

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074997.D
 Acq On : 24 Oct 2022 20:39
 Operator : JC\MD
 Sample : PB148483TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:52:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	2512947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4456220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	5242018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3178090	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	2957709	44.299	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.600%
35) Dibromofluoromethane	8.171	113	2246976	42.363	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.720%
50) Toluene-d8	10.571	98	10498639	51.590	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.853	95	3691042	51.419	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.840%

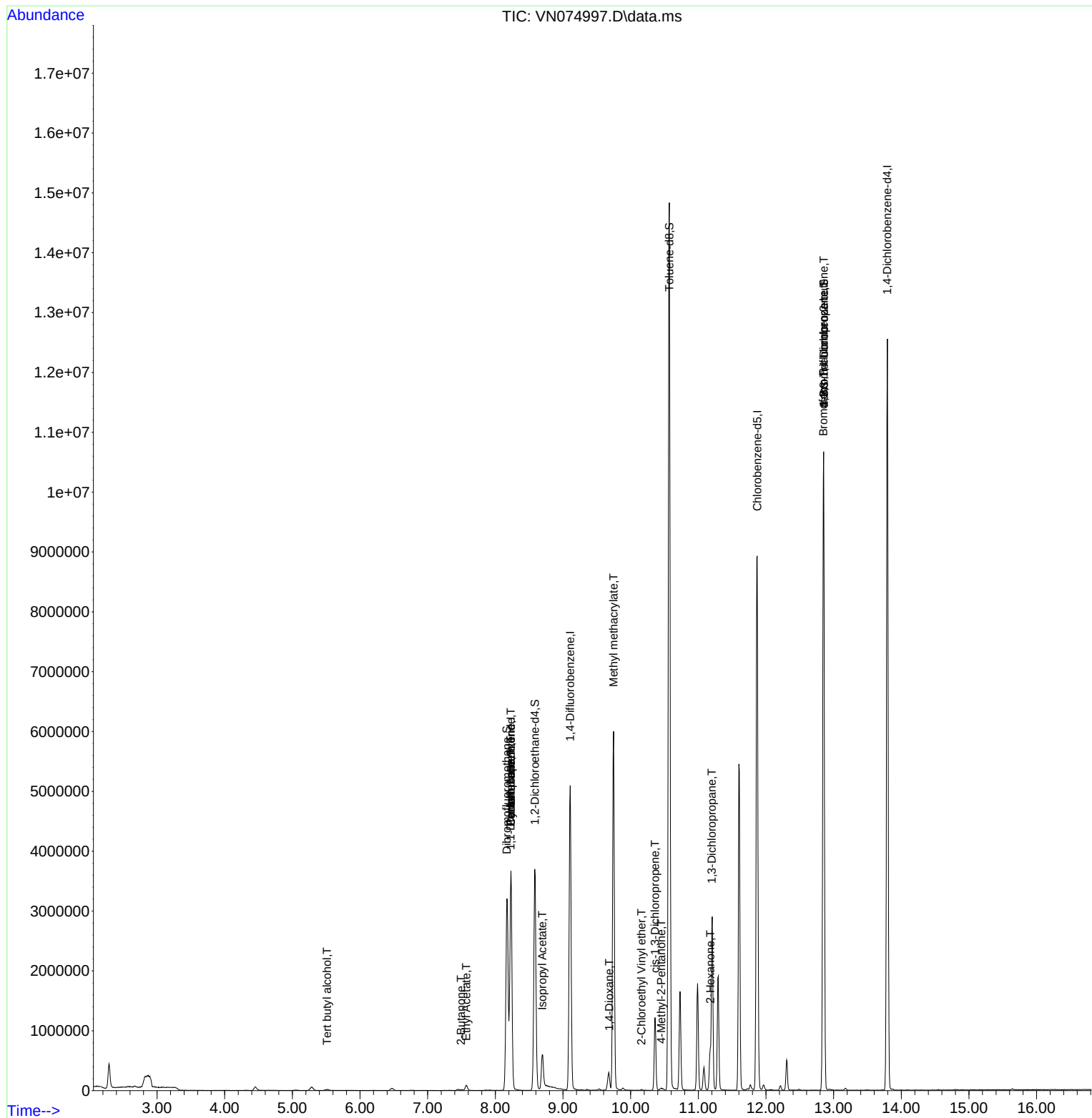
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.371	50	2732	Below Cal	#	65
4) Vinyl Chloride	2.518	62	462	Below Cal	#	44
5) Bromomethane	2.918	94	2800	Below Cal	#	71
6) Chloroethane	3.171	64	2858	Below Cal	#	40
7) Trichlorofluoromethane	3.312	101	186	Below Cal	#	86
11) Tert butyl alcohol	5.512	59	16647	1.179	ug/l	# 72
12) 1,1-Dichloroethene	4.277	96	61	Below Cal	#	1
13) Acrolein	4.183	56	190	Below Cal	#	54
16) Acetone	4.448	43	107984	Below Cal		92
17) Carbon Disulfide	4.706	76	332	Below Cal	#	74
20) Methylene Chloride	5.283	84	46036	Below Cal		94
21) trans-1,2-Dichloroethene	5.683	96	69	Below Cal	#	1
25) 2-Butanone	7.494	43	16277	0.400	ug/l	95
31) Cyclohexane	8.230	56	66781	0.979	ug/l	# 61
36) 1,1-Dichloropropene	8.224	75	220650	3.303	ug/l	# 49
37) Ethyl Acetate	7.571	43	123267	1.567	ug/l	98
38) Carbon Tetrachloride	8.230	117	268748	3.696	ug/l	# 16
43) Isopropyl Acetate	8.694	43	785628	6.440	ug/l	# 82
48) Methyl methacrylate	9.747	41	529178	9.920	ug/l	# 35
49) 1,4-Dioxane	9.682	88	434	0.281	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.453	43	22117	0.274	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	237575	2.777	ug/l	# 65
57) 1,3-Dichloropropane	11.200	76	31665	0.331	ug/l	# 42
58) 2-Chloroethyl Vinyl ether	10.159	63	5035	3.739	ug/l	94
59) 2-Hexanone	11.177	43	473878	7.732	ug/l	# 21
71) Bromoform	12.847	173	29718	0.659	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	1994355	23.140	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	1994355	74.192	ug/l	# 10

