

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075895.D
 Acq On : 20 Dec 2022 13:47
 Operator : JC\MD
 Sample : PB149742TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149742TB

Quant Time: Dec 21 01:27:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

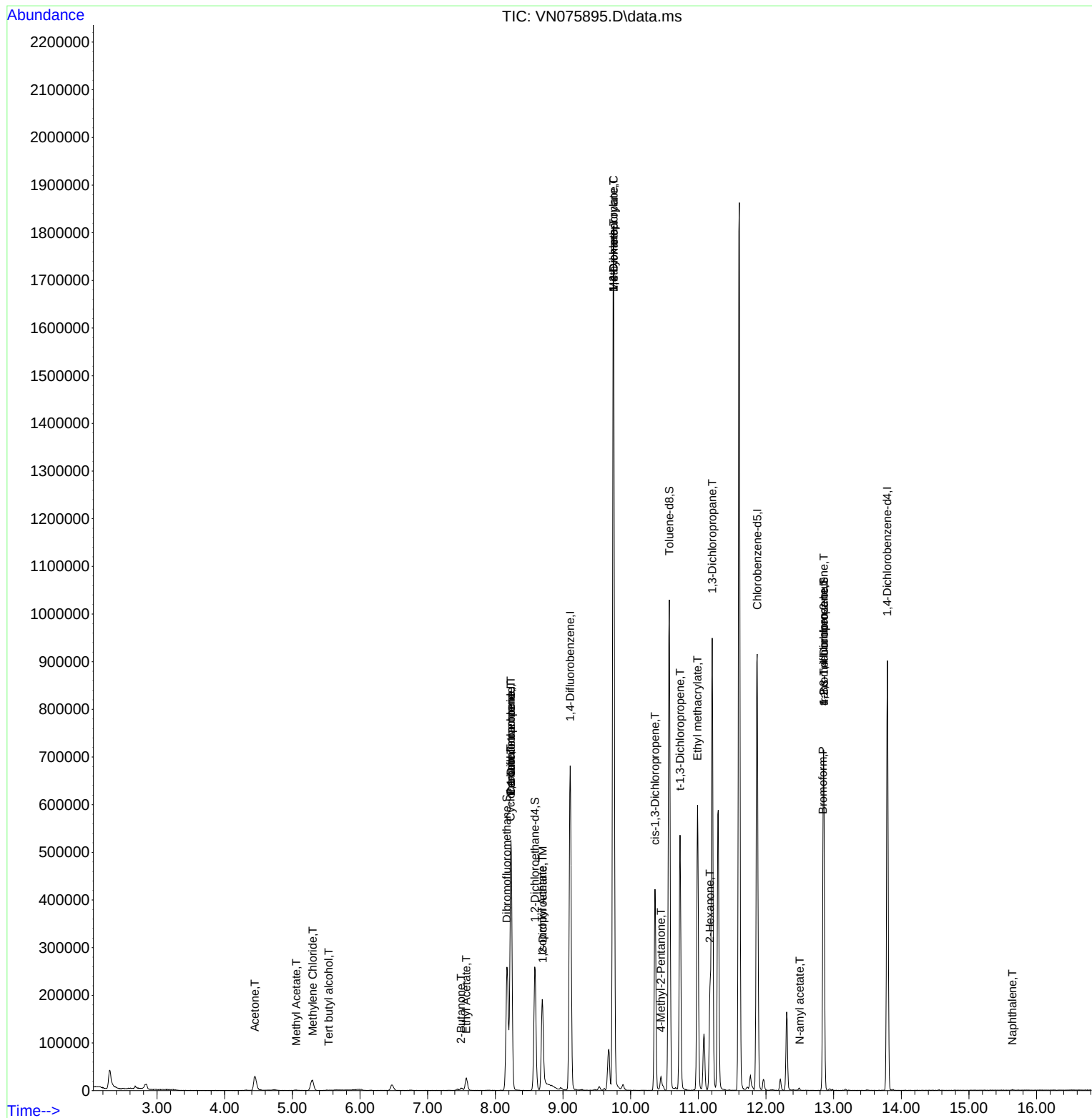
Internal Standards						
1) Pentafluorobenzene	8.229	168	413870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	642533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	570035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	204450	45.408	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.820%		
35) Dibromofluoromethane	8.171	113	187841	47.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.420%		
50) Toluene-d8	10.570	98	740342	49.763	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.853	95	243073	49.329	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.660%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.535	59	131	0.206	ug/l #	72
16) Acetone	4.447	43	57637	37.135	ug/l	98
18) Methyl Acetate	5.059	43	2097	0.457	ug/l #	82
20) Methylene Chloride	5.300	84	19078	4.006	ug/l	99
25) 2-Butanone	7.494	43	8263	3.802	ug/l #	86
31) Cyclohexane	8.224	56	7652	1.187	ug/l #	36
36) 1,1-Dichloropropene	8.229	75	29011	5.488	ug/l #	49
37) Ethyl Acetate	7.571	43	38690	9.112	ug/l	96
38) Carbon Tetrachloride	8.229	117	40012	6.763	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	1449	0.267	ug/l #	72
43) Isopropyl Acetate	8.694	43	225320	32.171	ug/l #	84
45) 1,2-Dichloropropane	9.747	63	2631	0.663	ug/l #	43
48) Methyl methacrylate	9.747	41	154833	49.084	ug/l #	34
49) 1,4-Dioxane	9.747	88	126	1.625	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	23851	5.631	ug/l #	81
53) t-1,3-Dichloropropene	10.729	75	1481	0.262	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	84130	13.561	ug/l #	63
56) Ethyl methacrylate	10.988	69	1670	0.302	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10887	1.592	ug/l #	42
59) 2-Hexanone	11.170	43	160986	52.118	ug/l #	20
71) Bromoform	12.841	173	1518	0.481	ug/l #	1
74) N-amyl acetate	12.500	43	2626	0.493	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	124539	24.580	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	124539	88.477	ug/l #	12
95) Naphthalene	15.641	128	1795	2.303	ug/l #	79

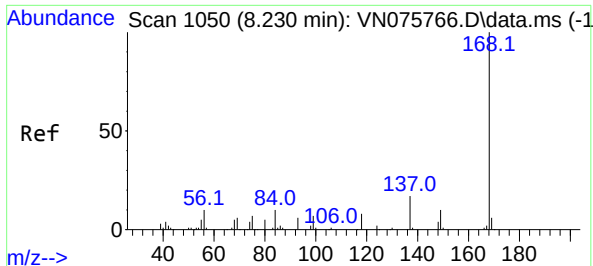
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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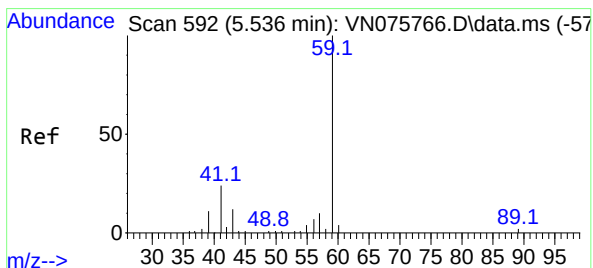
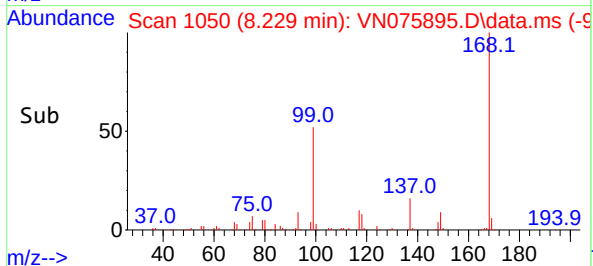
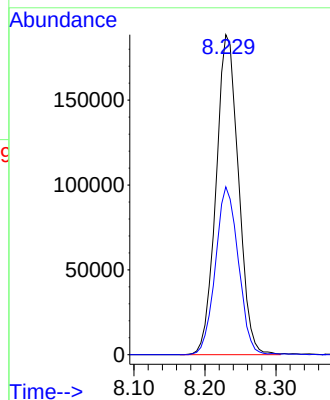
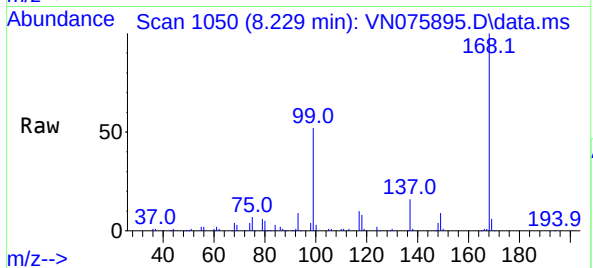




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

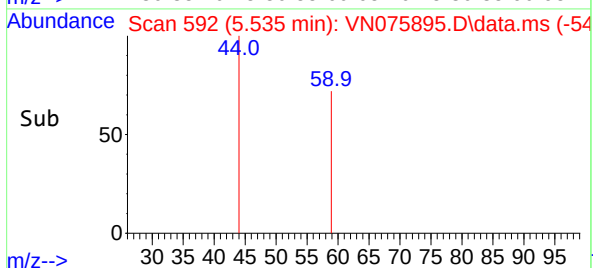
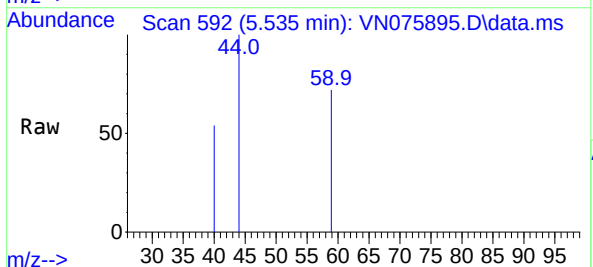
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

