

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074185.D
 Acq On : 30 Aug 2022 23:43
 Operator : JC\MD
 Sample : PB147340ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#04

Quant Time: Aug 31 07:05:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

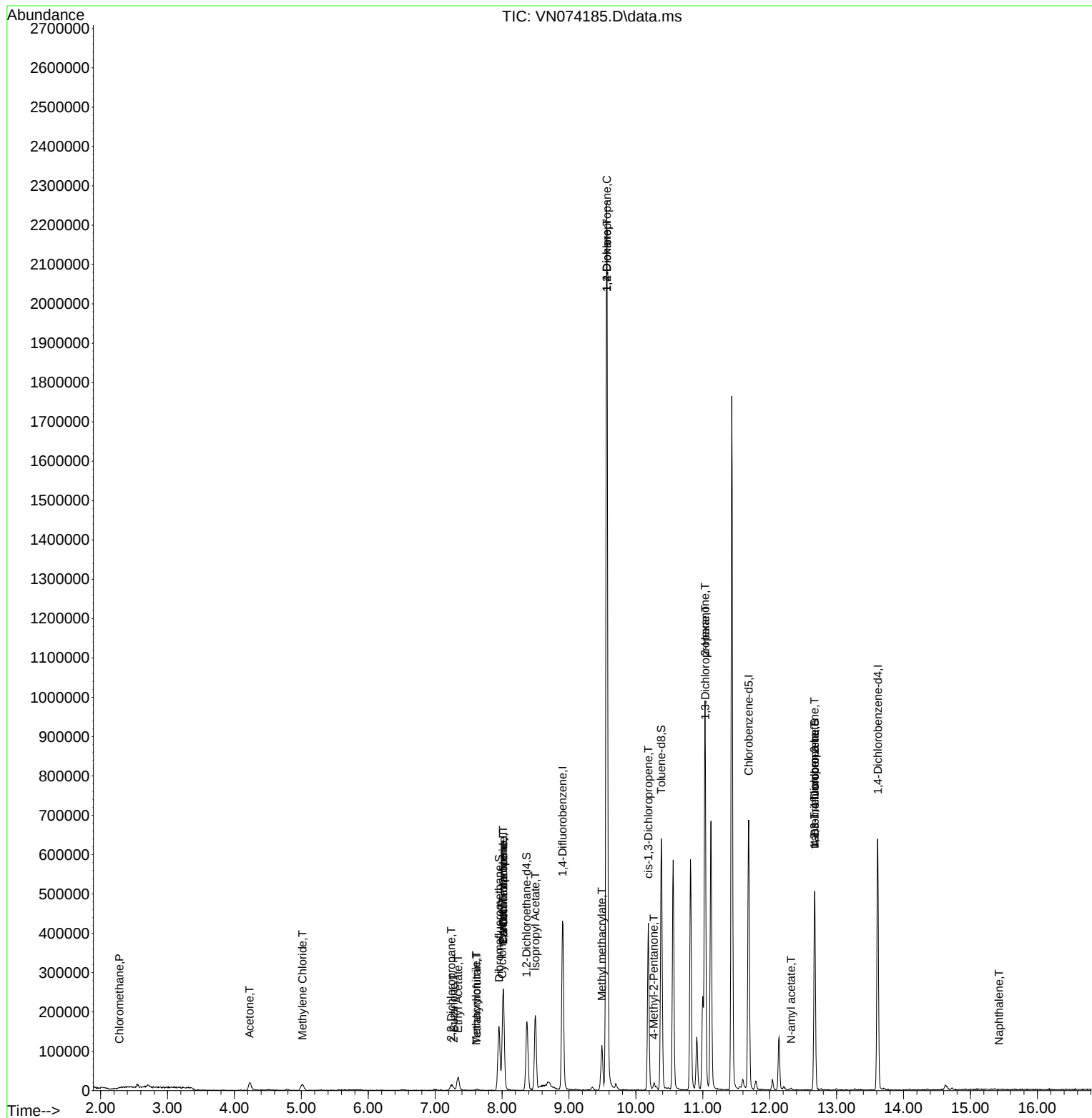
Internal Standards						
1) Pentafluorobenzene	8.016	168	182717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	354108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	368374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	158417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	138251	48.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.560%		
35) Dibromofluoromethane	7.957	113	112881	48.988	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.980%		
50) Toluene-d8	10.380	98	407425	44.898	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.800%		
62) 4-Bromofluorobenzene	12.674	95	155043	56.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.360%		
Target Compounds					Qvalue	
3) Chloromethane	2.281	50	732	0.275	ug/l #	43
6) Chloroethane	2.934	64	3040	Below Cal	#	43
11) Tert butyl alcohol	5.298	59	635	Below Cal	#	72
16) Acetone	4.228	43	36553	19.300	ug/l #	88
18) Methyl Acetate	4.781	43	5697	Below Cal	#	67
20) Methylene Chloride	5.016	84	10587	2.054	ug/l #	92
25) 2-Butanone	7.275	43	10263	3.387	ug/l	97
26) 2,2-Dichloropropane	7.239	77	638	0.473	ug/l #	53
28) Bromochloromethane	7.334	49	60	Below Cal	#	8
29) Tetrahydrofuran	7.622	42	2433	1.261	ug/l #	55
31) Cyclohexane	8.004	56	4870	1.040	ug/l #	70
36) 1,1-Dichloropropene	8.016	75	18061	4.831	ug/l #	46
37) Ethyl Acetate	7.345	43	57133	9.138	ug/l #	95
38) Carbon Tetrachloride	8.016	117	18382	5.416	ug/l #	19
41) Methacrylonitrile	7.616	41	1710	0.592	ug/l #	26
43) Isopropyl Acetate	8.498	43	218788	26.029	ug/l #	85
45) 1,2-Dichloropropane	9.569	63	3059	0.965	ug/l #	44
48) Methyl methacrylate	9.492	41	7732	1.937	ug/l #	34
49) 1,4-Dioxane	9.569	88	351	4.075	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	10290	1.687	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	65592	14.896	ug/l #	71
57) 1,3-Dichloropropane	11.039	76	9434	1.814	ug/l #	42
59) 2-Hexanone	11.033	43	145628	31.457	ug/l #	46
74) N-amyl acetate	12.321	43	1808	0.236	ug/l #	46
76) 1,2,3-Trichloropropane	12.669	75	91388	23.056	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	91388	59.879	ug/l #	11
95) Naphthalene	15.427	128	838	1.219	ug/l #	69

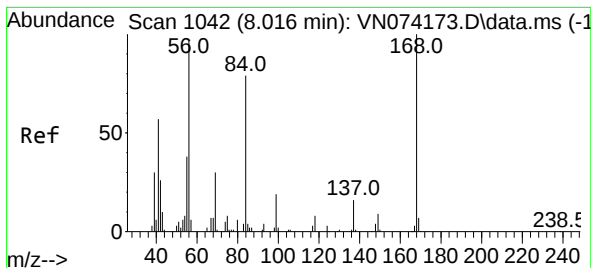
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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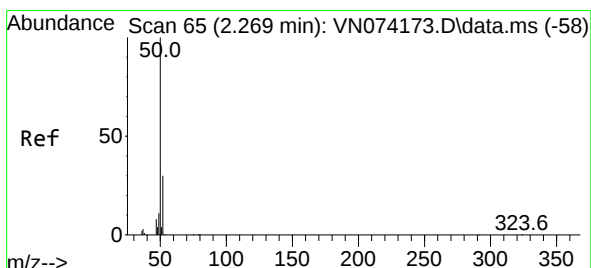
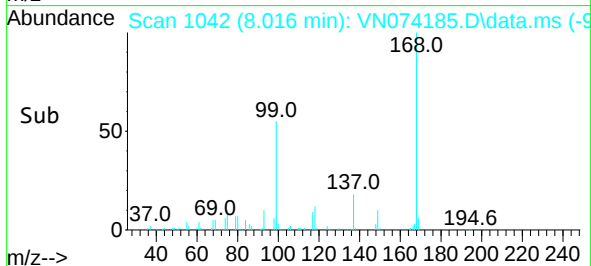
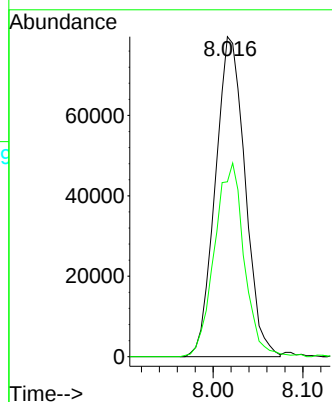
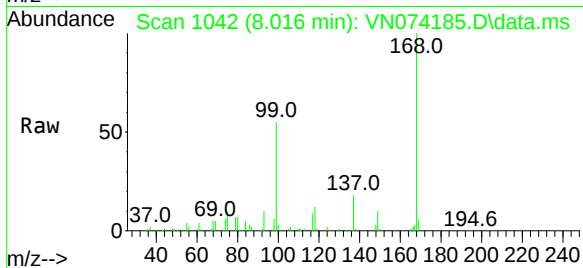




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

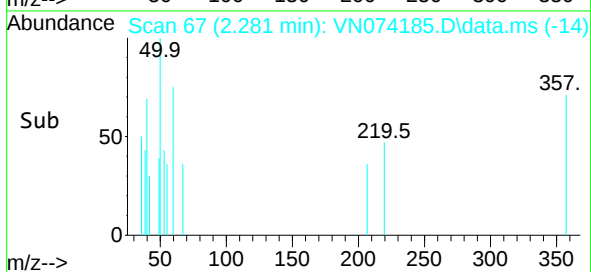
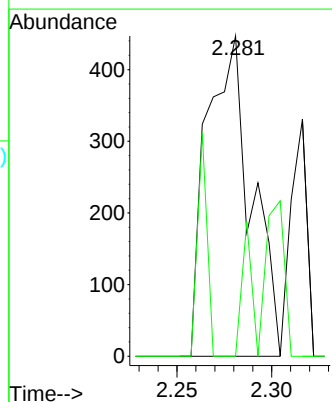
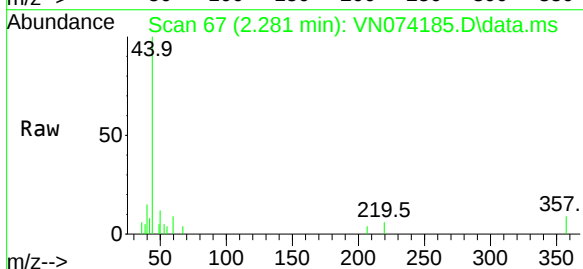
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

