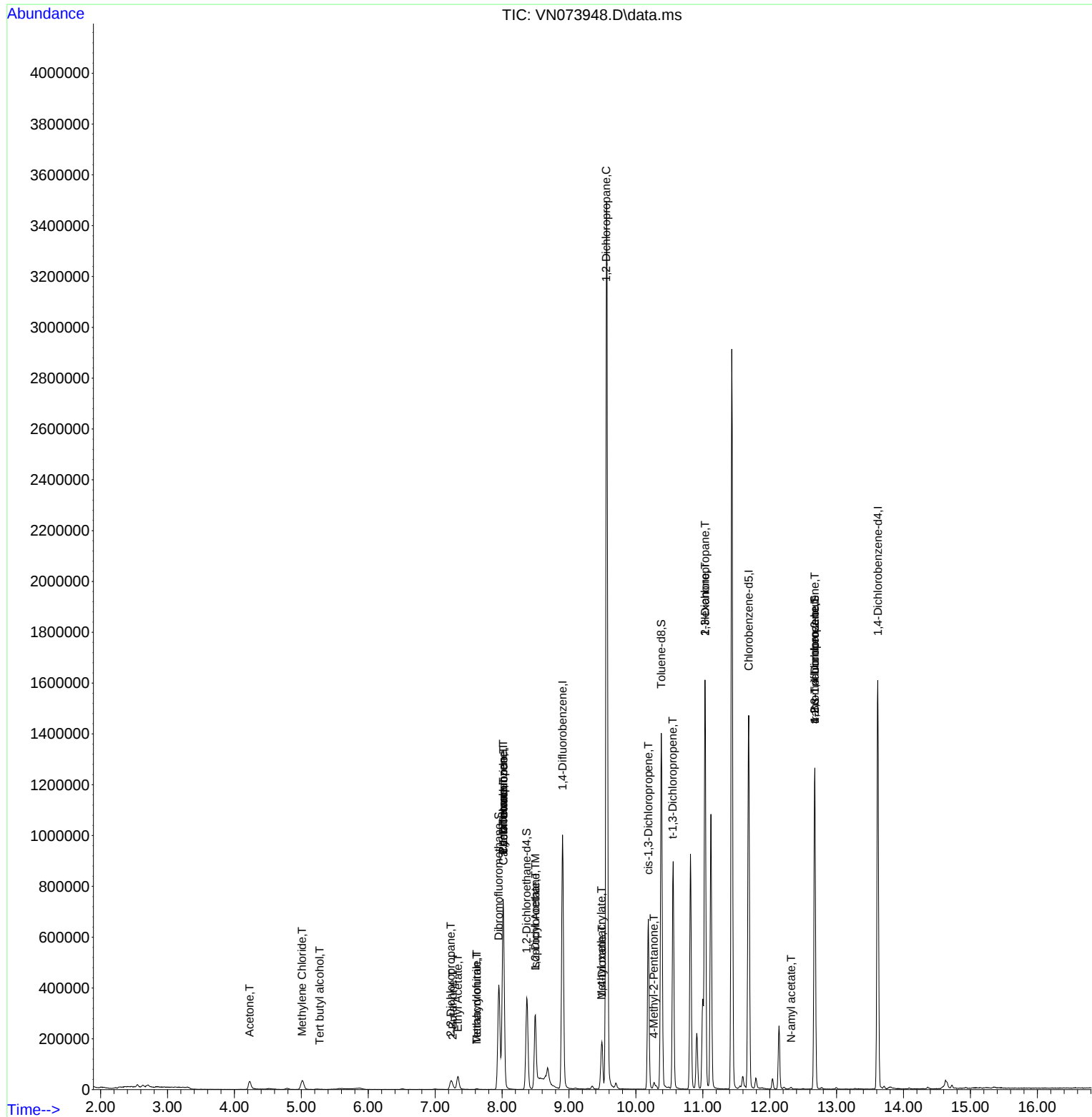
Internal Standards						
1) Pentafluorobenzene	8.016	168	635568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	932526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	917302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	480253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	305447	49.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.680%		
35) Dibromofluoromethane	7.951	113	298721	54.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.340%		
50) Toluene-d8	10.380	98	999290	46.786	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.580%		
62) 4-Bromofluorobenzene	12.674	95	414579	58.486	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.980%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.275	59	488	0.352	ug/l #	72
16) Acetone	4.228	43	59418	20.345	ug/l	95
18) Methyl Acetate	4.793	43	9548	Below Cal		99
20) Methylene Chloride	5.010	84	31670	5.139	ug/l	98
25) 2-Butanone	7.263	43	12493	2.698	ug/l	97
26) 2,2-Dichloropropane	7.234	77	2530	0.275	ug/l #	53
29) Tetrahydrofuran	7.622	42	2149	0.723	ug/l	89
31) Cyclohexane	8.016	56	10407	1.206	ug/l #	12
36) 1,1-Dichloropropene	8.016	75	39765	5.191	ug/l #	49
37) Ethyl Acetate	7.339	43	77742	8.377	ug/l	98
38) Carbon Tetrachloride	8.022	117	54735	6.251	ug/l #	17
41) Methacrylonitrile	7.622	41	1370	0.327	ug/l #	31
42) 1,2-Dichloroethane	8.498	62	2508	0.302	ug/l #	74
43) Isopropyl Acetate	8.498	43	351910	26.619	ug/l #	91
45) 1,2-Dichloropropane	9.557	63	4770	0.823	ug/l #	44
48) Methyl methacrylate	9.486	41	11123	1.966	ug/l #	40
49) 1,4-Dioxane	9.492	88	181	1.076	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	25735	2.879	ug/l #	75
53) t-1,3-Dichloropropene	10.551	75	2756	0.312	ug/l #	62
54) cis-1,3-Dichloropropene	10.186	75	129326	13.377	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	17917	1.709	ug/l #	42
59) 2-Hexanone	11.033	43	215128	31.274	ug/l #	48
74) N-amyl acetate	12.321	43	3762	0.285	ug/l #	44
76) 1,2,3-Trichloropropane	12.674	75	205185	20.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	205185	58.464	ug/l #	10

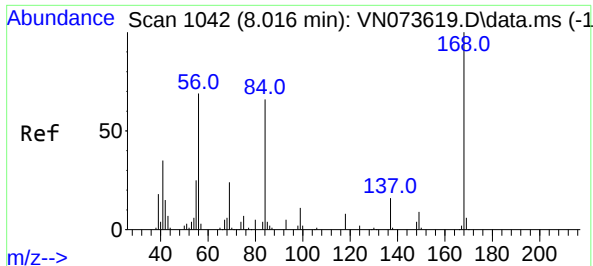
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
Data File : VN073948.D
Acq On : 16 Aug 2022 14:57
Operator : JC\MD
Sample : PB146976ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

Quant Time: Aug 17 01:15:10 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

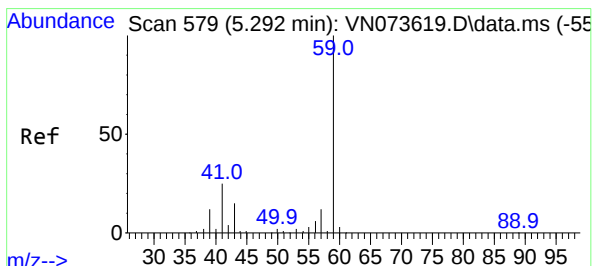
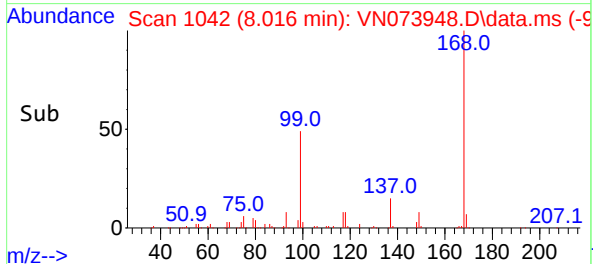
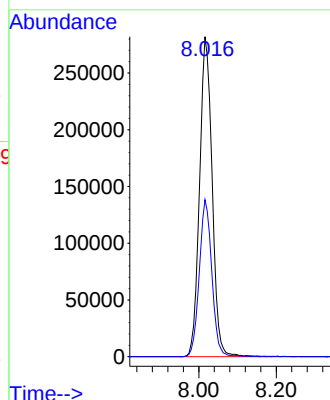
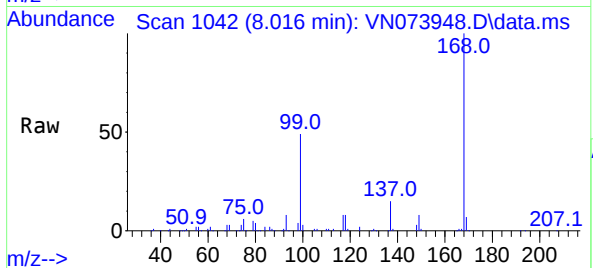




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

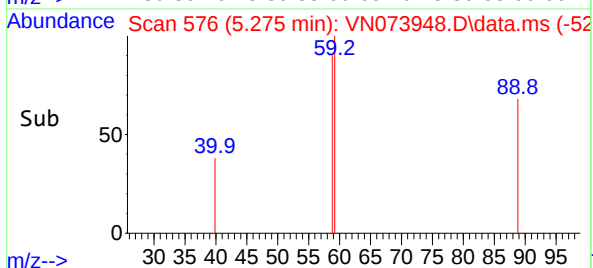
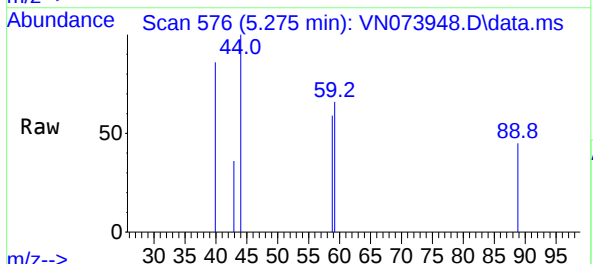
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

