

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075037.D
 Acq On : 27 Oct 2022 13:43
 Operator : JC\MD
 Sample : PB148573TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 28 02:14:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

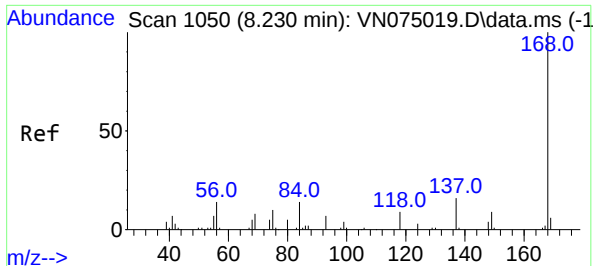
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	113717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	216615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	202818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	85214	55.615	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.240%
35) Dibromofluoromethane	8.177	113	65370	51.406	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.820%
50) Toluene-d8	10.571	98	272348	55.202	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.400%
62) 4-Bromofluorobenzene	12.853	95	84847	48.957	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.920%
Target Compounds						
					Qvalue	
5) Bromomethane	2.942	94	201	Below Cal	#	5
6) Chloroethane	2.842	64	20273	12.612	ug/l #	64
16) Acetone	4.448	43	12185	18.782	ug/l	93
18) Methyl Acetate	5.053	43	1007	0.475	ug/l #	58
20) Methylene Chloride	5.289	84	3773	2.608	ug/l #	84
25) 2-Butanone	7.500	43	1120	1.098	ug/l #	43
31) Cyclohexane	8.236	56	2606	1.144	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	10350	5.257	ug/l #	49
37) Ethyl Acetate	7.571	43	17269	7.998	ug/l	97
38) Carbon Tetrachloride	8.230	117	12219	5.642	ug/l #	17
43) Isopropyl Acetate	8.694	43	81185	24.242	ug/l #	87
45) 1,2-Dichloropropane	9.747	63	915	0.638	ug/l #	42
48) Methyl methacrylate	9.671	41	2387	1.554	ug/l #	35
51) 4-Methyl-2-Pentanone	10.359	43	58305	26.979	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	579	0.253	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	30416	12.553	ug/l #	66
56) Ethyl methacrylate	10.982	69	541	0.222	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4158	1.563	ug/l #	42
59) 2-Hexanone	11.171	43	61312	37.381	ug/l #	21
71) Bromoform	12.853	173	789	0.656	ug/l #	1
74) N-amyl acetate	12.494	43	659	0.285	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	48041	29.097	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	48041	74.692	ug/l #	10
95) Naphthalene	15.635	128	1130	0.255	ug/l #	69

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

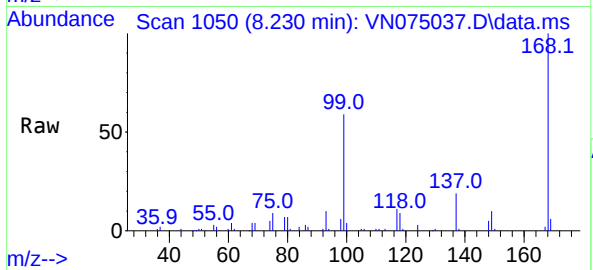
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



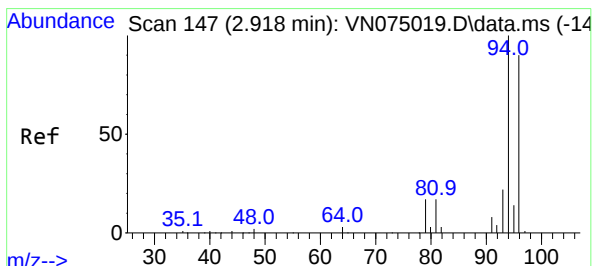
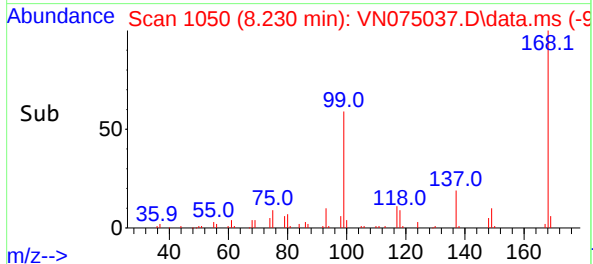
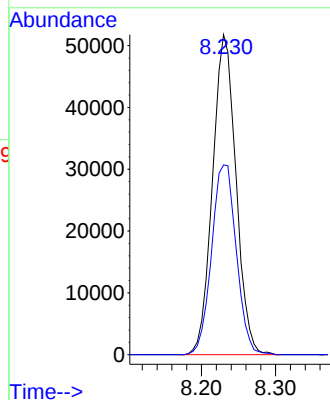


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :

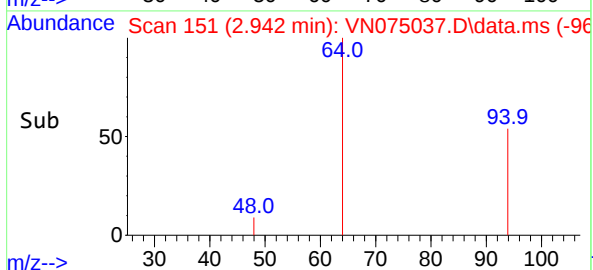
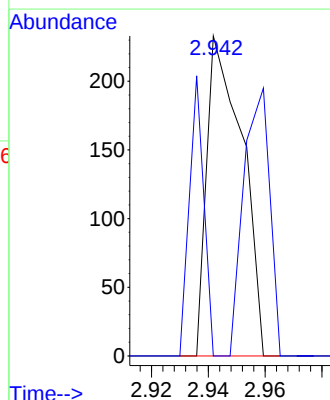
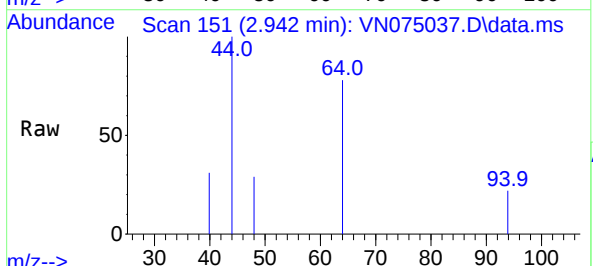


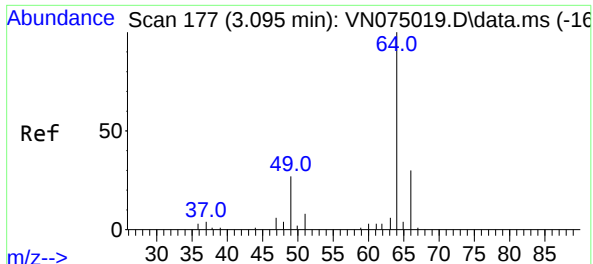
Tgt Ion:168 Resp: 113717
Ion Ratio Lower Upper
168 100
99 59.3 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 151
Delta R.T. 0.024 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

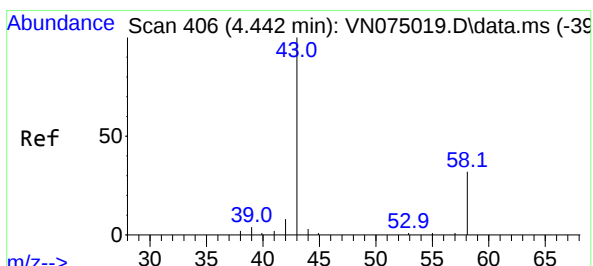
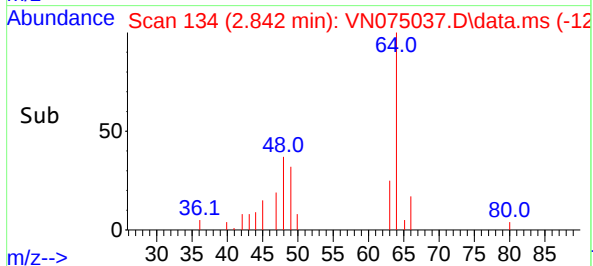
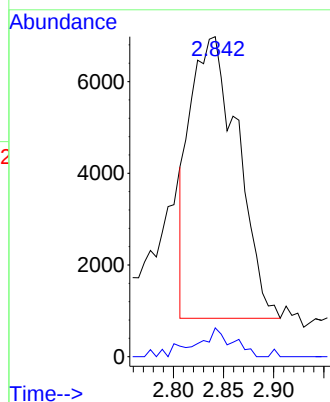
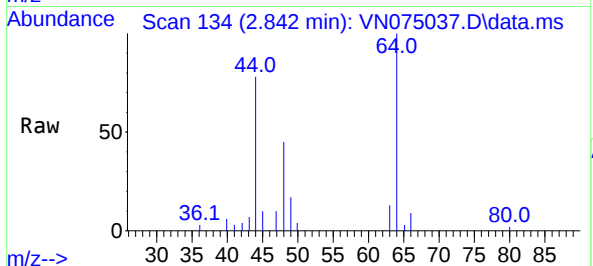




#6
Chloroethane
Concen: 12.612 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