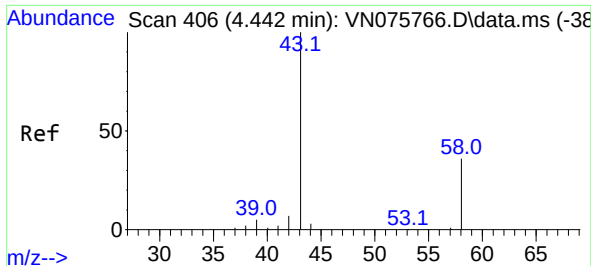
Tgt Ion:168 Resp: 413870
Ion Ratio Lower Upper
168 100
99 52.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 5.535 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

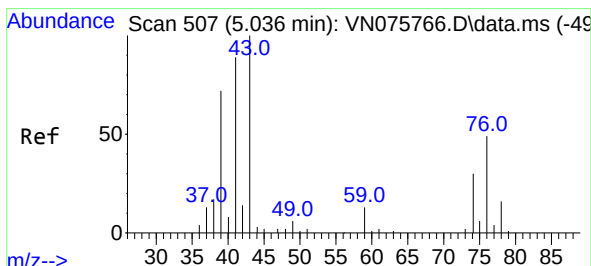
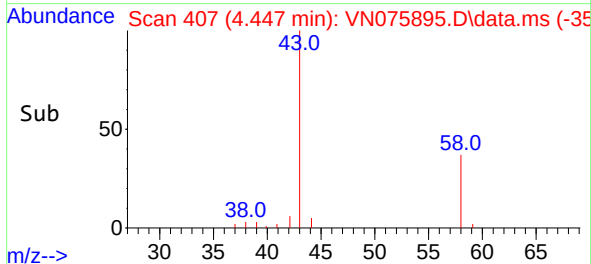
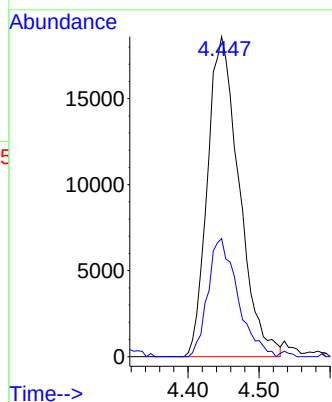
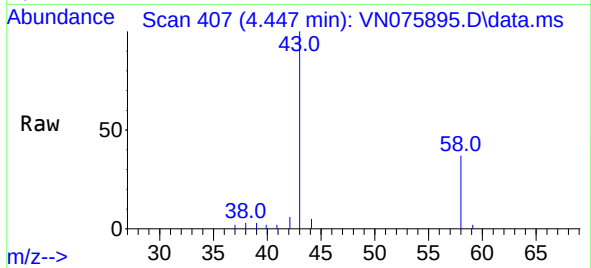




#16
Acetone
Concen: 37.135 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

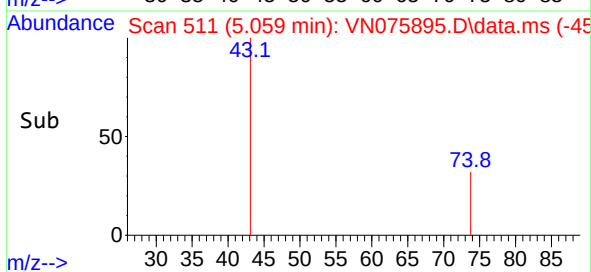
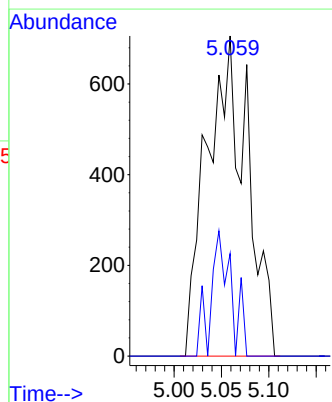
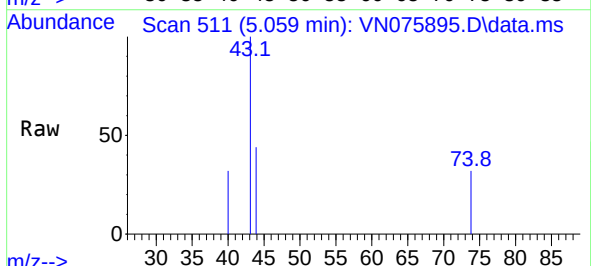
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

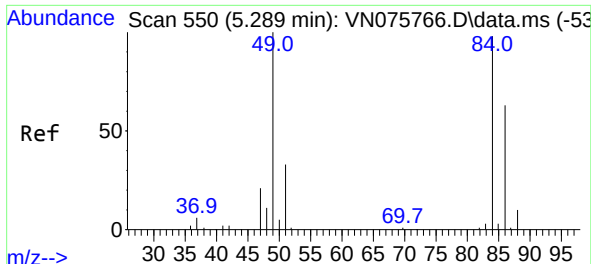
Tgt Ion: 43 Resp: 57637
Ion Ratio Lower Upper
43 100
58 36.9 28.6 43.0



#18
Methyl Acetate
Concen: 0.457 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 43 Resp: 2097
Ion Ratio Lower Upper
43 100
74 19.8 23.6 35.4#



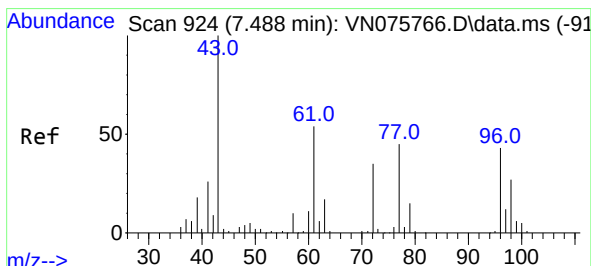
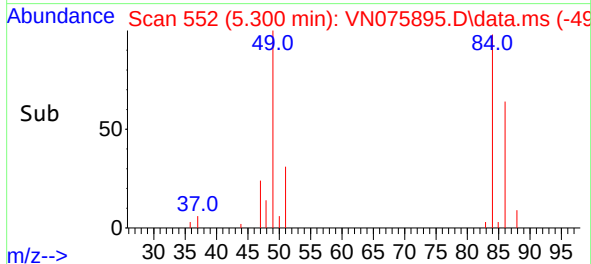
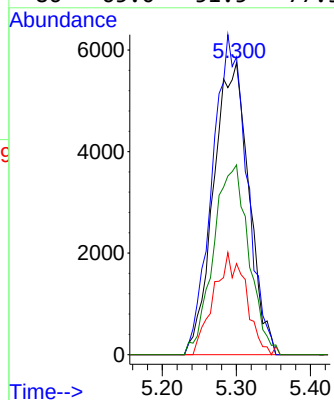
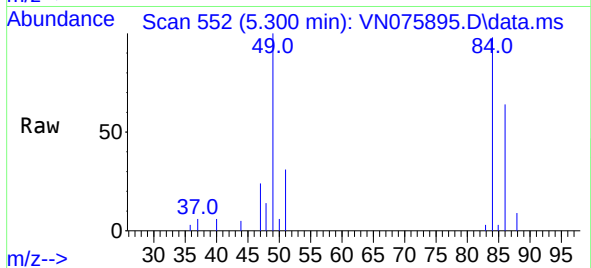


#20
Methylene Chloride
Concen: 4.006 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

Tgt Ion: 84 Resp: 19078

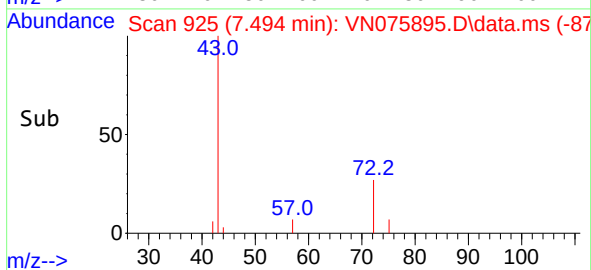
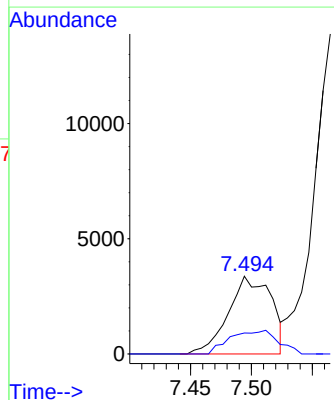
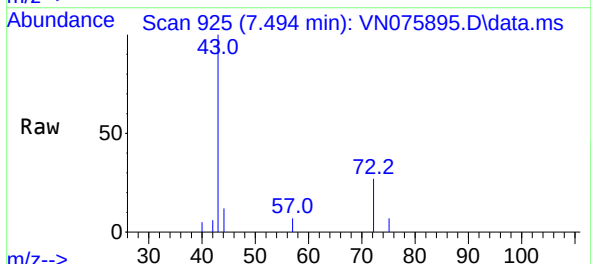
Ion	Ratio	Lower	Upper
84	100		
49	101.9	81.8	122.6
51	31.2	26.7	40.1
86	65.0	51.5	77.3

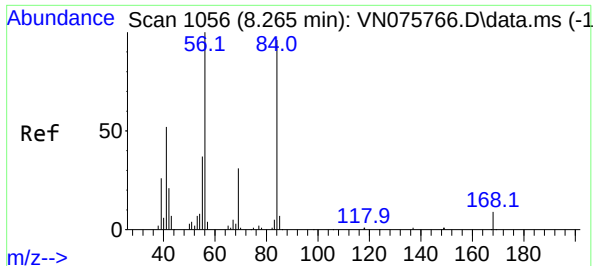


#25
2-Butanone
Concen: 3.802 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 43 Resp: 8263