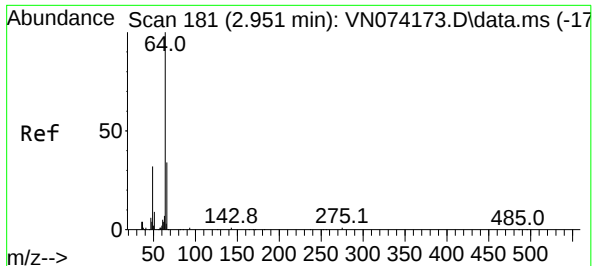
Tgt Ion:168 Resp: 182717
Ion Ratio Lower Upper
168 100
99 54.6 42.3 63.5



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.281 min Scan# 67
Delta R.T. 0.012 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 50 Resp: 732
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

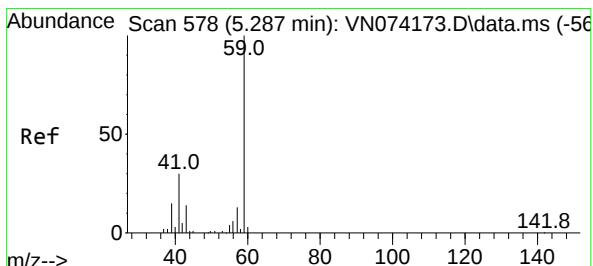
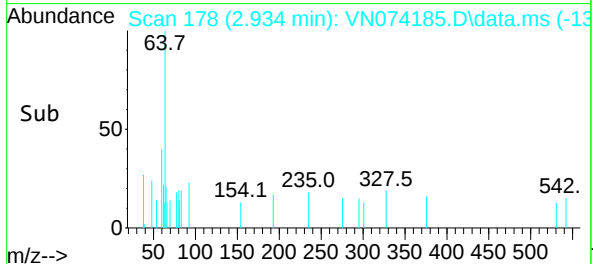
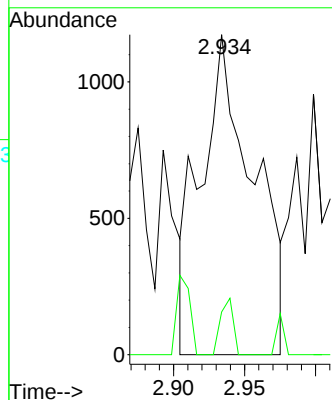
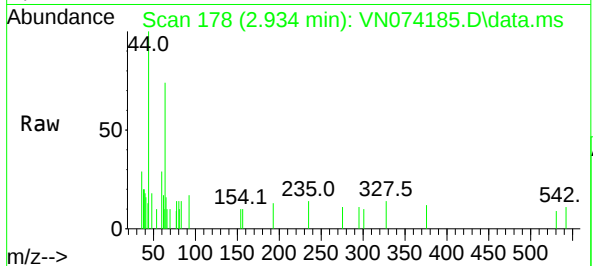




#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

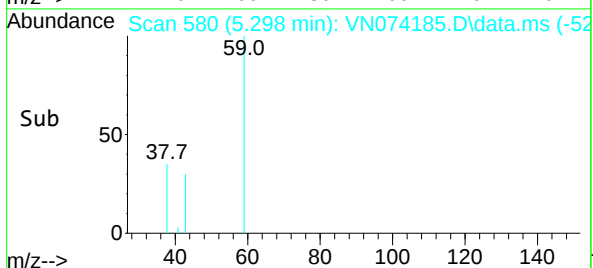
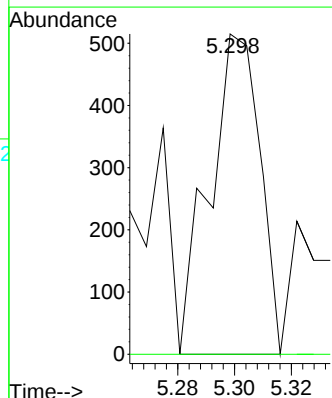
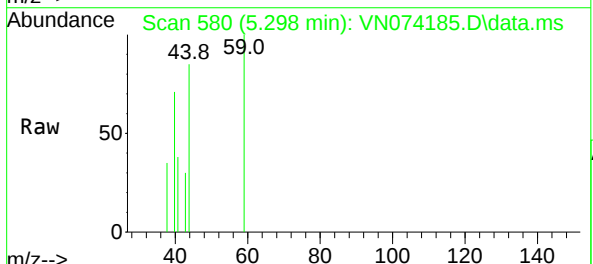
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

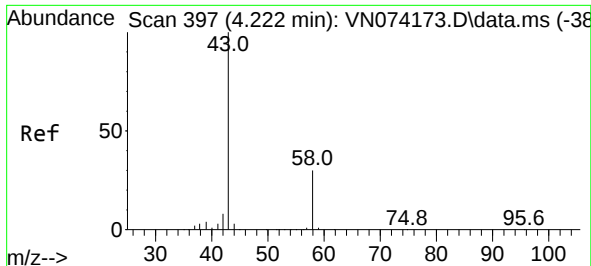
Tgt Ion: 64 Resp: 3040
Ion Ratio Lower Upper
64 100
66 0.8 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.298 min Scan# 580
Delta R.T. 0.011 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

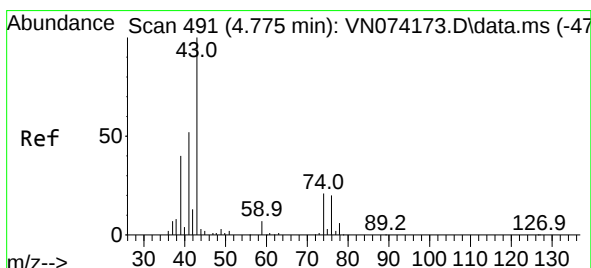
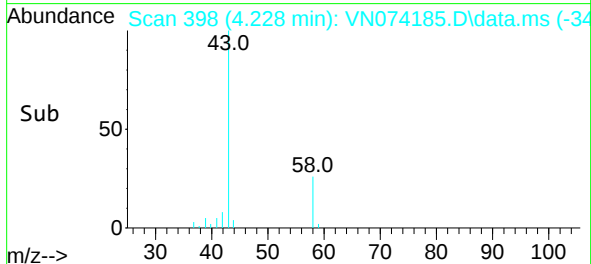
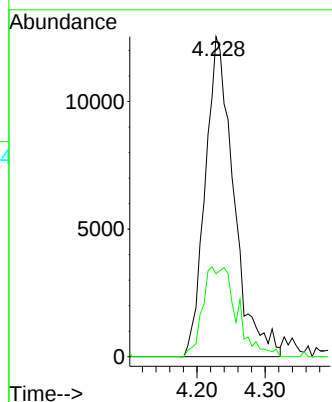
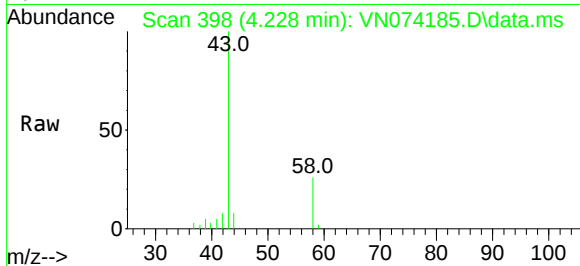




#16
Acetone
Concen: 19.300 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

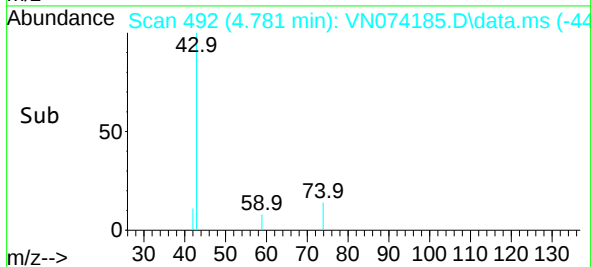
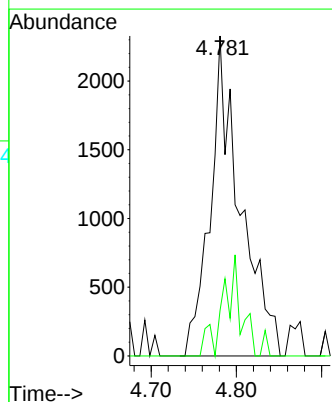
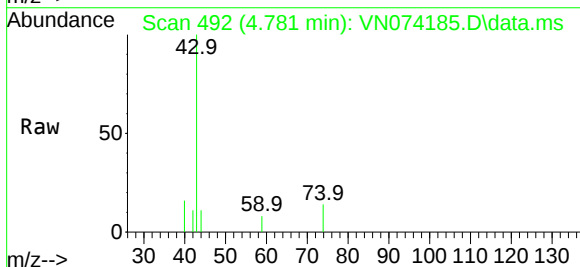
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

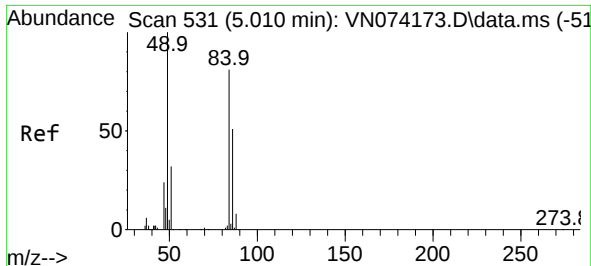
Tgt Ion: 43 Resp: 36553
Ion Ratio Lower Upper
43 100
58 26.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

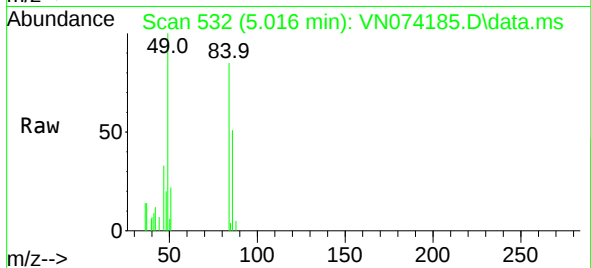
Tgt Ion: 43 Resp: 5697
Ion Ratio Lower Upper
43 100
74 9.9 21.6 32.4#