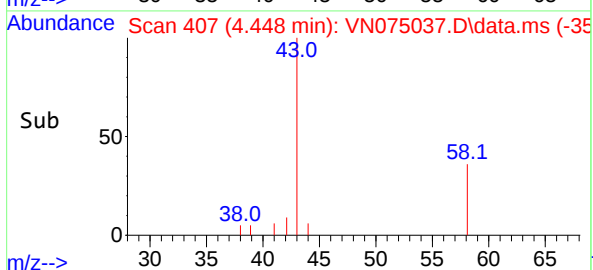
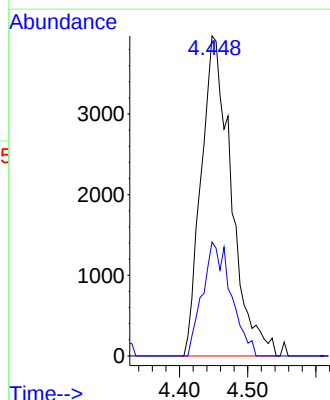
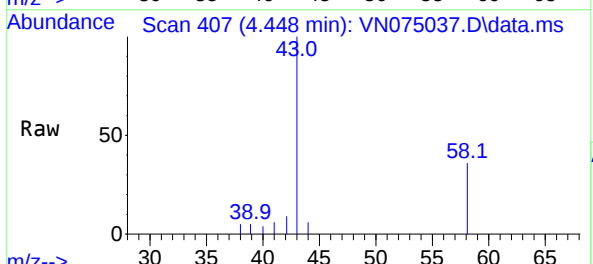
Instrument :
MSVOA_N
ClientSampleId :

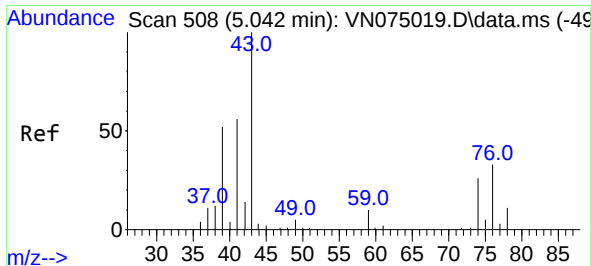
Tgt Ion: 64 Resp: 20273
Ion Ratio Lower Upper
64 100
66 10.2 23.8 35.8#



#16
Acetone
Concen: 18.782 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 43 Resp: 12185
Ion Ratio Lower Upper
43 100
58 35.6 25.5 38.3

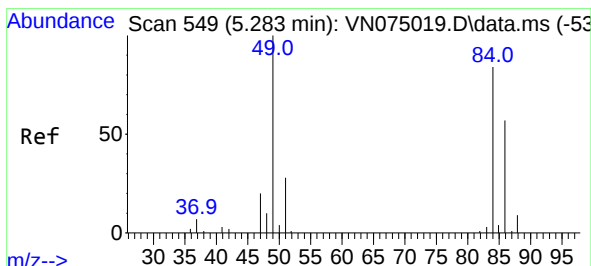
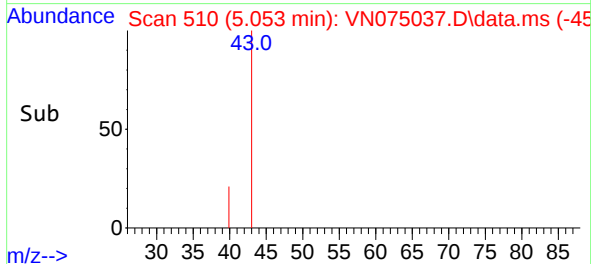
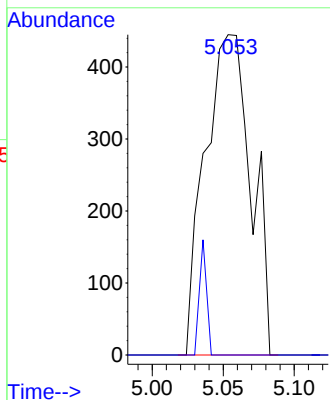
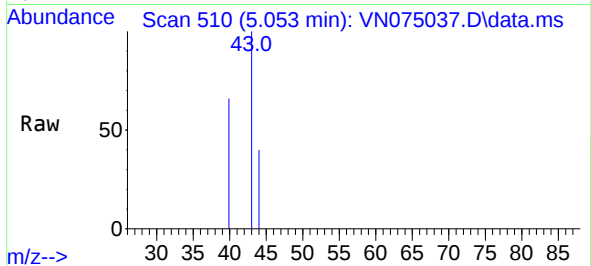




#18
Methyl Acetate
Concen: 0.475 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

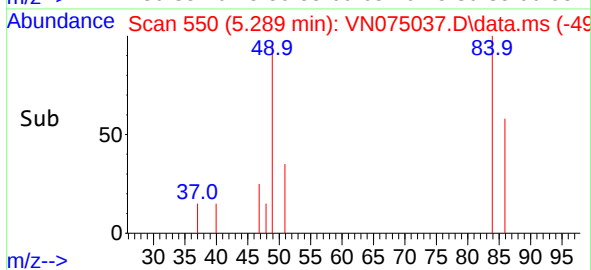
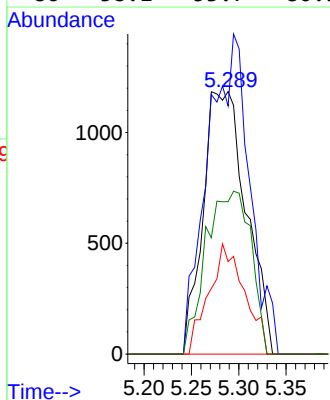
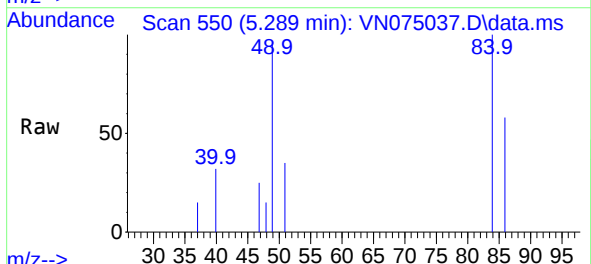
Instrument :
MSVOA_N
ClientSampleId :

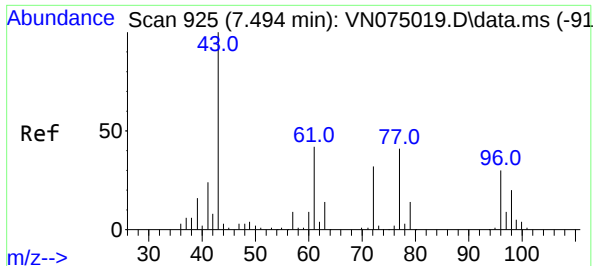
Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
74 5.6 22.0 33.0#



#20
Methylene Chloride
Concen: 2.608 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 84 Resp: 3773
Ion Ratio Lower Upper
84 100
49 94.5 94.9 142.3#
51 35.3 26.8 40.2
86 58.1 53.7 80.5

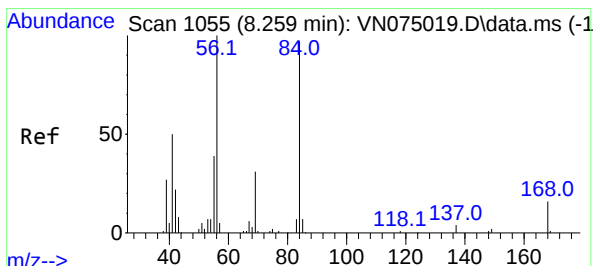
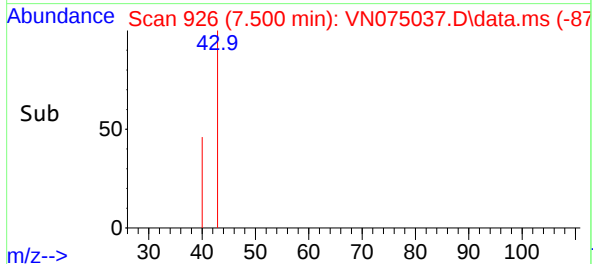
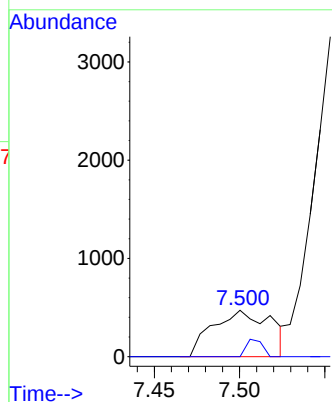
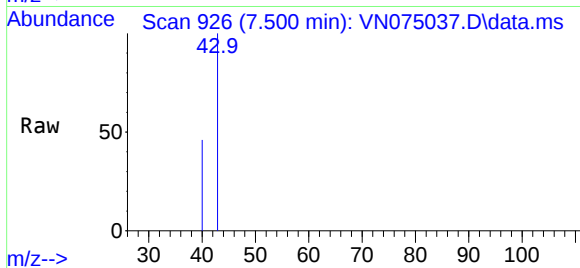