Ion	Ratio	Lower	Upper
43	100		
72	27.0	28.0	42.0#





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN075895.D

Acq: 20 Dec 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

PB149742TB

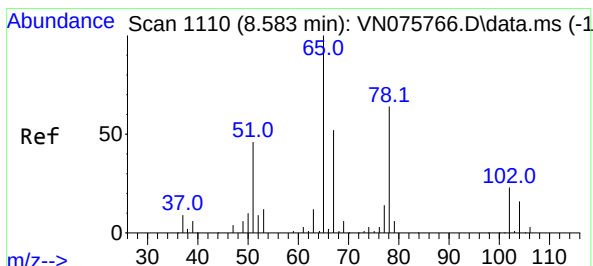
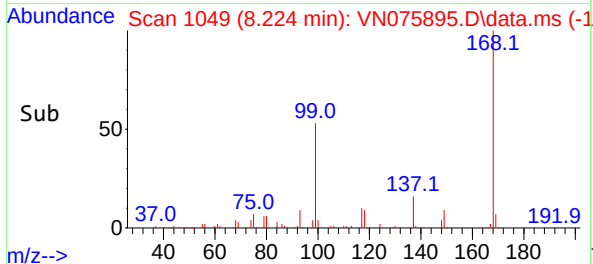
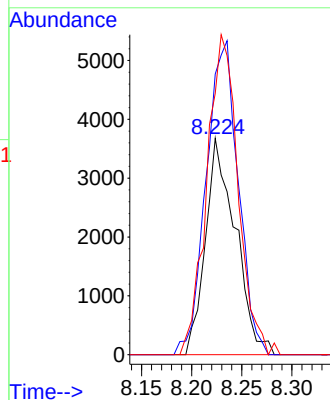
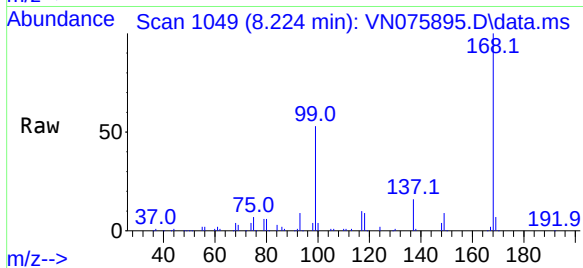
Tgt Ion: 56 Resp: 7652

Ion Ratio Lower Upper

56 100

69 129.7 24.7 37.1#

84 120.8 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 45.408 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075895.D

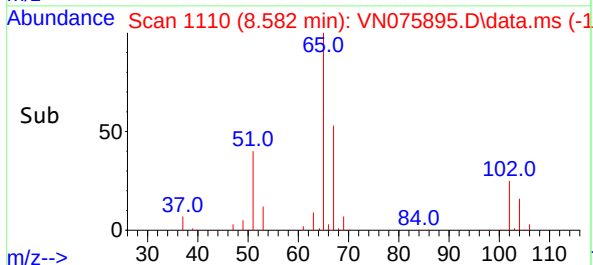
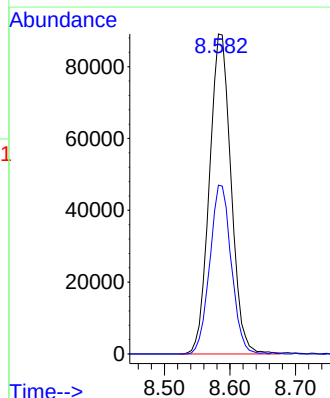
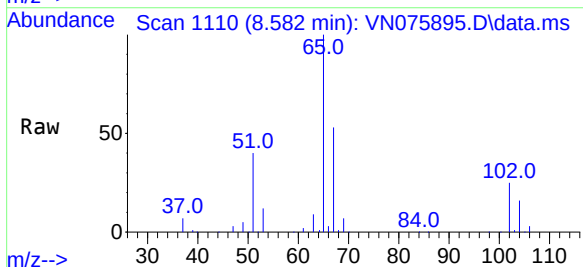
Acq: 20 Dec 2022 13:47

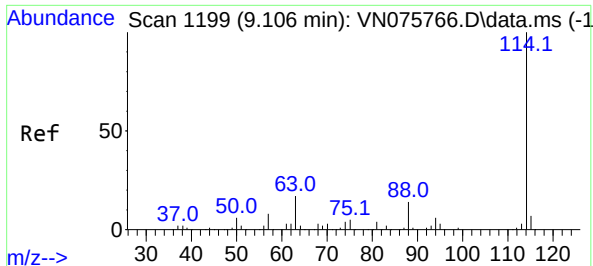
Tgt Ion: 65 Resp: 204450

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



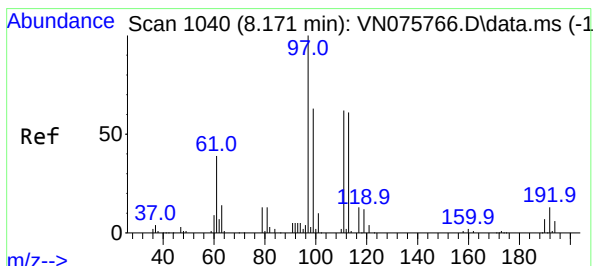
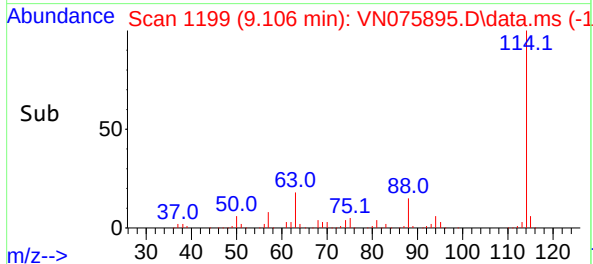
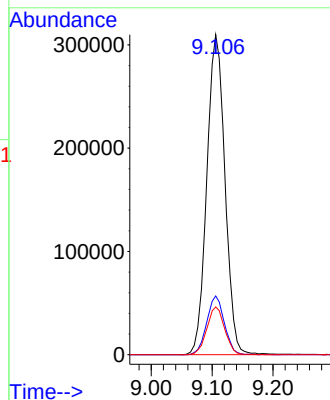
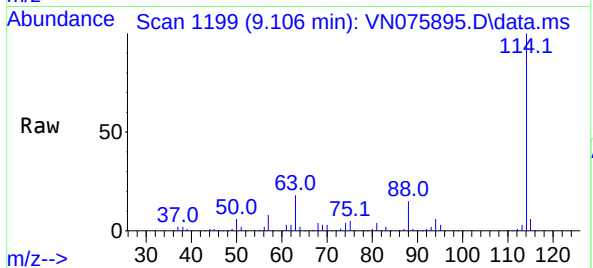


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

Tgt Ion:114 Resp: 642533

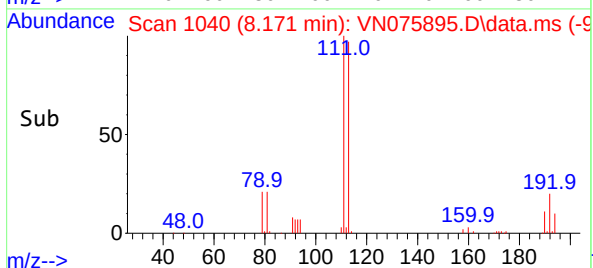
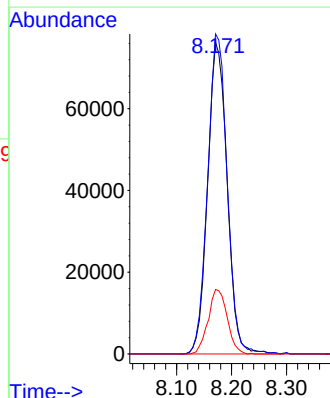
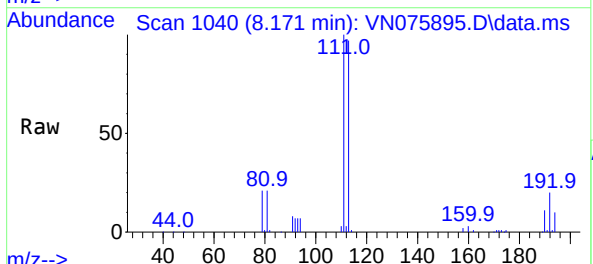
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	34.4
88	14.9	0.0	28.8

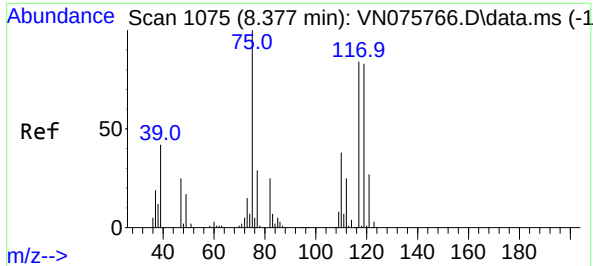


#35
Dibromofluoromethane
Concen: 47.207 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion:113 Resp: 187841

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.4	125.2
192	20.3	16.1	24.1

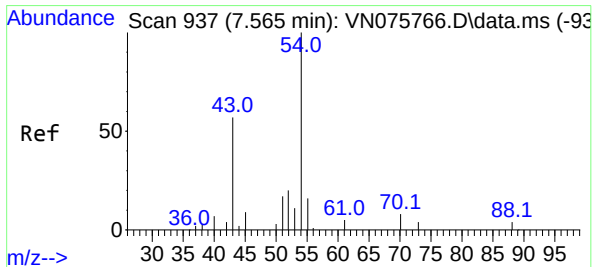
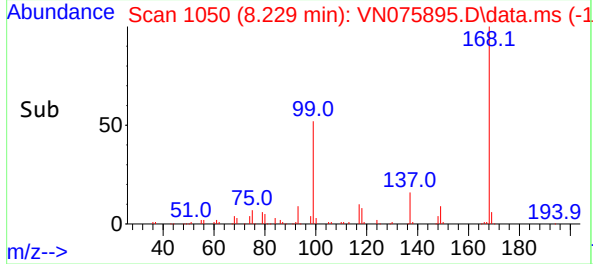
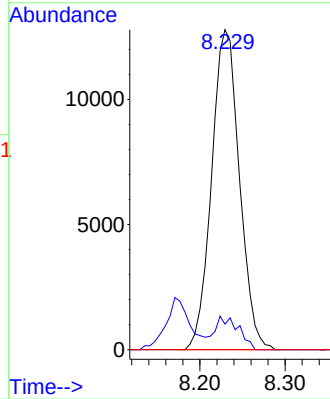
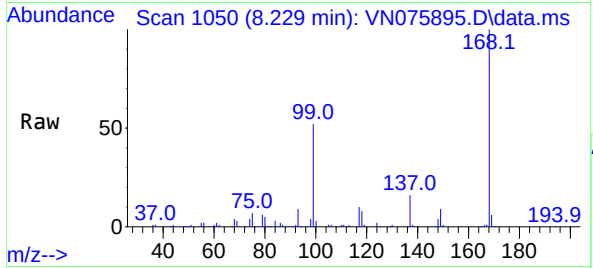