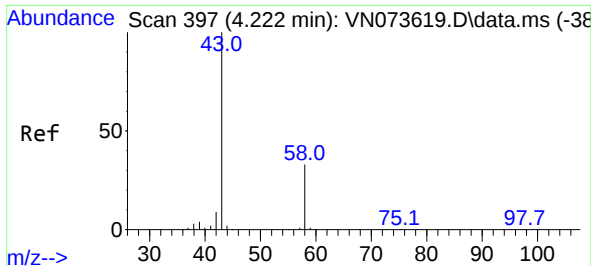
Tgt Ion:168 Resp: 635568
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.352 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.017 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 59 Resp: 488
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

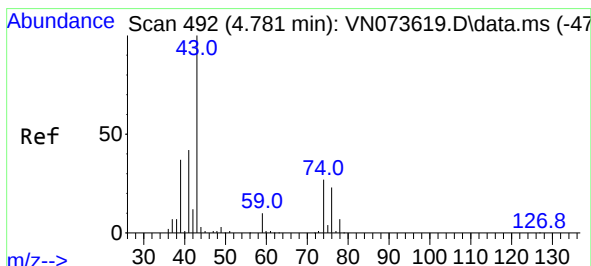
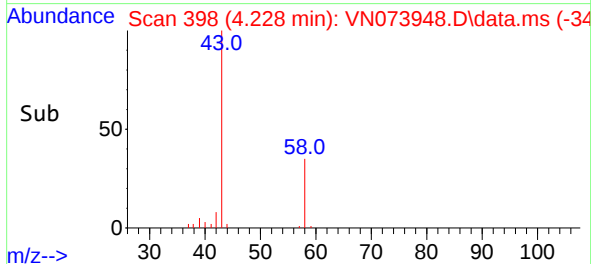
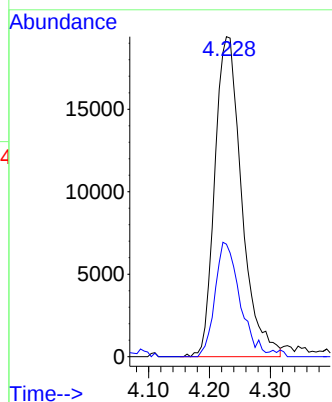
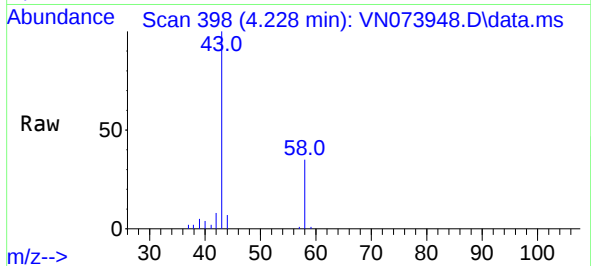




#16
Acetone
Concen: 20.345 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

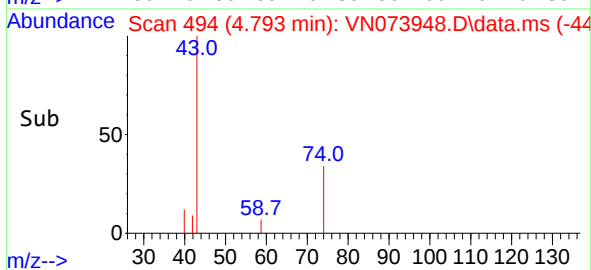
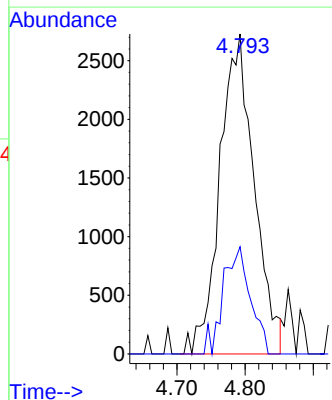
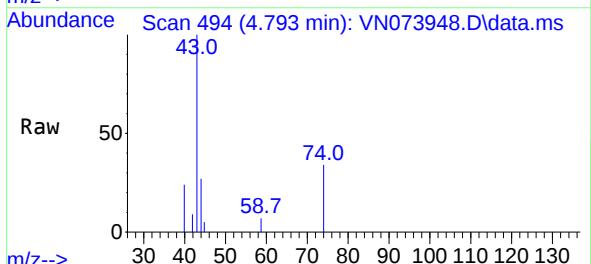
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

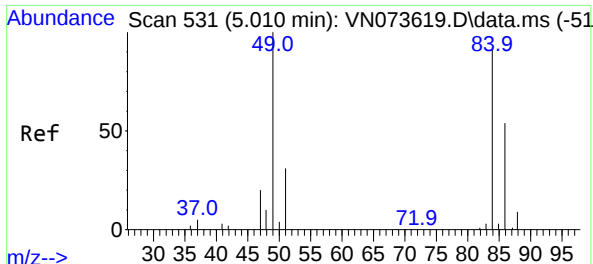
Tgt Ion: 43 Resp: 59418
Ion Ratio Lower Upper
43 100
58 35.2 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

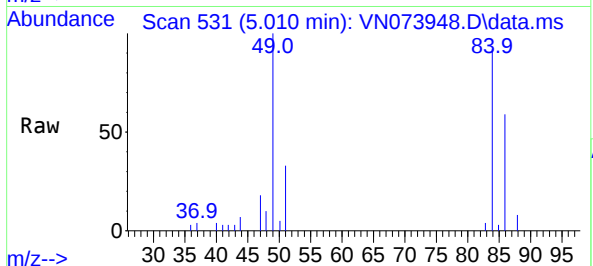
Tgt Ion: 43 Resp: 9548
Ion Ratio Lower Upper
43 100
74 26.5 21.6 32.4





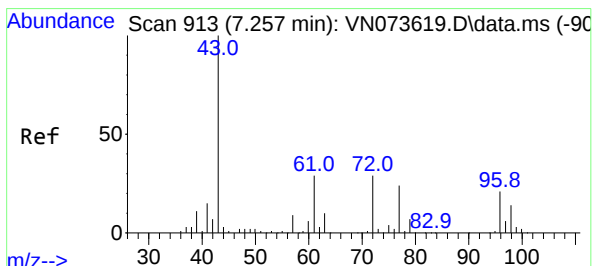
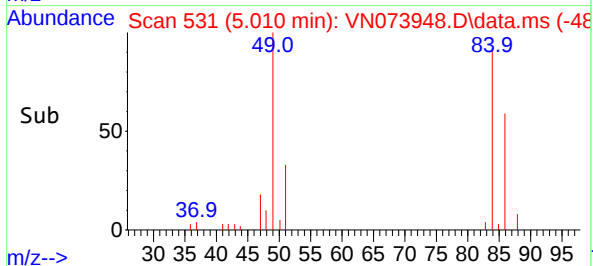
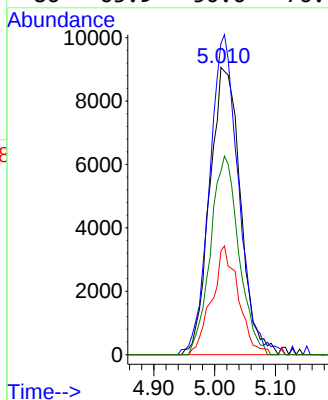
#20
Methylene Chloride
Concen: 5.139 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04



Tgt Ion: 84 Resp: 31670

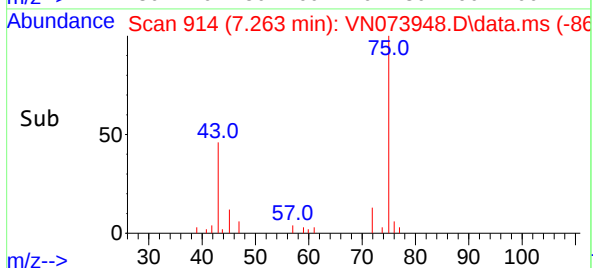
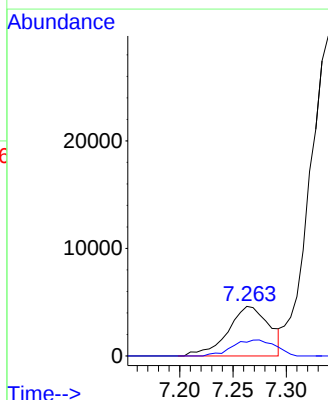
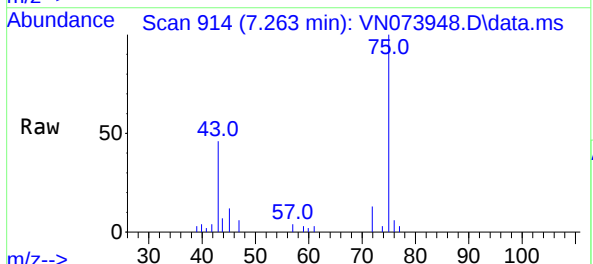
Ion	Ratio	Lower	Upper
84	100		
49	108.3	88.3	132.5
51	36.1	28.2	42.2
86	63.9	50.6	76.0

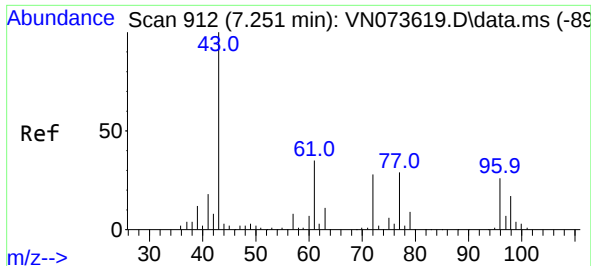


#25
2-Butanone
Concen: 2.698 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 43 Resp: 12493

Ion	Ratio	Lower	Upper
43	100		
72	27.8	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.275 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.017 min