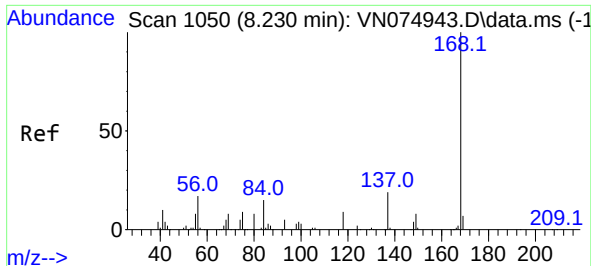
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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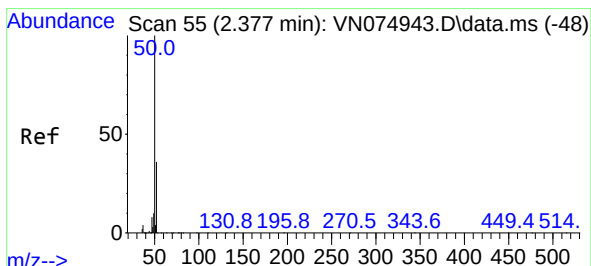
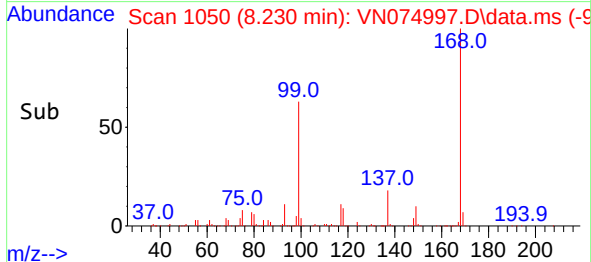
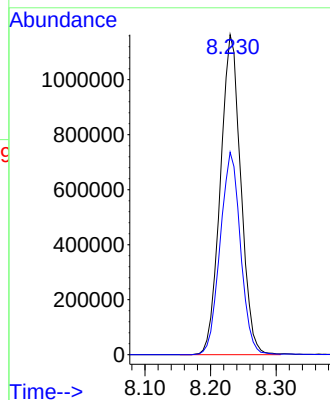
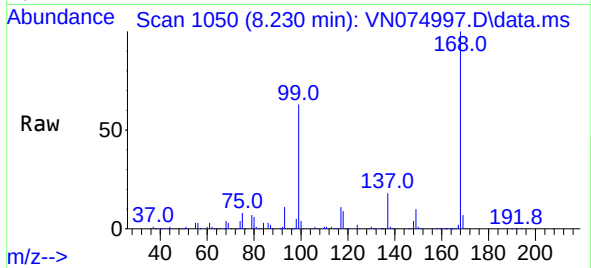




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

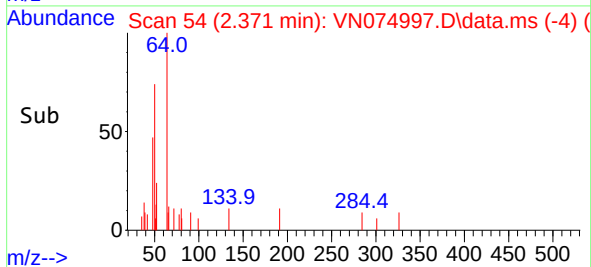
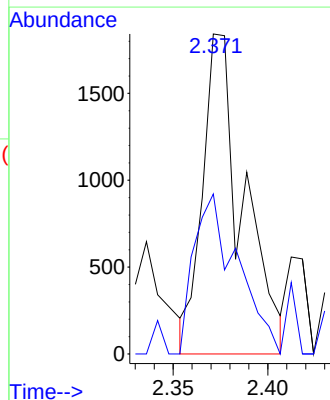
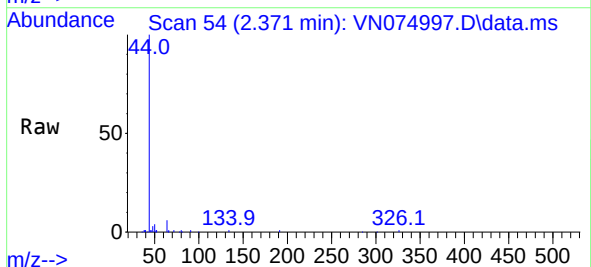
Instrument :
MSVOA_N
ClientSampleId :

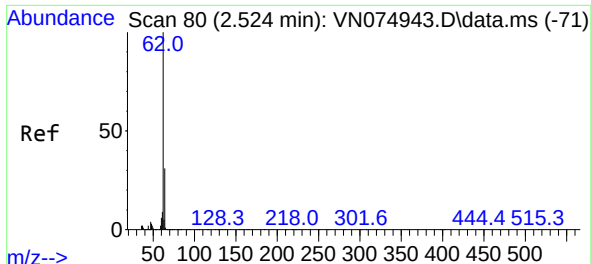
Tgt Ion:168 Resp: 2512947
Ion Ratio Lower Upper
168 100
99 63.3 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 50 Resp: 2732
Ion Ratio Lower Upper
50 100
52 56.3 28.8 43.2#