#25
2-Butanone
Concen: 1.098 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

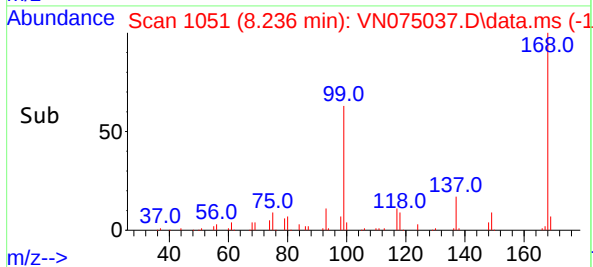
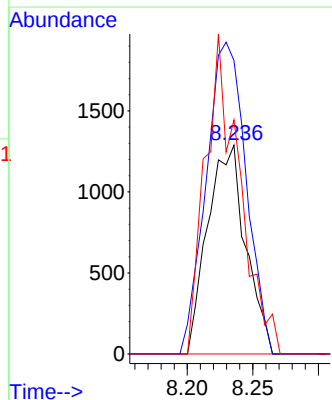
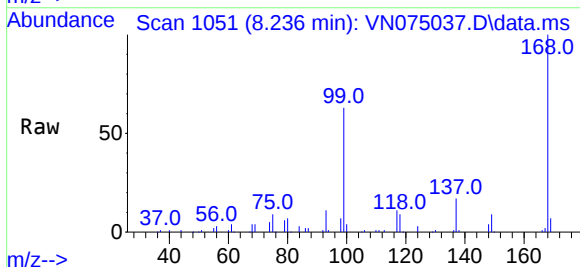
Instrument :
MSVOA_N
ClientSampleId :

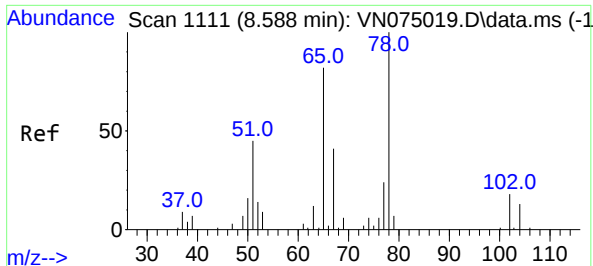
Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 56 Resp: 2606
Ion Ratio Lower Upper
56 100
69 140.5 25.2 37.8#
84 112.1 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 55.615 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075037.D

Acq: 27 Oct 2022 13:43

Instrument :

MSVOA_N

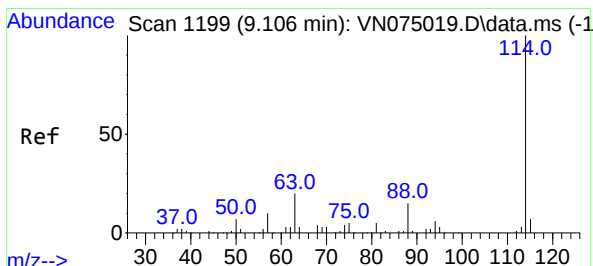
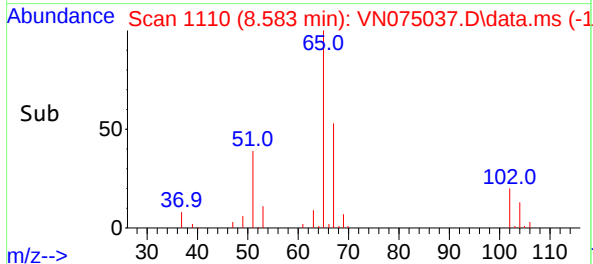
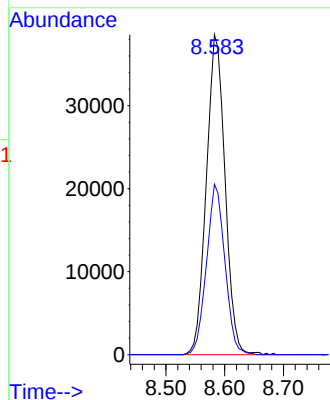
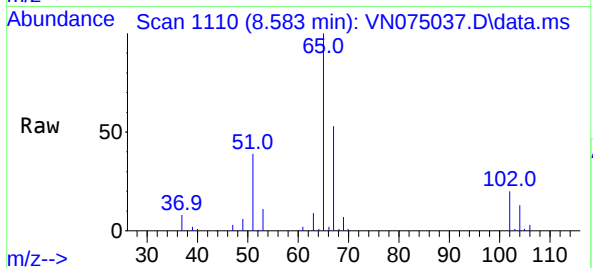
ClientSampleId :

Tgt Ion: 65 Resp: 85214

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075037.D

Acq: 27 Oct 2022 13:43

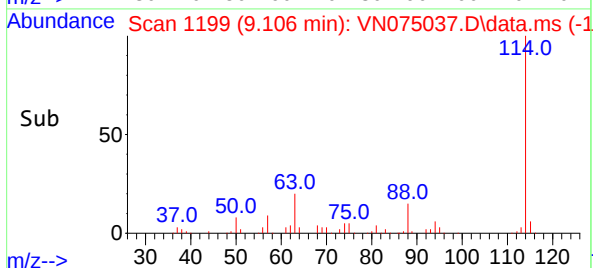
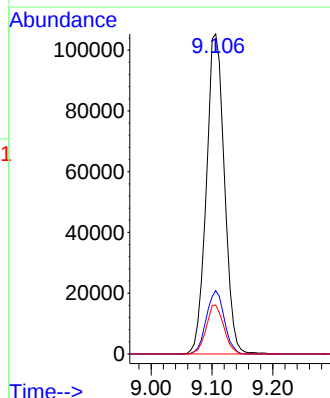
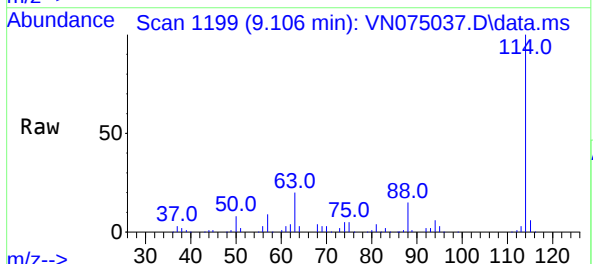
Tgt Ion: 114 Resp: 216615

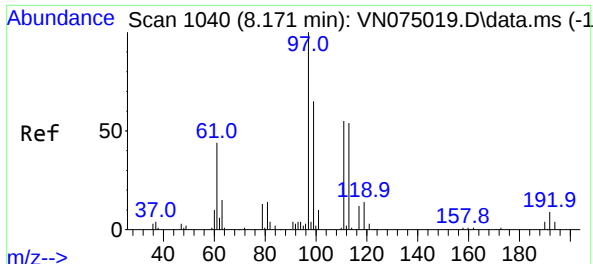
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

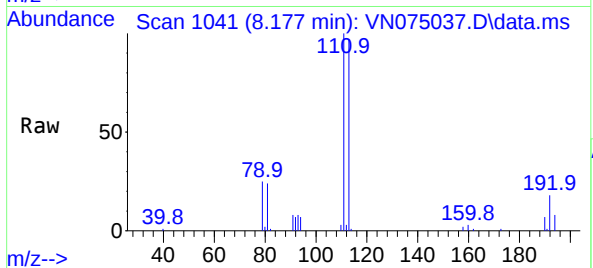
88 15.3 0.0 29.0



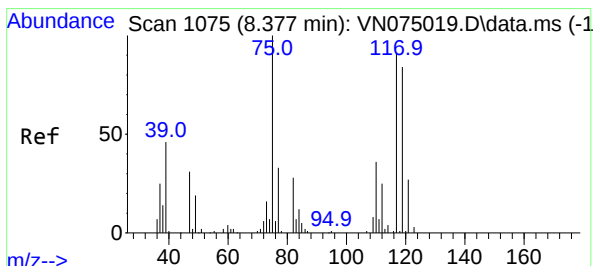
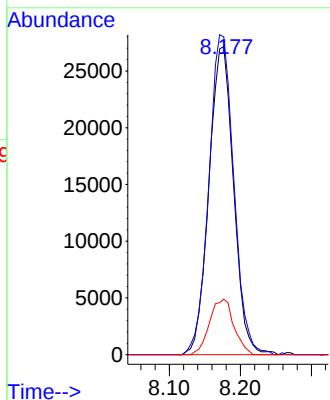
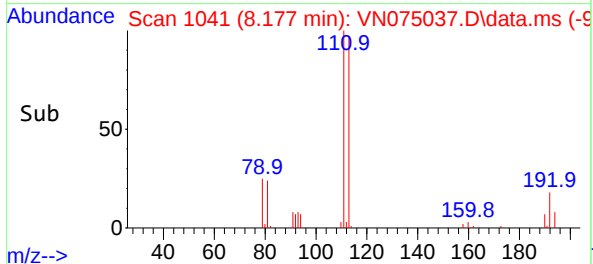


#35
Dibromofluoromethane
Concen: 51.406 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

