

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080922\
 Data File : VN073786.D
 Acq On : 09 Aug 2022 13:47
 Operator : JC\MD
 Sample : PB146833ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146833ZHE#03

Quant Time: Aug 09 21:08:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

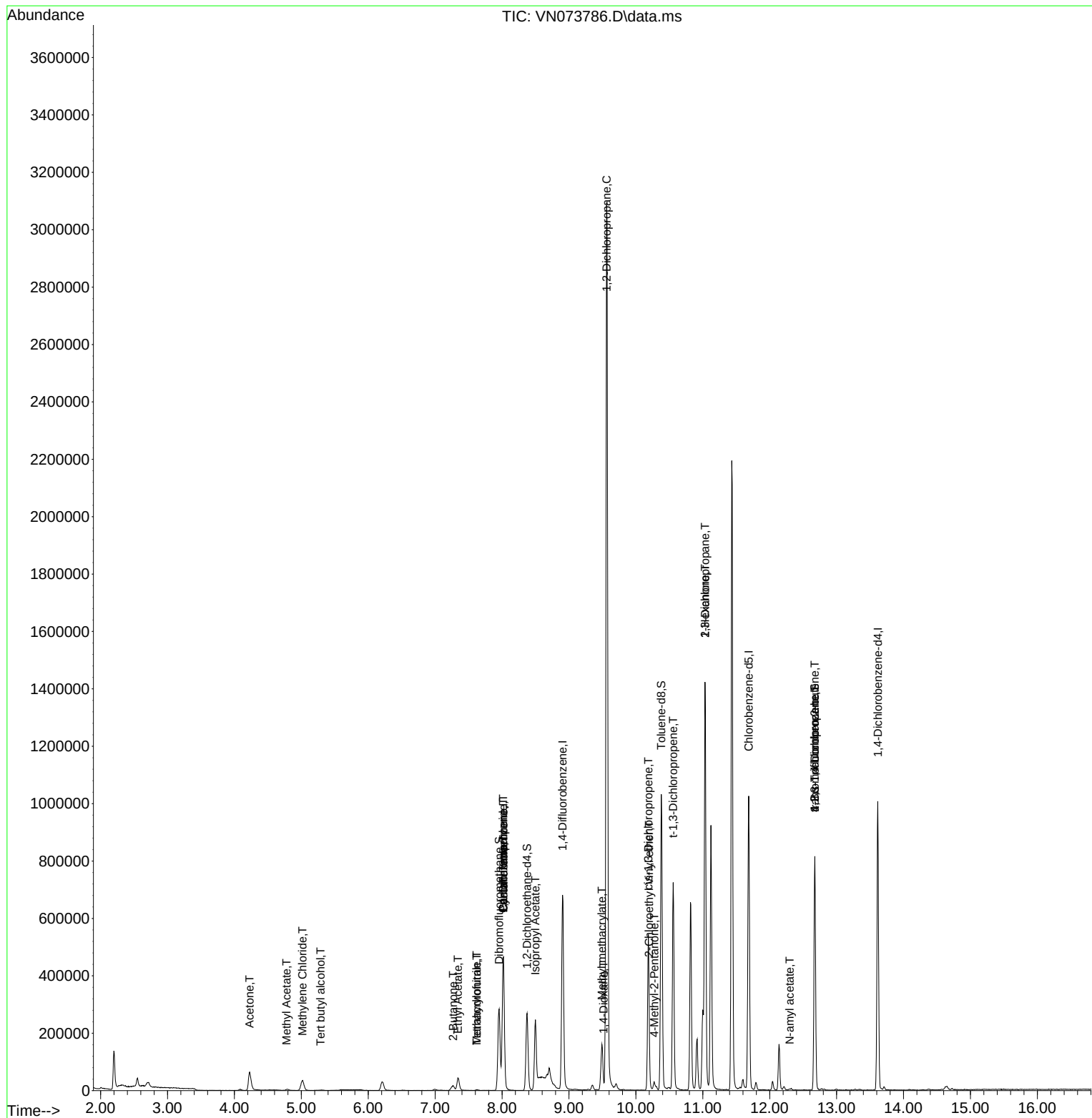
Internal Standards						
1) Pentafluorobenzene	8.022	168	382121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	628749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	615551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	283491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	223253	47.942	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.880%		
35) Dibromofluoromethane	7.957	113	210410	53.293	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.580%		
50) Toluene-d8	10.380	98	722154	46.481	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.960%		
62) 4-Bromofluorobenzene	12.674	95	267484	51.278	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1556	Below Cal	#	88
6) Chloroethane	2.904	64	927	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	3423	3.408	ug/l #	78
16) Acetone	4.228	43	117820	47.106	ug/l	99
18) Methyl Acetate	4.781	43	9122	1.466	ug/l	94
20) Methylene Chloride	5.016	84	31014	5.713	ug/l	100
25) 2-Butanone	7.269	43	23280	5.993	ug/l	90
29) Tetrahydrofuran	7.622	42	2102	0.856	ug/l #	89
31) Cyclohexane	8.022	56	7197	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	27508	4.889	ug/l #	48
37) Ethyl Acetate	7.339	43	68459	9.238	ug/l	99
38) Carbon Tetrachloride	8.016	117	34989	6.122	ug/l #	16
41) Methacrylonitrile	7.622	41	1358	0.405	ug/l #	25
43) Isopropyl Acetate	8.498	43	278827	27.856	ug/l #	90
45) 1,2-Dichloropropane	9.563	63	4333	0.949	ug/l #	44
48) Methyl methacrylate	9.492	41	9884	2.256	ug/l #	39
49) 1,4-Dioxane	9.516	88	54	0.437	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	25863	3.603	ug/l #	77
53) t-1,3-Dichloropropene	10.557	75	1984	0.330	ug/l #	5
54) cis-1,3-Dichloropropene	10.186	75	98788	14.586	ug/l #	65
57) 1,3-Dichloropropane	11.033	76	15339	1.942	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.198	63	61	9.959	ug/l #	44
59) 2-Hexanone	11.033	43	200454	36.853	ug/l #	50
74) N-amyl acetate	12.298	43	3646	0.465	ug/l #	43
76) 1,2,3-Trichloropropane	12.674	75	136358	24.620	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	136358	62.334	ug/l #	11

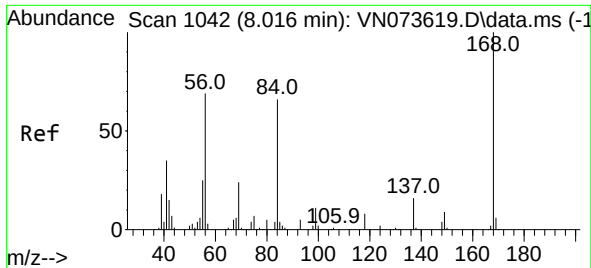
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

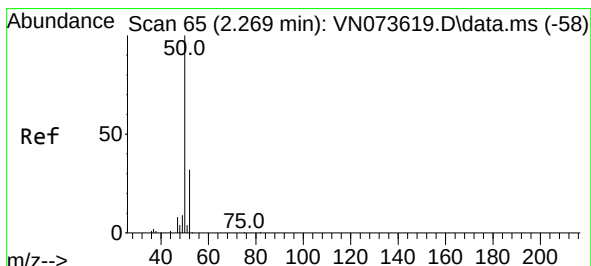
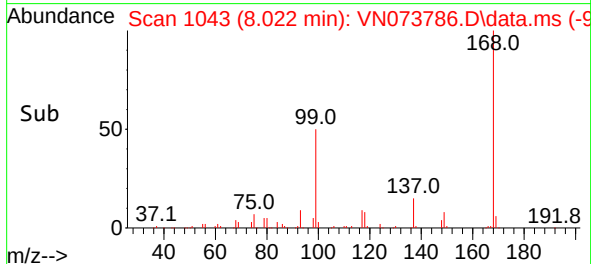
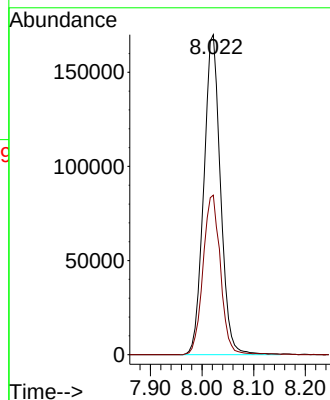
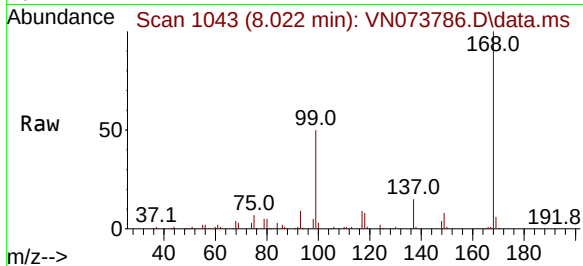




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

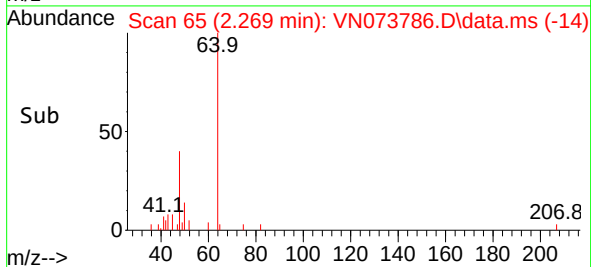
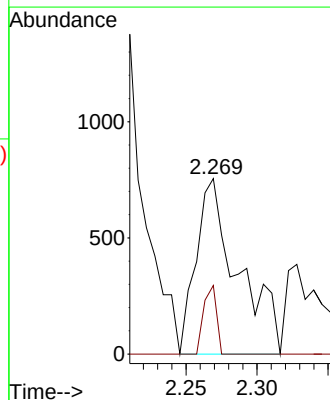
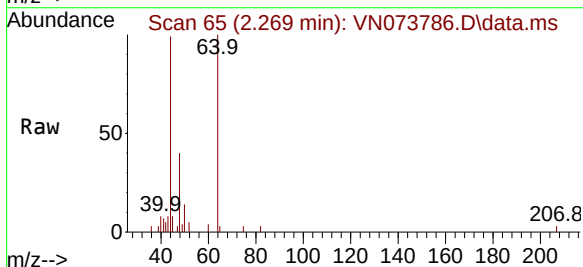
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