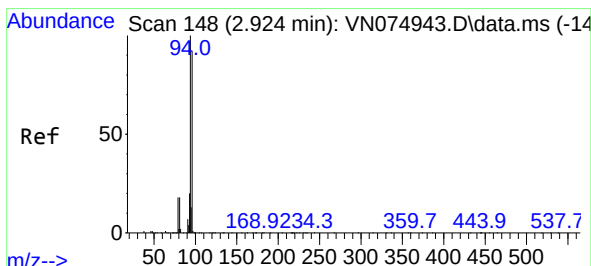
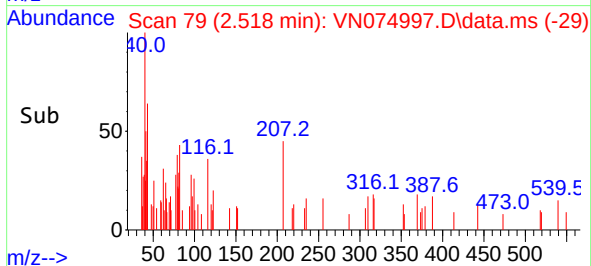
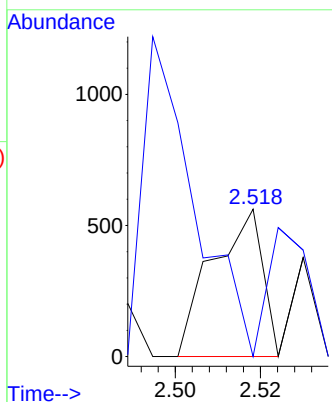
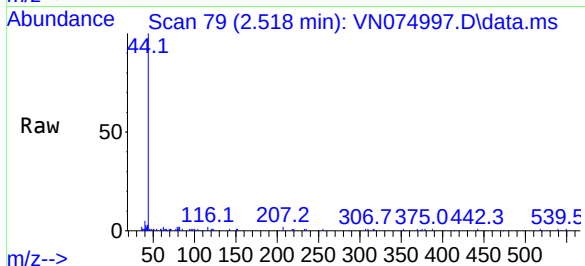




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.518 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VN074997.D
 Acq: 24 Oct 2022 20:39

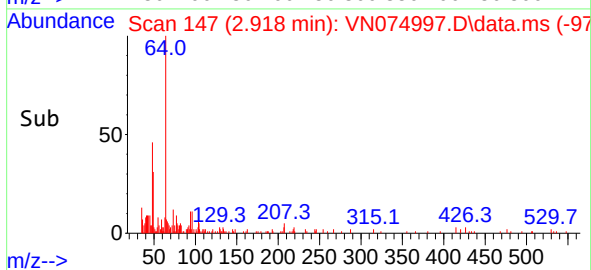
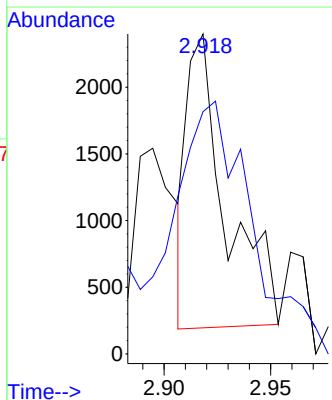
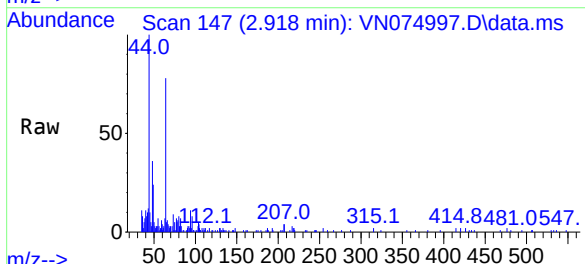
Instrument :
 MSVOA_N
 ClientSampleId :

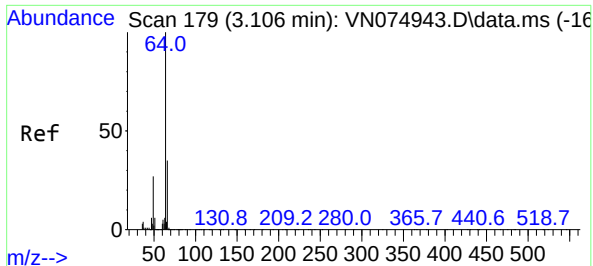
Tgt Ion: 62 Resp: 462
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.5 36.7#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.918 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VN074997.D
 Acq: 24 Oct 2022 20:39