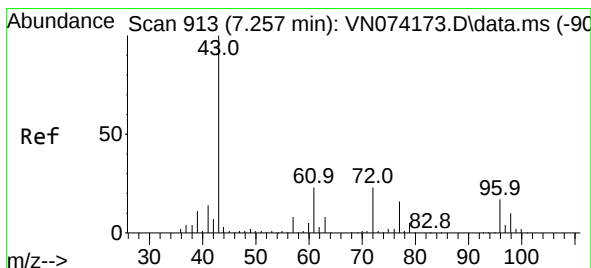
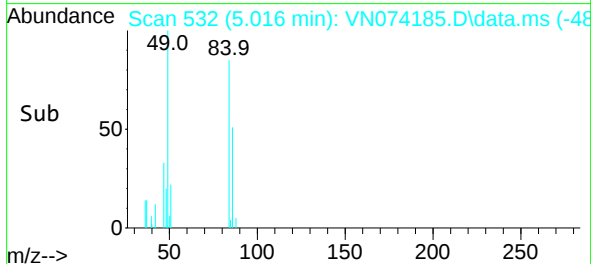
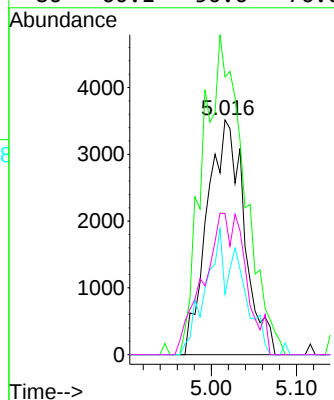


#20
Methylene Chloride
Concen: 2.054 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

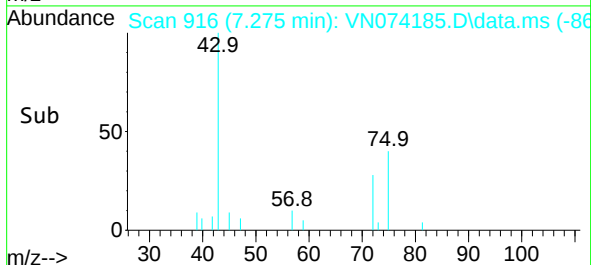
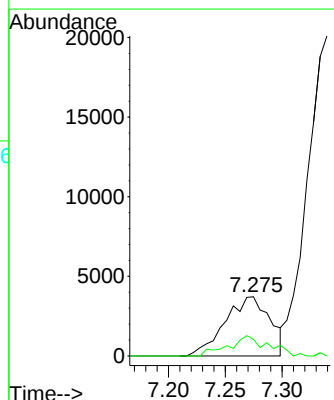
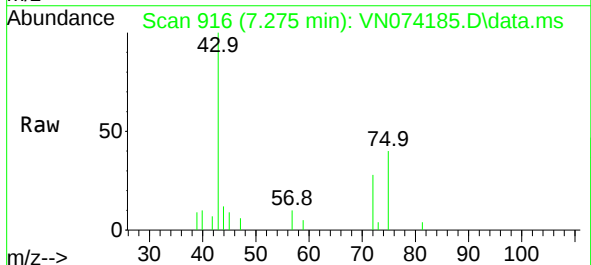


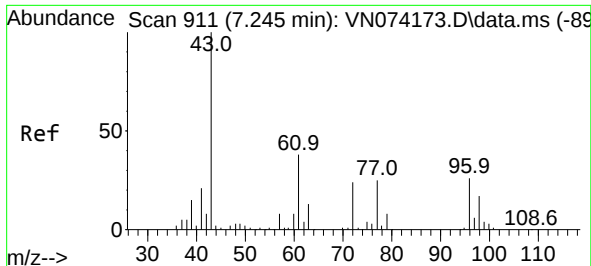
Tgt Ion: 84 Resp: 10587
Ion Ratio Lower Upper
84 100
49 118.3 88.3 132.5
51 25.8 28.2 42.2#
86 60.1 50.6 76.0



#25
2-Butanone
Concen: 3.387 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 43 Resp: 10263
Ion Ratio Lower Upper
43 100
72 28.1 23.7 35.5

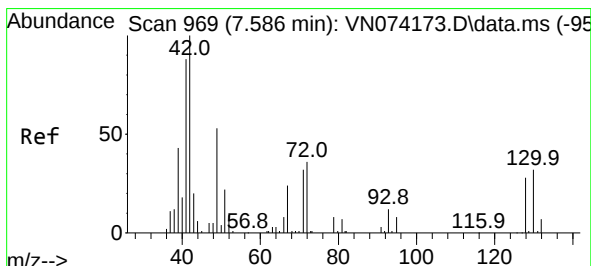
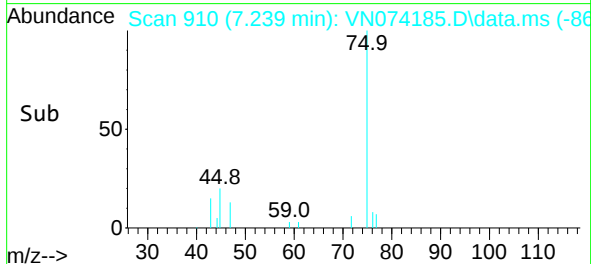
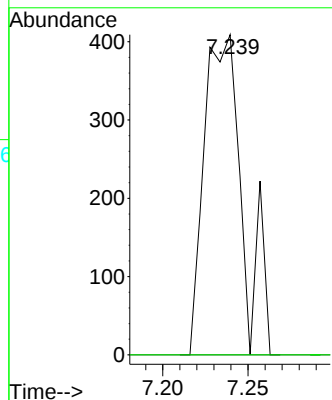
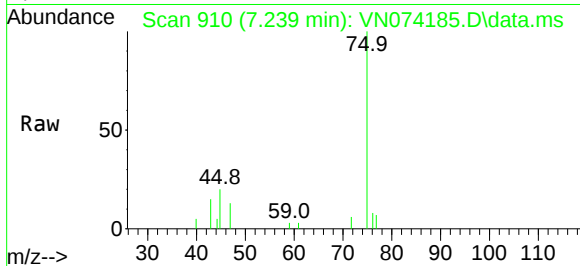




#26
2,2-Dichloropropane
Concen: 0.473 ug/l
RT: 7.239 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

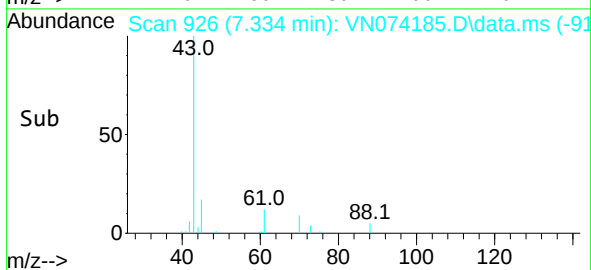
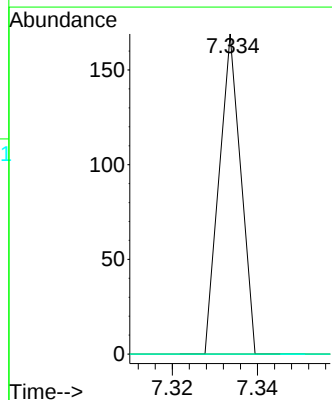
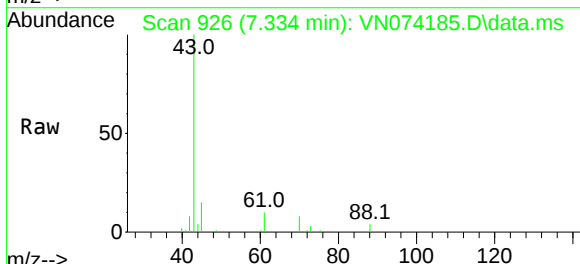
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

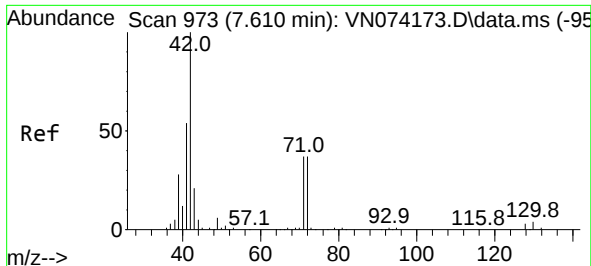
Tgt Ion: 77 Resp: 638
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.334 min Scan# 926
Delta R.T. -0.252 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 49 Resp: 60
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#





#29

Tetrahydrofuran

Concen: 1.261 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#04

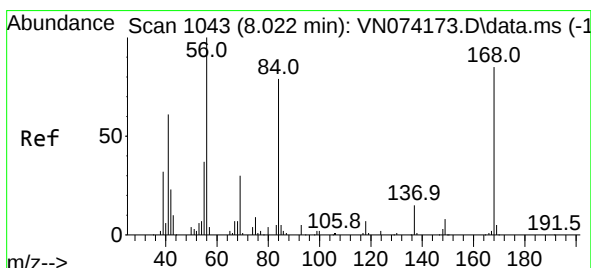
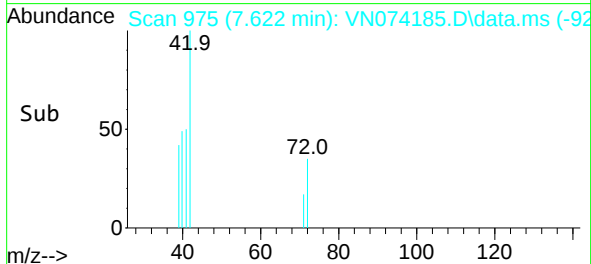
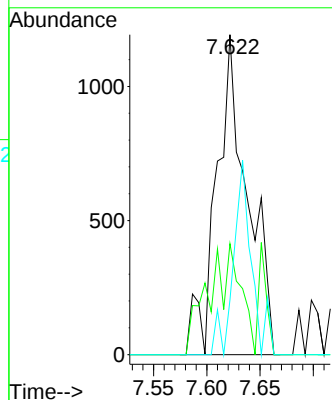
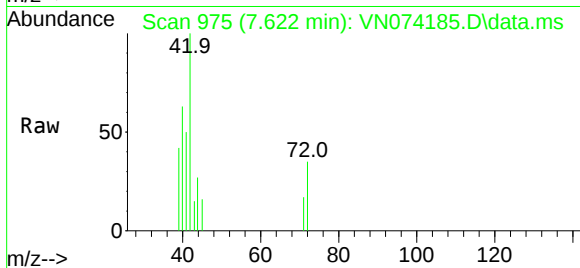
Tgt Ion: 42 Resp: 2433

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 35.4 36.6 55.0#



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.018 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