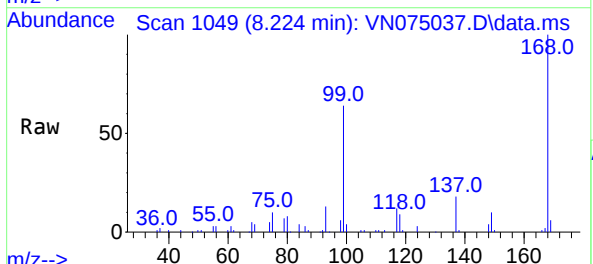
Instrument :
MSVOA_N
ClientSampleId :



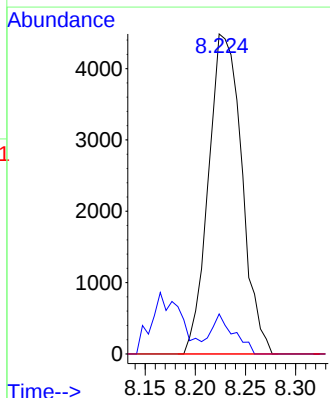
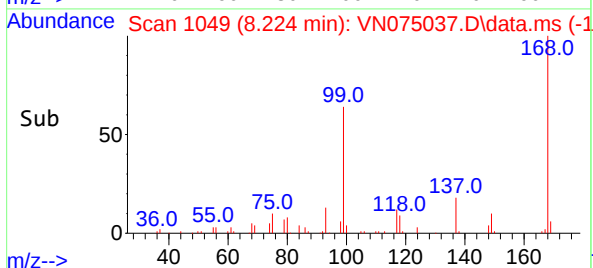
Tgt Ion:113 Resp: 65370
Ion Ratio Lower Upper
113 100
111 105.1 80.5 120.7
192 17.8 13.2 19.8

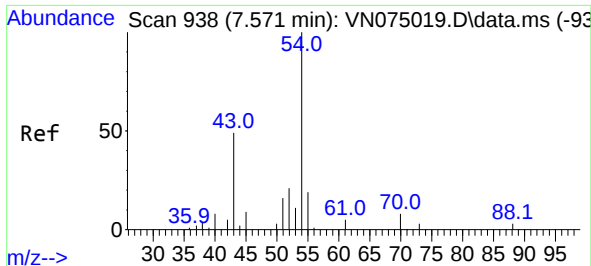


#36
1,1-Dichloropropene
Concen: 5.257 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43



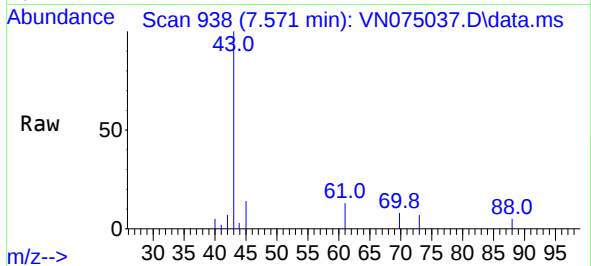
Tgt Ion: 75 Resp: 10350
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.0 24.6 37.0#





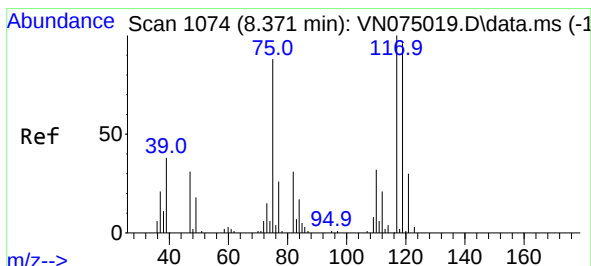
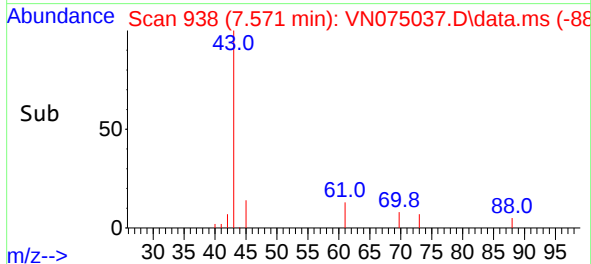
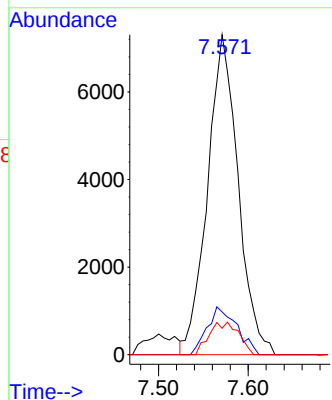
#37
Ethyl Acetate
Concen: 7.998 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 17269

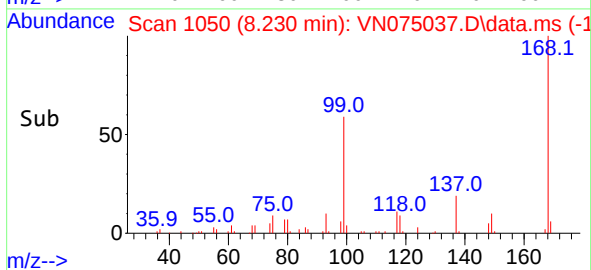
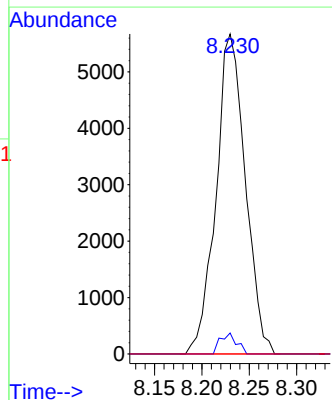
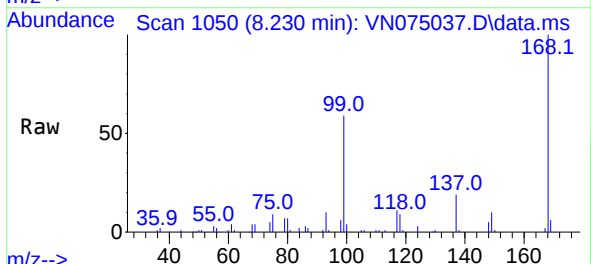
Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.2	18.4
70	9.8	9.4	14.2

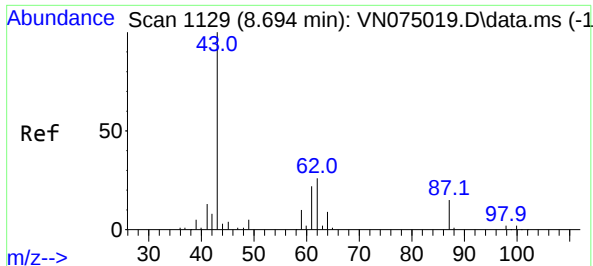


#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 117 Resp: 12219

Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.7	115.1#
121	0.0	23.9	35.9#

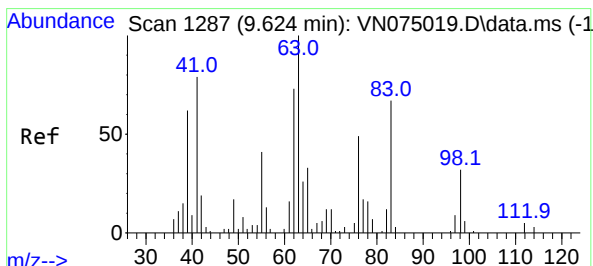
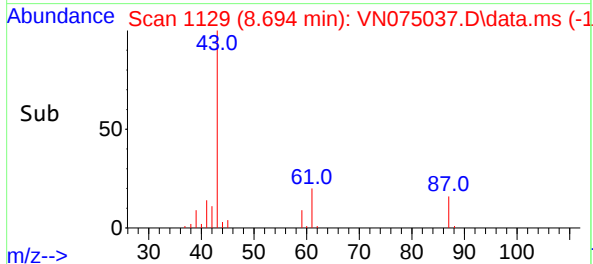
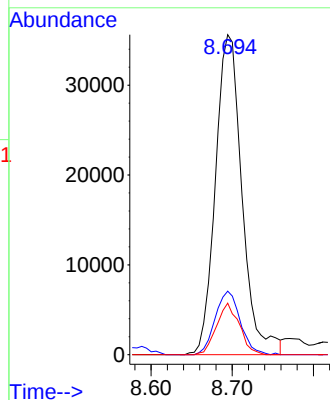
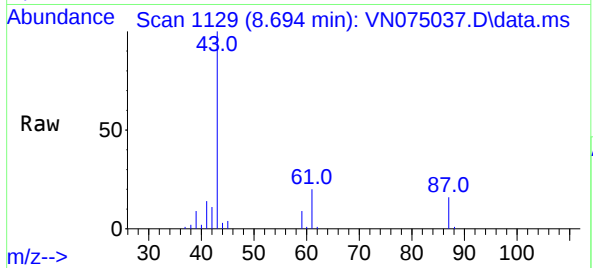




#43
Isopropyl Acetate
Concen: 24.242 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