Tgt Ion: 94 Resp: 2800
 Ion Ratio Lower Upper
 94 100
 96 64.4 73.5 110.3#

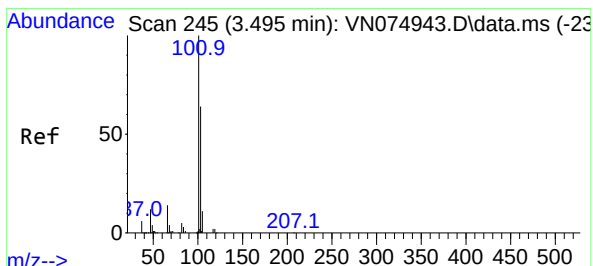
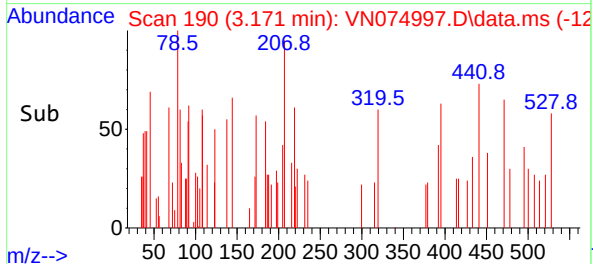
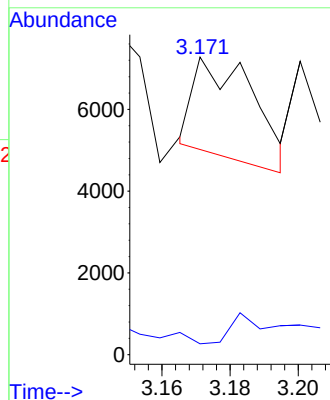
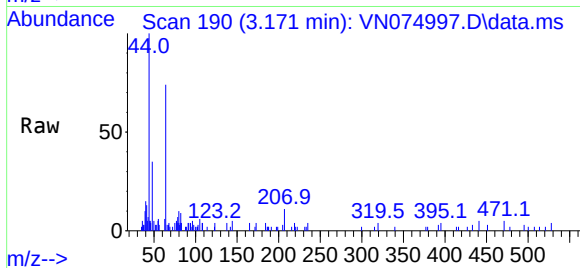




#6
Chloroethane
Concen: Below Cal
RT: 3.171 min Scan# 19
Delta R.T. 0.065 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

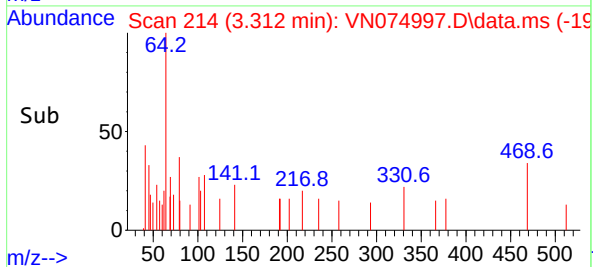
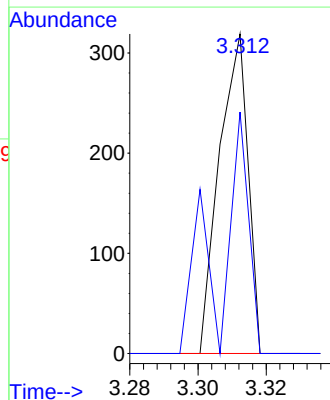
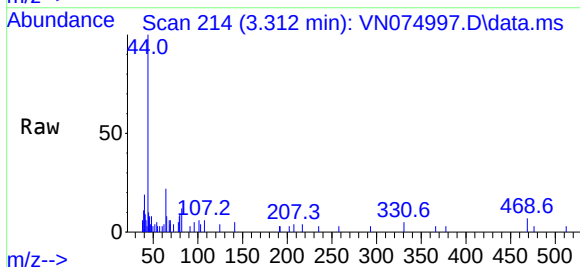
Instrument :
MSVOA_N
ClientSampleId :

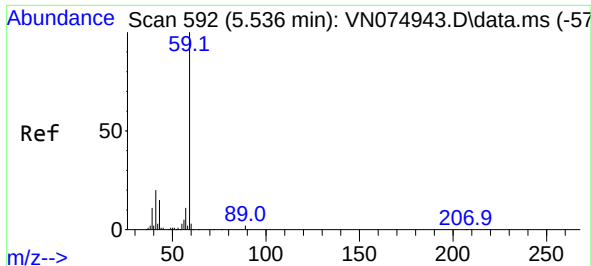
Tgt Ion: 64 Resp: 2858
Ion Ratio Lower Upper
64 100
66 0.0 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.312 min Scan# 214
Delta R.T. -0.183 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 101 Resp: 186
Ion Ratio Lower Upper
101 100
103 75.5 51.5 77.3