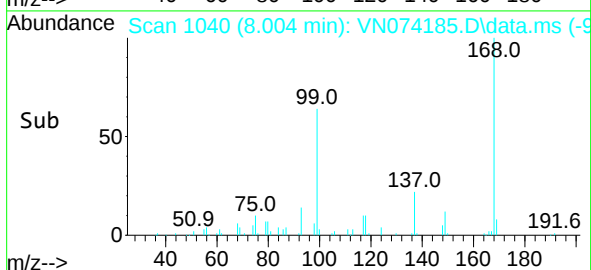
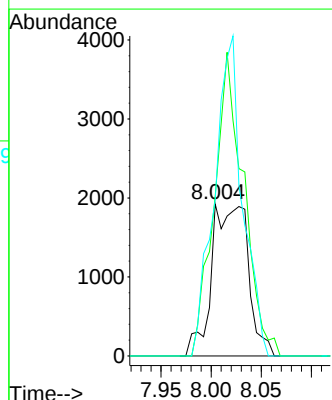
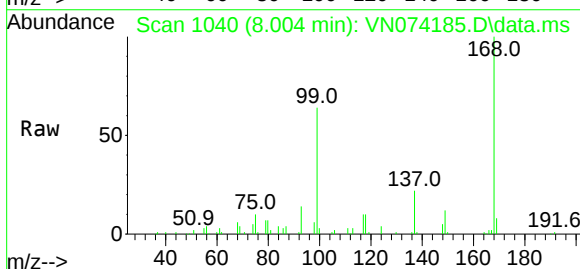
Tgt Ion: 56 Resp: 4870

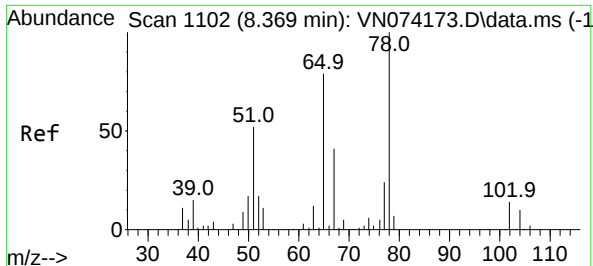
Ion Ratio Lower Upper

56 100

69 97.6 27.8 41.8#

84 95.1 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 48.776 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

Instrument :

MSVOA_N

ClientSampleId :

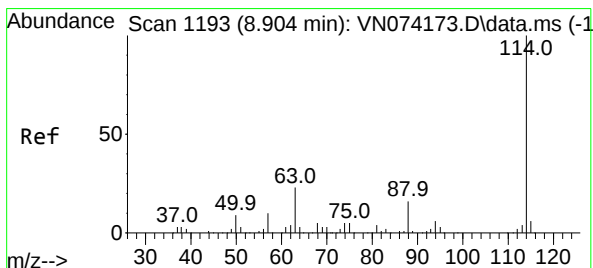
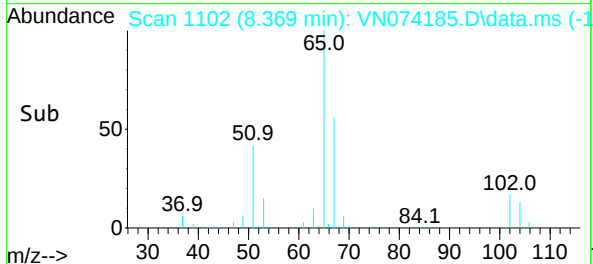
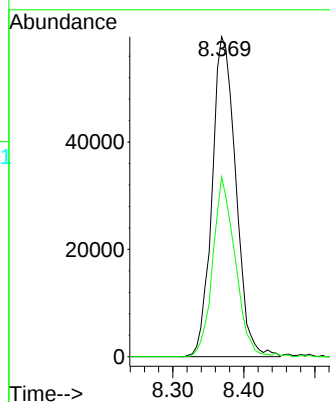
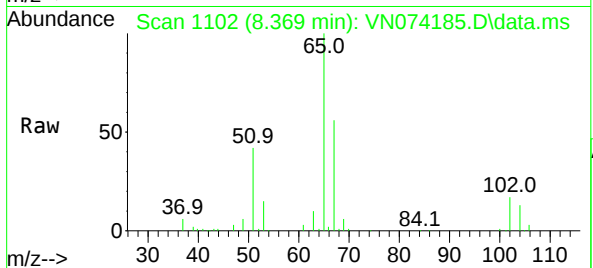
PB147340ZHE#04

Tgt Ion: 65 Resp: 138251

Ion Ratio Lower Upper

65 100

67 52.9 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: VN074185.D

Acq: 30 Aug 2022 23:43

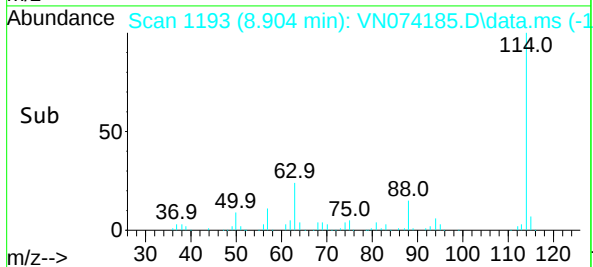
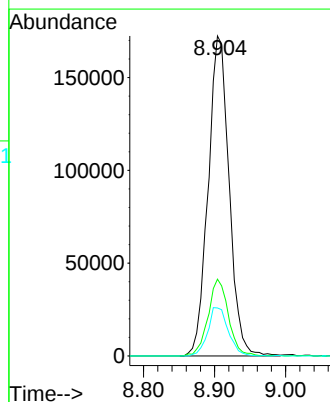
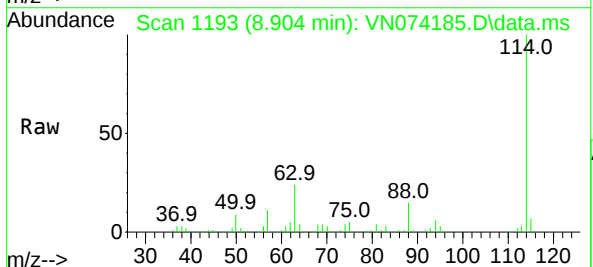
Tgt Ion: 114 Resp: 354108

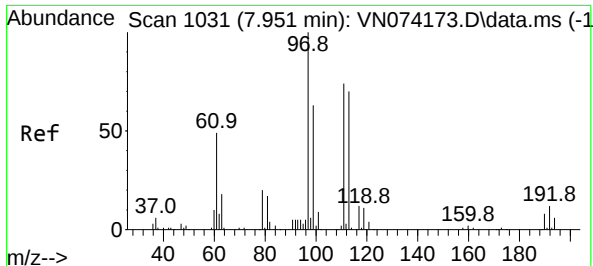
Ion Ratio Lower Upper

114 100

63 24.0 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.988 ug/l

RT: 7.957 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#04

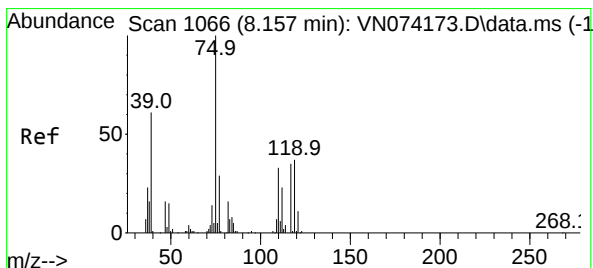
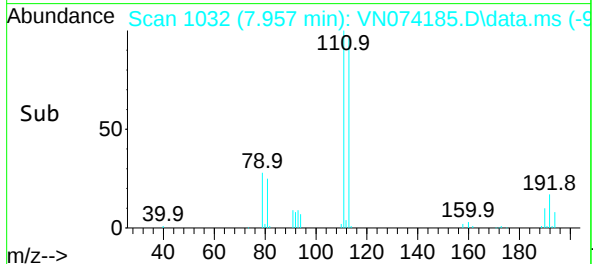
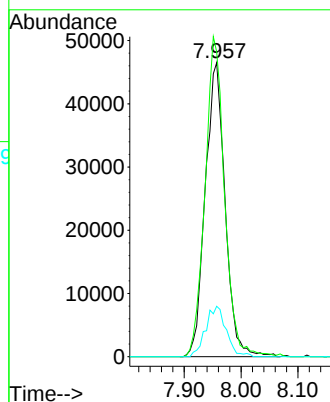
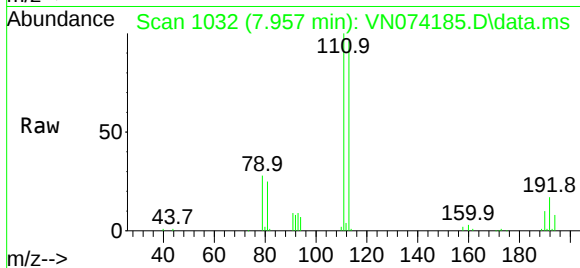
Tgt Ion:113 Resp: 112881

Ion Ratio Lower Upper

113 100

111 107.2 81.4 122.0

192 17.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

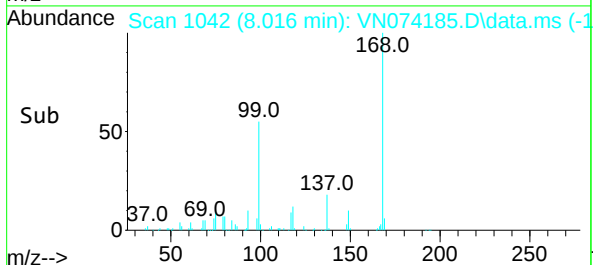
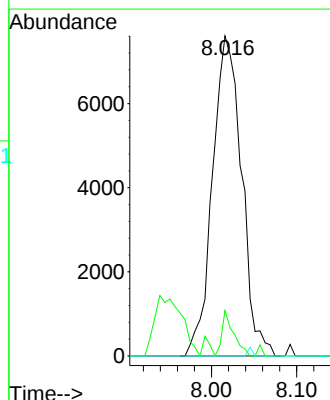
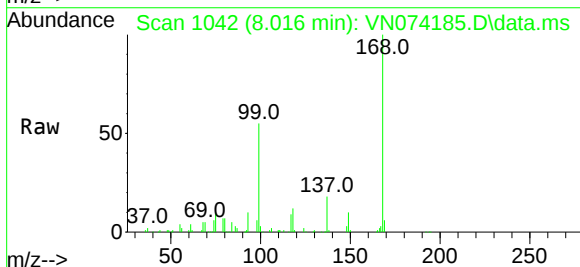
Tgt Ion: 75 Resp: 18061