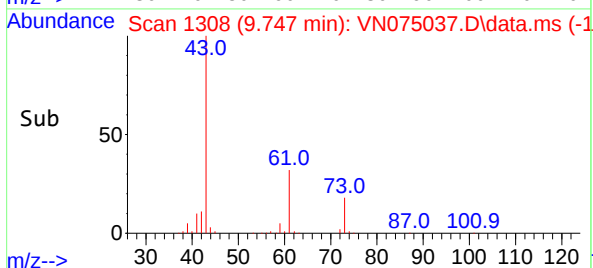
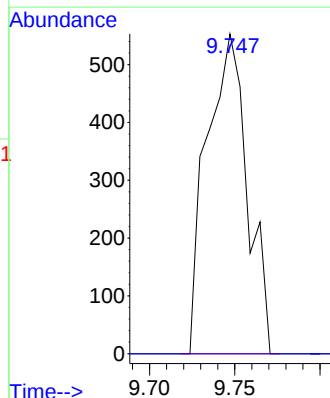
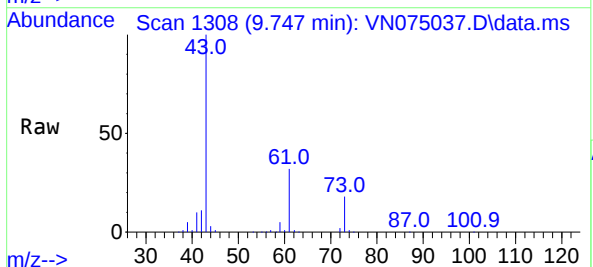
Instrument :
MSVOA_N
ClientSampleId :

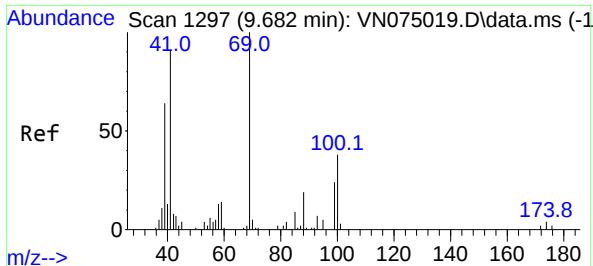
Tgt Ion: 43 Resp: 81185
Ion Ratio Lower Upper
43 100
61 18.6 22.4 33.6#
87 13.8 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.638 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 63 Resp: 915
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.554 ug/l

RT: 9.671 min Scan# 1297

Delta R.T. -0.011 min

Lab File: VN075037.D

Acq: 27 Oct 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

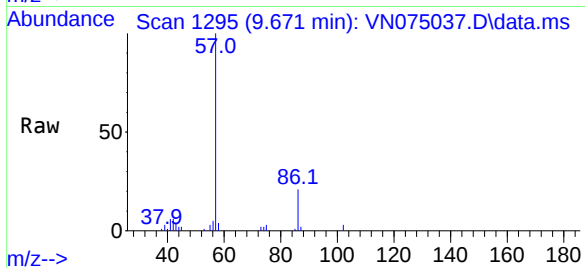
Tgt Ion: 41 Resp: 2387

Ion Ratio Lower Upper

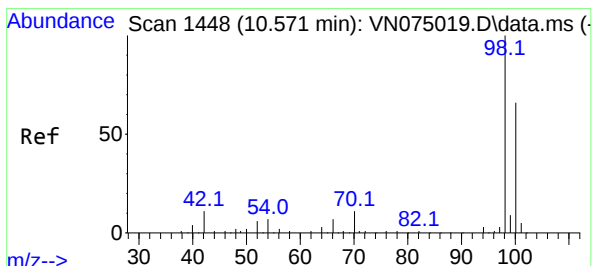
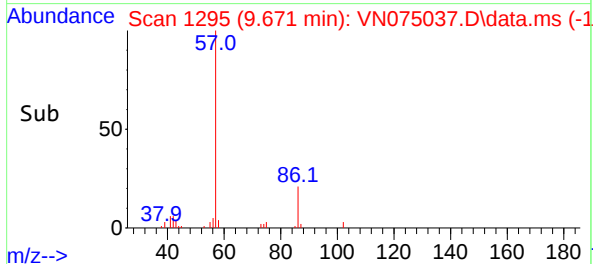
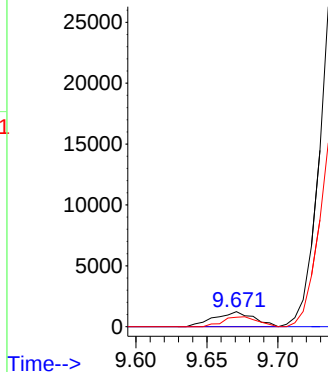
41 100

69 0.0 80.2 120.2#

39 57.4 56.2 84.2



Abundance



#50

Toluene-d8

Concen: 55.202 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075037.D

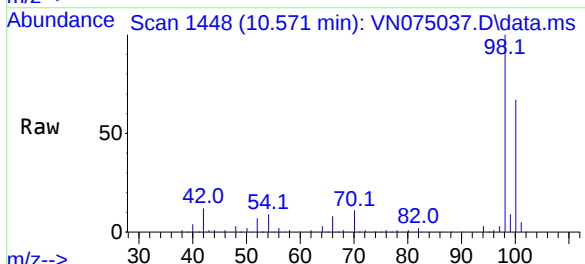
Acq: 27 Oct 2022 13:43

Tgt Ion: 98 Resp: 272348

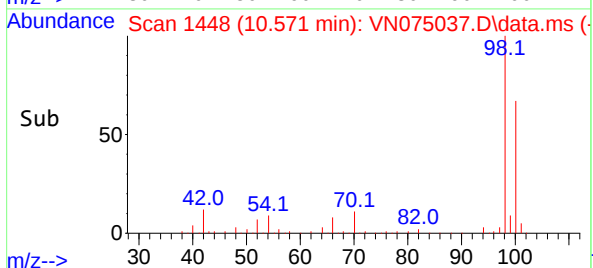
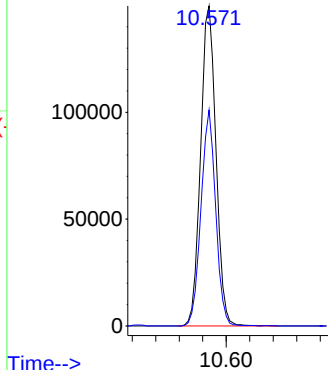
Ion Ratio Lower Upper

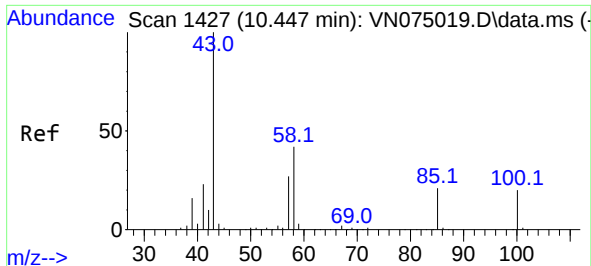
98 100

100 64.5 53.0 79.6



Abundance

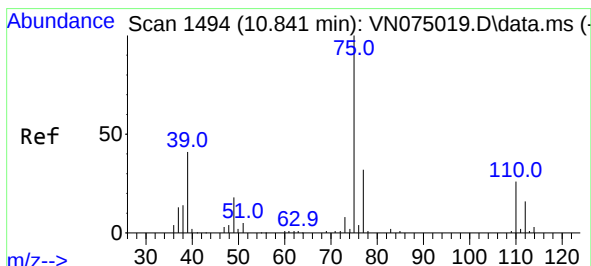
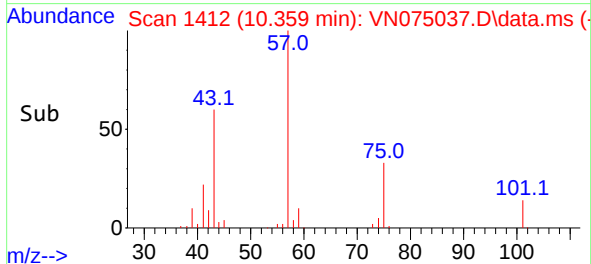
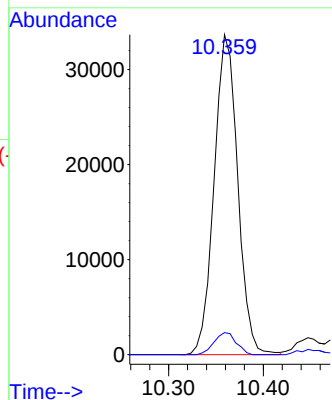
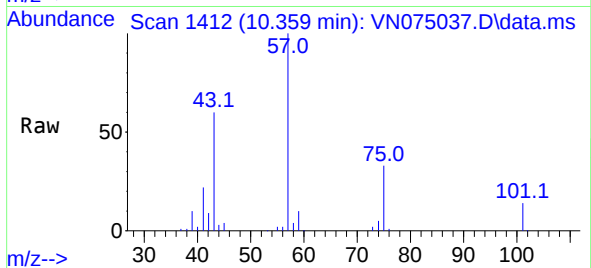




#51
4-Methyl-2-Pentanone
Concen: 26.979 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