#11

Tert butyl alcohol

Concen: 1.179 ug/l

RT: 5.512 min Scan# 51

Delta R.T. -0.023 min

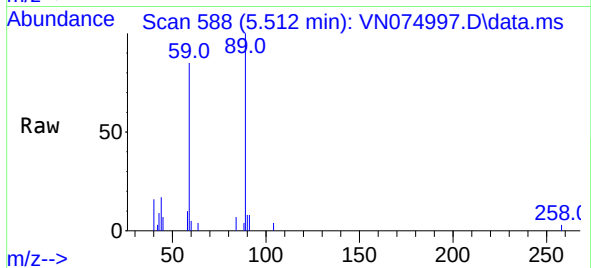
Lab File: VN074997.D

Acq: 24 Oct 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

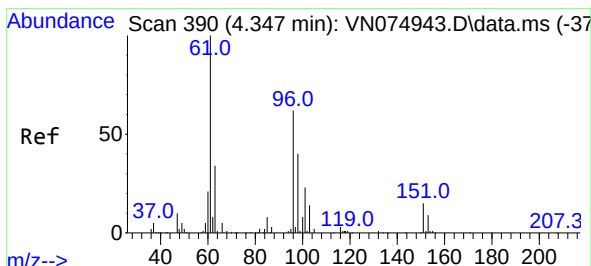
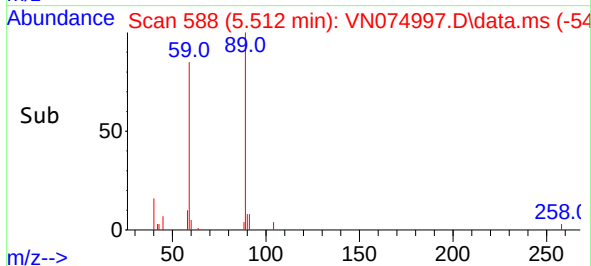
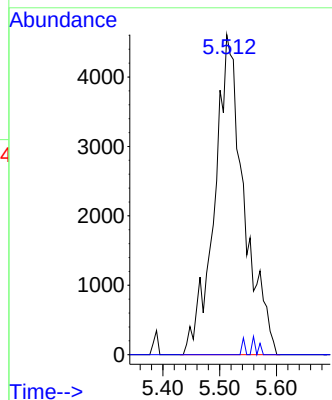


Tgt Ion: 59 Resp: 16647

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.277 min Scan# 378

Delta R.T. -0.070 min

Lab File: VN074997.D

Acq: 24 Oct 2022 20:39

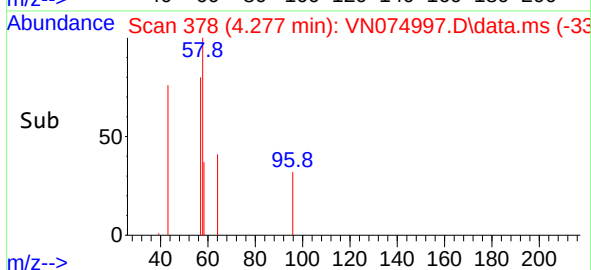
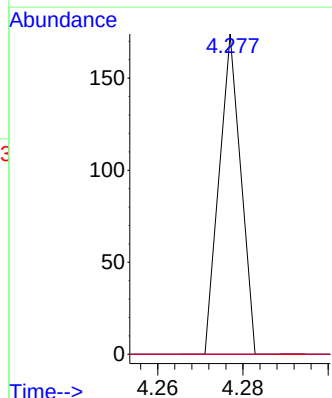
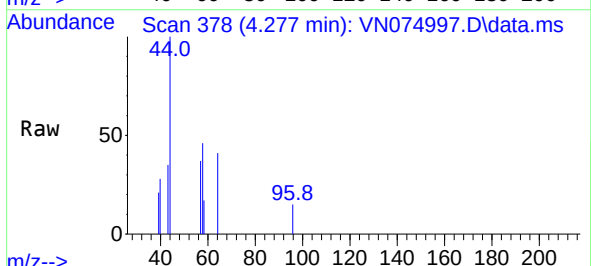
Tgt Ion: 96 Resp: 61

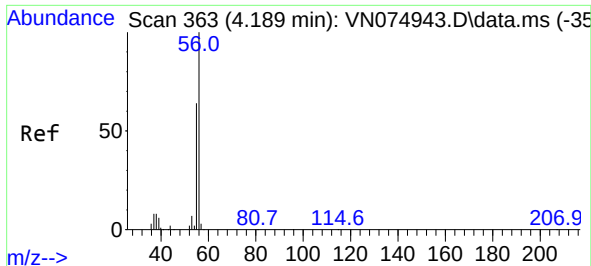
Ion Ratio Lower Upper

96 100

61 0.0 128.9 193.3#

98 0.0 51.8 77.8#

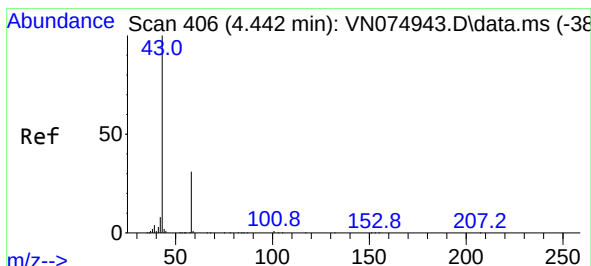
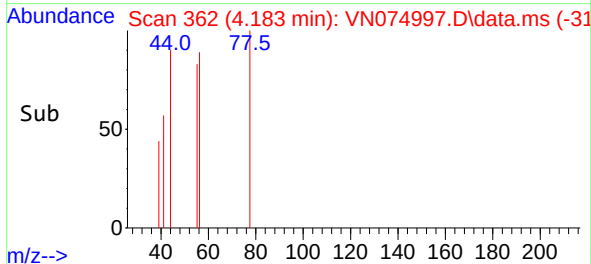
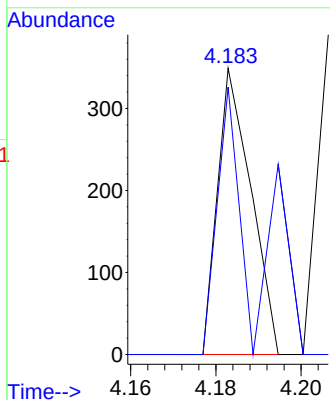
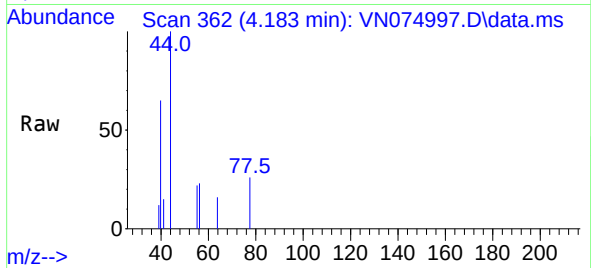