Lab File: VN073948.D

Acq: 16 Aug 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

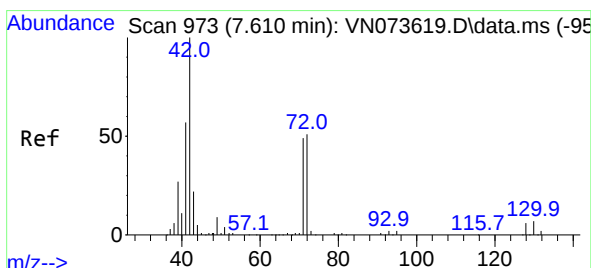
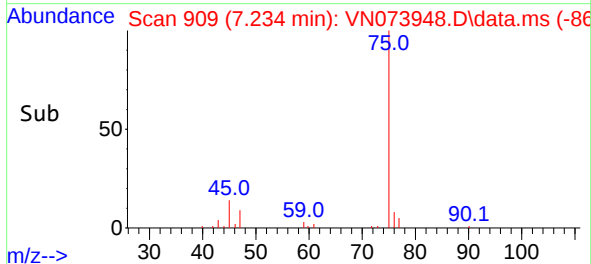
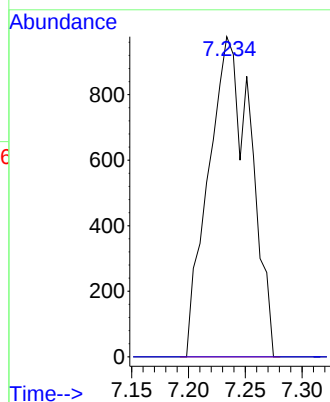
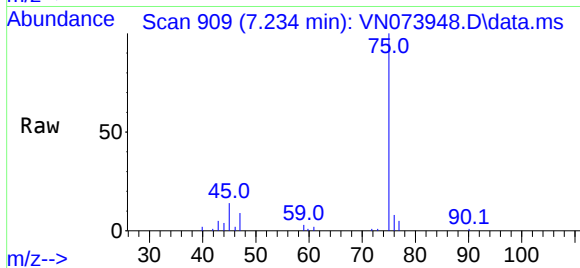
PB146976ZHE#04

Tgt Ion: 77 Resp: 2530

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.723 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073948.D

Acq: 16 Aug 2022 14:57

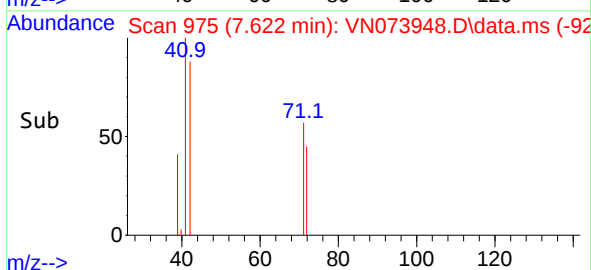
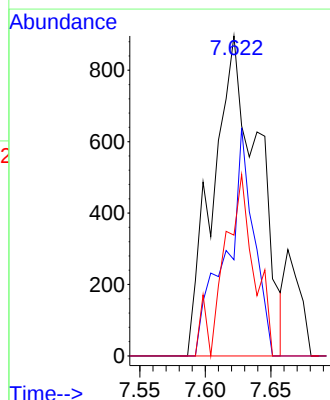
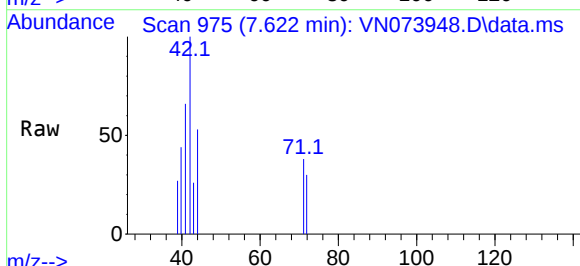
Tgt Ion: 42 Resp: 2149

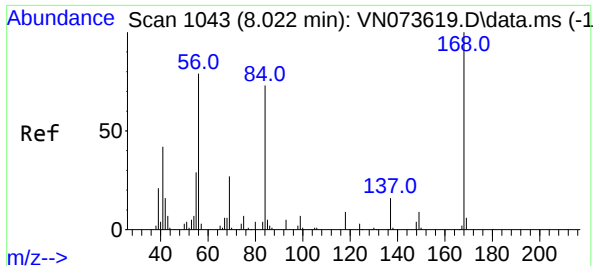
Ion Ratio Lower Upper

42 100

72 43.7 39.7 59.5

71 37.3 36.6 55.0

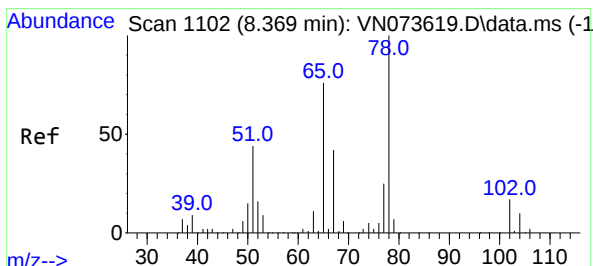
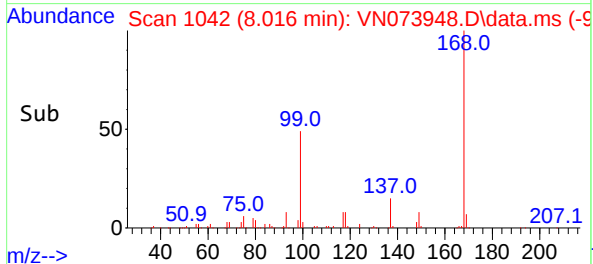
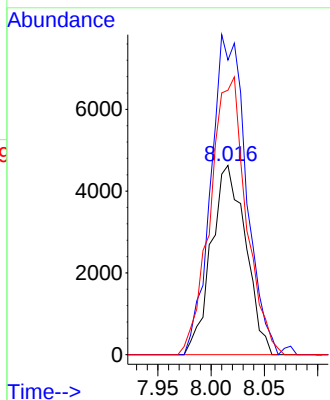
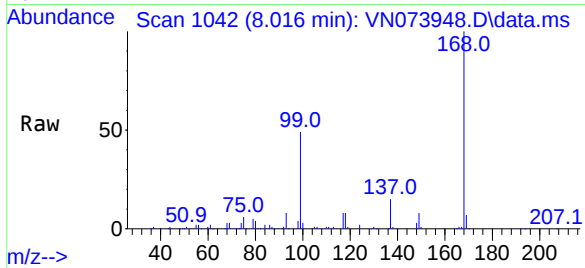




#31
Cyclohexane
Concen: 1.206 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

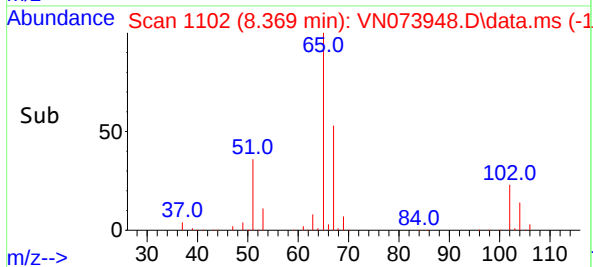
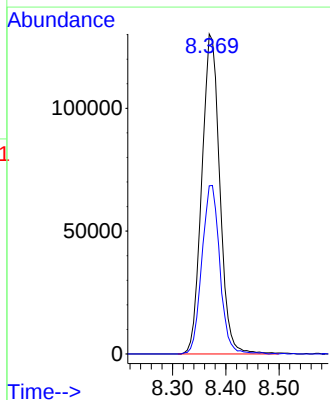
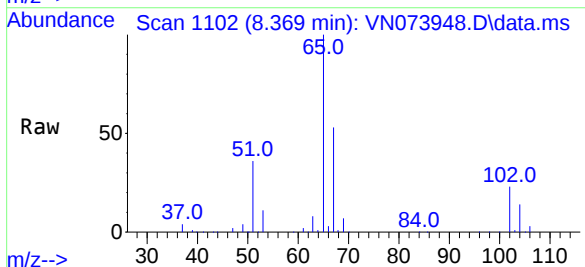
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

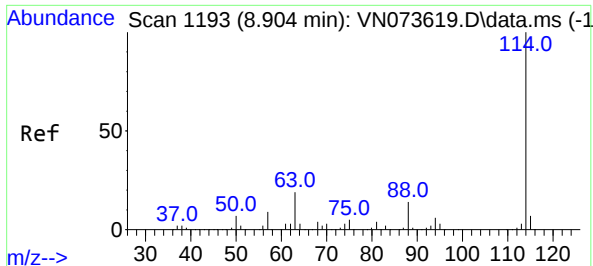
Tgt Ion: 56 Resp: 10407
Ion Ratio Lower Upper
56 100
69 155.6 27.8 41.8#
84 139.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.342 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 65 Resp: 305447
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8