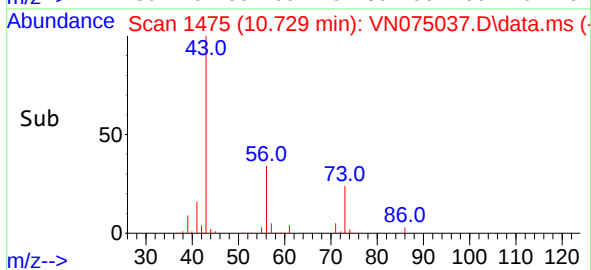
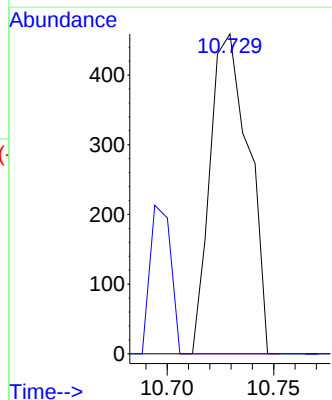
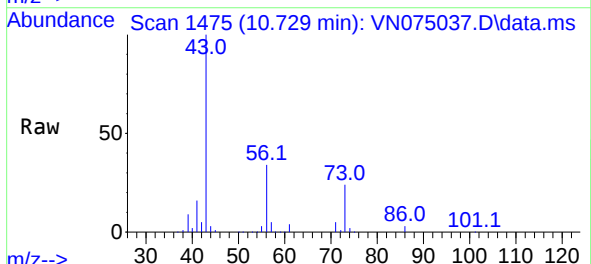
Instrument :
MSVOA_N
ClientSampleId :

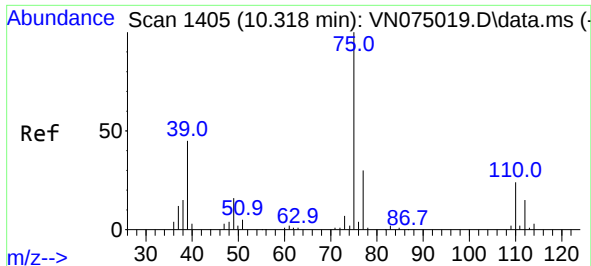
Tgt Ion: 43 Resp: 58305
Ion Ratio Lower Upper
43 100
58 6.5 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 75 Resp: 579
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

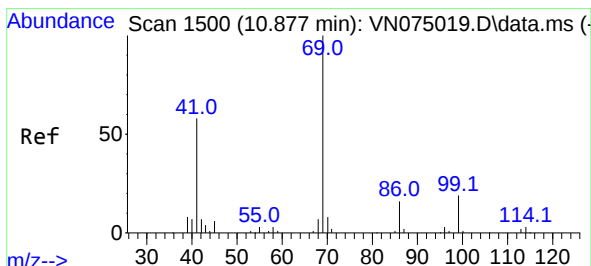
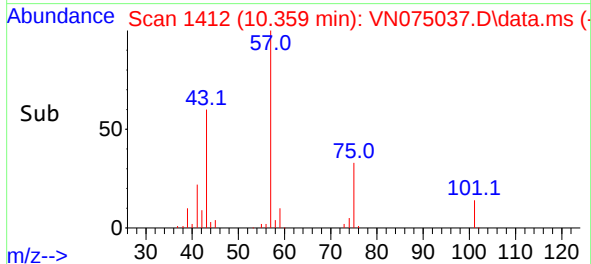
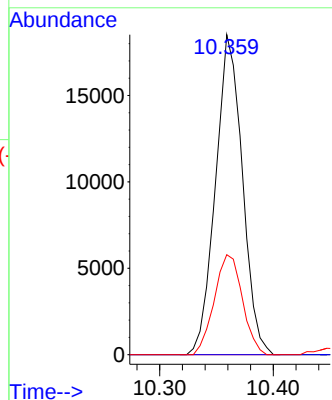
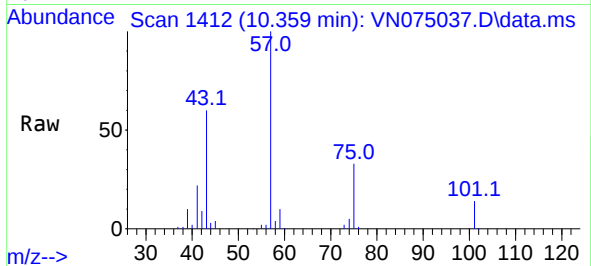




#54
 cis-1,3-Dichloropropene
 Concen: 12.553 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075037.D
 Acq: 27 Oct 2022 13:43

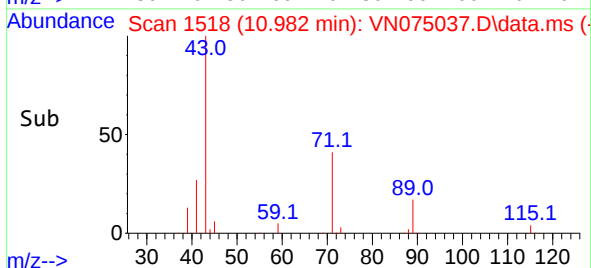
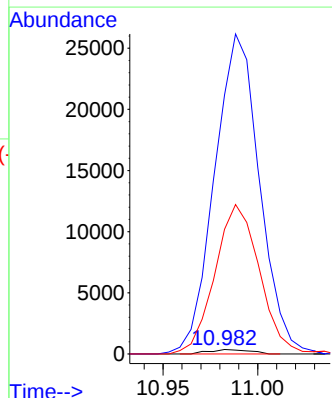
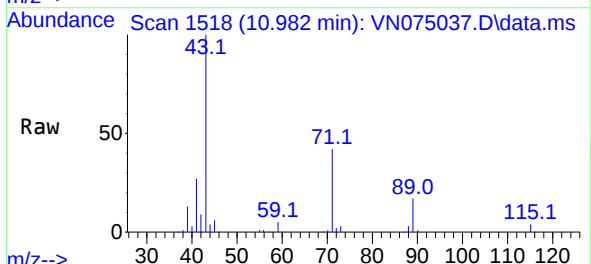
Instrument :
 MSVOA_N
 ClientSampleId :

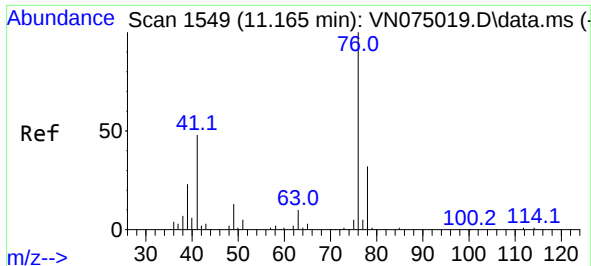
Tgt Ion: 75 Resp: 30416
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 31.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.222 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075037.D
 Acq: 27 Oct 2022 13:43

Tgt Ion: 69 Resp: 541
 Ion Ratio Lower Upper
 69 100
 41 8016.3 45.6 68.4#
 39 3710.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.563 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075037.D

Acq: 27 Oct 2022 13:43

Instrument :

MSVOA_N

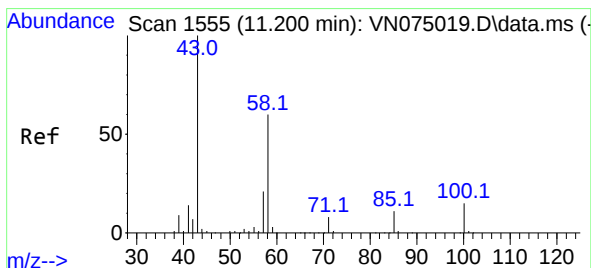
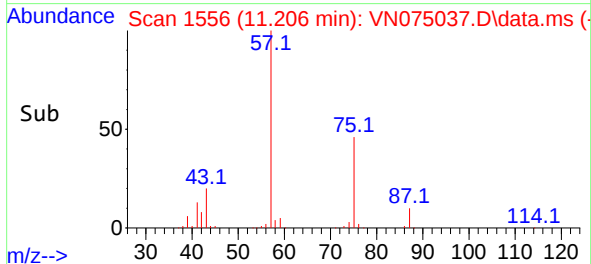
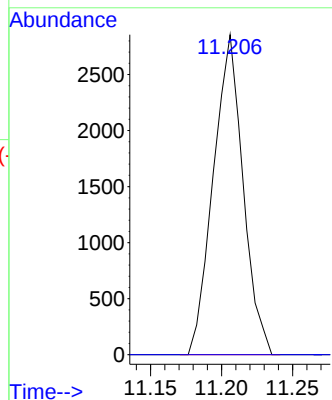
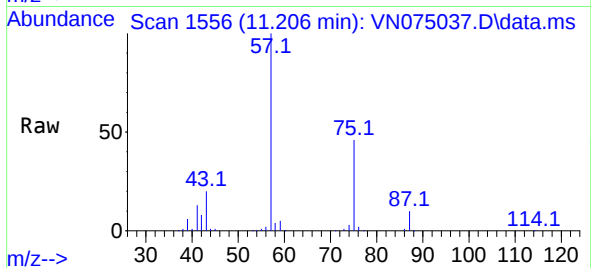
ClientSampleId :