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

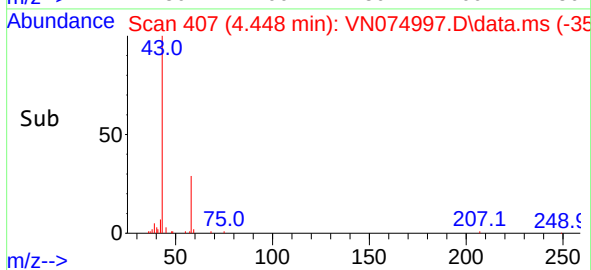
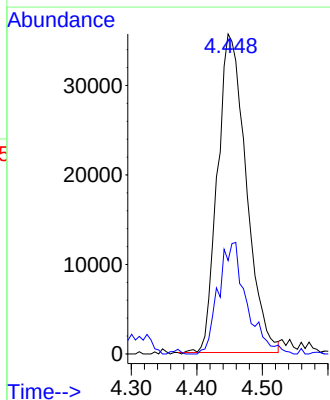
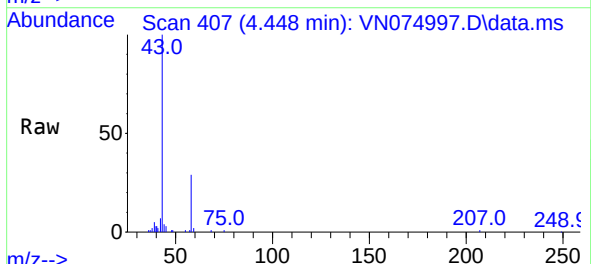
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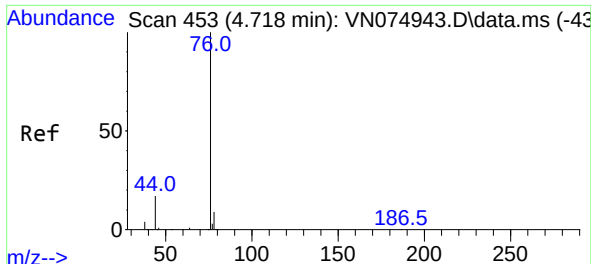
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 103.7 53.7 80.5#



#16
Acetone
Concen: Below Cal
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 43 Resp: 107984
Ion Ratio Lower Upper
43 100
58 27.9 25.7 38.5

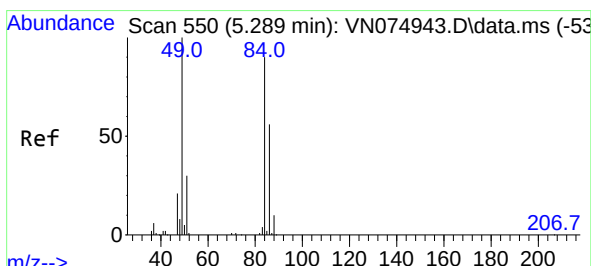
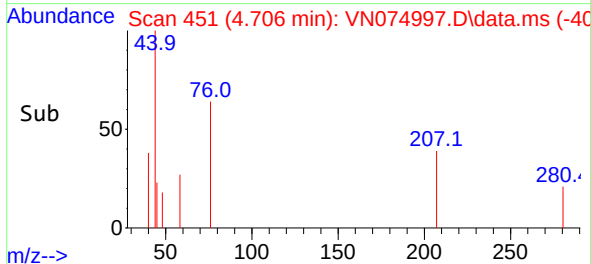
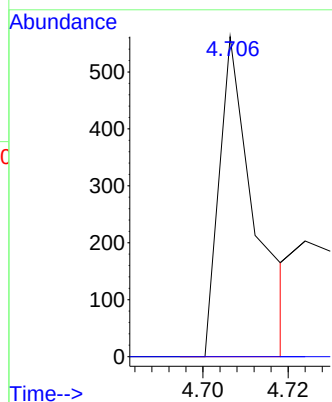
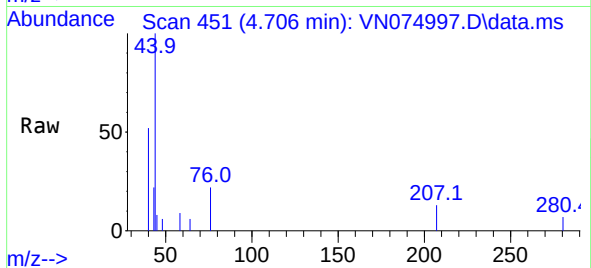




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.706 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