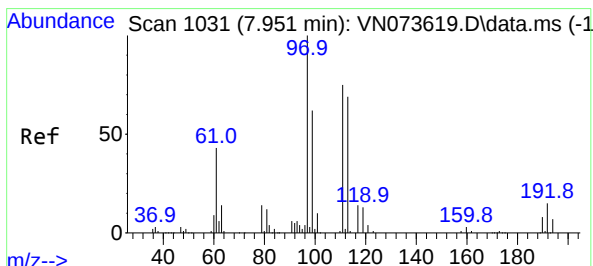
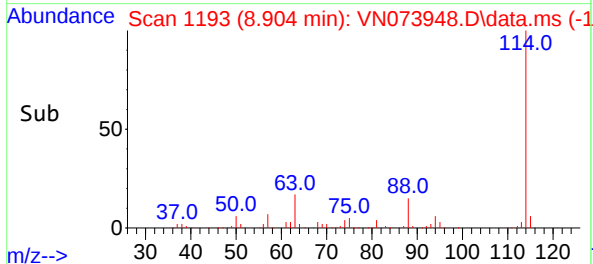
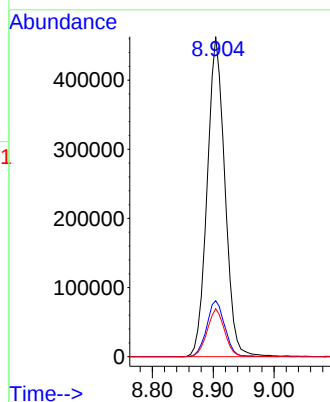
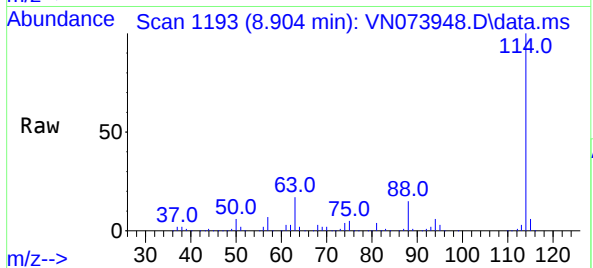


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

Tgt Ion:114 Resp: 932526

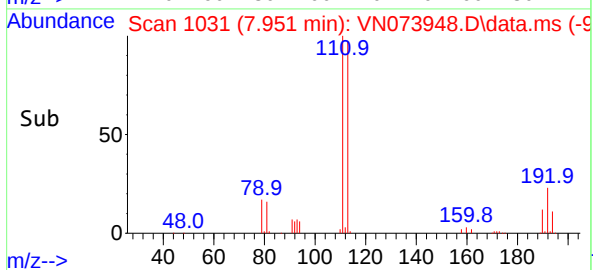
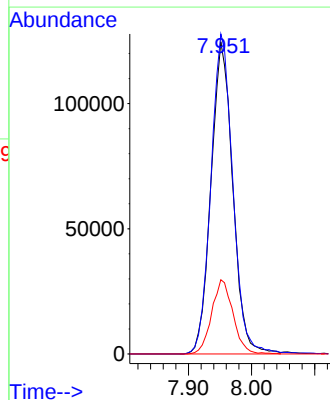
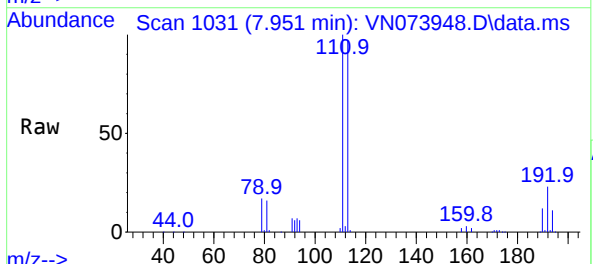
Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	40.0
88	15.0	0.0	32.6

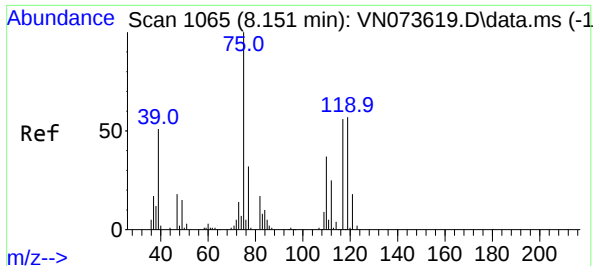


#35
Dibromofluoromethane
Concen: 54.167 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion:113 Resp: 298721

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	23.3	17.0	25.6

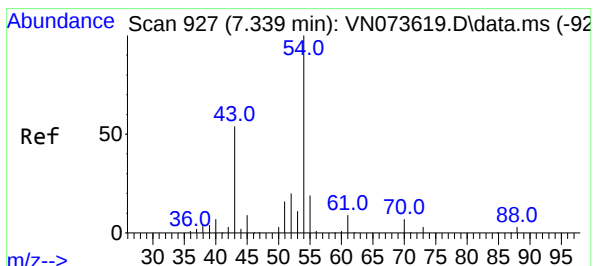
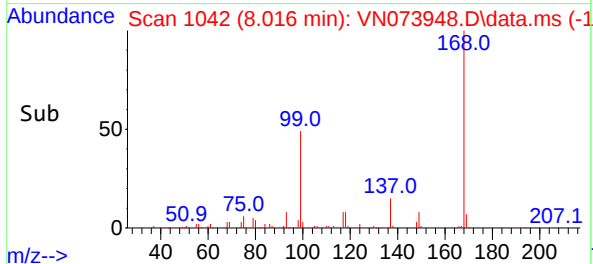
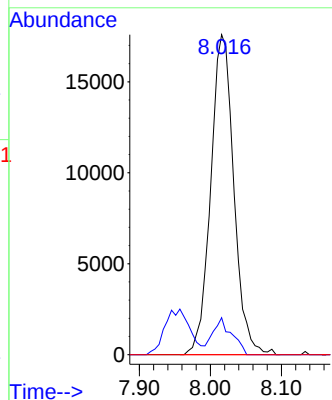
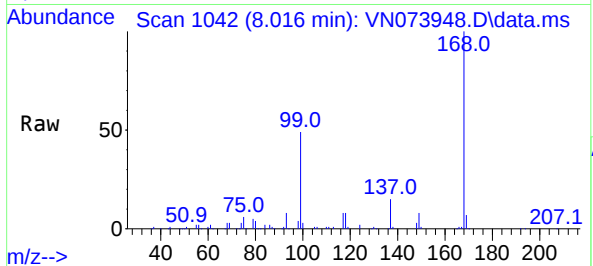




#36
1,1-Dichloropropene
Concen: 5.191 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

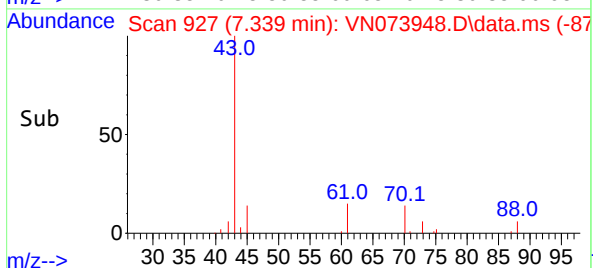
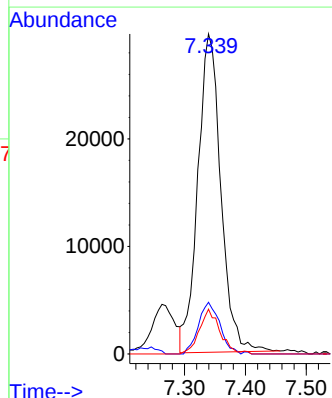
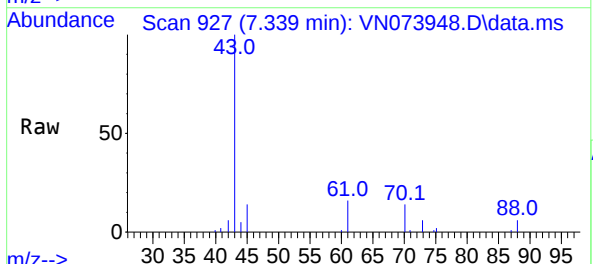
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

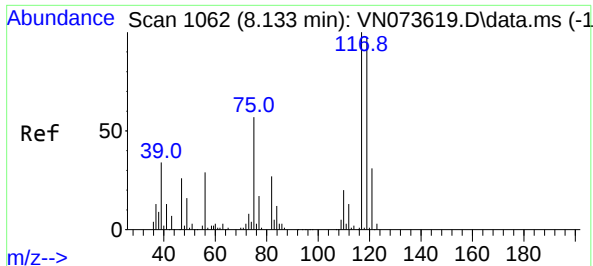
Tgt Ion: 75 Resp: 39765
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.377 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 43 Resp: 77742
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 12.7 9.3 13.9

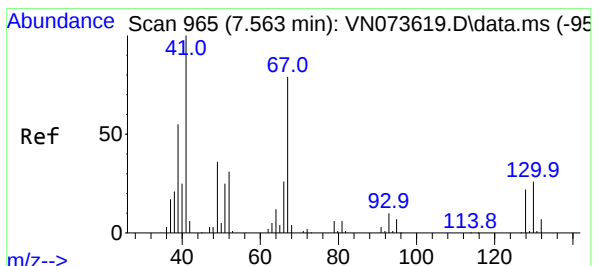
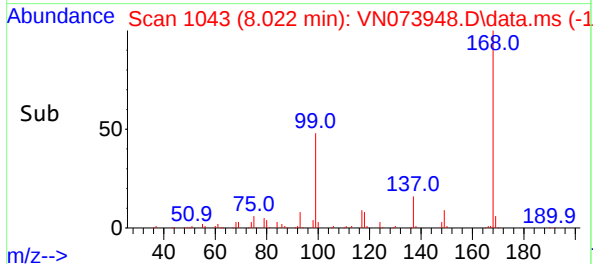
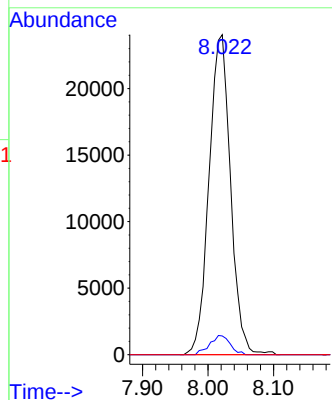
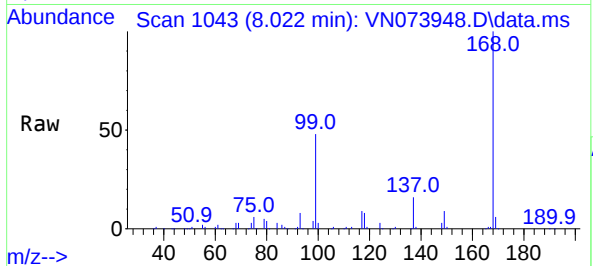