#36
1,1-Dichloropropene
Concen: 5.488 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

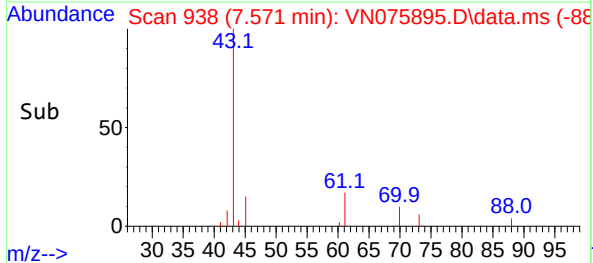
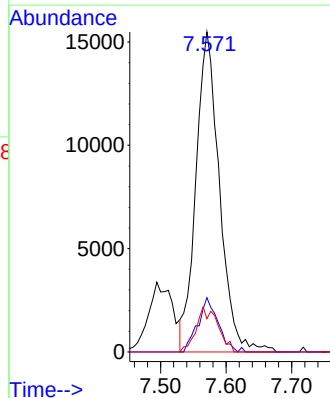
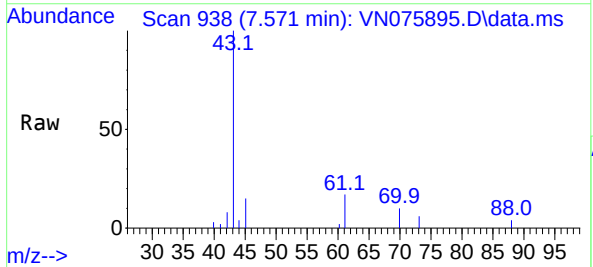
Instrument : MSVOA_N
ClientSampleId : PB149742TB

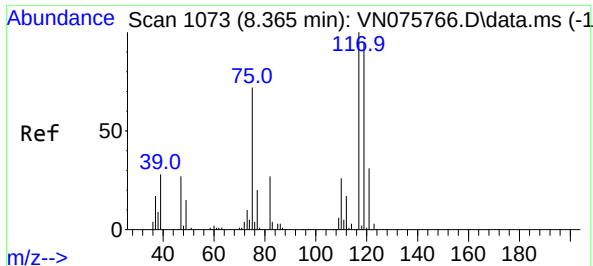
Tgt Ion:	75	Resp:	29011
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.8	56.4#
77	0.0	24.1	36.1#



#37
Ethyl Acetate
Concen: 9.112 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion:	43	Resp:	38690
Ion	Ratio	Lower	Upper
43	100		
61	14.4	13.0	19.4
70	12.9	9.4	14.0





#38

Carbon Tetrachloride

Concen: 6.763 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN075895.D

Acq: 20 Dec 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

PB149742TB

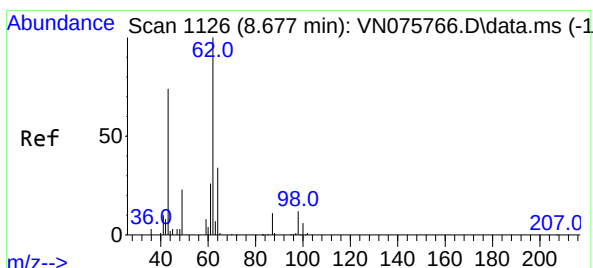
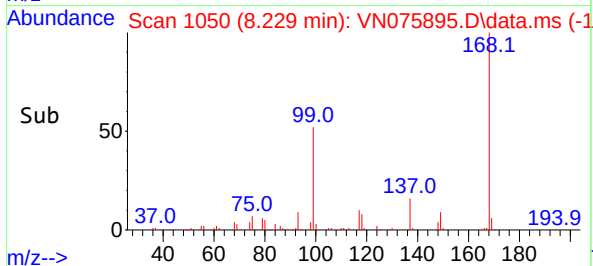
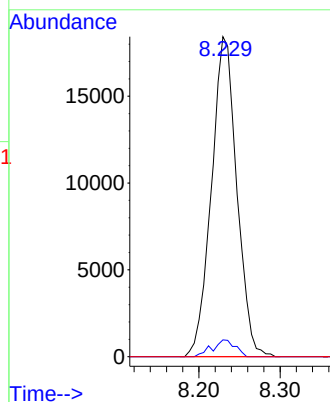
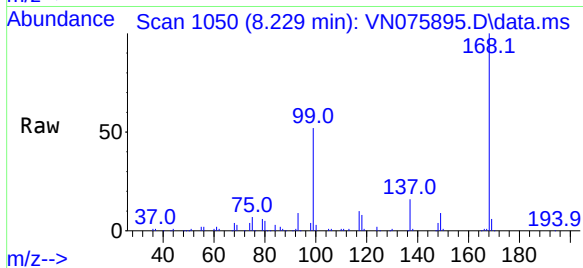
Tgt Ion:117 Resp: 40012

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.5 36.7#



#42

1,2-Dichloroethane

Concen: 0.267 ug/l

RT: 8.700 min Scan# 1130

Delta R.T. 0.023 min

Lab File: VN075895.D

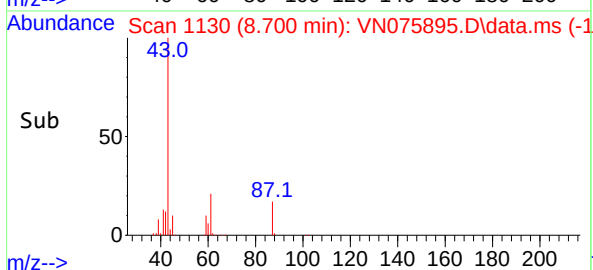
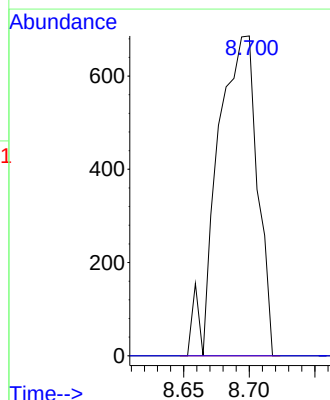
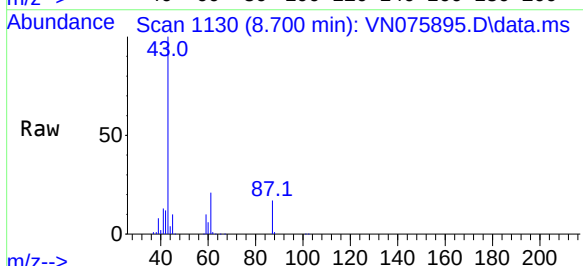
Acq: 20 Dec 2022 13:47

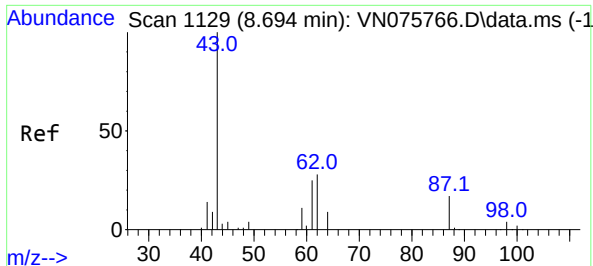
Tgt Ion: 62 Resp: 1449

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8

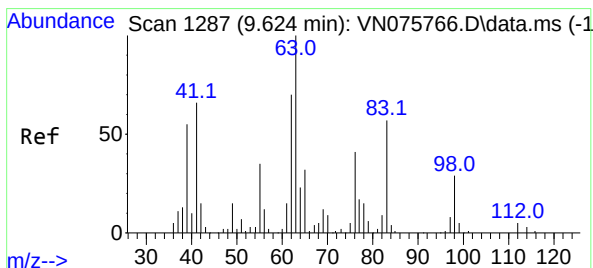
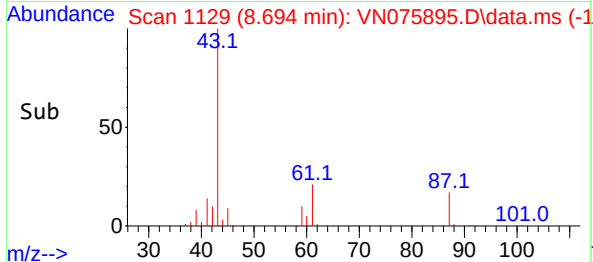
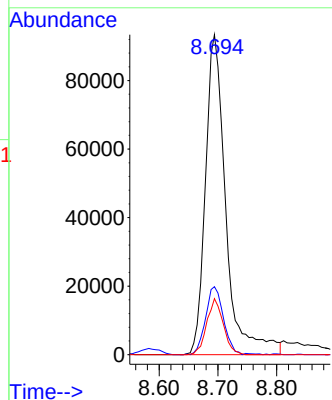
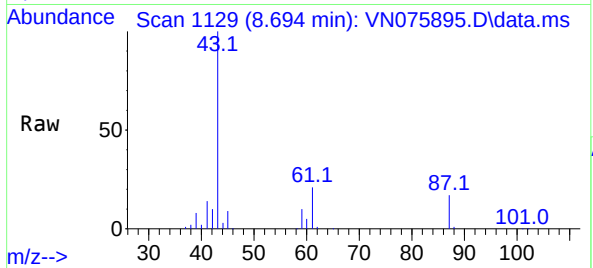