Tgt Ion: 76 Resp: 4158

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 37.381 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075037.D

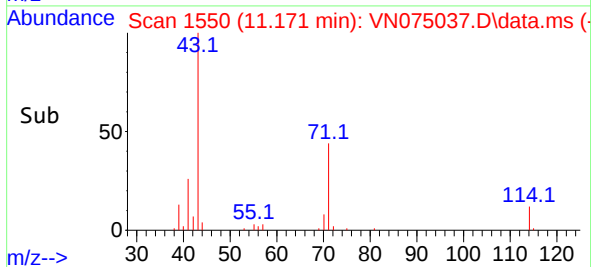
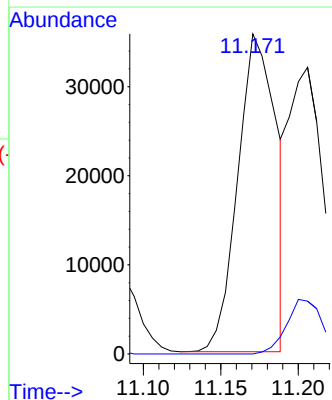
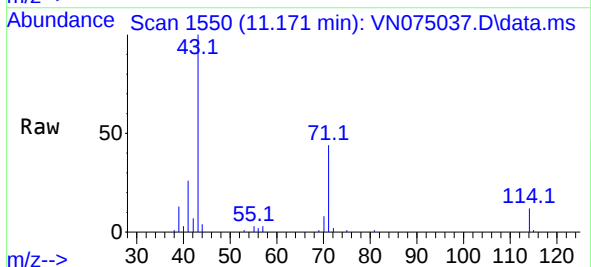
Acq: 27 Oct 2022 13:43

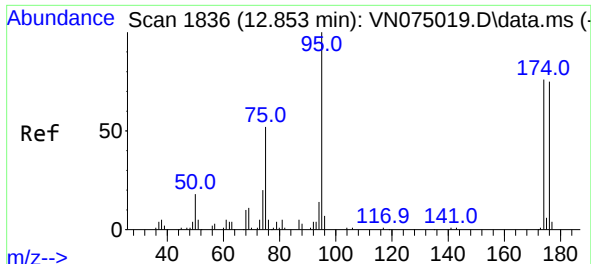
Tgt Ion: 43 Resp: 61312

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

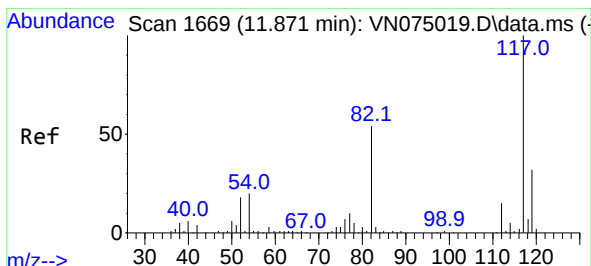
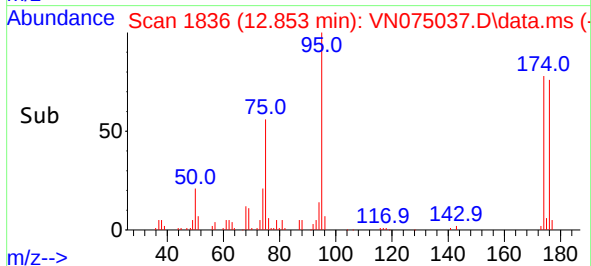
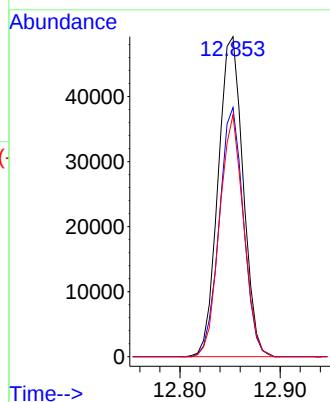
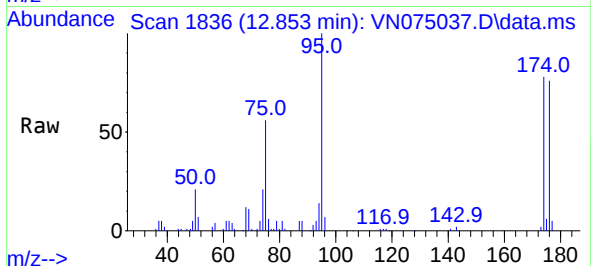




#62
4-Bromofluorobenzene
Concen: 48.957 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

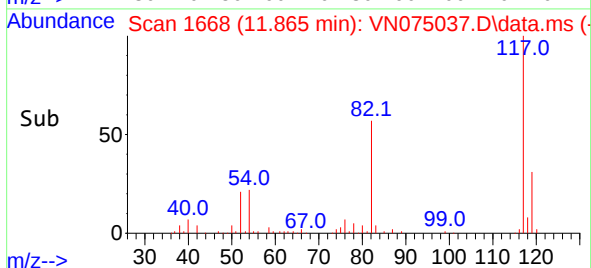
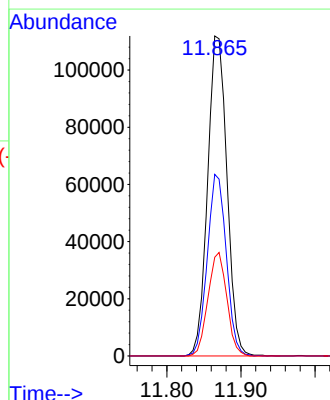
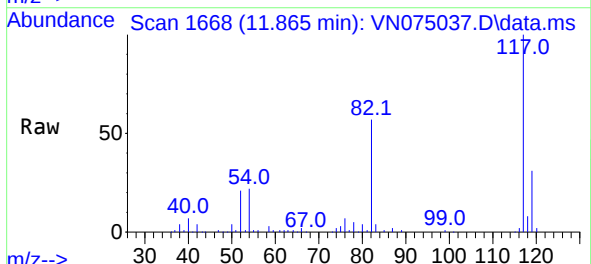
Instrument :
MSVOA_N
ClientSampleId :

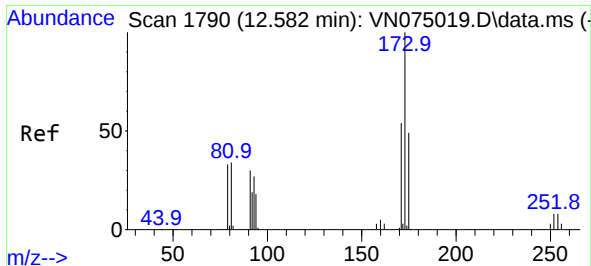
Tgt Ion: 95 Resp: 84847
Ion Ratio Lower Upper
95 100
174 75.5 0.0 147.4
176 72.6 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 117 Resp: 202818
Ion Ratio Lower Upper
117 100
82 56.8 43.1 64.7
119 30.8 25.5 38.3

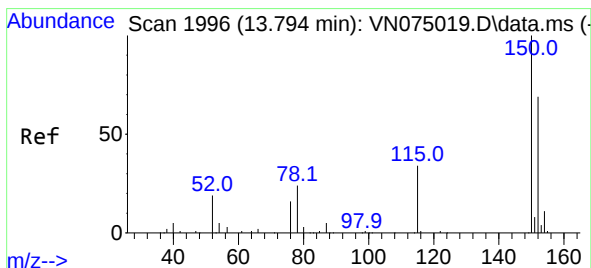
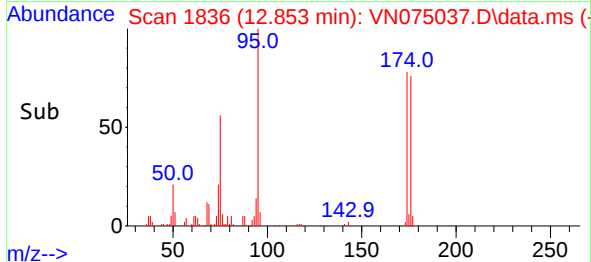
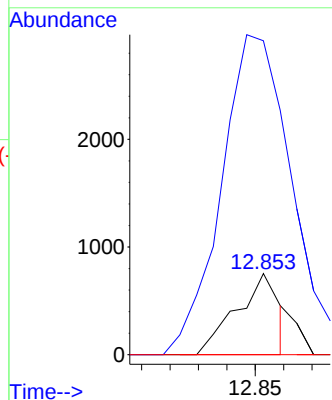
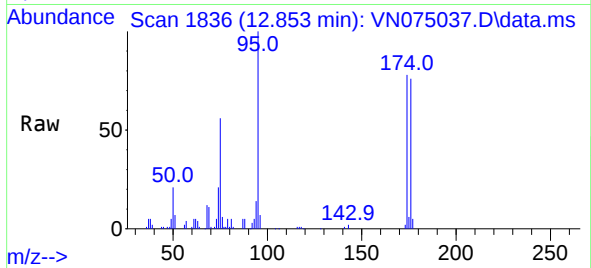




#71
Bromoform
Concen: 0.656 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