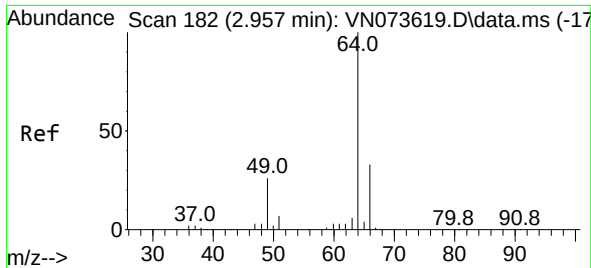
Tgt Ion:168 Resp: 382121
Ion Ratio Lower Upper
168 100
99 49.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion: 50 Resp: 1556
Ion Ratio Lower Upper
50 100
52 39.1 25.7 38.5#

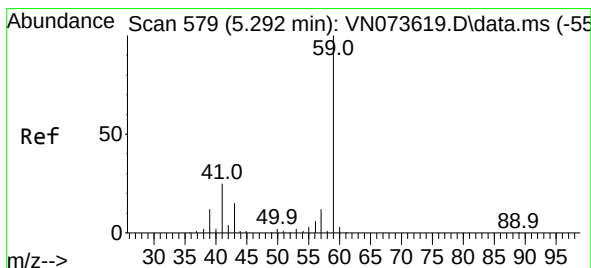
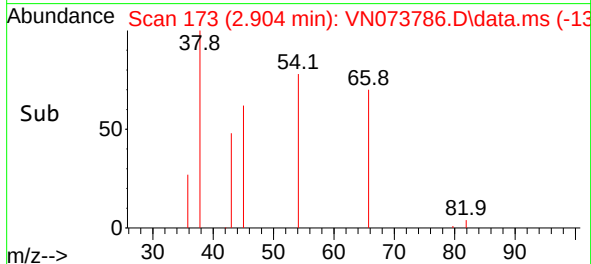
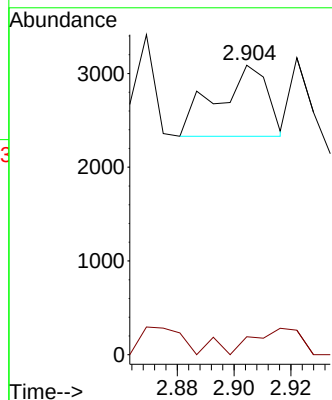
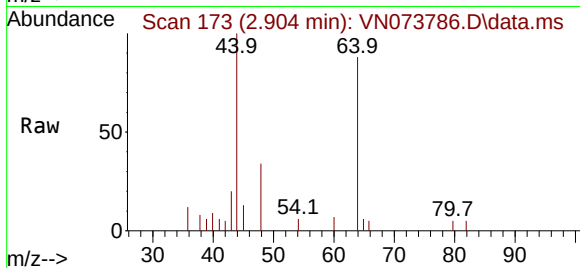




#6
Chloroethane
Concen: Below Cal
RT: 2.904 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

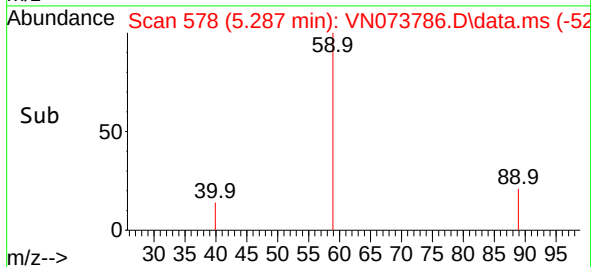
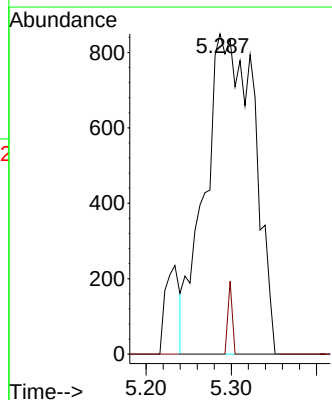
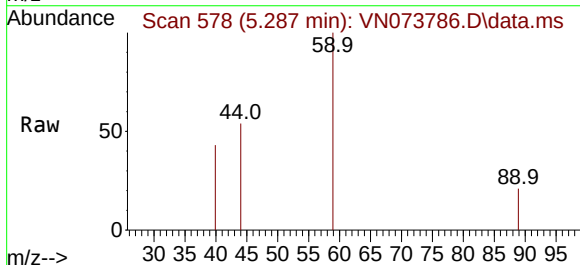
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

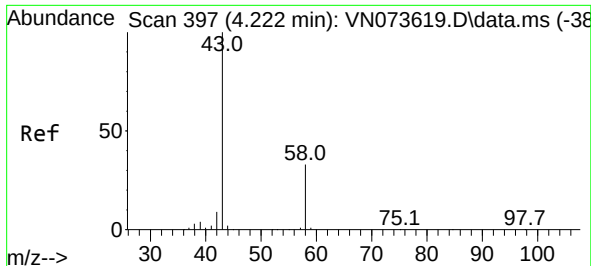
Tgt Ion: 64 Resp: 927
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.408 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion: 59 Resp: 3423
Ion Ratio Lower Upper
59 100
57 2.0 8.3 12.5#

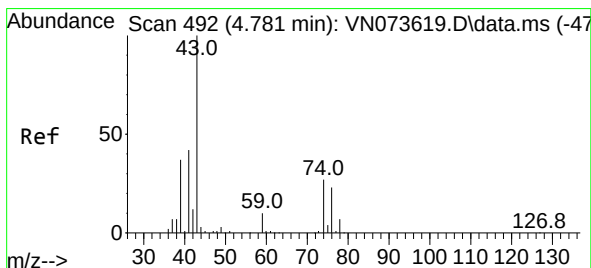
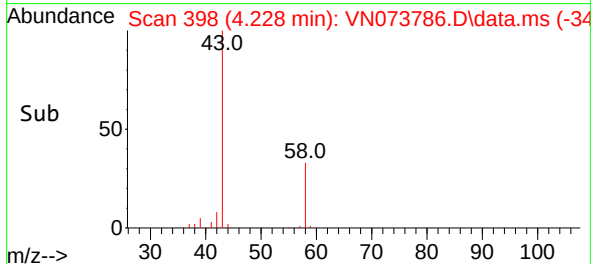
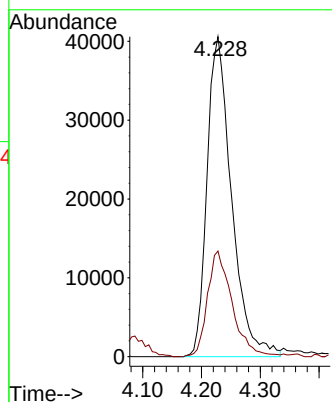
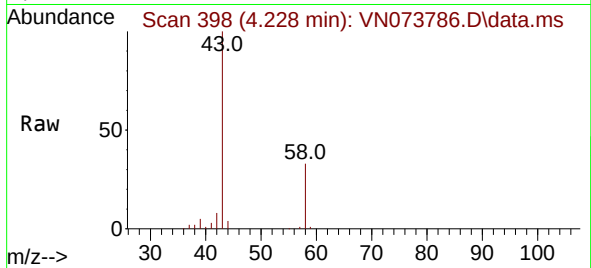




#16
Acetone
Concen: 47.106 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

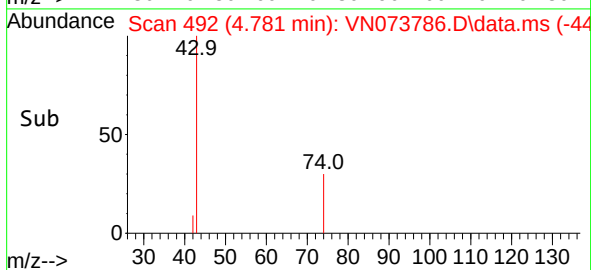
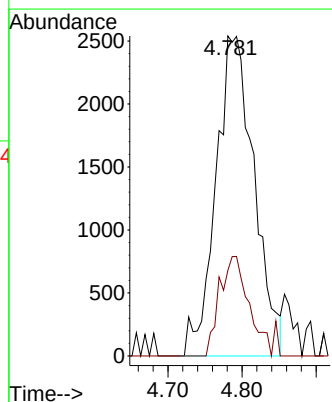
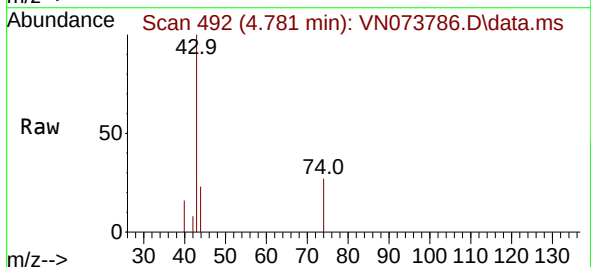
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

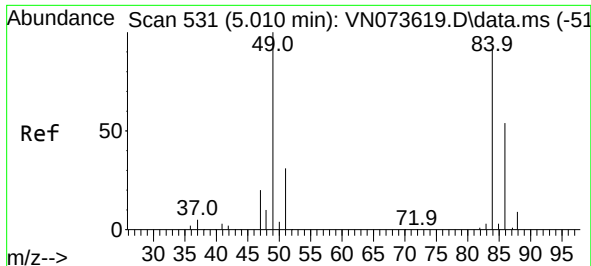
Tgt Ion: 43 Resp: 117820
Ion Ratio Lower Upper
43 100
58 33.0 26.0 39.0



#18
Methyl Acetate
Concen: 1.466 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion: 43 Resp: 9122
Ion Ratio Lower Upper
43 100
74 23.8 21.6 32.4