#43
Isopropyl Acetate
Concen: 32.171 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

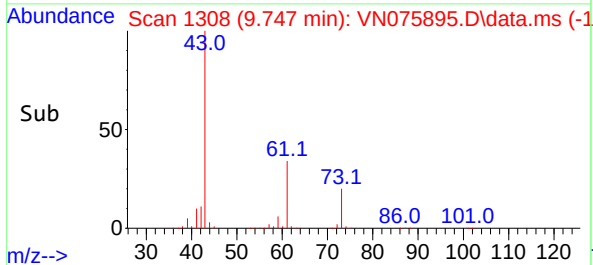
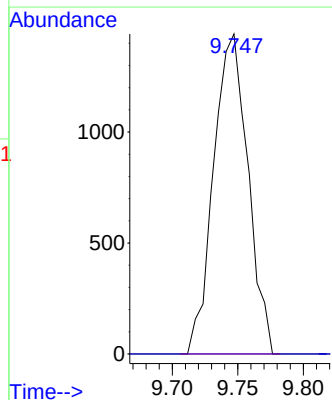
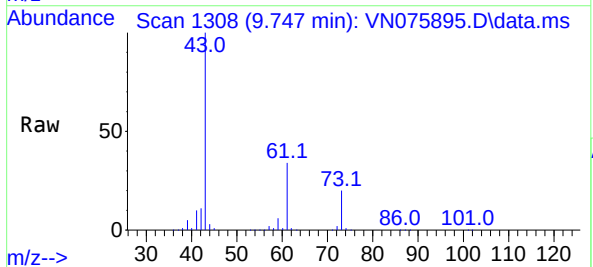
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

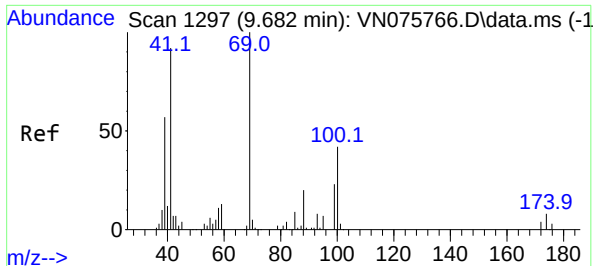
Tgt Ion: 43 Resp: 225320
Ion Ratio Lower Upper
43 100
61 18.7 24.2 36.4#
87 14.2 13.3 19.9



#45
1,2-Dichloropropane
Concen: 0.663 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 63 Resp: 2631
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 49.084 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN075895.D

Acq: 20 Dec 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

PB149742TB

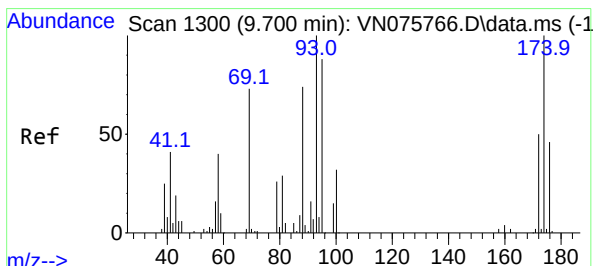
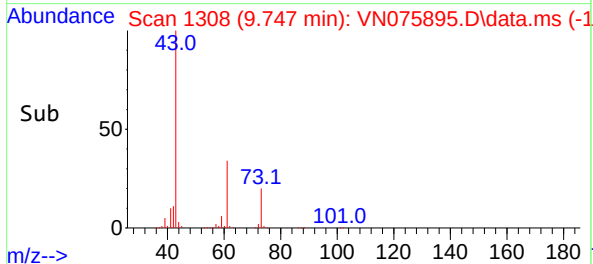
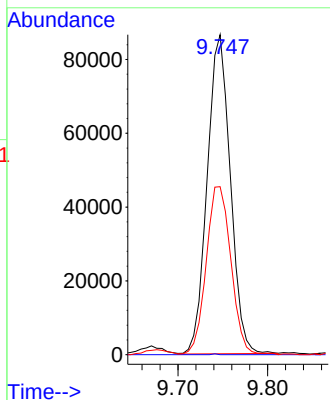
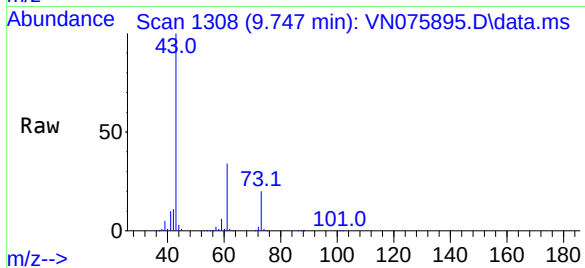
Tgt Ion: 41 Resp: 154833

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 56.4 51.6 77.4



#49

1,4-Dioxane

Concen: 1.625 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN075895.D

Acq: 20 Dec 2022 13:47

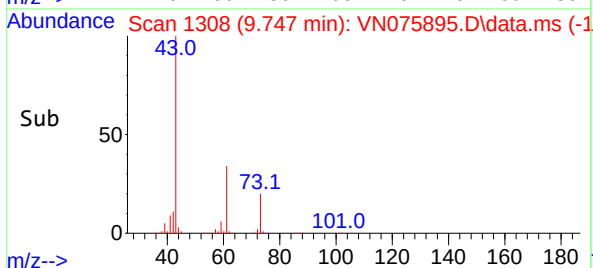
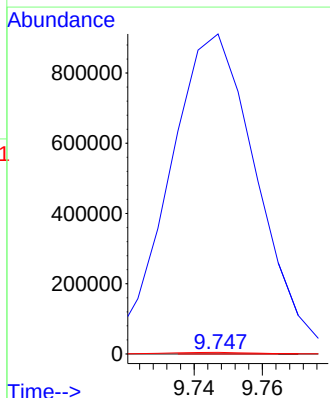
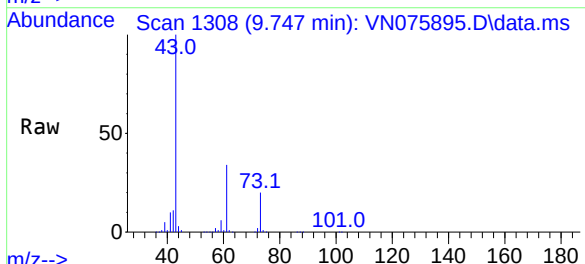
Tgt Ion: 88 Resp: 126

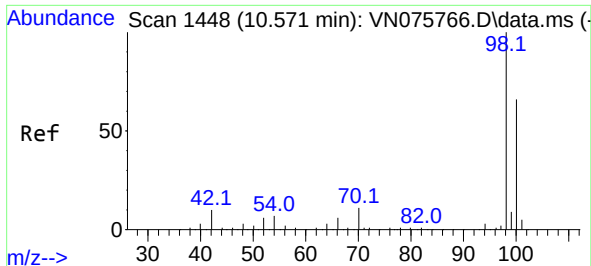
Ion Ratio Lower Upper

88 100

43 1316200.8 17.1 25.7#

58 6185.7 47.8 71.8#

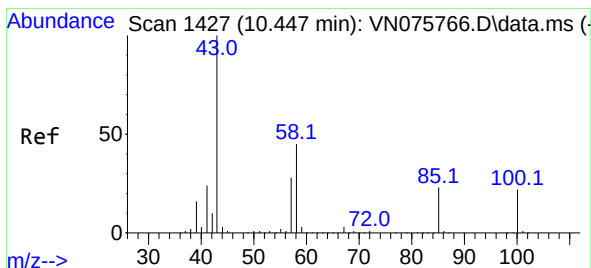
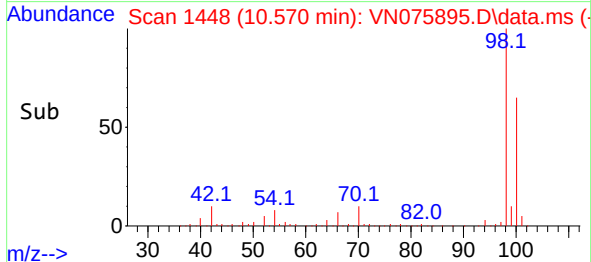
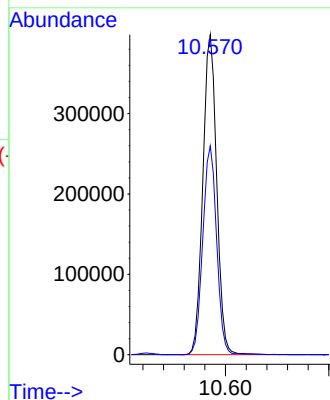
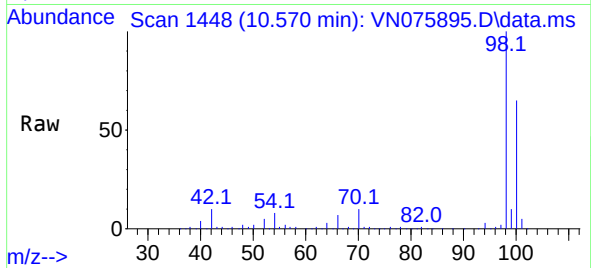




#50
Toluene-d8
Concen: 49.763 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