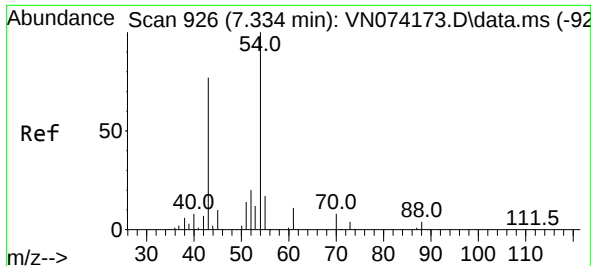
Ion Ratio Lower Upper

75 100

110 5.7 18.3 54.8#

77 0.0 25.1 37.7#

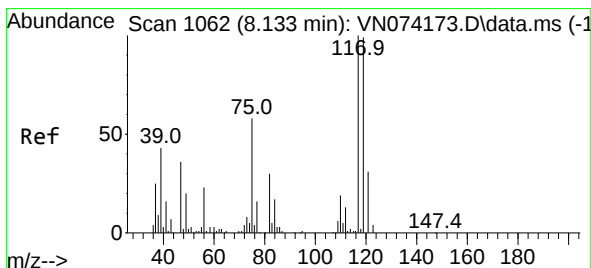
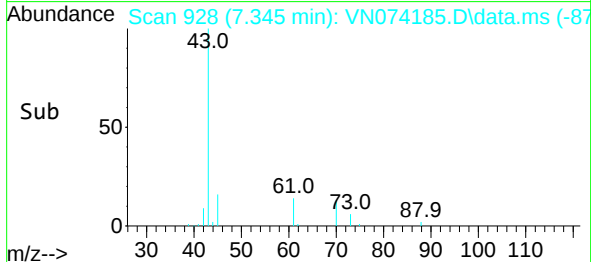
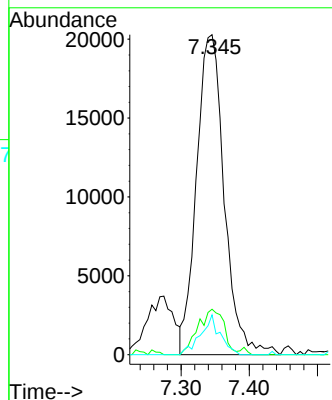
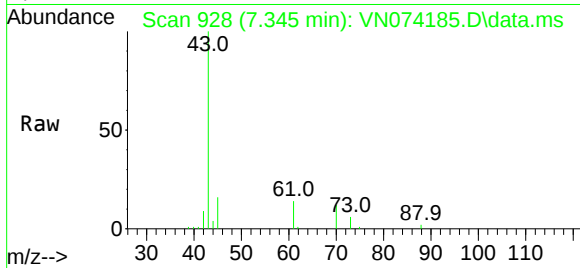




#37
Ethyl Acetate
Concen: 9.138 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

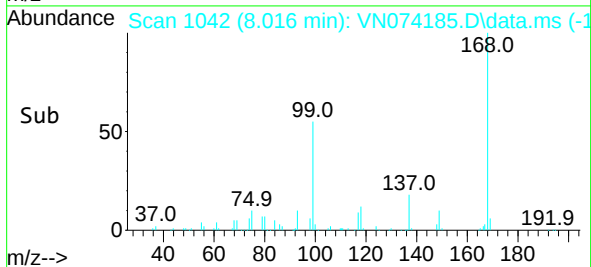
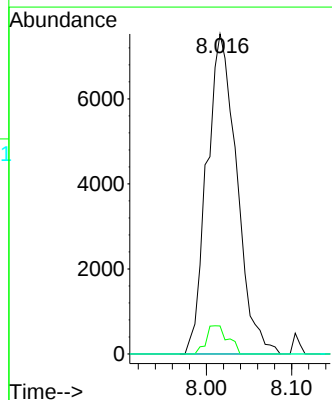
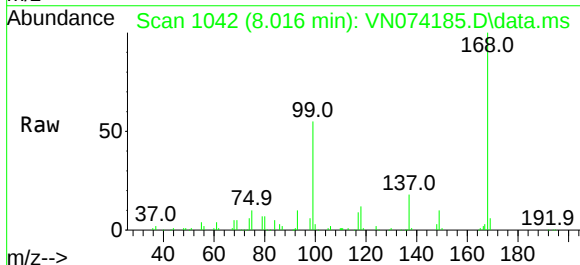
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

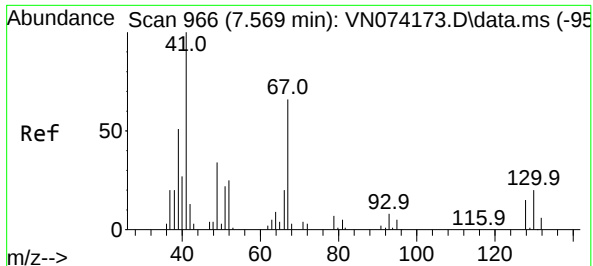
Tgt Ion: 43 Resp: 57133
Ion Ratio Lower Upper
43 100
61 13.3 11.8 17.6
70 8.7 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.416 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 117 Resp: 18382
Ion Ratio Lower Upper
117 100
119 8.8 75.8 113.8#
121 0.0 24.6 37.0#

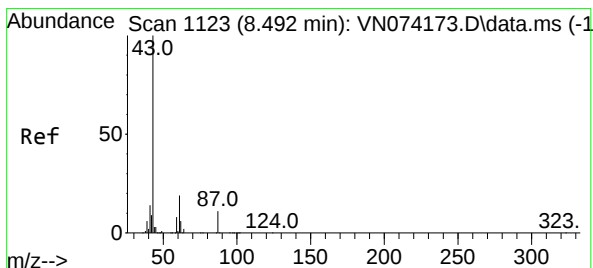
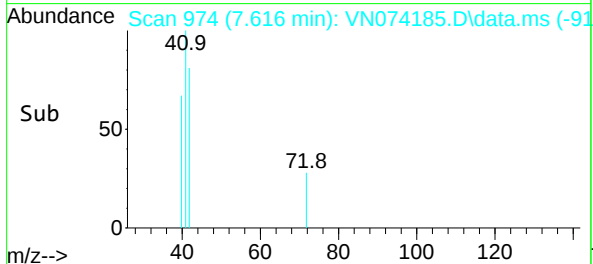
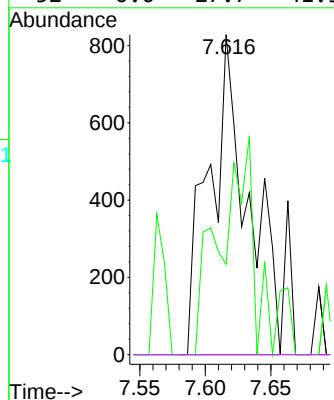
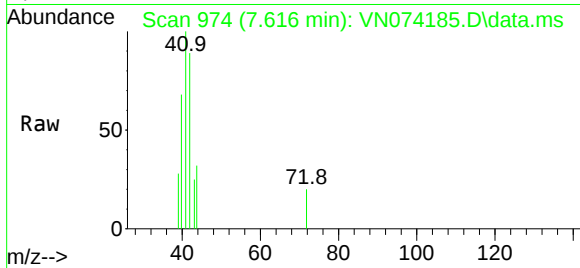




#41
Methacrylonitrile
Concen: 0.592 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.047 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

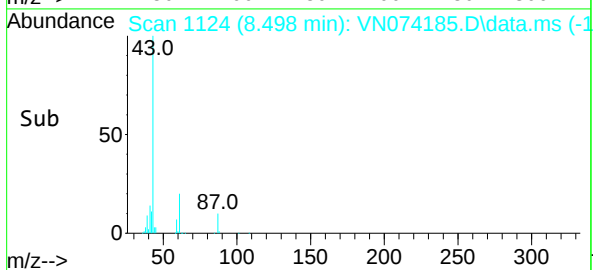
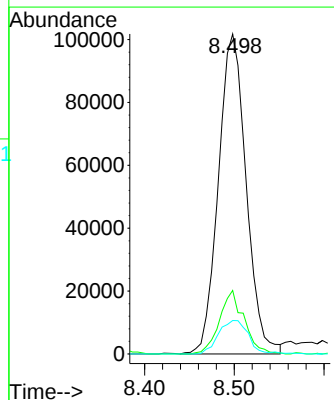
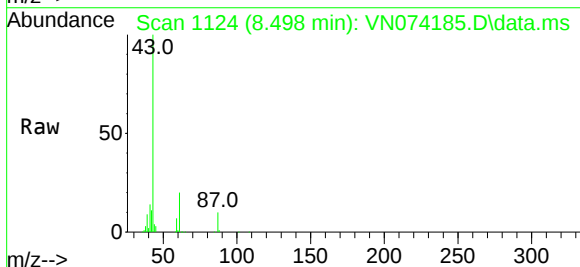
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

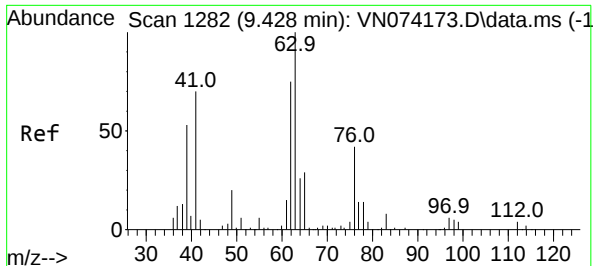
Tgt Ion: 41	Resp: 1710
Ion Ratio	Lower Upper
41 100	
39 23.6	48.6 73.0#
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#43
Isopropyl Acetate
Concen: 26.029 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 43	Resp: 218788
Ion Ratio	Lower Upper
43 100	
61 17.6	21.9 32.9#
87 11.3	12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.965 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.141 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

Instrument :

MSVOA_N

ClientSampleId :