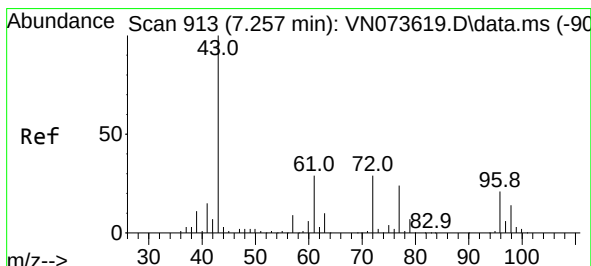
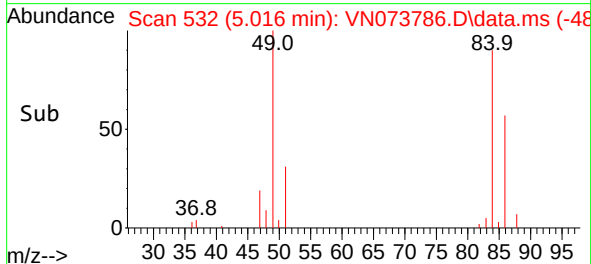
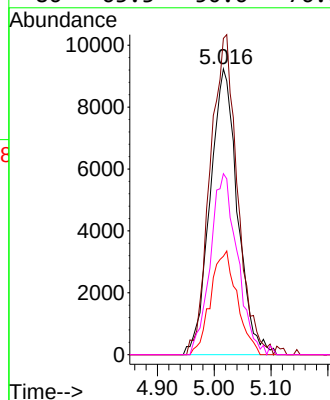
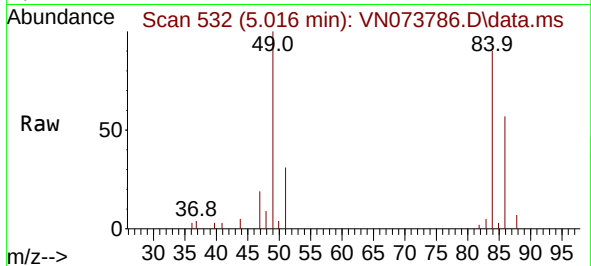




#20
Methylene Chloride
Concen: 5.713 ug/l
RT: 5.016 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

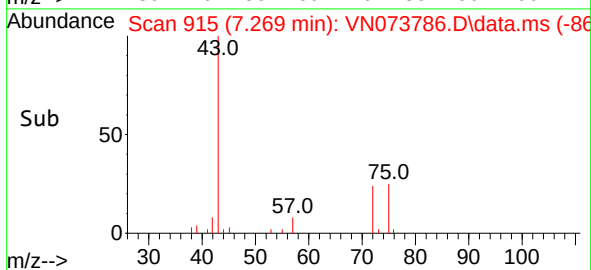
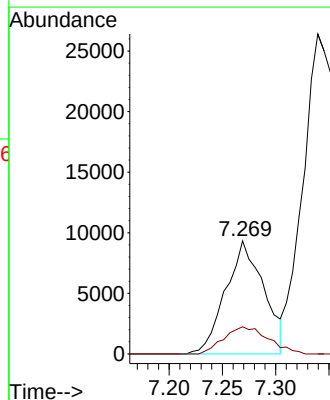
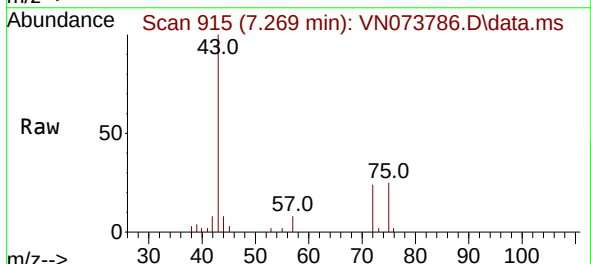
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

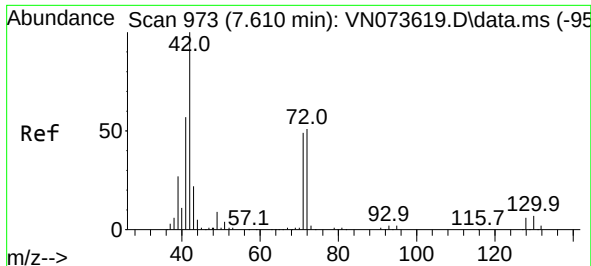
Tgt Ion:	84	Resp:	31014
Ion	Ratio	Lower	Upper
84	100		
49	110.7	88.3	132.5
51	34.4	28.2	42.2
86	63.3	50.6	76.0



#25
2-Butanone
Concen: 5.993 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion:	43	Resp:	23280
Ion	Ratio	Lower	Upper
43	100		
72	24.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.856 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

PB146833ZHE#03

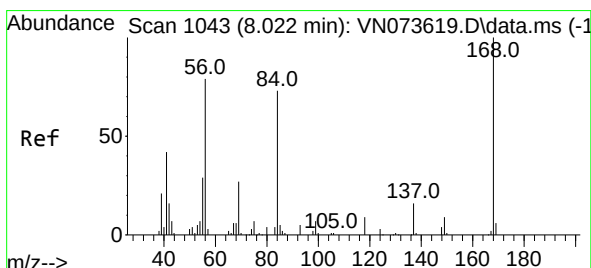
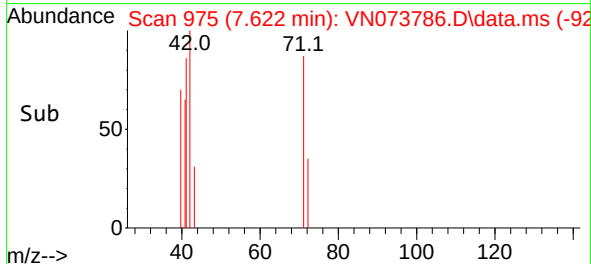
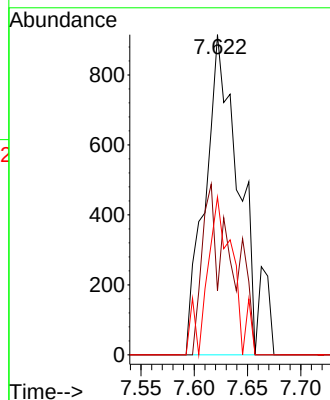
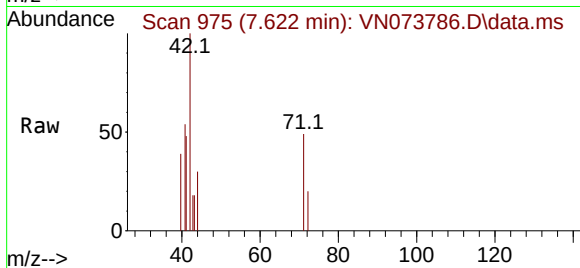
Tgt Ion: 42 Resp: 2102

Ion Ratio Lower Upper

42 100

72 44.5 39.7 59.5

71 36.4 36.6 55.0#



#31

Cyclohexane

Concen: 1.038 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

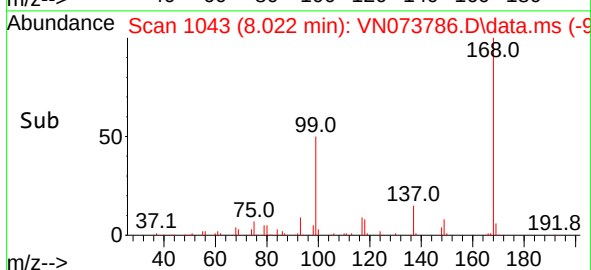
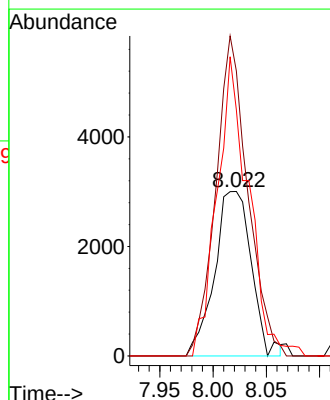
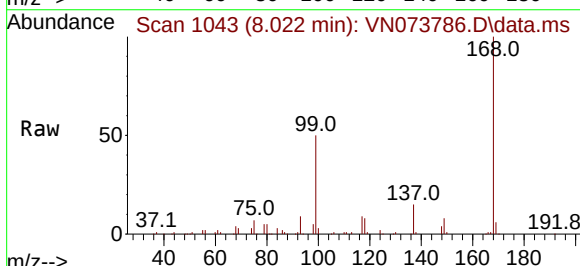
Tgt Ion: 56 Resp: 7197

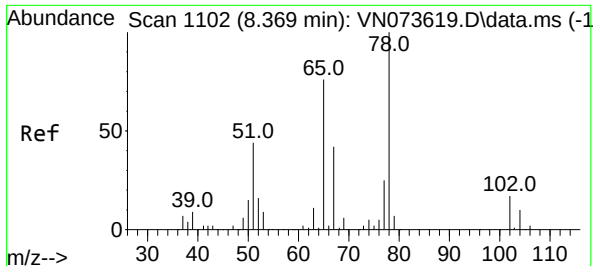
Ion Ratio Lower Upper

56 100

69 173.3 27.8 41.8#

84 149.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.942 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

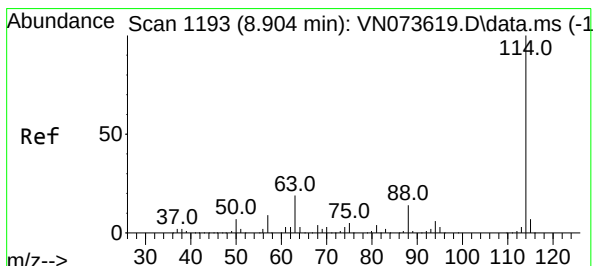
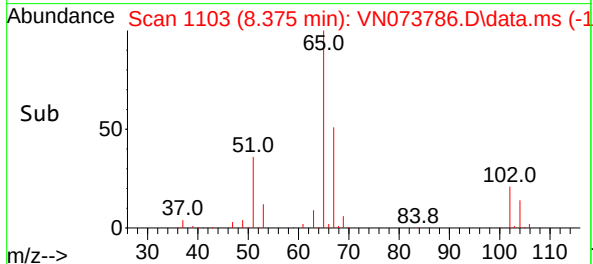
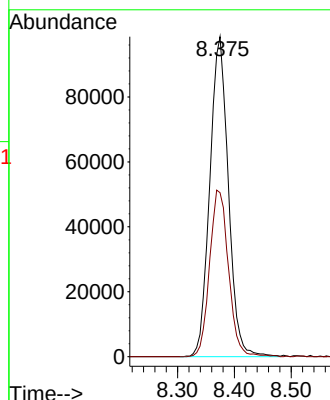
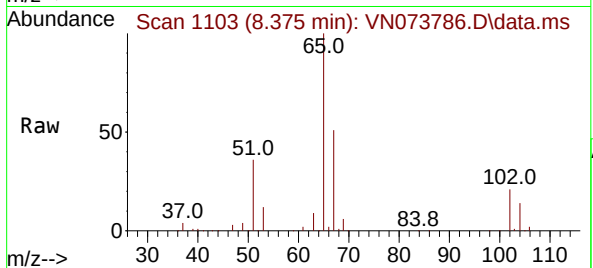
PB146833ZHE#03