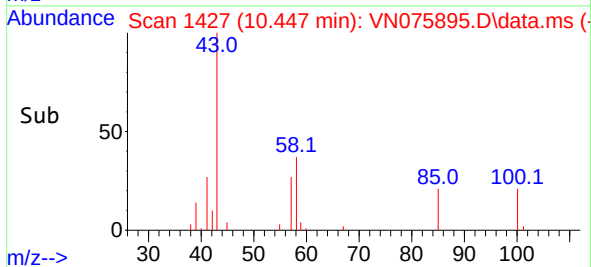
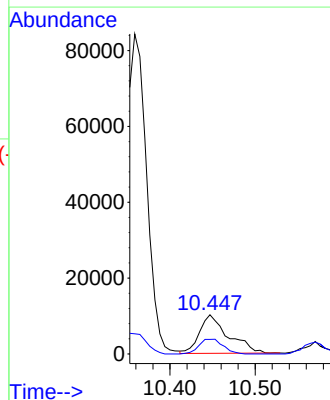
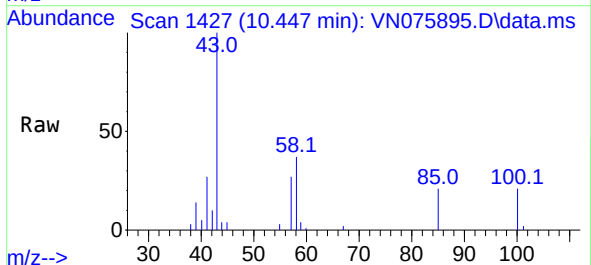
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

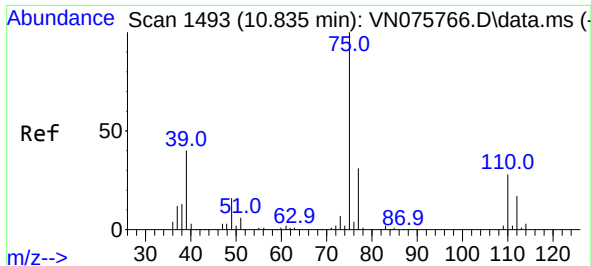
Tgt Ion: 98 Resp: 740342
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.631 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 43 Resp: 23851
Ion Ratio Lower Upper
43 100
58 32.3 35.5 53.3#

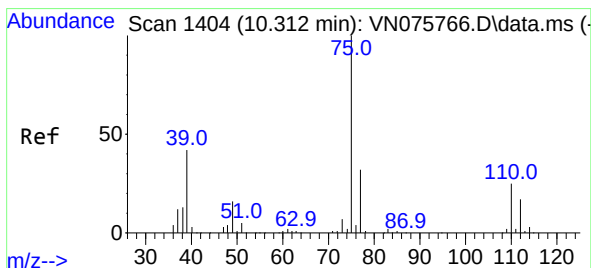
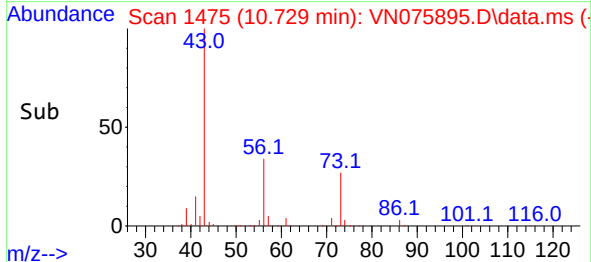
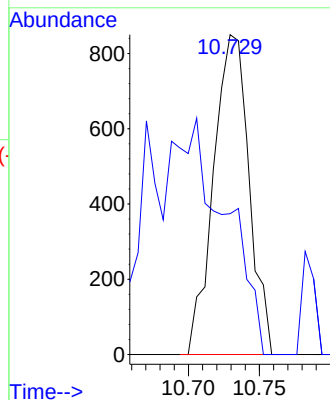
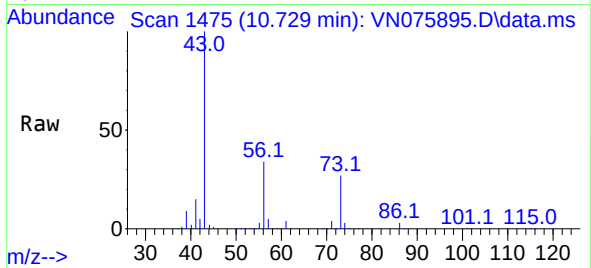




#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 10.729 min Scan# 1411
Delta R.T. -0.106 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

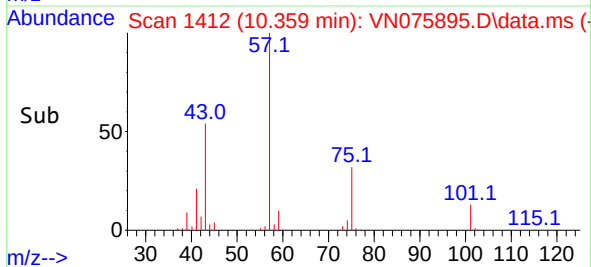
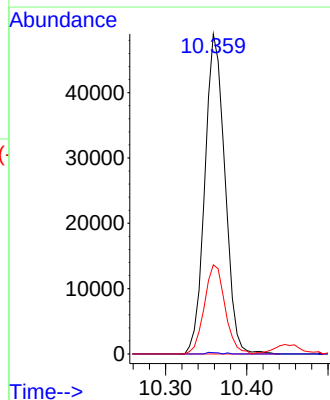
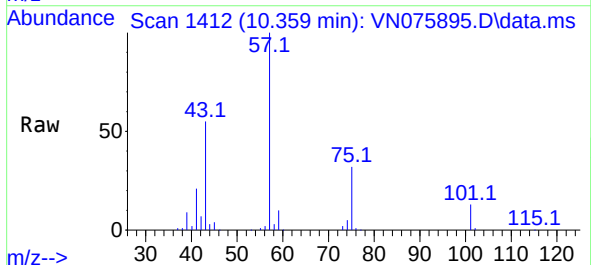
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

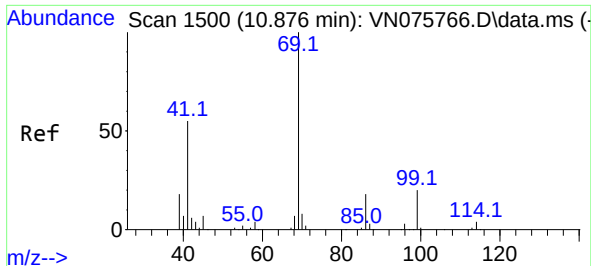
Tgt Ion: 75 Resp: 1481
Ion Ratio Lower Upper
75 100
77 44.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.561 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 75 Resp: 84130
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 27.8 33.4 50.2#

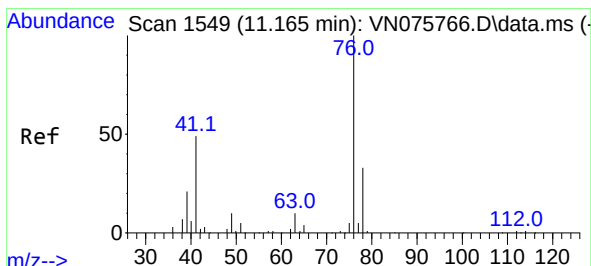
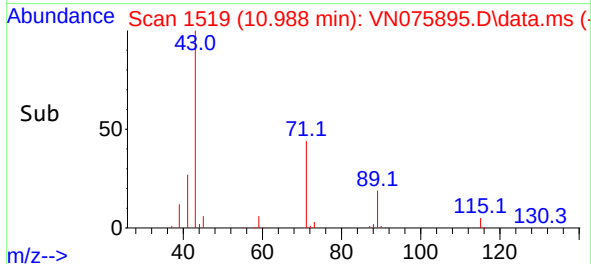
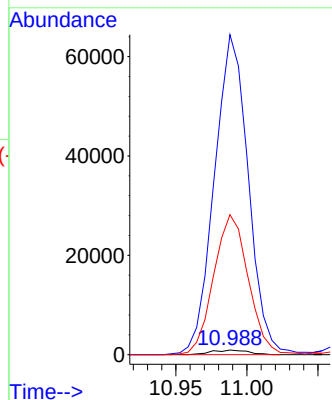
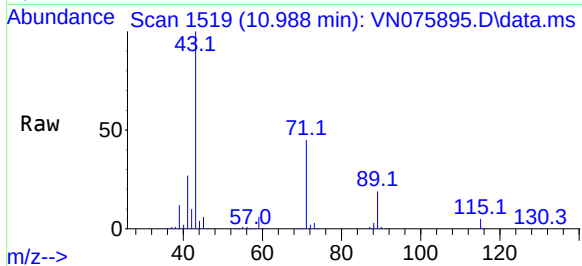




#56
Ethyl methacrylate
Concen: 0.302 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

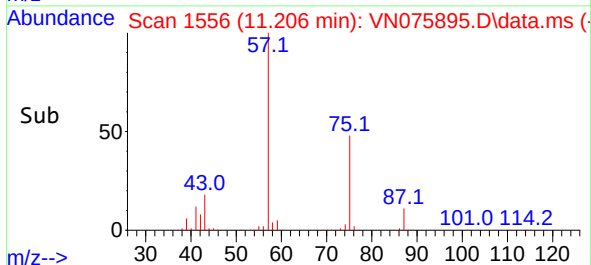
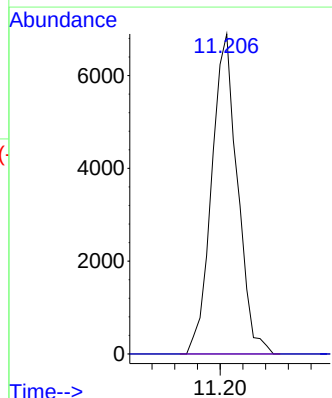
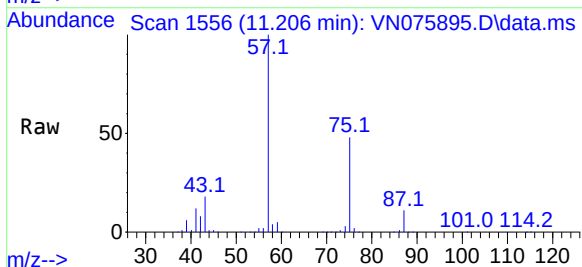
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