#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 8.022 min Scan# 117
Delta R.T. -0.111 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

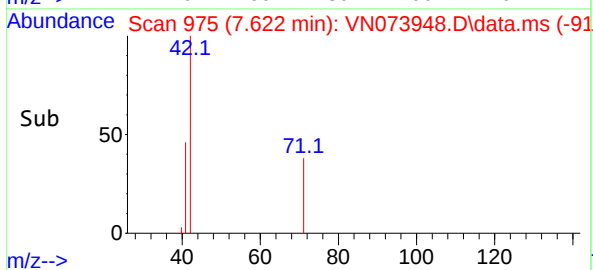
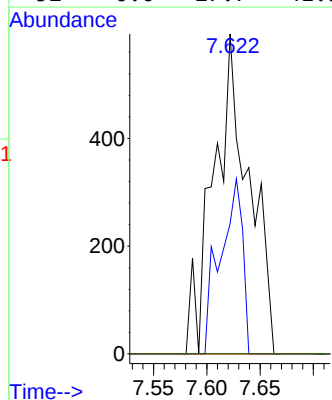
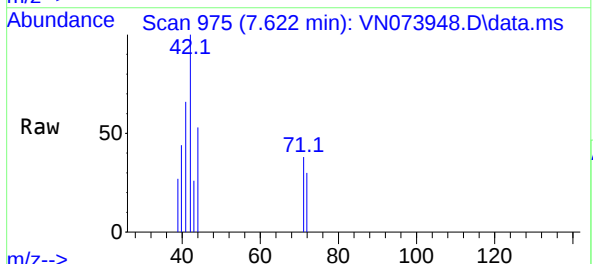
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

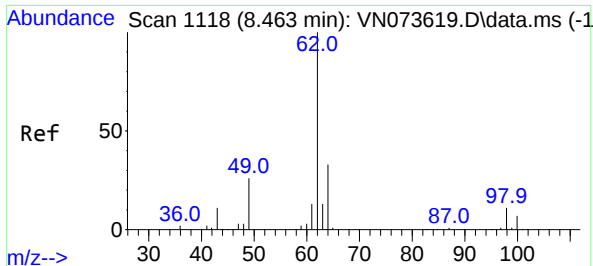
Tgt Ion:117 Resp: 54735
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.327 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 41 Resp: 1370
Ion Ratio Lower Upper
41 100
39 34.7 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.302 ug/l

RT: 8.498 min Scan# 1118

Delta R.T. 0.035 min

Lab File: VN073948.D

Acq: 16 Aug 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

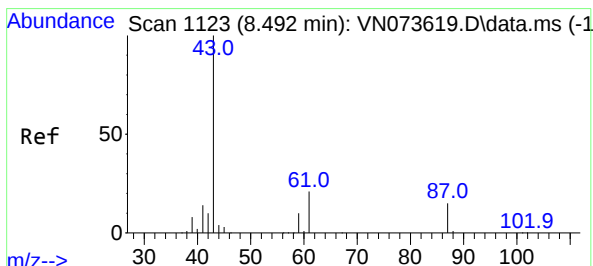
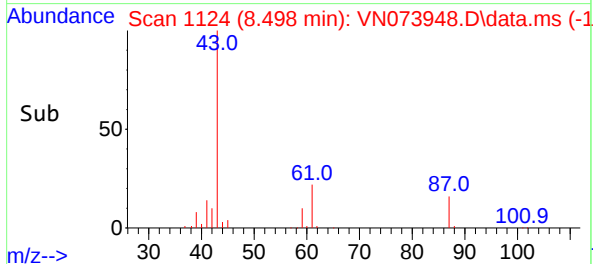
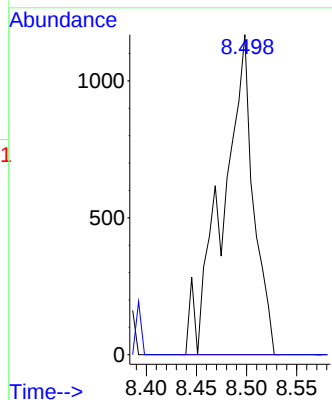
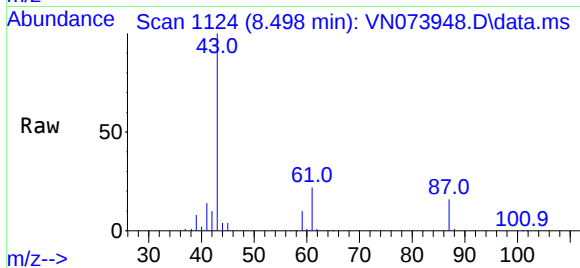
PB146976ZHE#04

Tgt Ion: 62 Resp: 2508

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 26.619 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073948.D

Acq: 16 Aug 2022 14:57

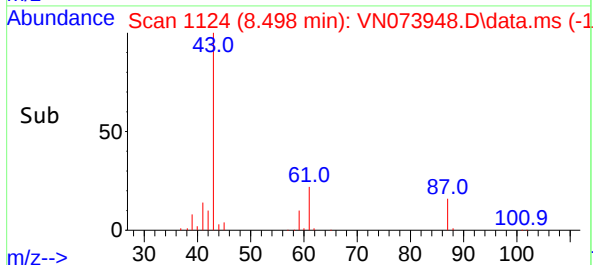
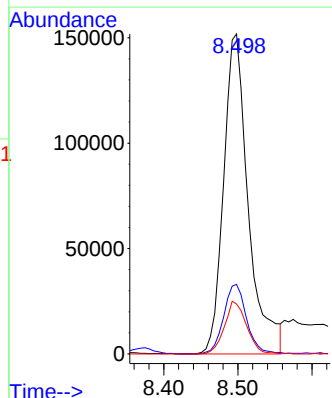
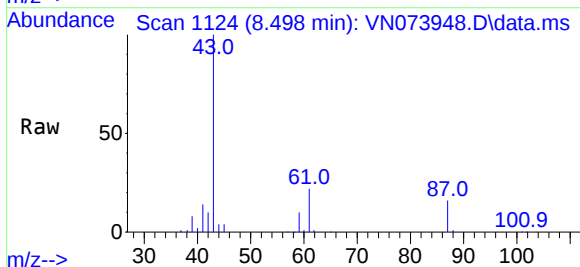
Tgt Ion: 43 Resp: 351910

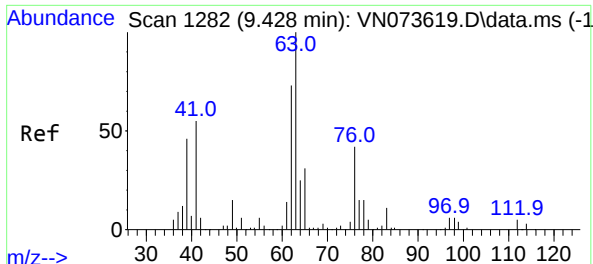
Ion Ratio Lower Upper

43 100

61 20.3 21.9 32.9#

87 14.8 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.823 ug/l

RT: 9.557 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN073948.D

Acq: 16 Aug 2022 14:57

Instrument :

MSVOA_N

ClientSampleId :

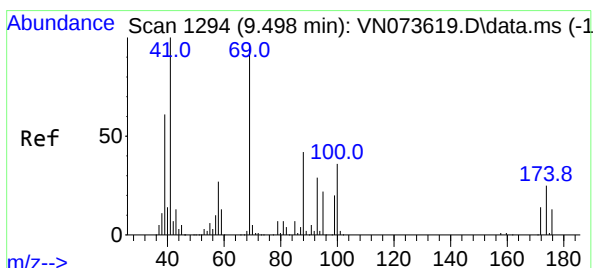
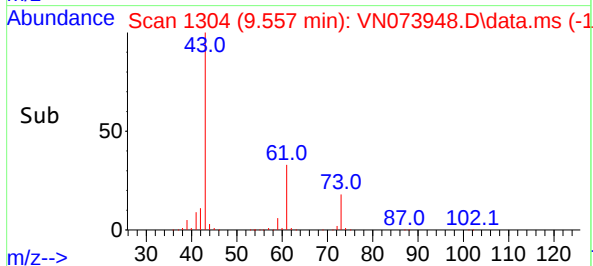
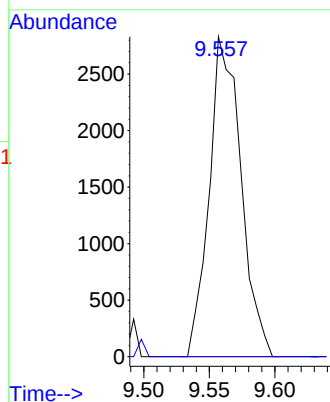
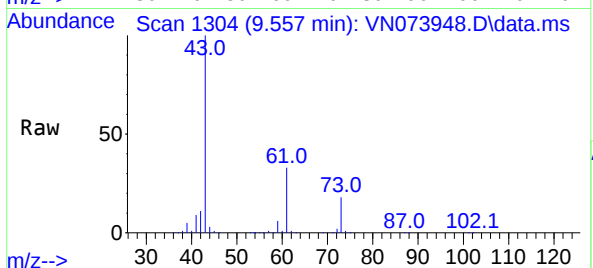
PB146976ZHE#04

Tgt Ion: 63 Resp: 4770

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.966 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073948.D