Tgt Ion: 65 Resp: 223253

Ion Ratio Lower Upper

65 100

67 53.0 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: VN073786.D

Acq: 09 Aug 2022 13:47

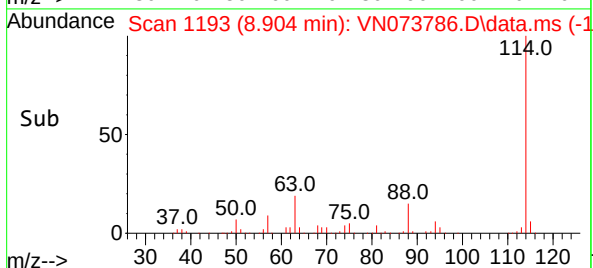
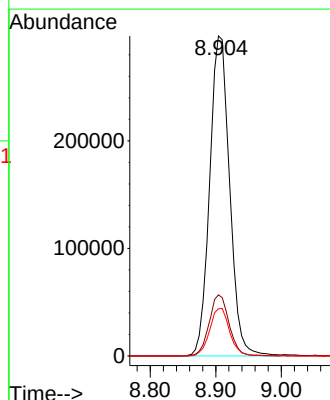
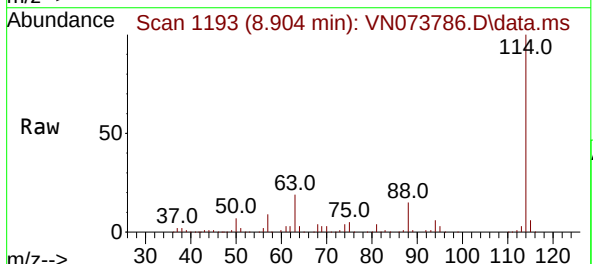
Tgt Ion: 114 Resp: 628749

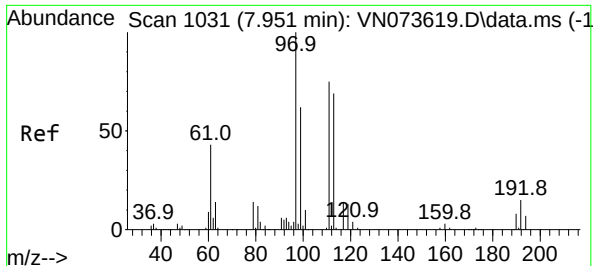
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 14.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.293 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

PB146833ZHE#03

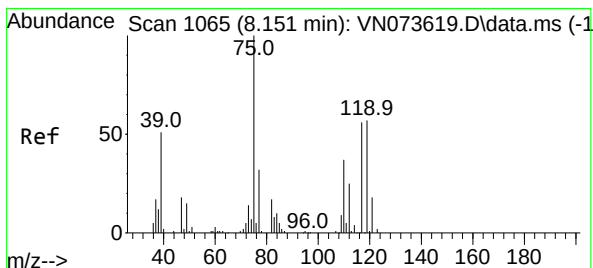
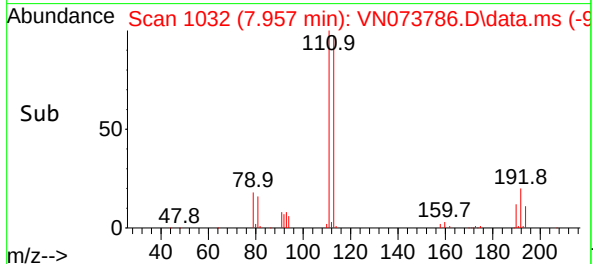
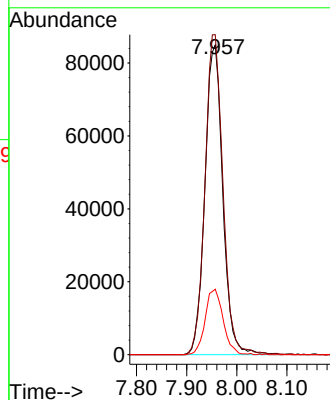
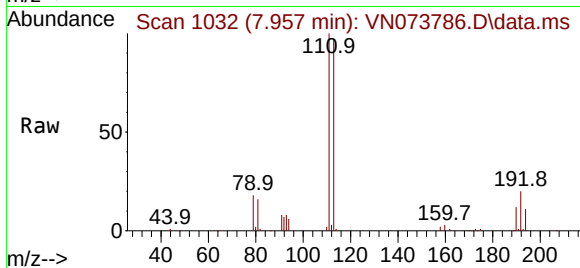
Tgt Ion:113 Resp: 210410

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 21.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

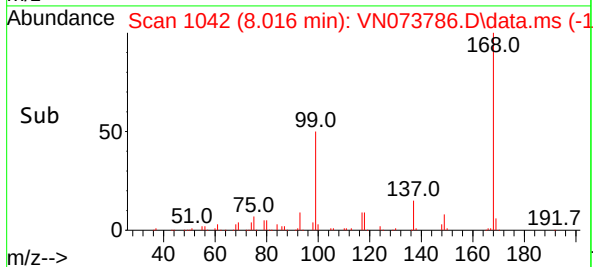
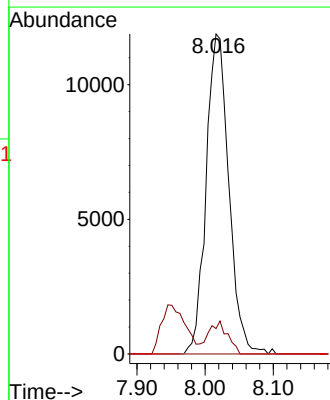
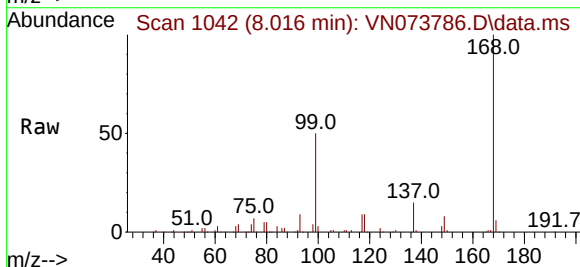
Tgt Ion: 75 Resp: 27508

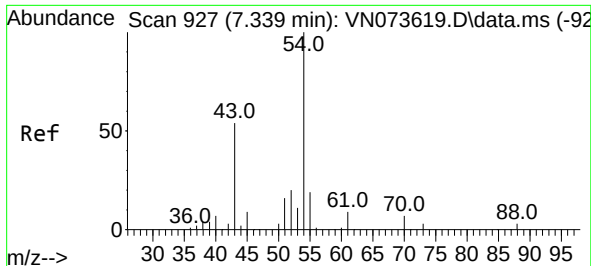
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#

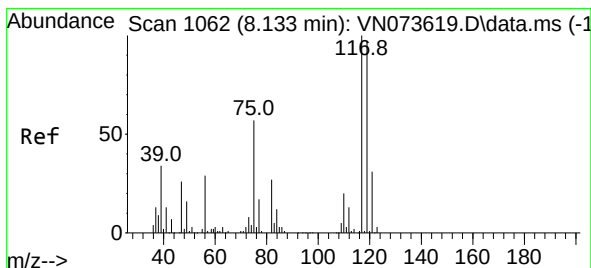
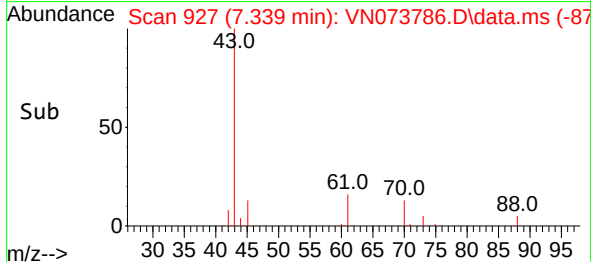
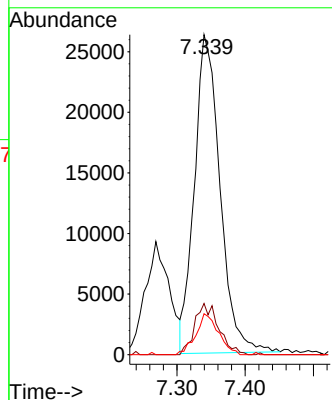
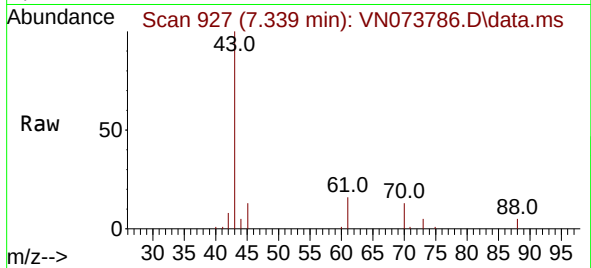




#37
Ethyl Acetate
Concen: 9.238 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