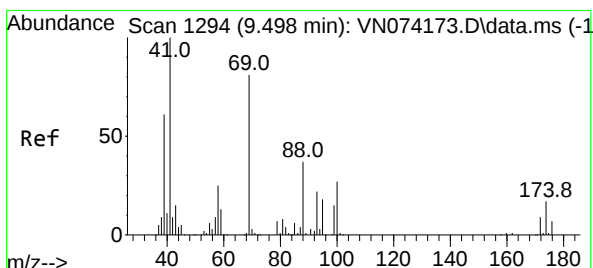
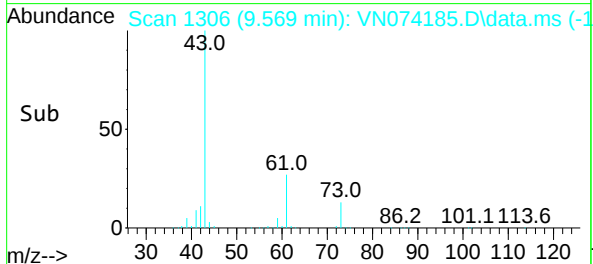
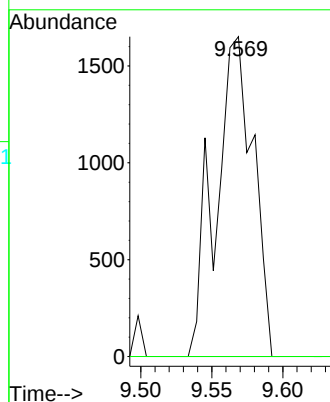
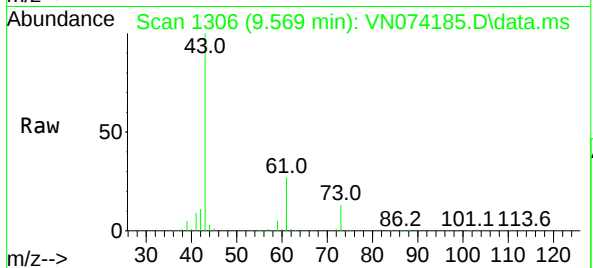
PB147340ZHE#04

Tgt Ion: 63 Resp: 3059

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.937 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

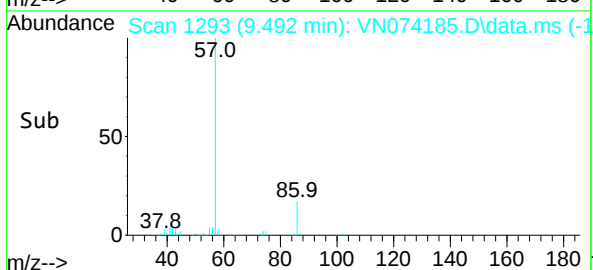
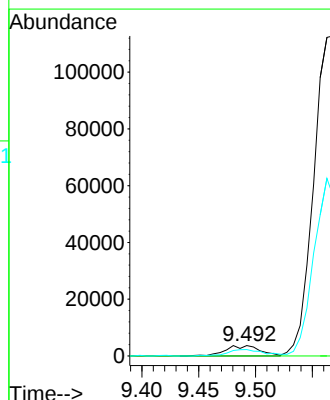
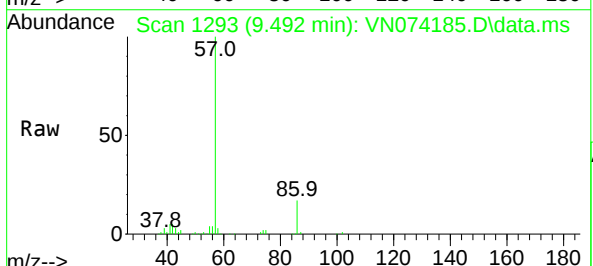
Tgt Ion: 41 Resp: 7732

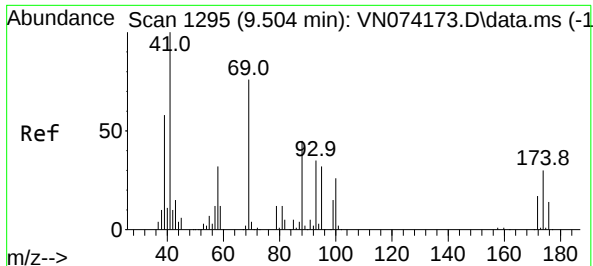
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 67.5 45.6 68.4

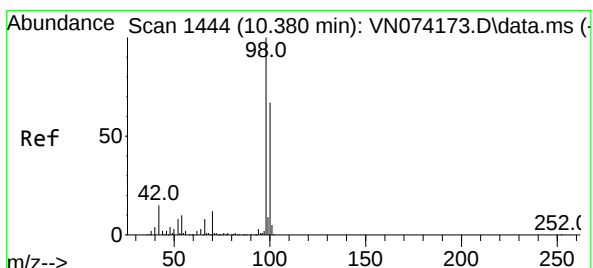
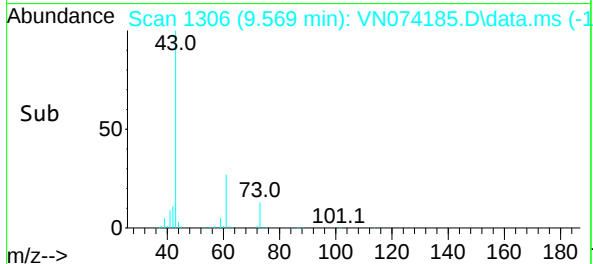
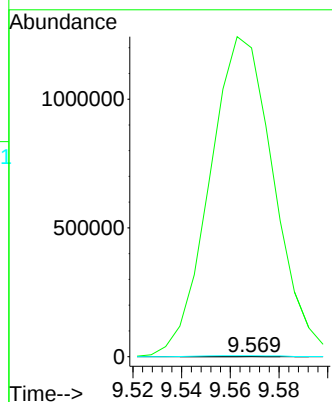
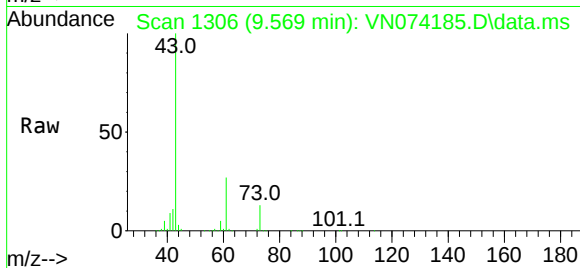




#49
1,4-Dioxane
Concen: 4.075 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

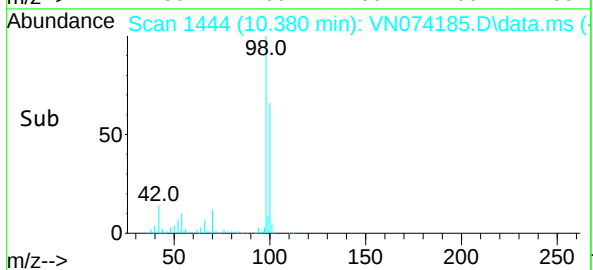
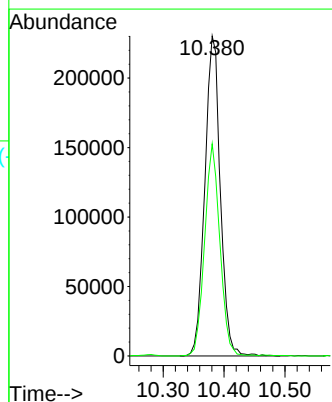
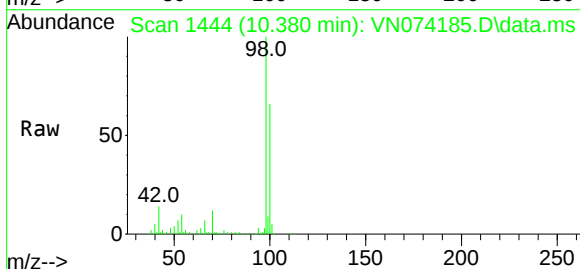
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

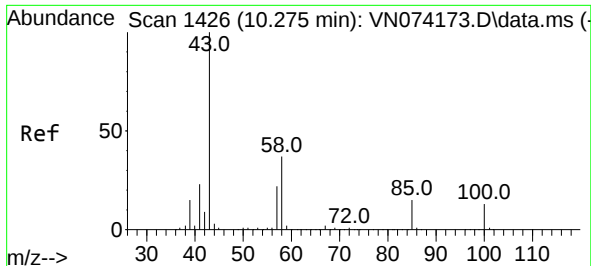
Tgt Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 659774.1 20.2 30.4#
58 2670.1 54.2 81.4#



#50
Toluene-d8
Concen: 44.898 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 98 Resp: 407425
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.687 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.006 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

Instrument :

MSVOA_N

ClientSampleId :

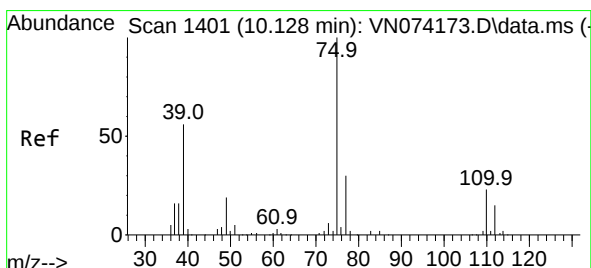
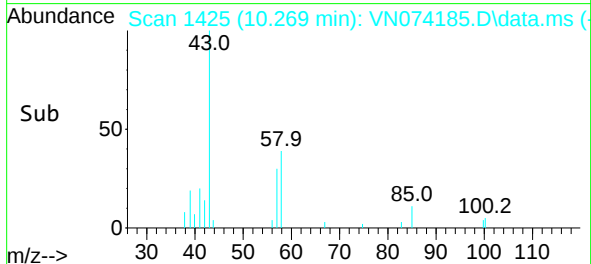
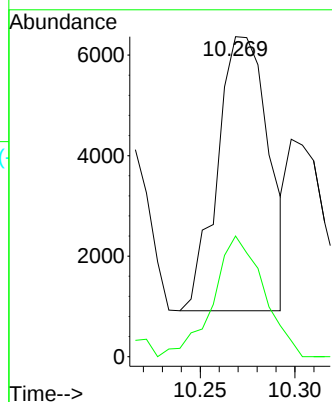
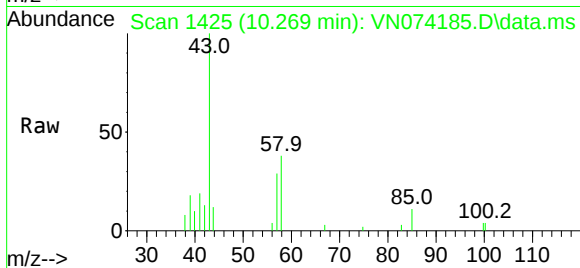
PB147340ZHE#04