Acq: 16 Aug 2022 14:57

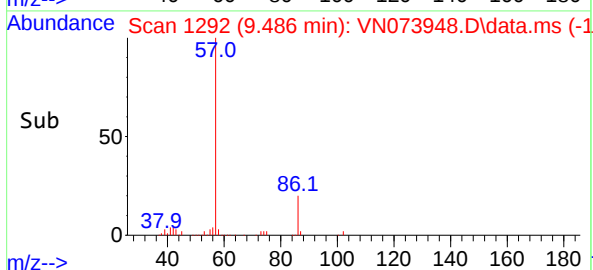
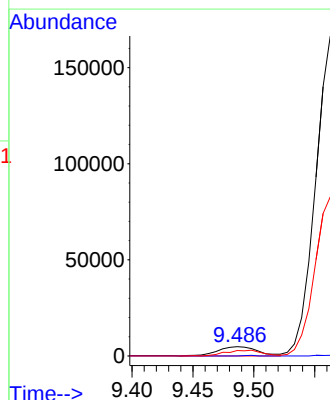
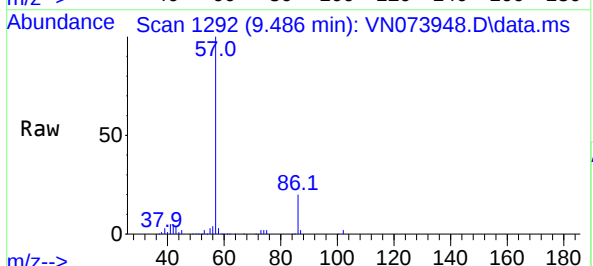
Tgt Ion: 41 Resp: 11123

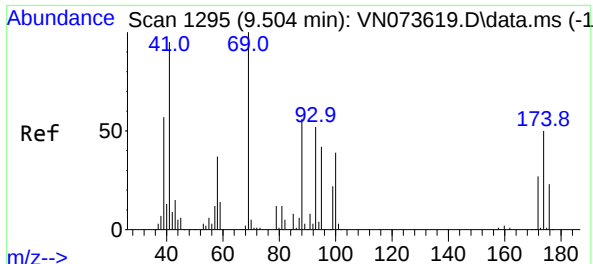
Ion Ratio Lower Upper

41 100

69 1.6 74.7 112.1#

39 55.6 45.6 68.4

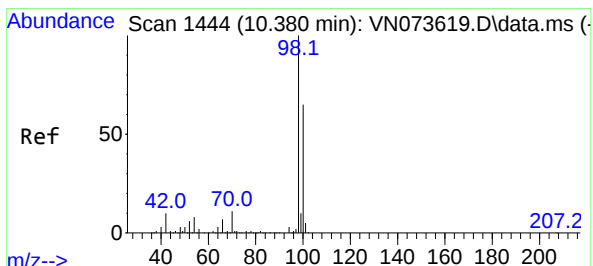
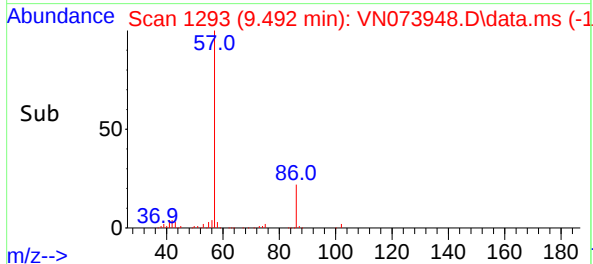
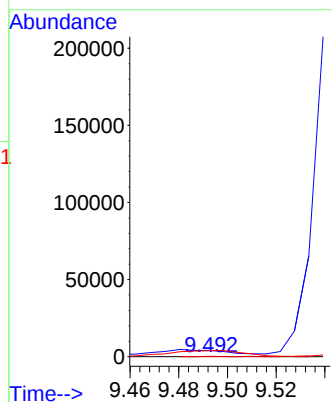
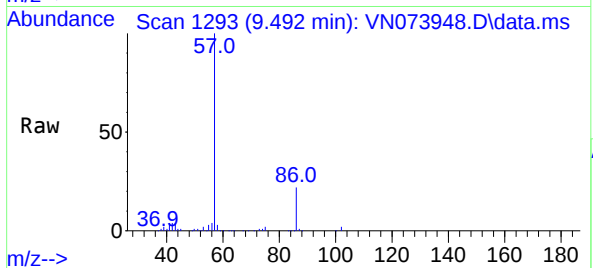




#49
1,4-Dioxane
Concen: 1.076 ug/l
RT: 9.492 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

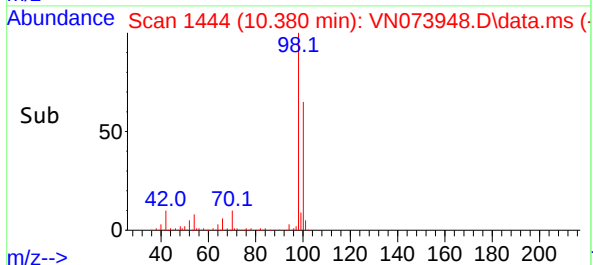
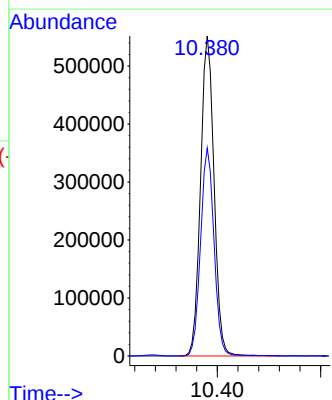
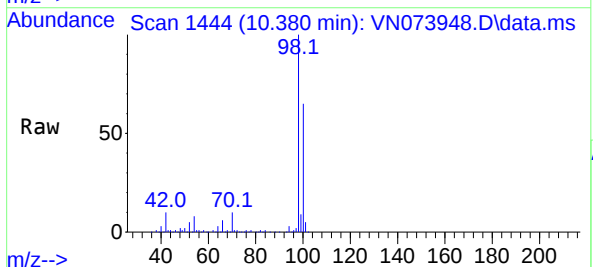
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

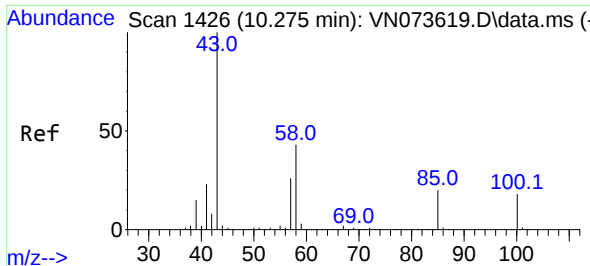
Tgt Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 4801.1 54.2 81.4#



#50
Toluene-d8
Concen: 46.786 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 98 Resp: 999290
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

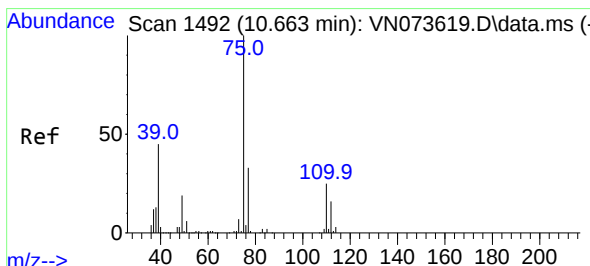
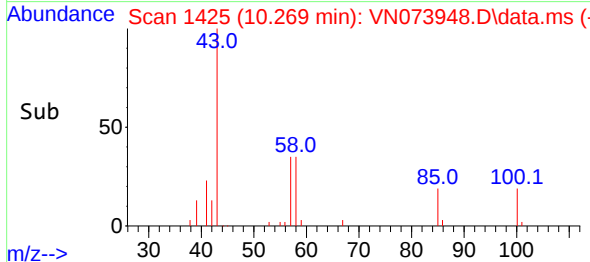
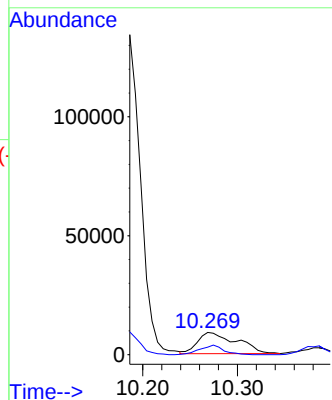
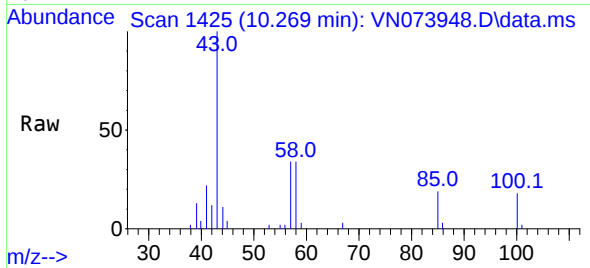




#51
4-Methyl-2-Pentanone
Concen: 2.879 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

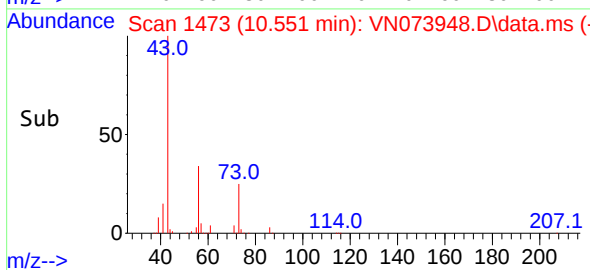
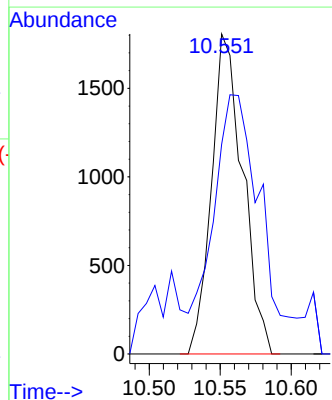
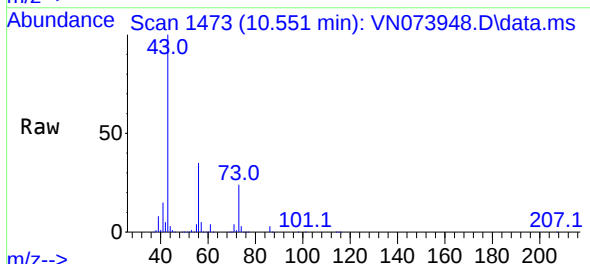
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