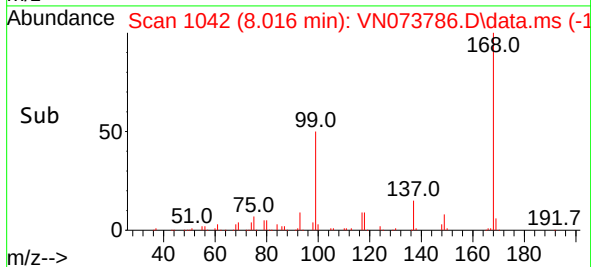
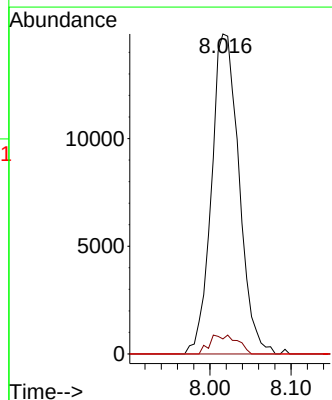
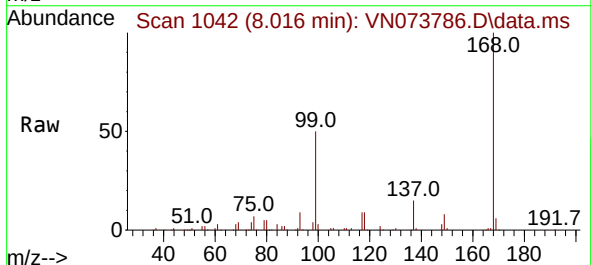
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

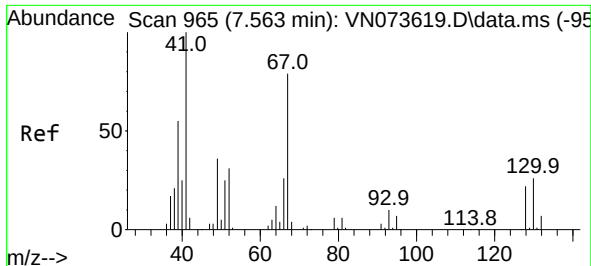
Tgt Ion: 43 Resp: 68459
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 11.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion: 117 Resp: 34989
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#

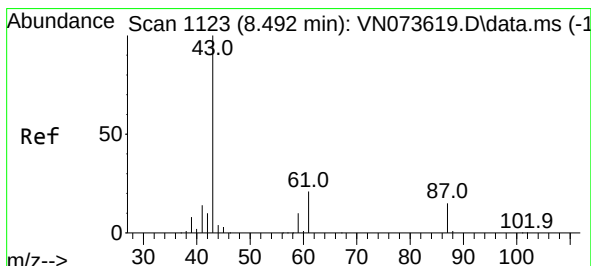
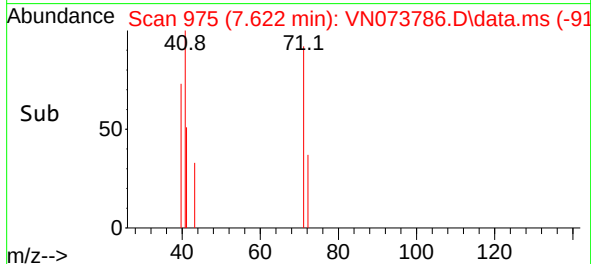
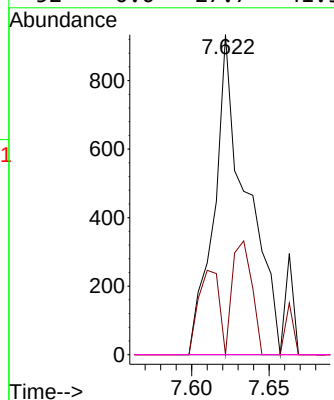
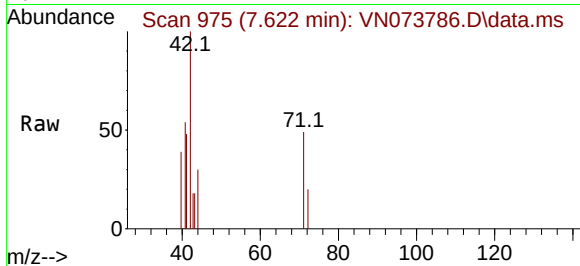




#41
Methacrylonitrile
Concen: 0.405 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

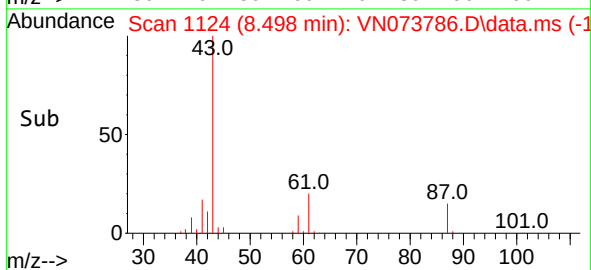
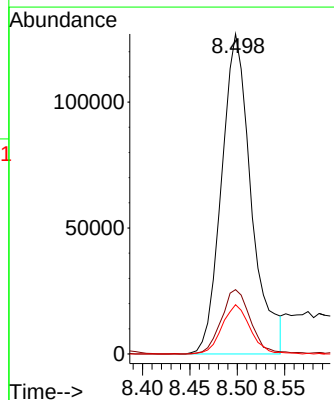
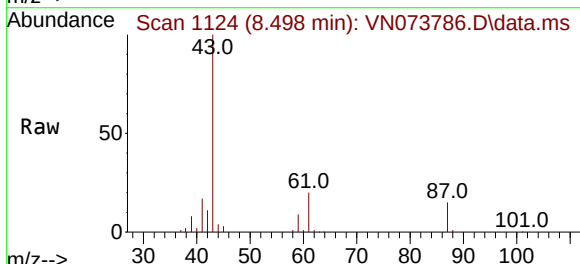
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

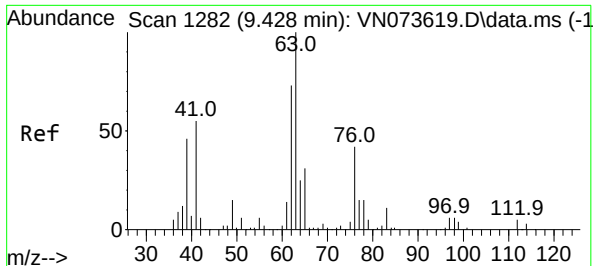
Tgt Ion:	41	Resp:	1358
Ion	Ratio	Lower	Upper
41	100		
39	21.4	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 27.856 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion:	43	Resp:	278827
Ion	Ratio	Lower	Upper
43	100		
61	19.8	21.9	32.9#
87	14.5	12.0	18.0





#45

1,2-Dichloropropane

Concen: 0.949 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

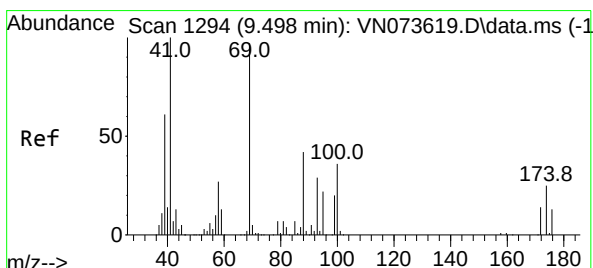
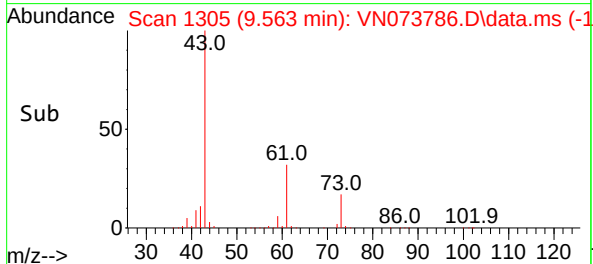
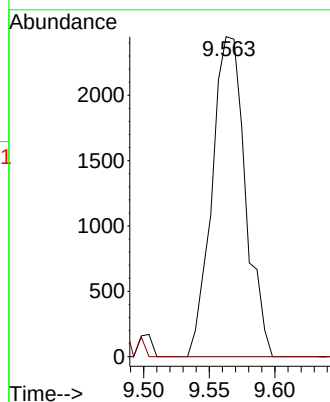
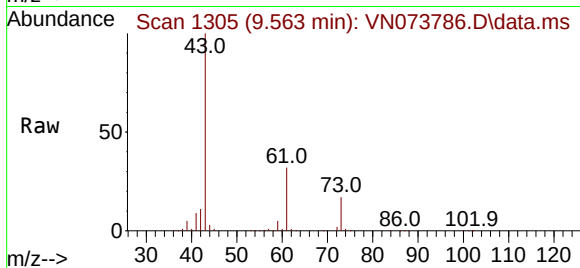
PB146833ZHE#03

Tgt Ion: 63 Resp: 4333

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.256 ug/l

RT: 9.492 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

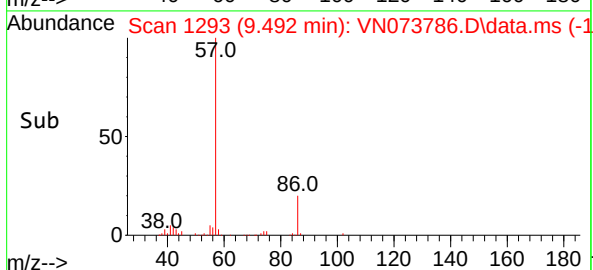
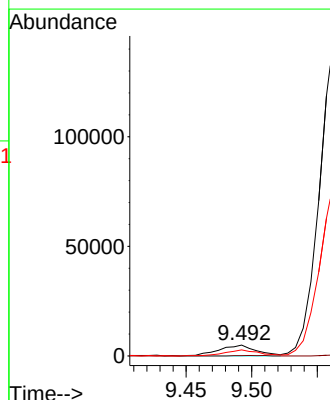
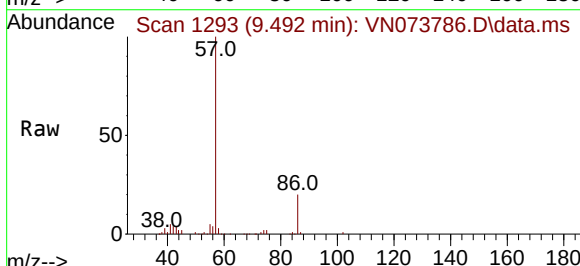
Tgt Ion: 41 Resp: 9884