Tgt Ion: 43 Resp: 10290

Ion Ratio Lower Upper

43 100

58 43.1 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 14.896 ug/l

RT: 10.186 min Scan# 1411

Delta R.T. 0.059 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

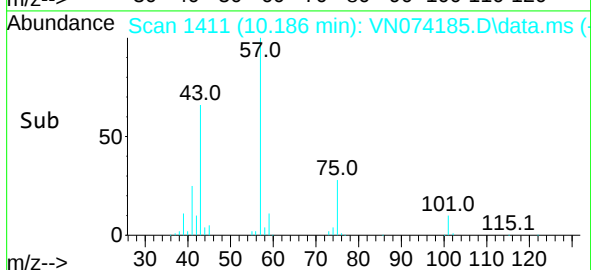
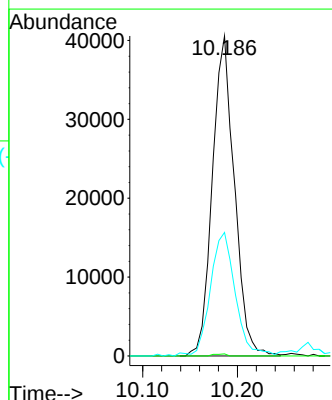
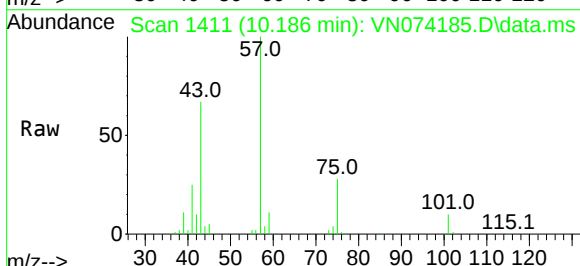
Tgt Ion: 75 Resp: 65592

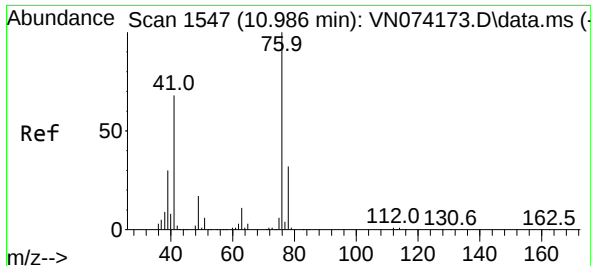
Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

39 37.7 35.7 53.5





#57

1,3-Dichloropropane

Concen: 1.814 ug/l

RT: 11.039 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN074185.D

Acq: 30 Aug 2022 23:43

Instrument :

MSVOA_N

ClientSampleId :

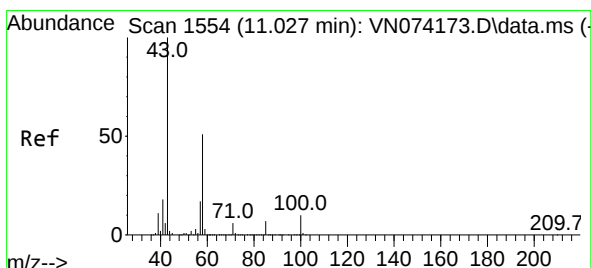
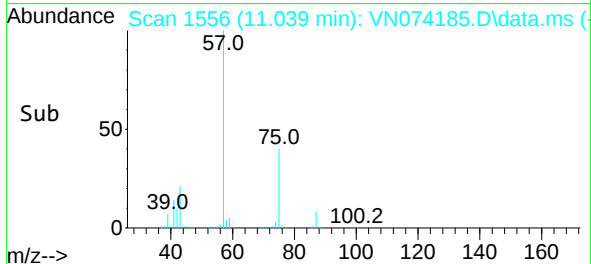
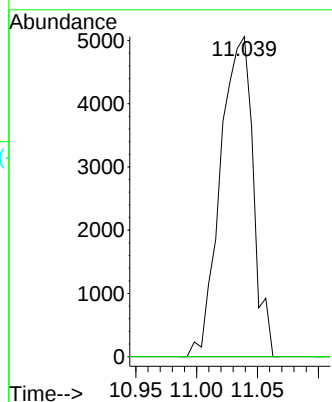
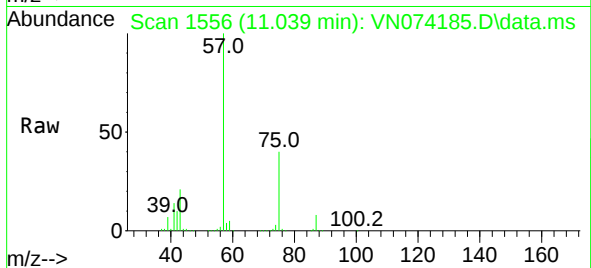
PB147340ZHE#04

Tgt Ion: 76 Resp: 9434

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 31.457 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074185.D

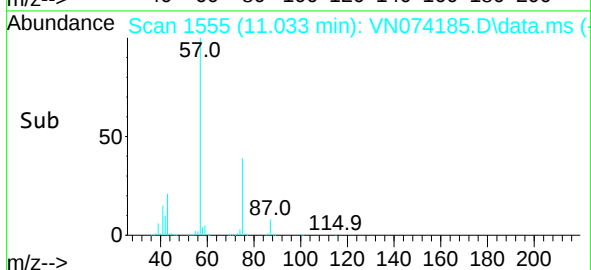
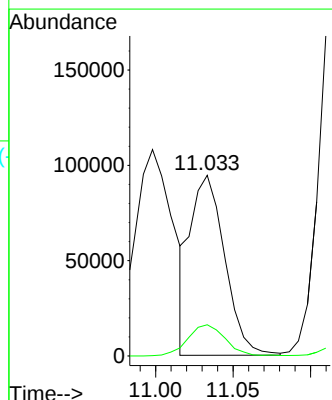
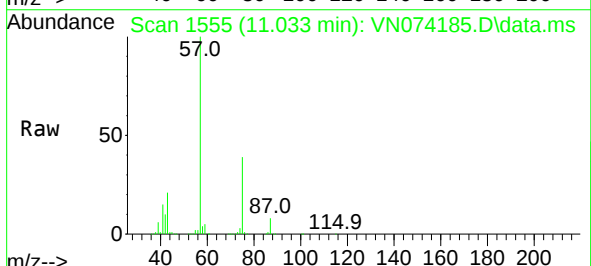
Acq: 30 Aug 2022 23:43

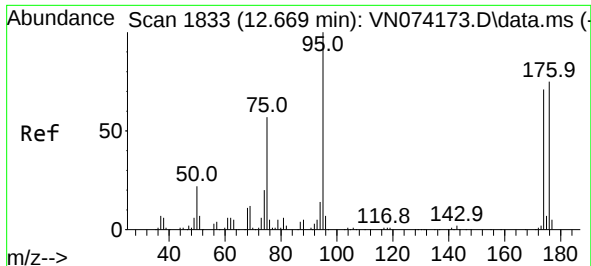
Tgt Ion: 43 Resp: 145628

Ion Ratio Lower Upper

43 100

58 19.1 29.7 89.1#

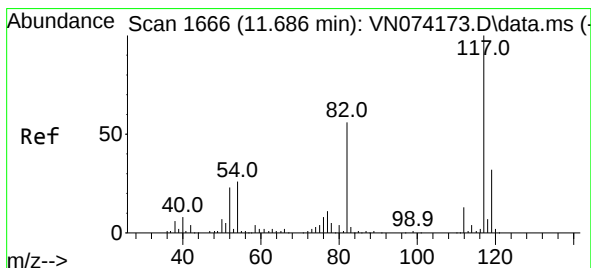
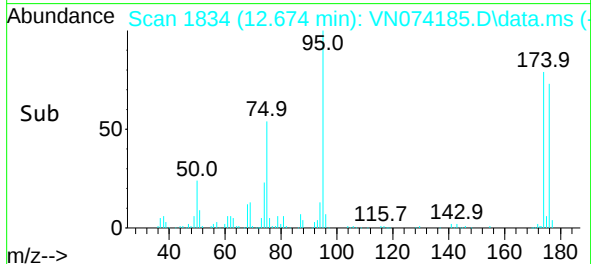
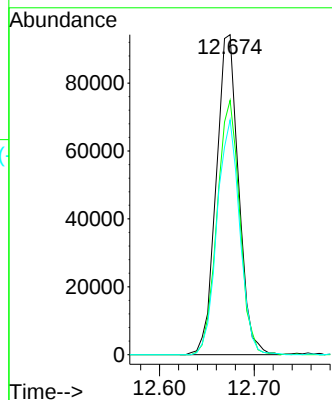
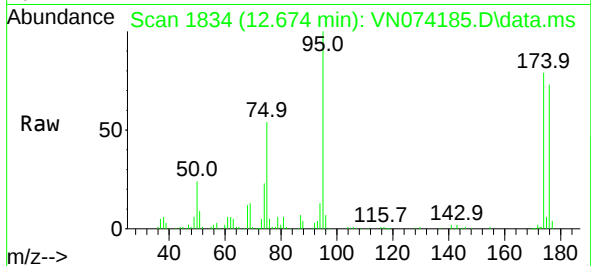




#62
4-Bromofluorobenzene
Concen: 56.183 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

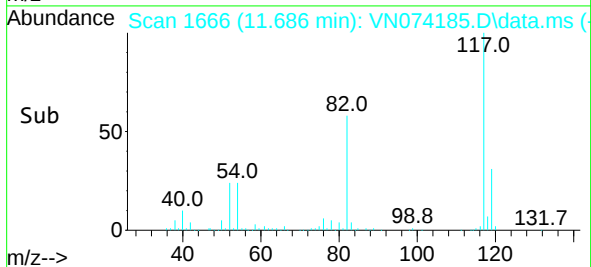
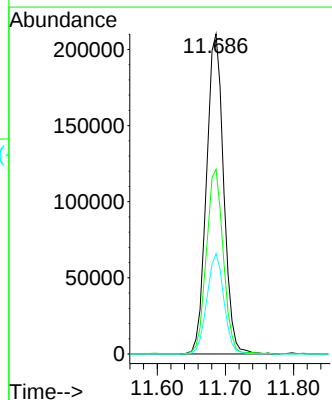
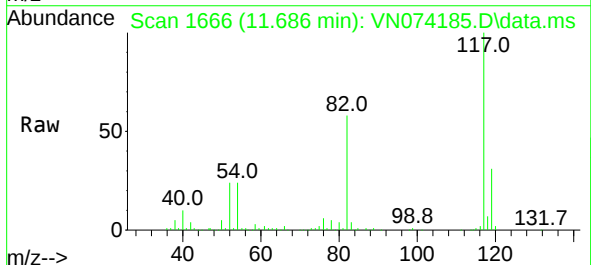
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