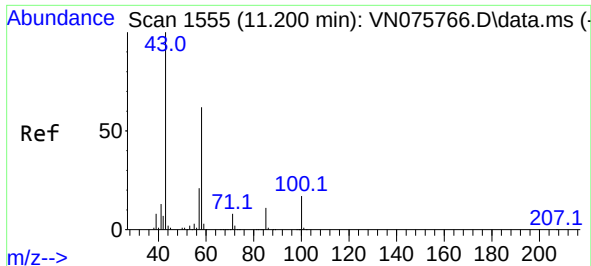
Tgt Ion: 69 Resp: 1670
Ion Ratio Lower Upper
69 100
41 6437.1 44.2 66.4#
39 2863.1 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.592 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 76 Resp: 10887
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

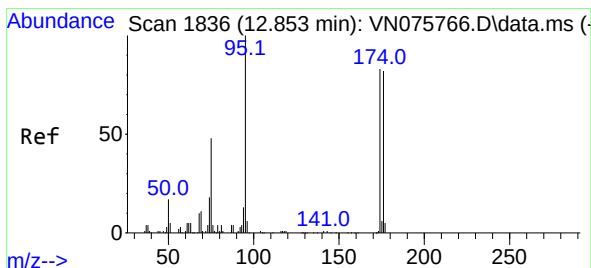
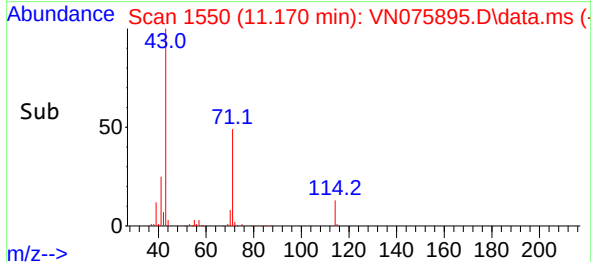
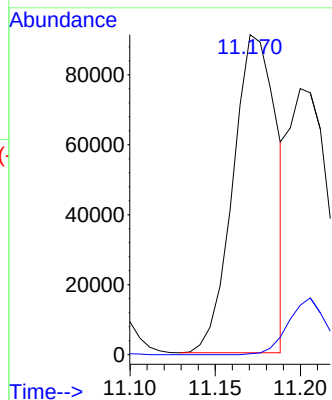
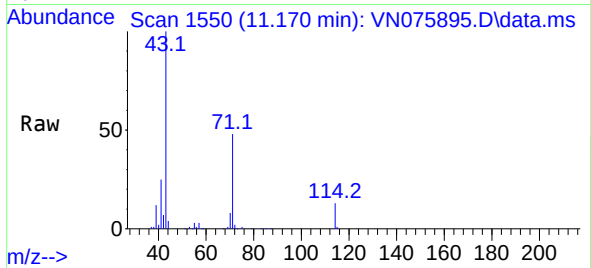




#59
2-Hexanone
Concen: 52.118 ug/l
RT: 11.170 min Scan# 1150
Delta R.T. -0.030 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

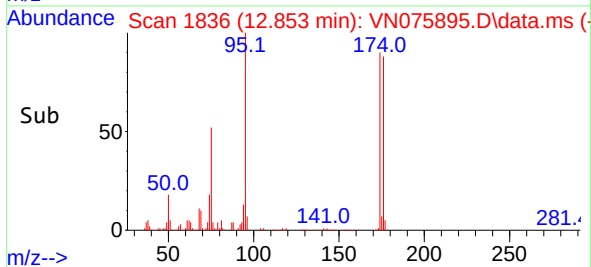
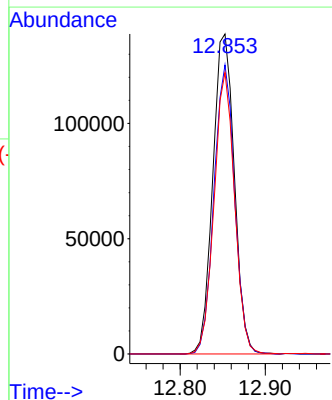
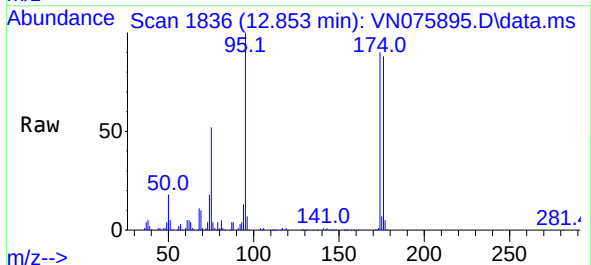
Instrument :
MSVOA_N
ClientSampleId :
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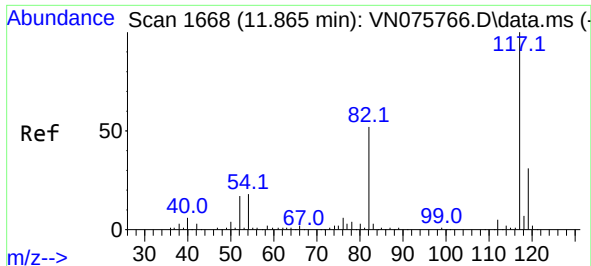
Tgt Ion: 43 Resp: 160986
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 49.329 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 95 Resp: 243073
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 83.8 0.0 169.2

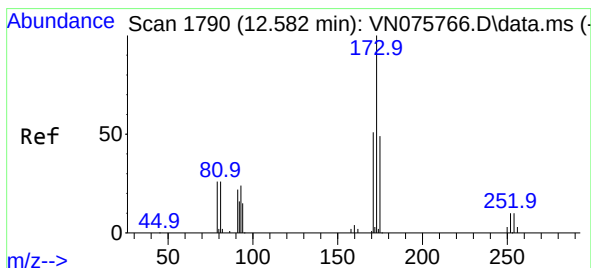
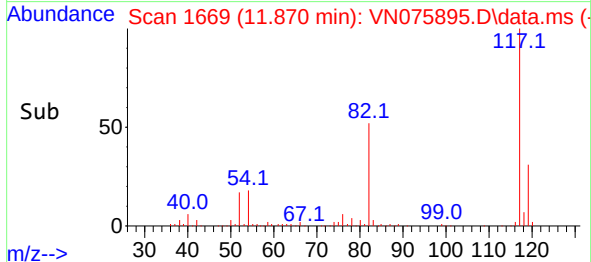
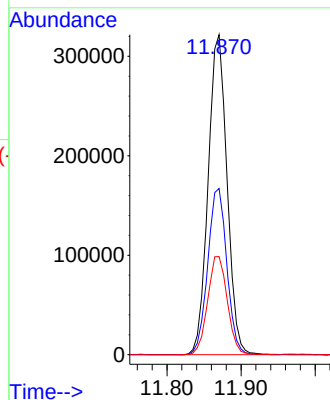
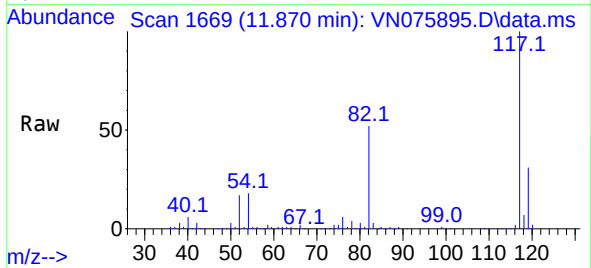




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

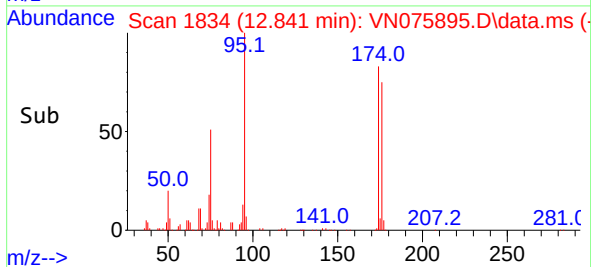
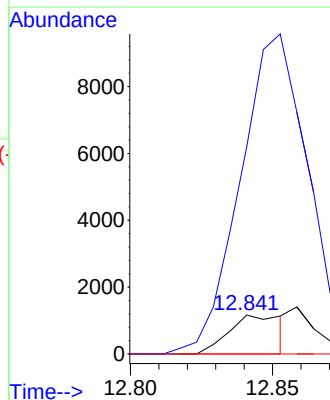
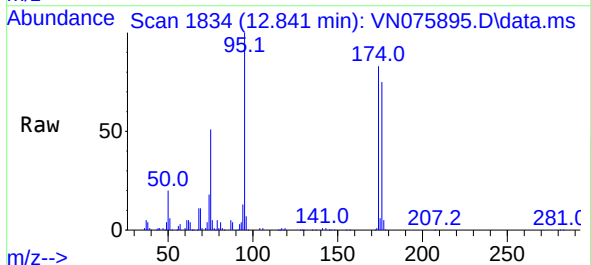
Instrument :
MSVOA_N
ClientSampleId :
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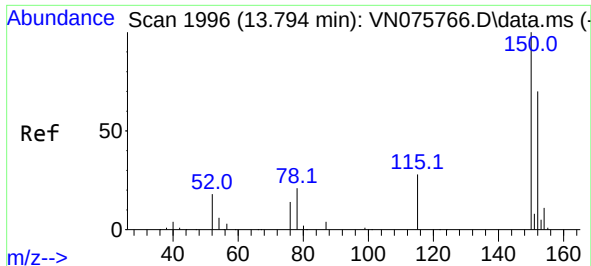
Tgt Ion:117 Resp: 570035
Ion Ratio Lower Upper
117 100
82 51.9 41.3 61.9
119 30.6 24.6 37.0