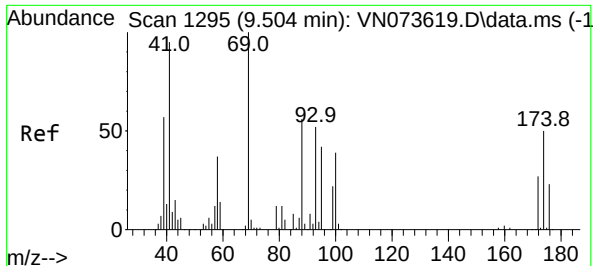
Ion Ratio Lower Upper

41 100

69 3.3 74.7 112.1#

39 51.2 45.6 68.4

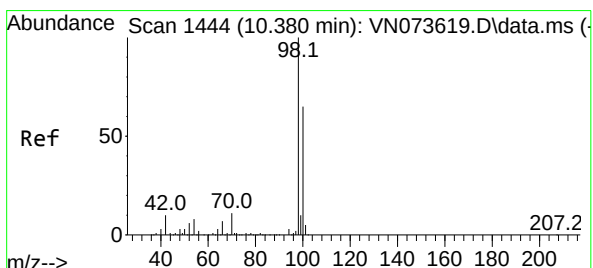
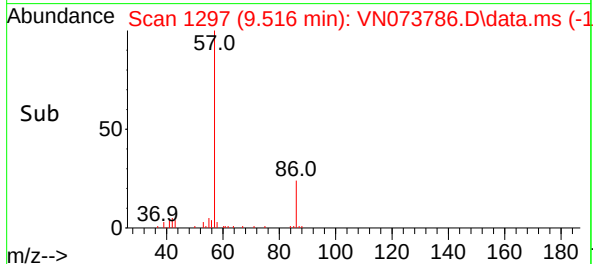
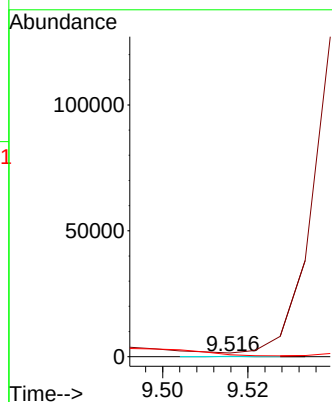
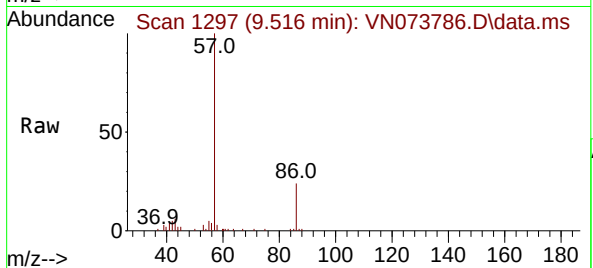




#49
1,4-Dioxane
Concen: 0.437 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

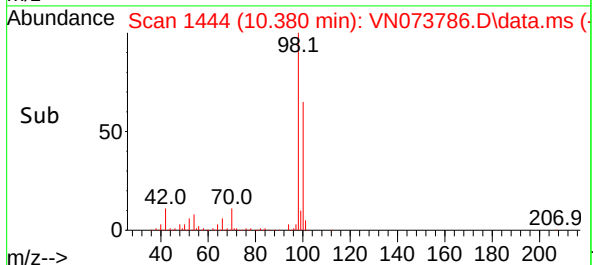
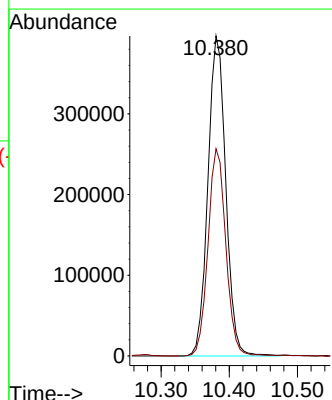
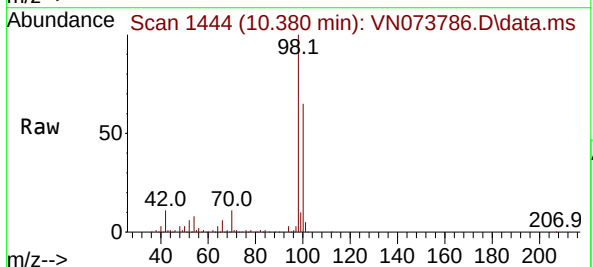
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

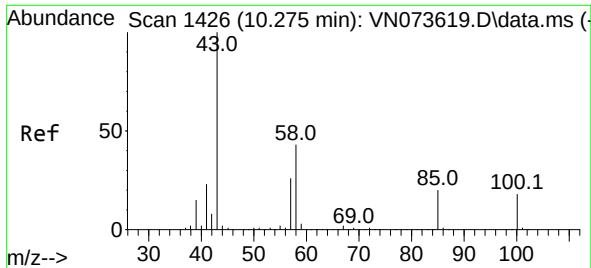
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.481 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion: 98 Resp: 722154
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

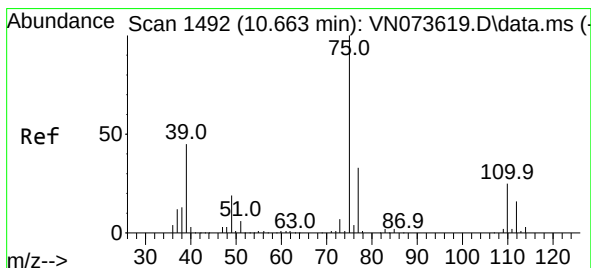
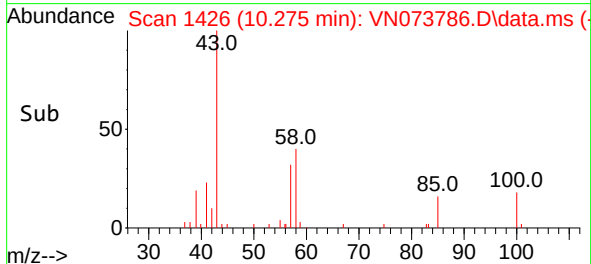
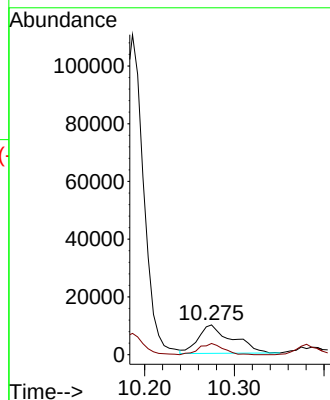
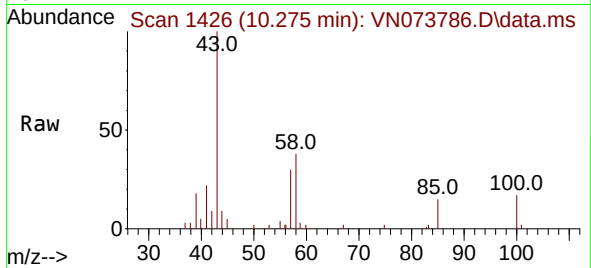




#51
4-Methyl-2-Pentanone
Concen: 3.603 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

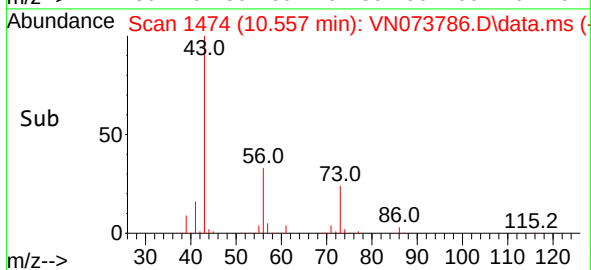
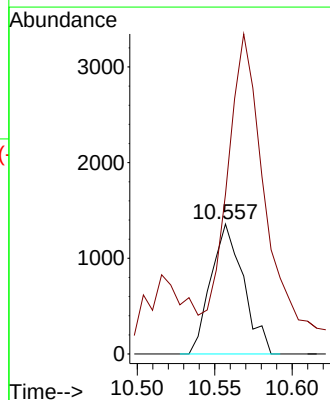
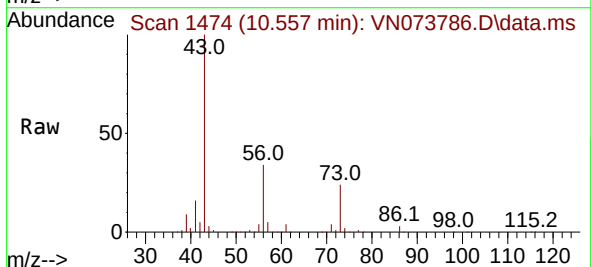
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

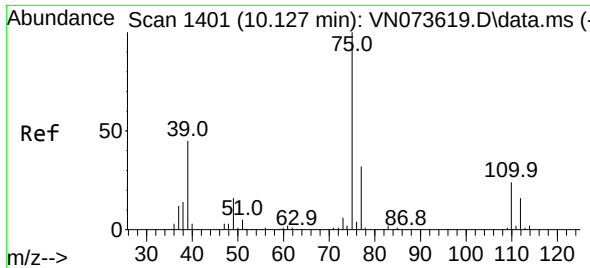
Tgt Ion: 43 Resp: 25863
Ion Ratio Lower Upper
43 100
58 27.9 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.330 ug/l
RT: 10.557 min Scan# 1474
Delta R.T. -0.106 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion: 75 Resp: 1984
Ion Ratio Lower Upper
75 100
77 85.1 25.6 38.4#