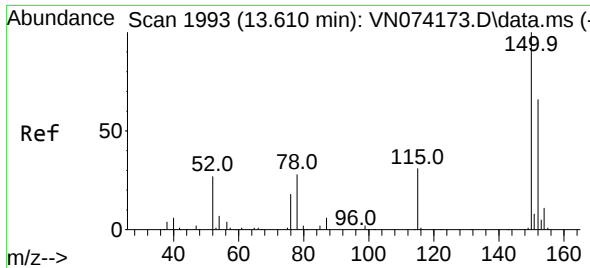
Tgt Ion: 95 Resp: 155043
Ion Ratio Lower Upper
95 100
174 79.9 0.0 167.6
176 74.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 117 Resp: 368374
Ion Ratio Lower Upper
117 100
82 57.7 44.2 66.2
119 31.4 25.4 38.0

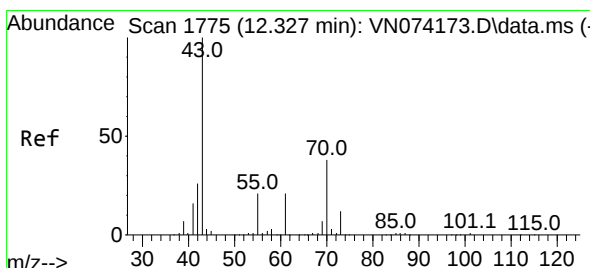
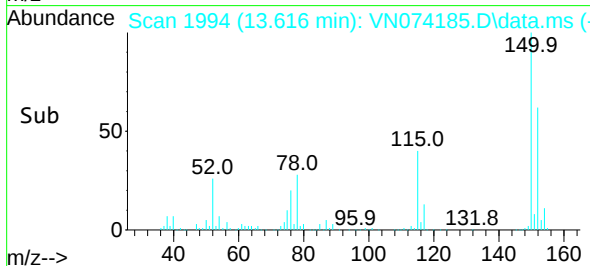
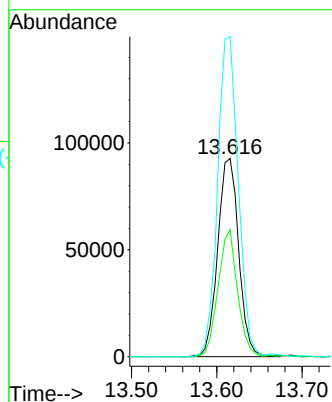
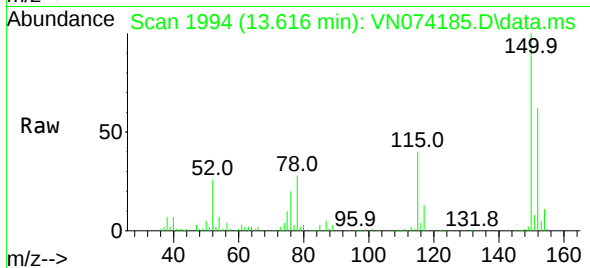




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

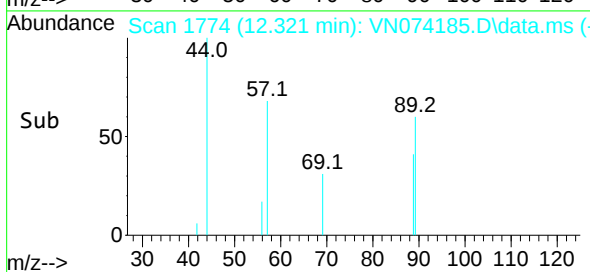
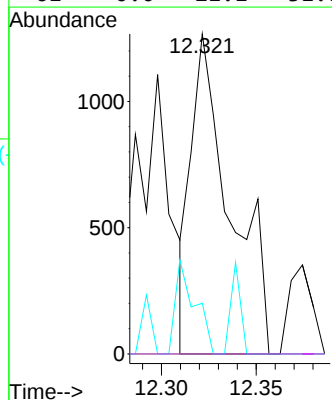
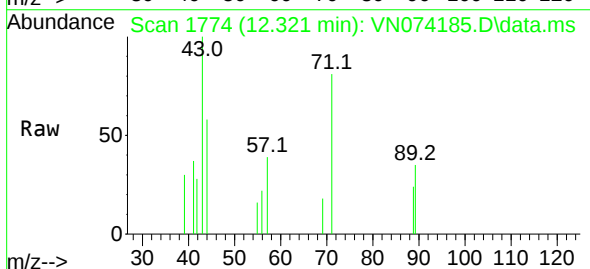
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

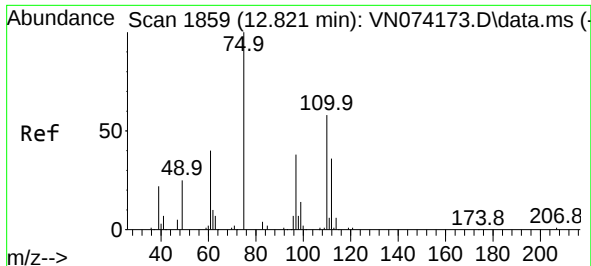
Tgt Ion:152 Resp: 158417
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.7
150 158.8 0.0 356.2



#74
N-ethyl acetate
Concen: 0.236 ug/l
RT: 12.321 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 14.8 21.1 31.7#
61 0.0 21.1 31.7#

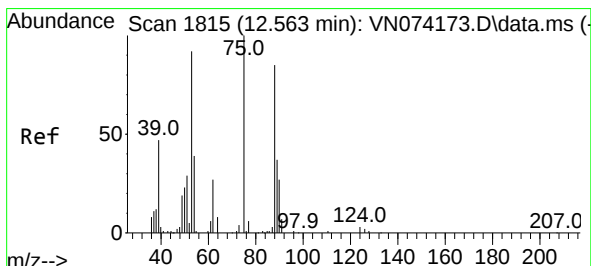
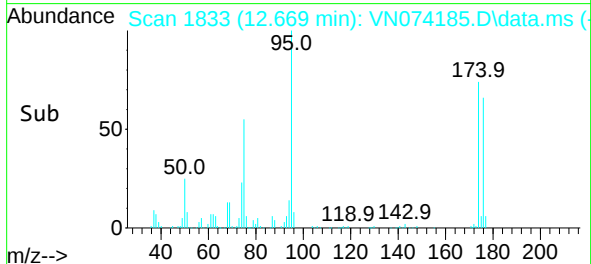
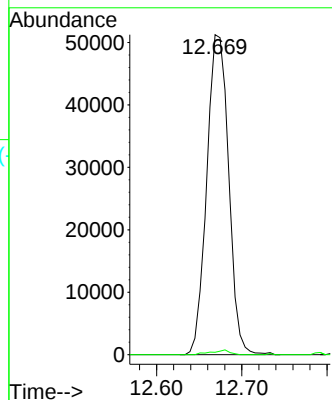
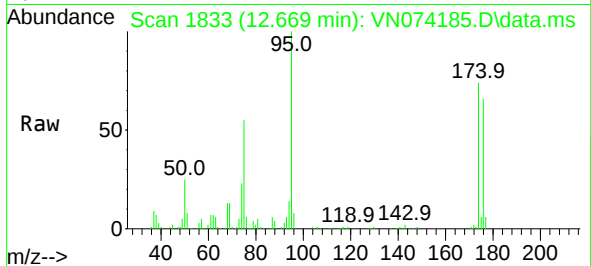




#76
1,2,3-Trichloropropane
Concen: 23.056 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

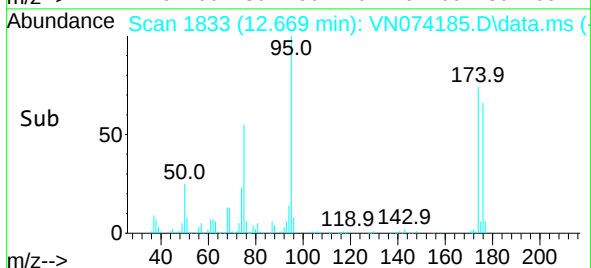
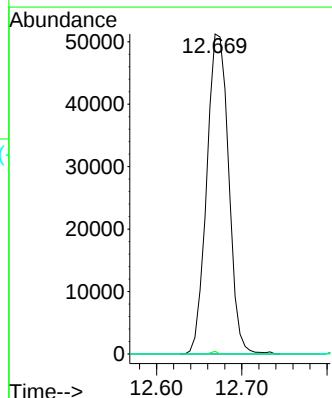
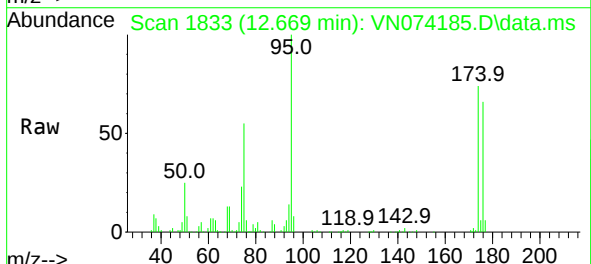
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#04

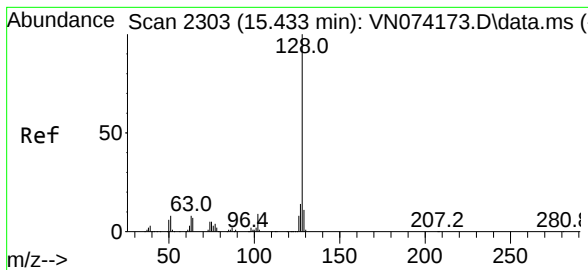
Tgt Ion: 75 Resp: 91388
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.879 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074185.D
Acq: 30 Aug 2022 23:43

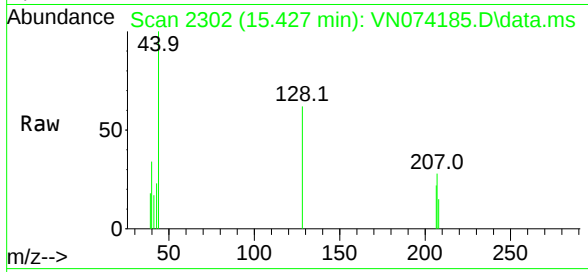
Tgt Ion: 75 Resp: 91388
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 1.219 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074185.D
 Acq: 30 Aug 2022 23:43

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#04



Tgt Ion:	128	Resp:	838
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