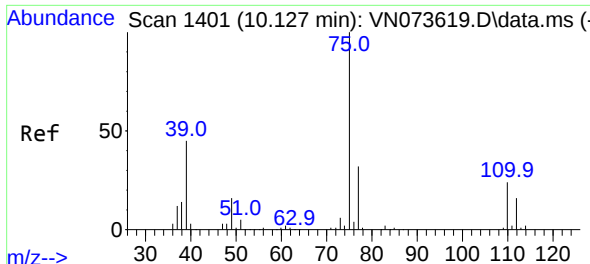
Tgt Ion: 43 Resp: 25735
Ion Ratio Lower Upper
43 100
58 26.9 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.312 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 75 Resp: 2756
Ion Ratio Lower Upper
75 100
77 53.5 25.6 38.4#

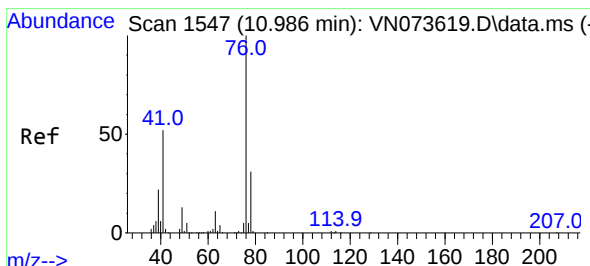
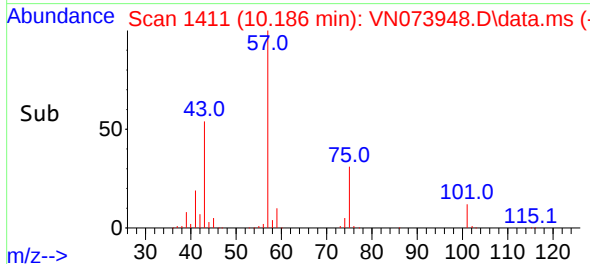
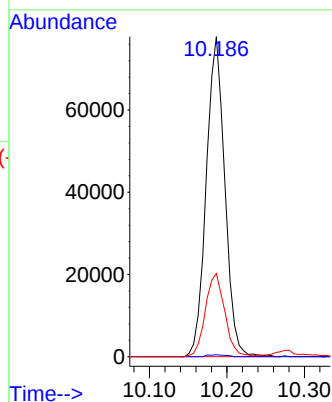
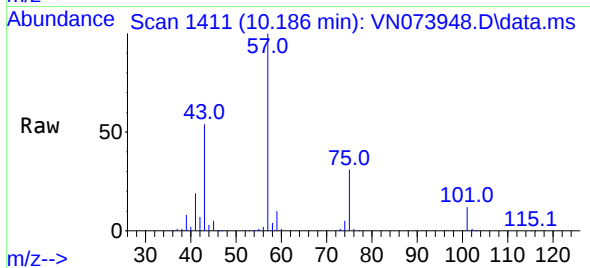




#54
 cis-1,3-Dichloropropene
 Concen: 13.377 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073948.D
 Acq: 16 Aug 2022 14:57

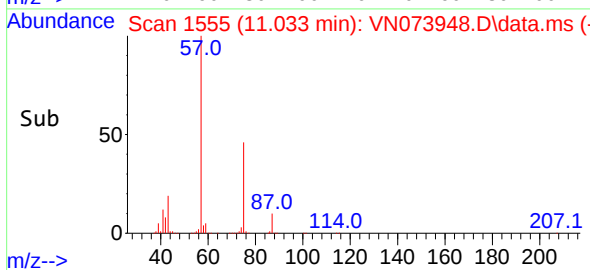
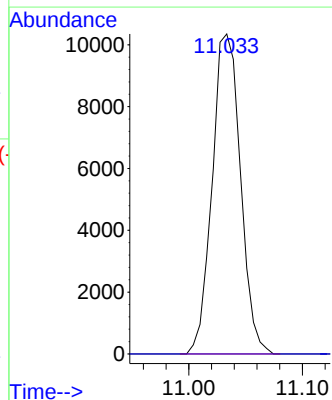
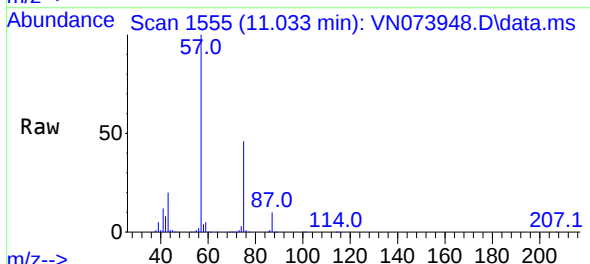
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#04

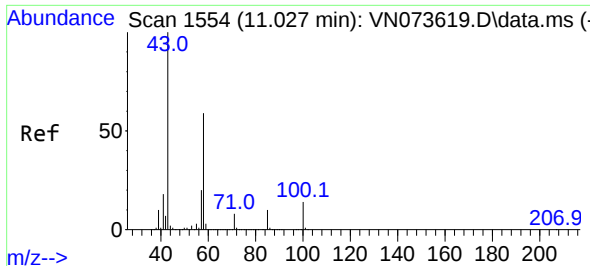
Tgt Ion: 75 Resp: 129326
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 26.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.709 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073948.D
 Acq: 16 Aug 2022 14:57

Tgt Ion: 76 Resp: 17917
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

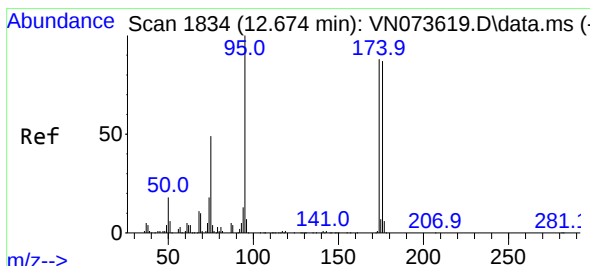
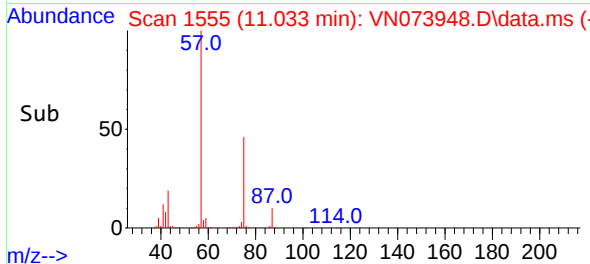
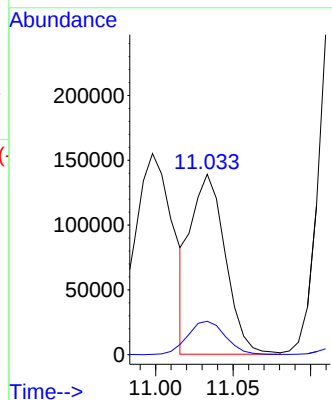
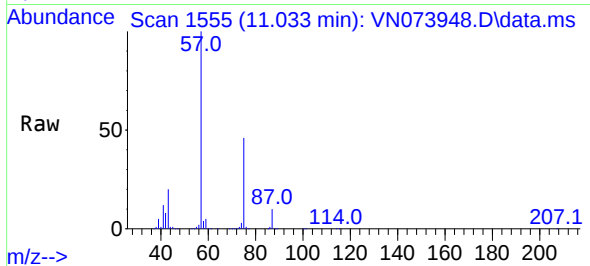




#59
2-Hexanone
Concen: 31.274 ug/l
RT: 11.033 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

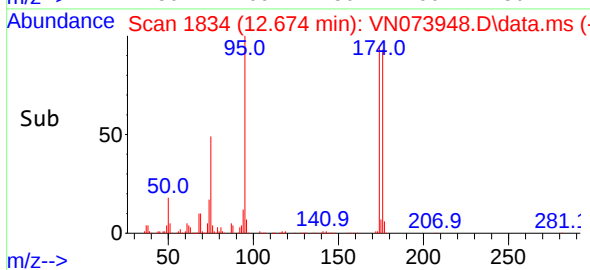
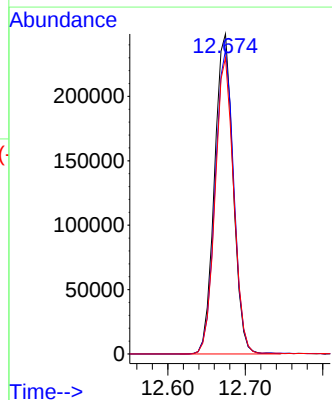
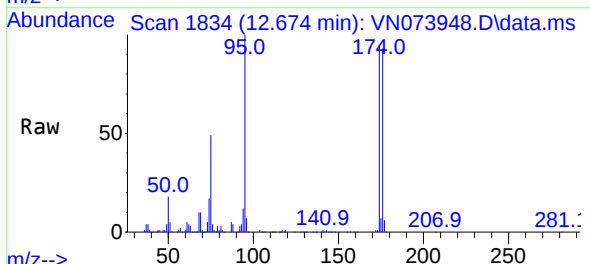
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

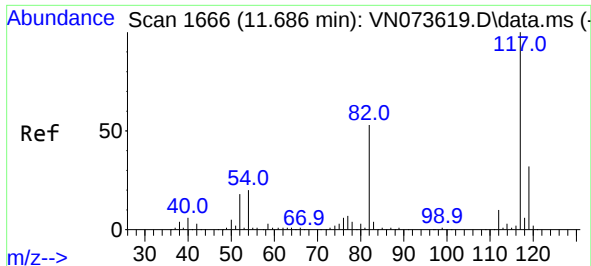
Tgt Ion: 43 Resp: 215128
Ion Ratio Lower Upper
43 100
58 20.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.486 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion: 95 Resp: 414579
Ion Ratio Lower Upper
95 100
174 95.4 0.0 167.6
176 91.8 0.0 163.4