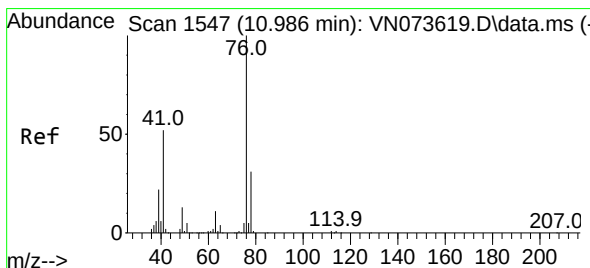
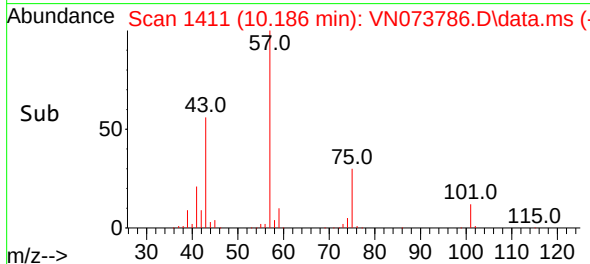
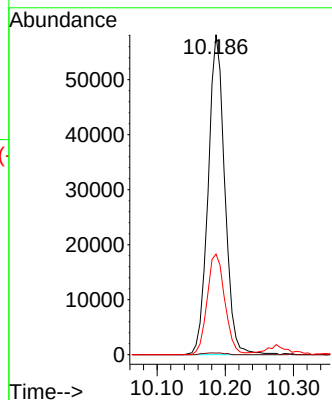
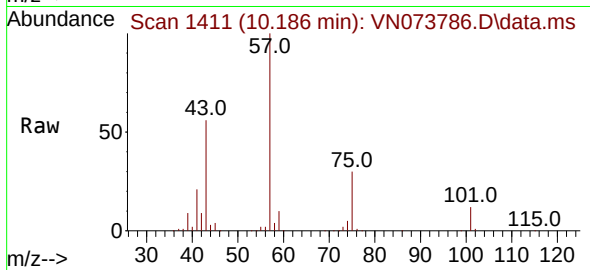




#54
 cis-1,3-Dichloropropene
 Concen: 14.586 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN073786.D
 Acq: 09 Aug 2022 13:47

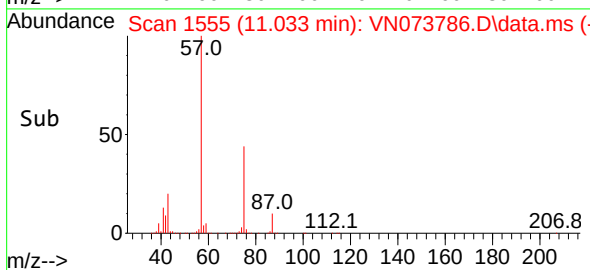
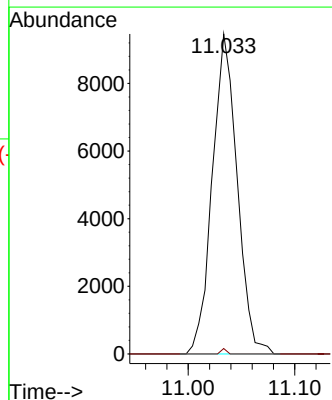
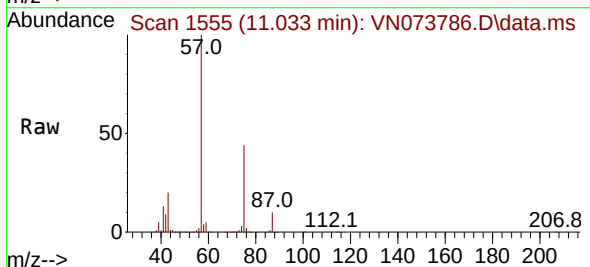
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146833ZHE#03

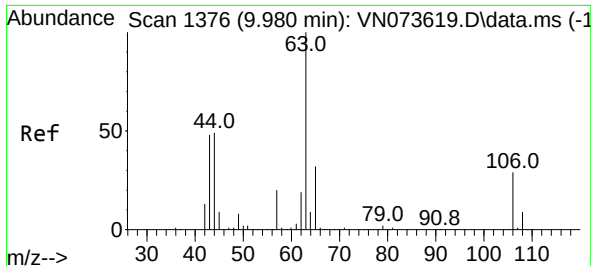
Tgt Ion: 75 Resp: 98788
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 31.4 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.942 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073786.D
 Acq: 09 Aug 2022 13:47

Tgt Ion: 76 Resp: 15339
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#





#58

2-Chloroethyl Vinyl ether

Concen: 9.959 ug/l

RT: 10.198 min Scan# 14

Delta R.T. 0.218 min

Lab File: VN073786.D

Acq: 09 Aug 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

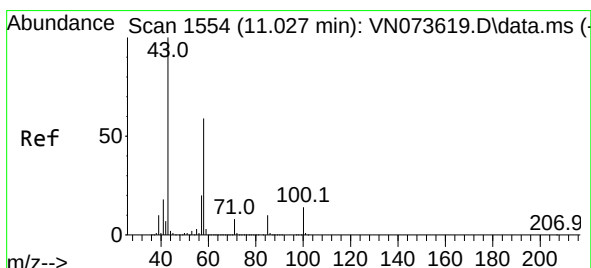
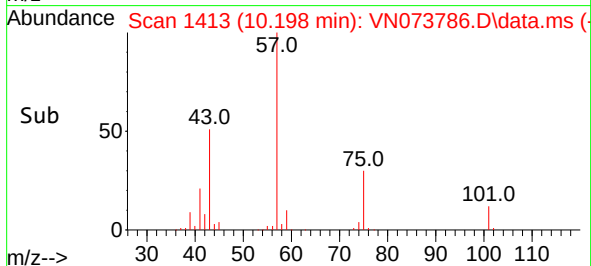
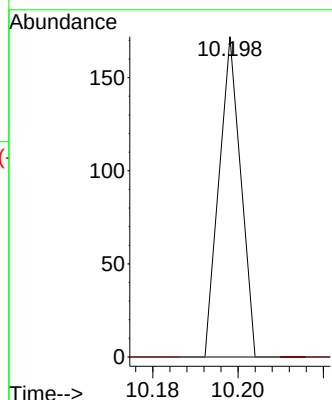
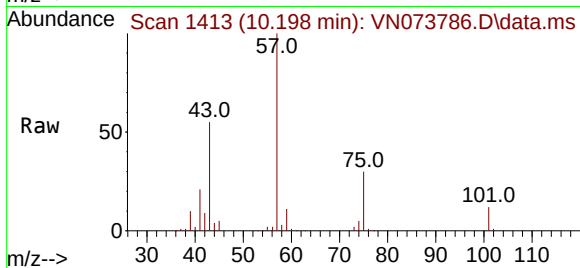
PB146833ZHE#03

Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

63 100

106 0.0 24.6 36.8#



#59

2-Hexanone

Concen: 36.853 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073786.D

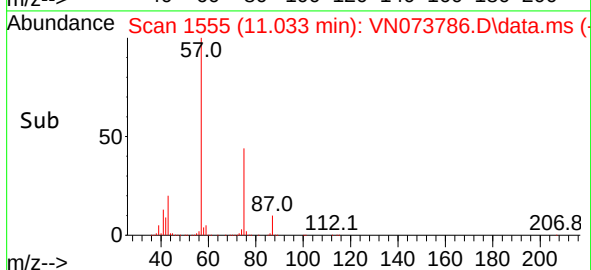
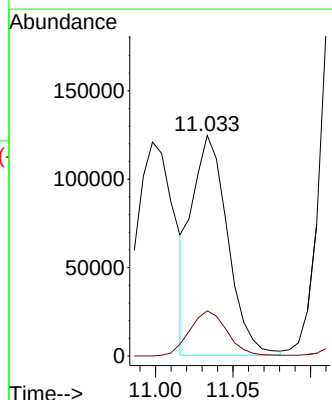
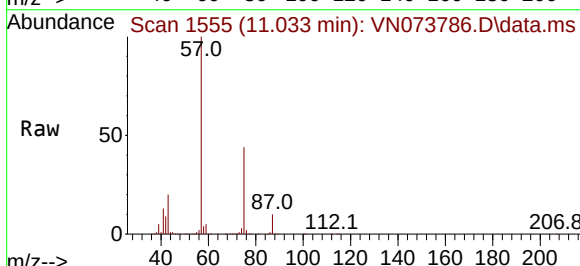
Acq: 09 Aug 2022 13:47

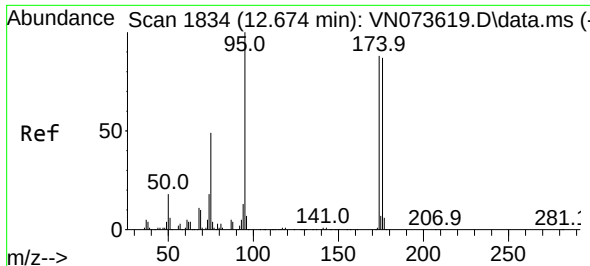
Tgt Ion: 43 Resp: 200454

Ion Ratio Lower Upper

43 100

58 21.5 29.7 89.1#

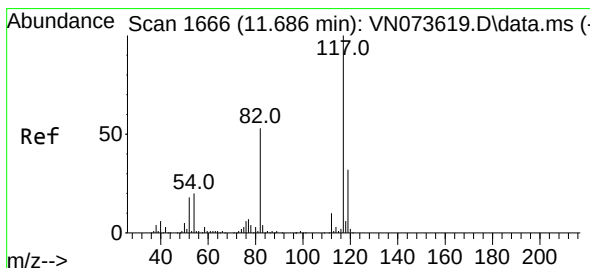
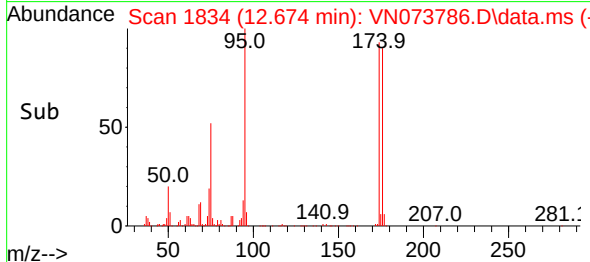
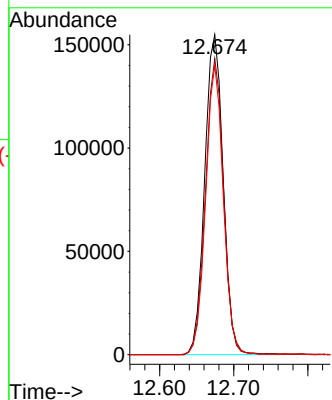
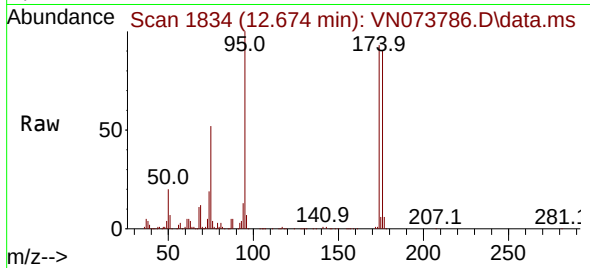