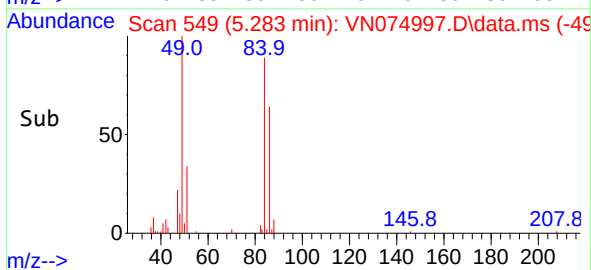
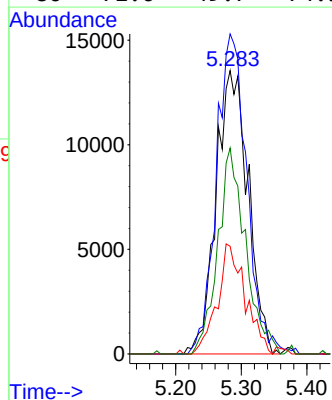
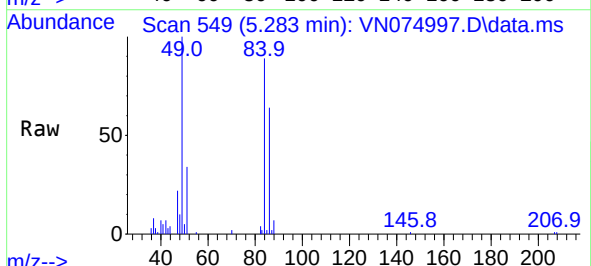
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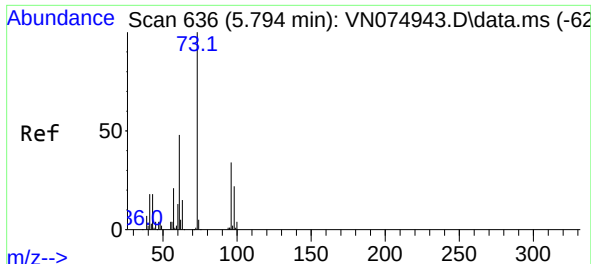
Tgt Ion: 76 Resp: 332
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

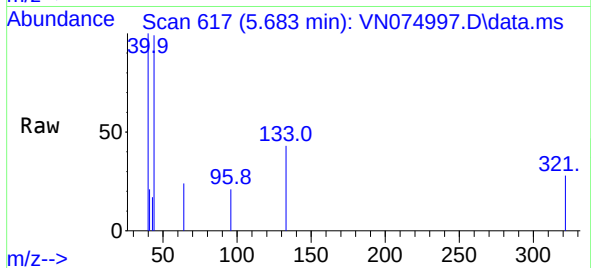
Tgt Ion: 84 Resp: 46036
Ion Ratio Lower Upper
84 100
49 112.9 88.6 133.0
51 36.6 26.7 40.1
86 72.6 49.7 74.5



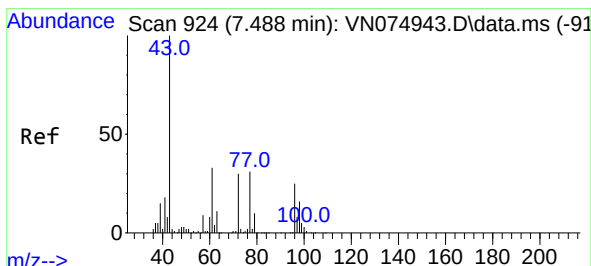
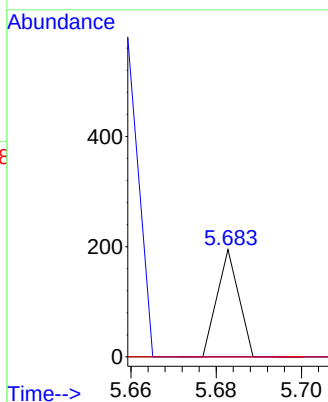
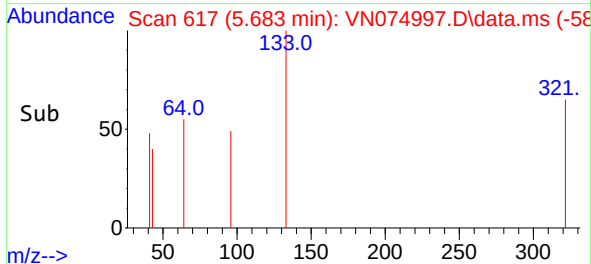


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.683 min Scan# 61
Delta R.T. -0.111 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

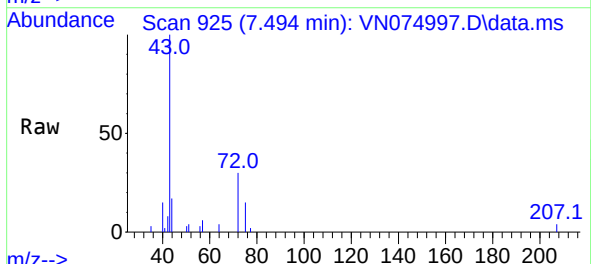
Instrument :
MSVOA_N
ClientSampleId :



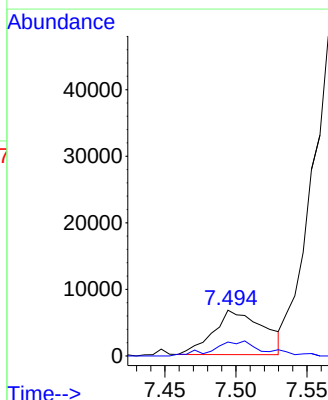
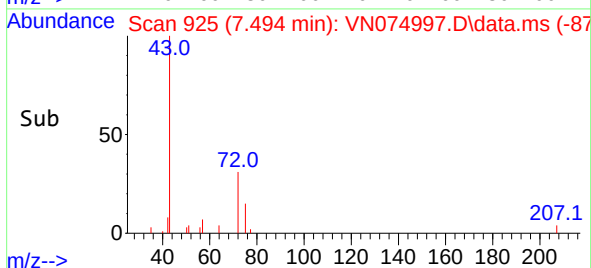
Tgt Ion: 96 Resp: 69
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#

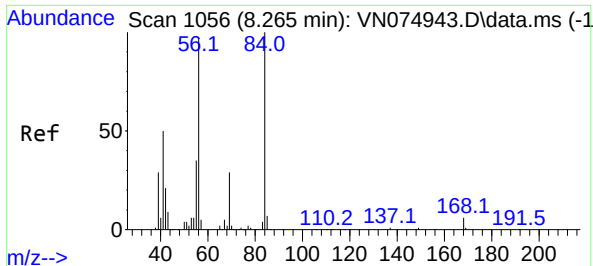


#25
2-Butanone
Concen: 0.400 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39