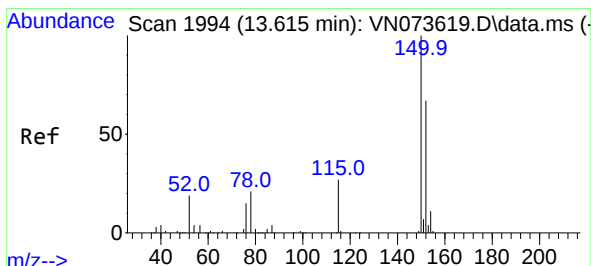
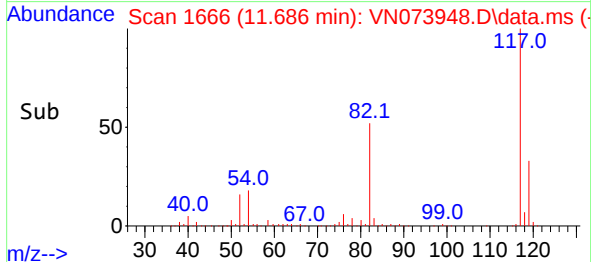
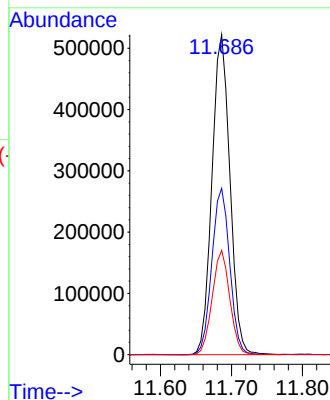
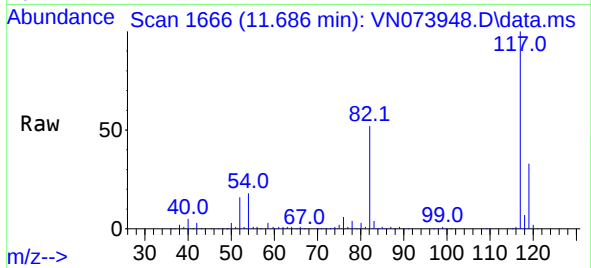




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

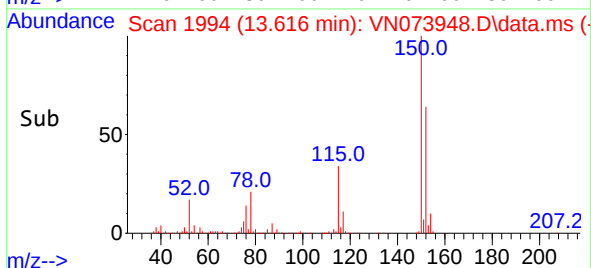
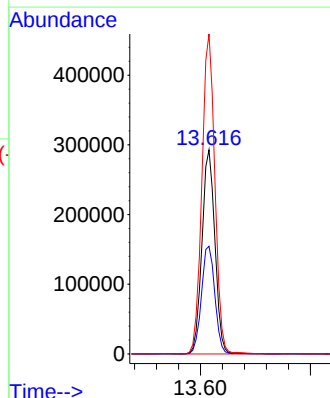
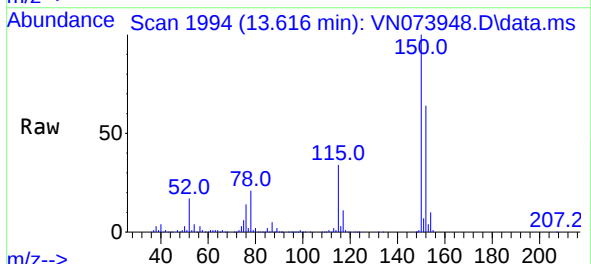
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

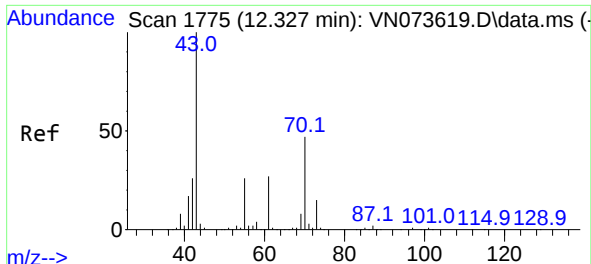
Tgt Ion:117 Resp: 917302
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

Tgt Ion:152 Resp: 480253
Ion Ratio Lower Upper
152 100
115 54.5 28.9 86.7
150 156.8 0.0 356.2

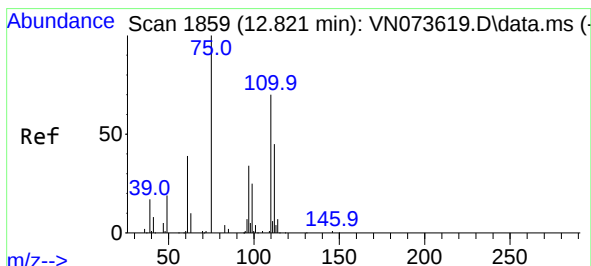
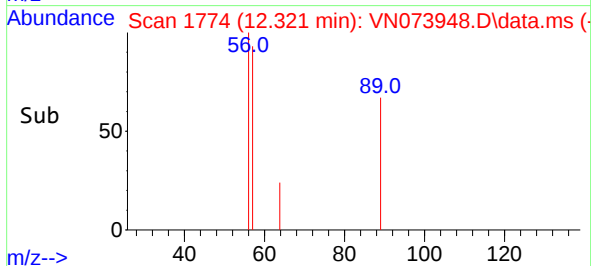
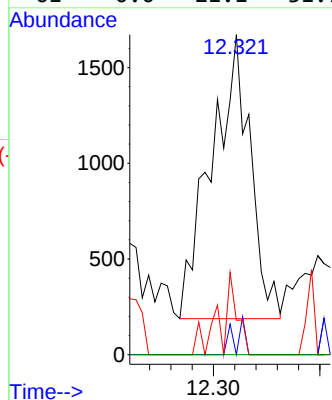
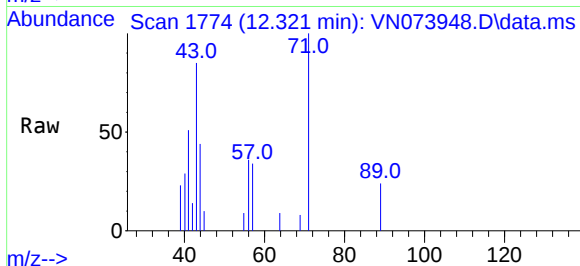




#74
N-amy1 acetate
Concen: 0.285 ug/l
RT: 12.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

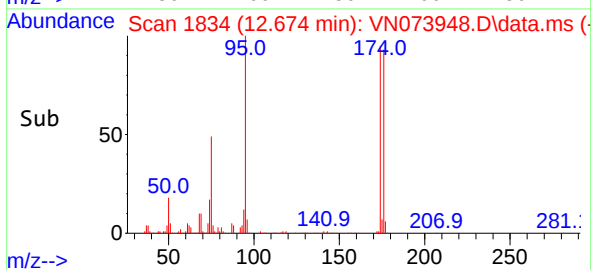
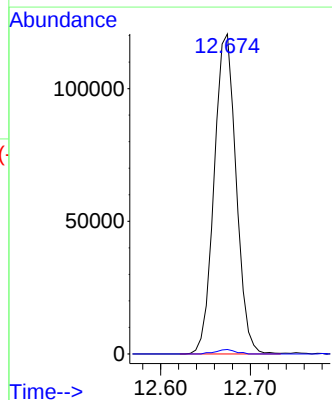
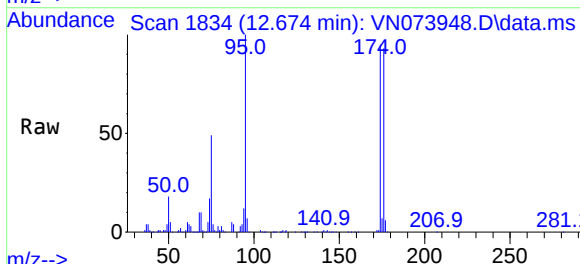
Instrument :
MSVOA_N
ClientSampleId :
PB146976ZHE#04

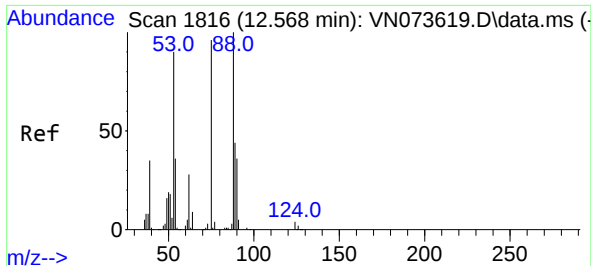
Tgt Ion: 43	Resp: 3762
Ion Ratio	Lower Upper
43 100	
70 1.5	39.0 58.4#
55 7.4	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.555 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073948.D
Acq: 16 Aug 2022 14:57

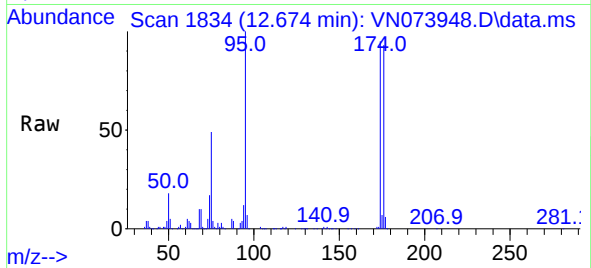
Tgt Ion: 75	Resp: 205185
Ion Ratio	Lower Upper
75 100	
77 1.3	98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.464 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073948.D
 Acq: 16 Aug 2022 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146976ZHE#04



Tgt Ion: 75 Resp: 205185
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#