#62
4-Bromofluorobenzene
Concen: 51.278 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

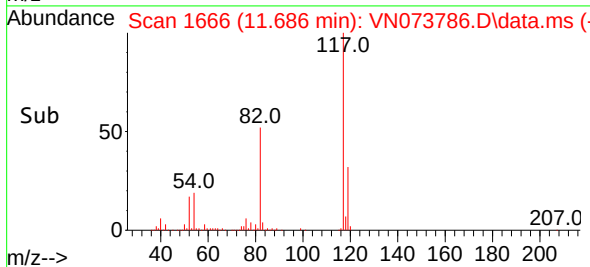
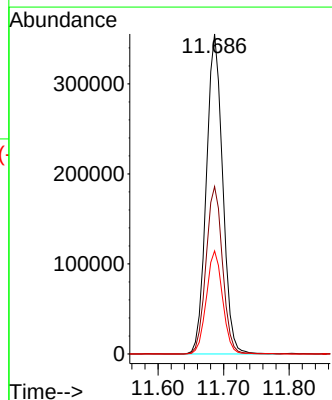
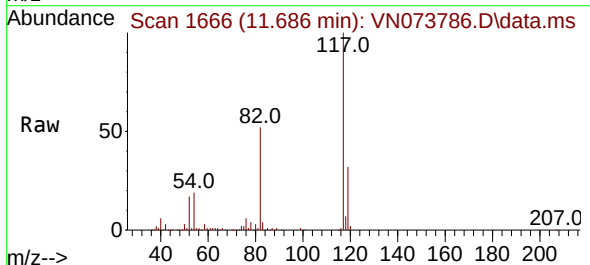
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

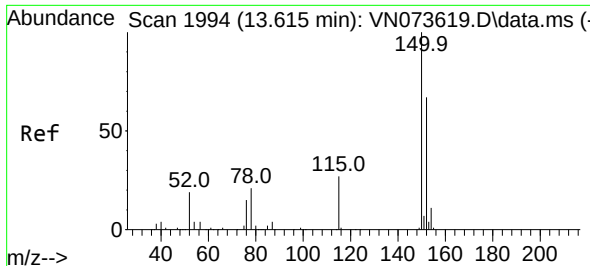
Tgt Ion: 95 Resp: 267484
Ion Ratio Lower Upper
95 100
174 91.2 0.0 167.6
176 86.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

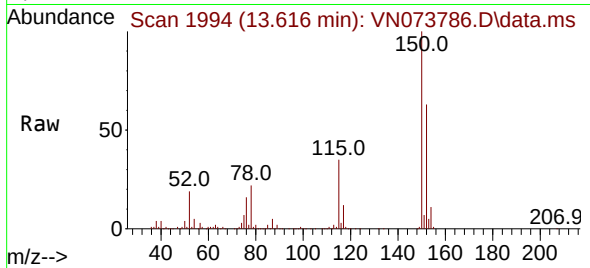
Tgt Ion: 117 Resp: 615551
Ion Ratio Lower Upper
117 100
82 52.3 44.2 66.2
119 32.2 25.4 38.0



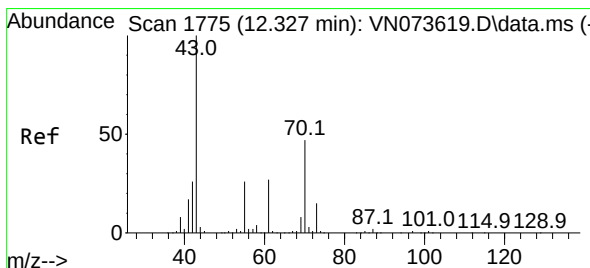
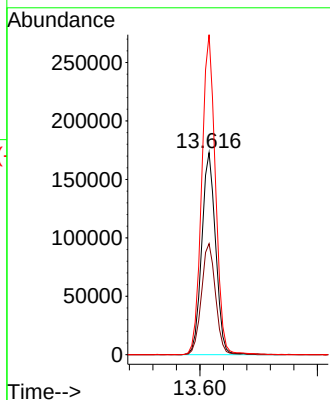
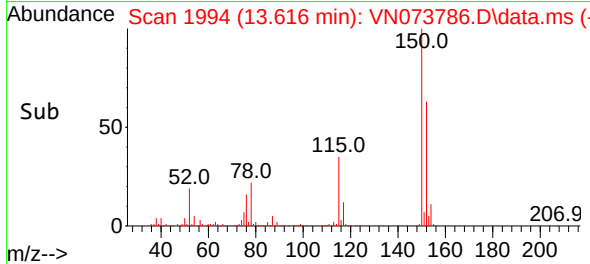


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

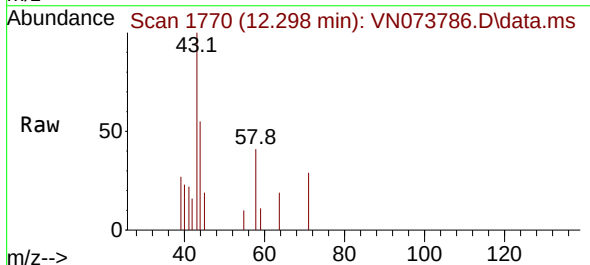
Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03



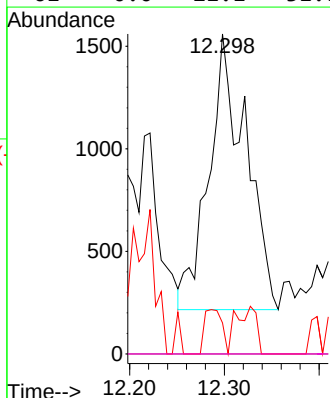
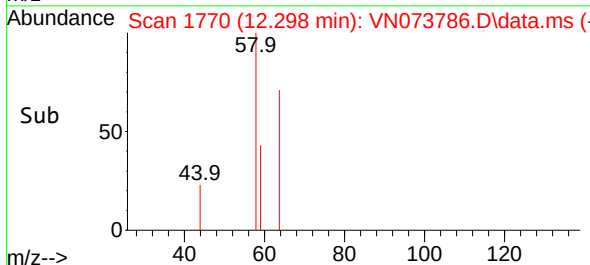
Tgt Ion:152 Resp: 283491
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 156.8 0.0 356.2

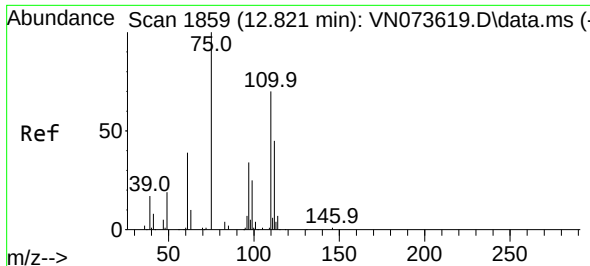


#74
N-ethyl acetate
Concen: 0.465 ug/l
RT: 12.298 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47



Tgt Ion: 43 Resp: 3646
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 7.6 21.1 31.7#
61 0.0 21.1 31.7#

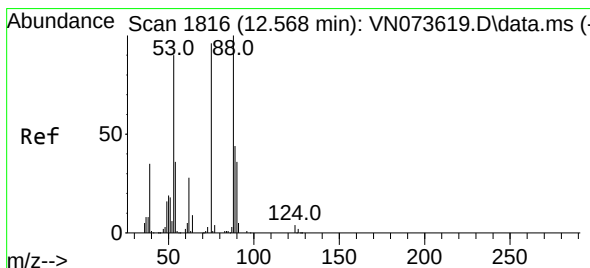
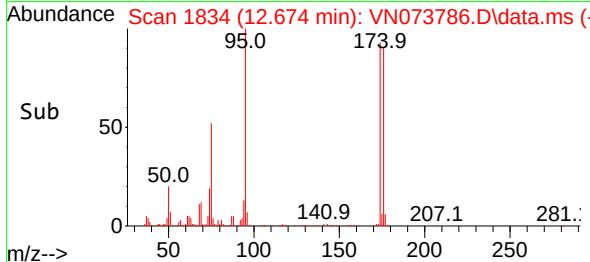
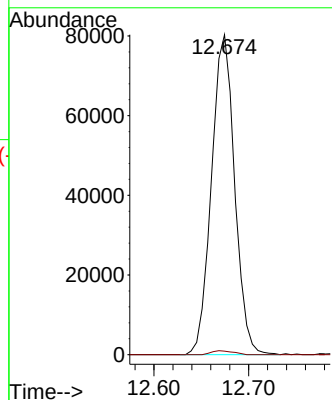
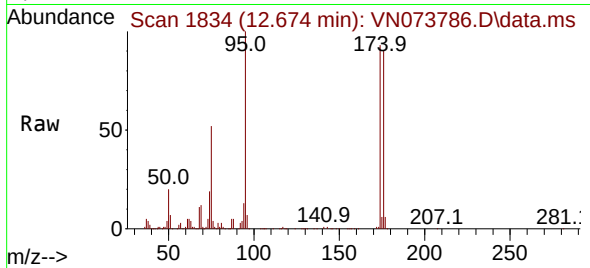




#76
1,2,3-Trichloropropane
Concen: 24.620 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Instrument :
MSVOA_N
ClientSampleId :
PB146833ZHE#03

Tgt Ion: 75 Resp: 136358
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.334 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073786.D
Acq: 09 Aug 2022 13:47

Tgt Ion: 75 Resp: 136358
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