#71
Bromoform
Concen: 0.481 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion:173 Resp: 1518
Ion Ratio Lower Upper
173 100
175 877.1 24.3 72.8#
254 0.0 0.0 0.0

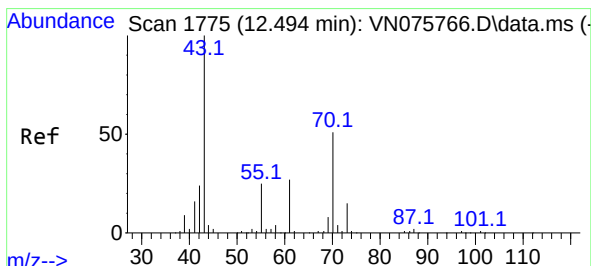
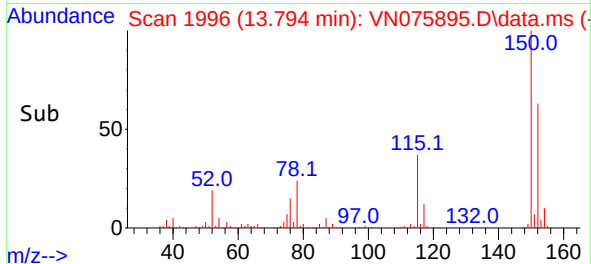
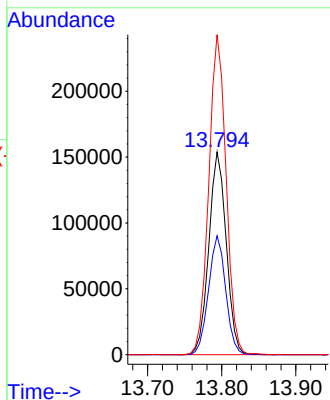
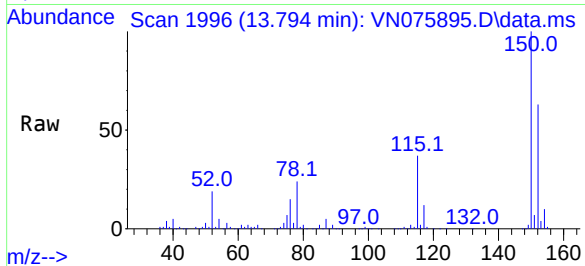




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

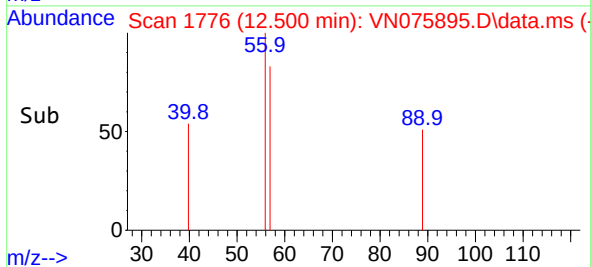
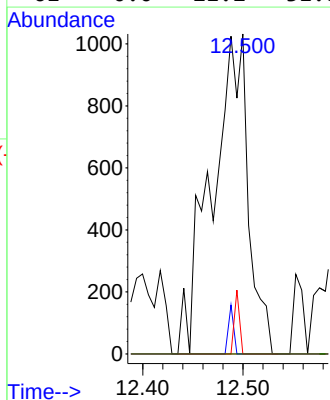
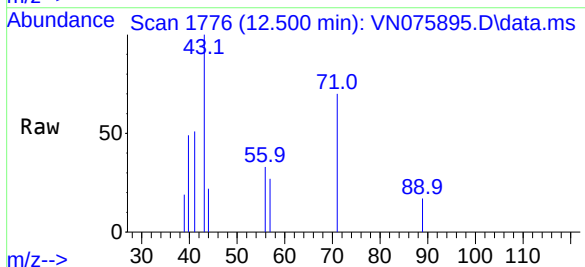
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

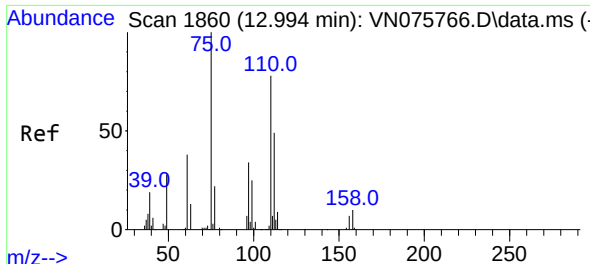
Tgt Ion:152 Resp: 251349
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.4
150 157.0 0.0 347.0



#74
N-ethyl acetate
Concen: 0.493 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 43 Resp: 2626
Ion Ratio Lower Upper
43 100
70 2.1 41.4 62.0#
55 2.8 21.3 31.9#
61 0.0 21.2 31.8#

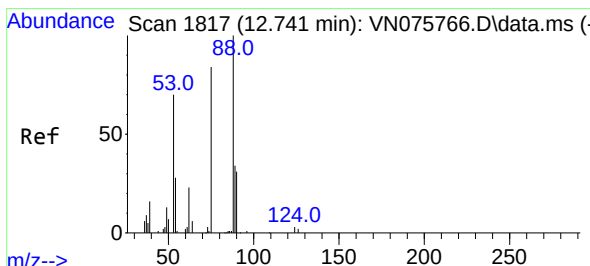
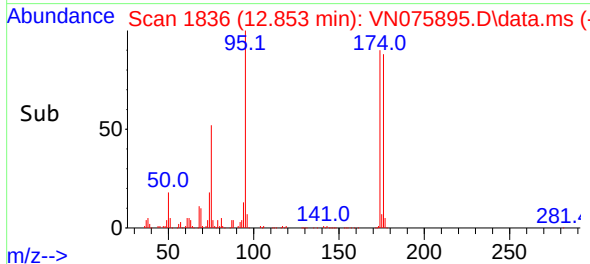
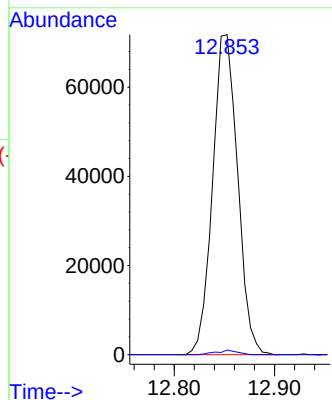
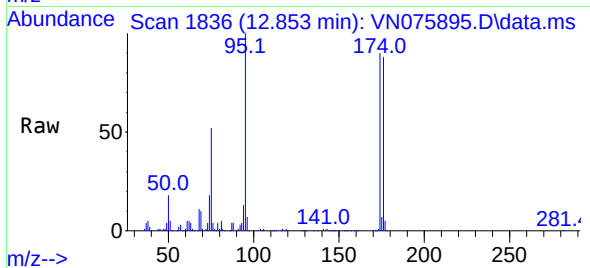




#76
1,2,3-Trichloropropane
Concen: 24.580 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

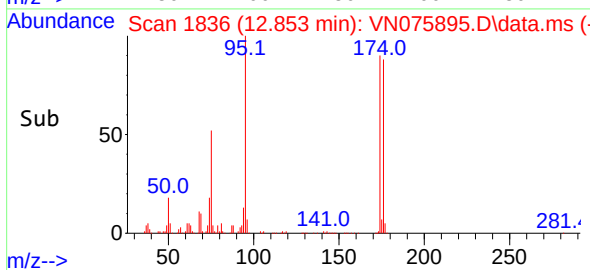
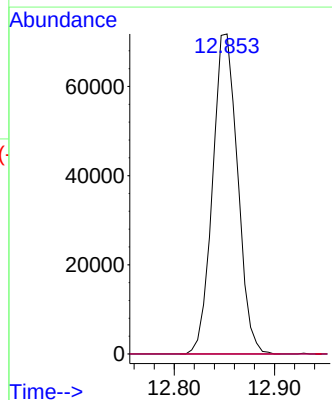
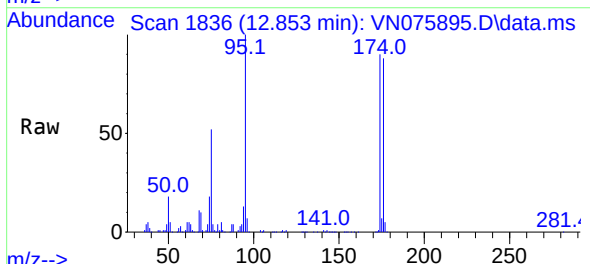
Instrument :
MSVOA_N
ClientSampleId :
PB149742TB

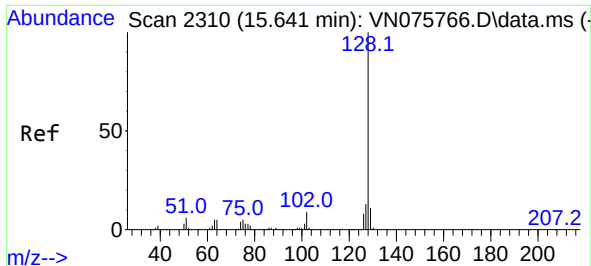
Tgt Ion: 75 Resp: 124539
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.477 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075895.D
Acq: 20 Dec 2022 13:47

Tgt Ion: 75 Resp: 124539
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.303 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN075895.D

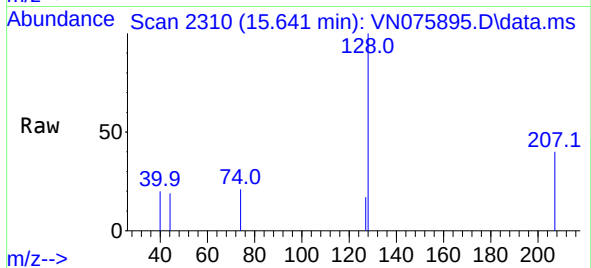
Acq: 20 Dec 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

PB149742TB



Tgt Ion:128 Resp: 1795

Ion Ratio Lower Upper

128 100

127 7.4 10.4 15.6#

129 0.0 8.7 13.1#