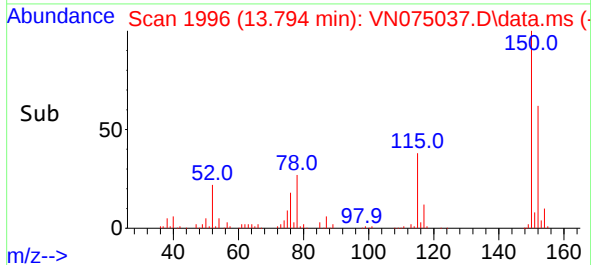
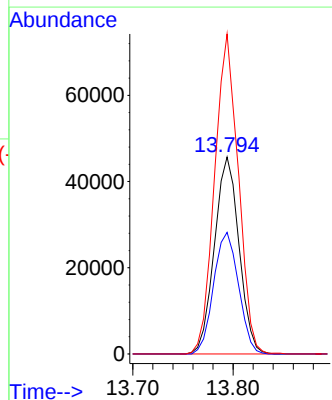
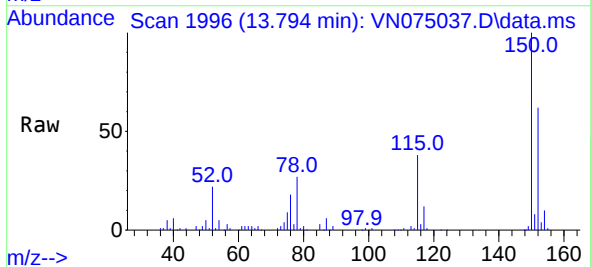
Instrument :
MSVOA_N
ClientSampleId :

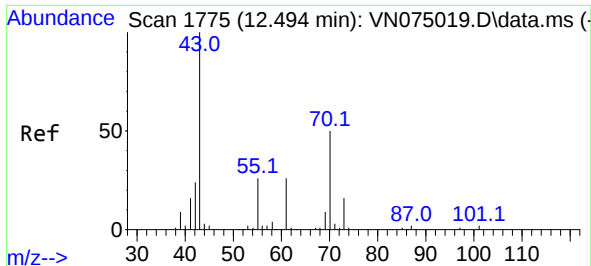
Tgt Ion:173 Resp: 789
Ion Ratio Lower Upper
173 100
175 540.3 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

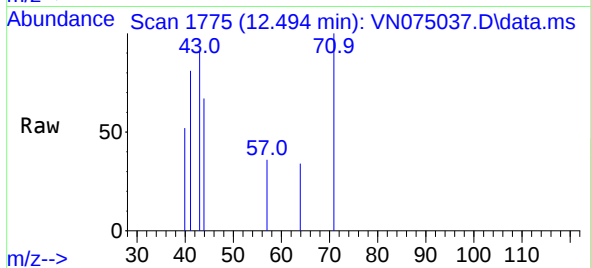
Tgt Ion:152 Resp: 77760
Ion Ratio Lower Upper
152 100
115 62.5 30.2 90.6
150 156.5 0.0 348.4





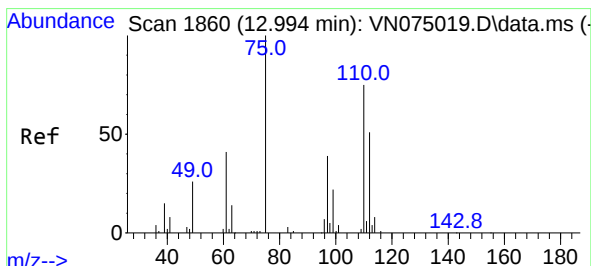
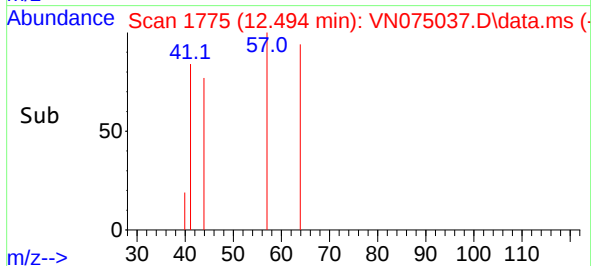
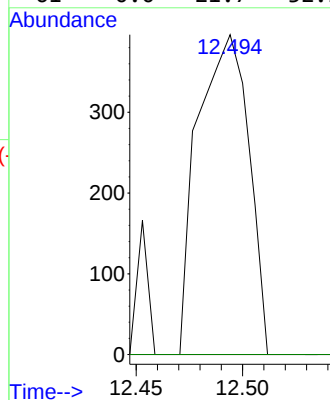
#74
N-amy1 acetate
Concen: 0.285 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 659

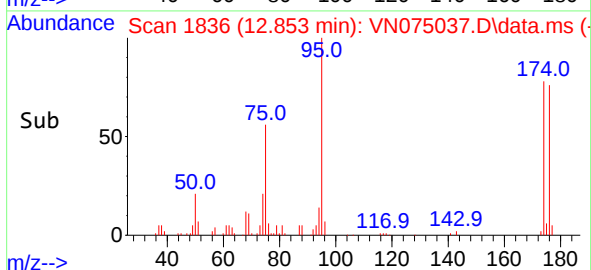
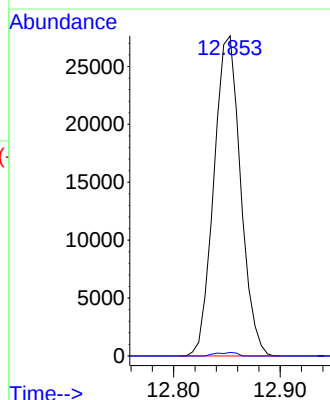
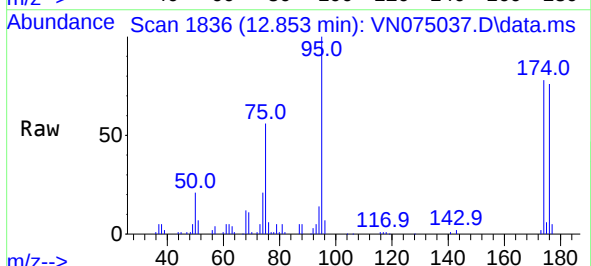
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

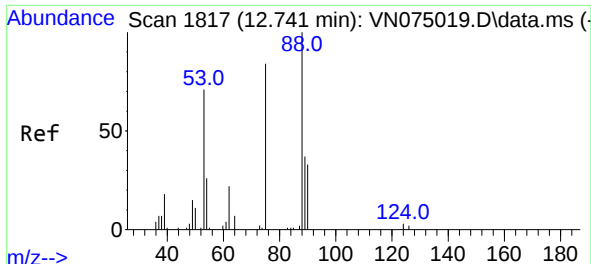


#76
1,2,3-Trichloropropane
Concen: 29.097 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion: 75 Resp: 48041

Ion	Ratio	Lower	Upper
75	100		
77	0.9	75.6	226.8#

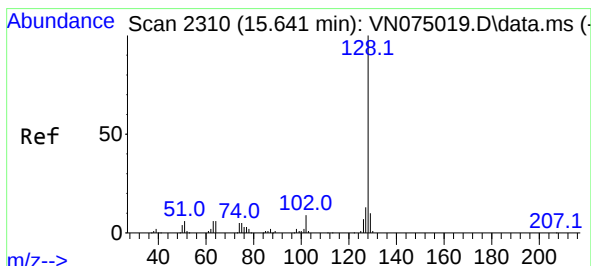
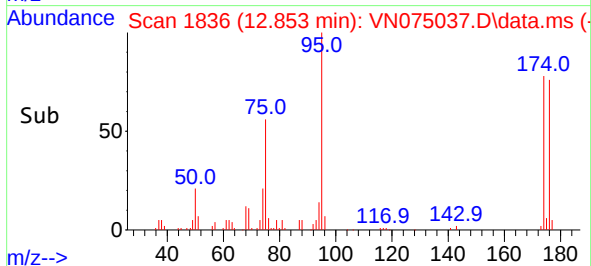
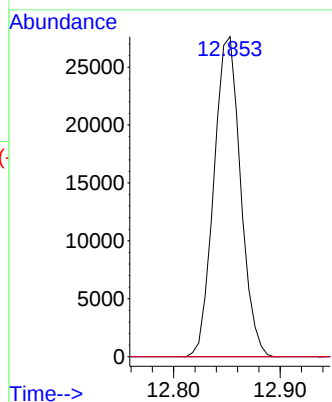
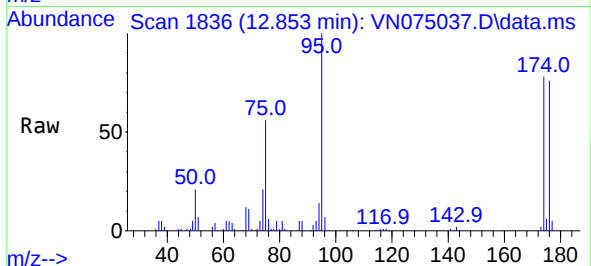




#81
trans-1,4-Dichloro-2-butene
Concen: 74.692 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 48041
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.255 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN075037.D
Acq: 27 Oct 2022 13:43

Tgt Ion:128 Resp: 1130
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