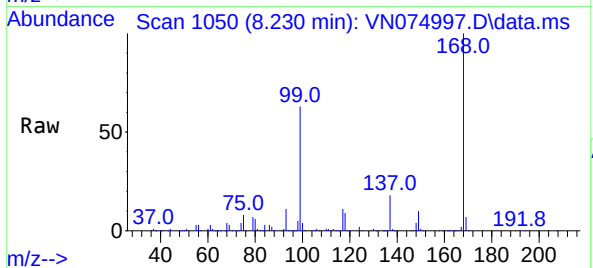
Tgt Ion: 43 Resp: 16277
Ion Ratio Lower Upper
43 100
72 27.3 23.9 35.9



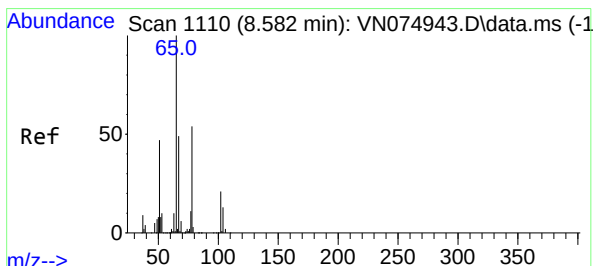
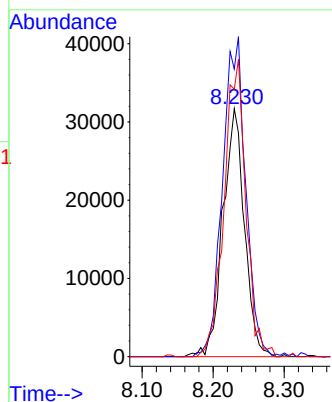
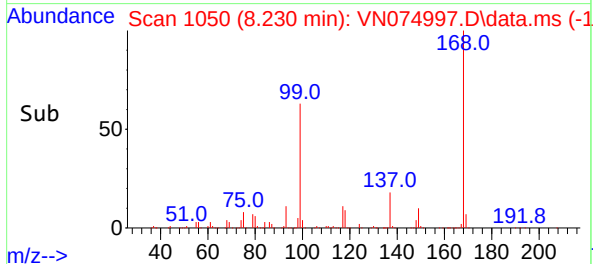


#31
Cyclohexane
Concen: 0.979 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

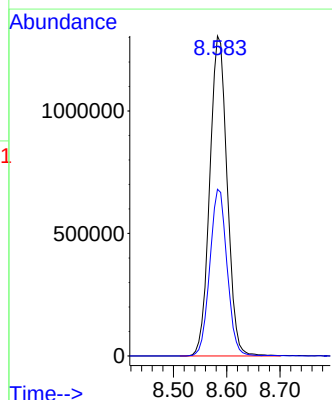
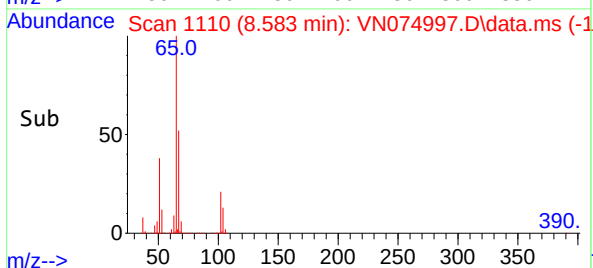
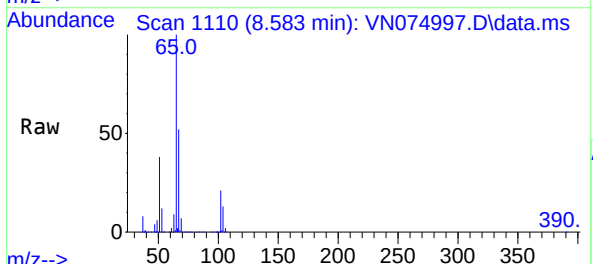


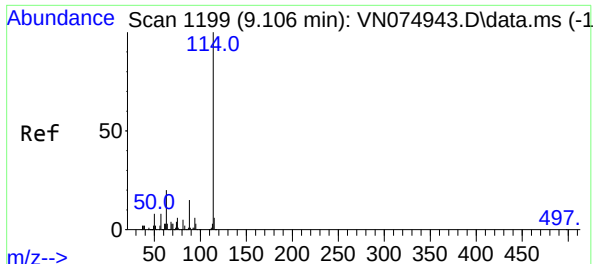
Tgt Ion: 56 Resp: 66781
Ion Ratio Lower Upper
56 100
69 116.0 24.2 36.2#
84 107.8 82.8 124.2



#33
1,2-Dichloroethane-d4
Concen: 44.299 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 65 Resp: 2957709
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.6

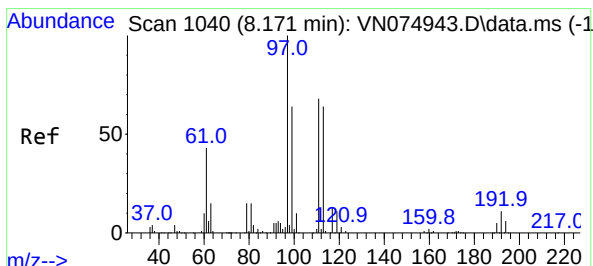
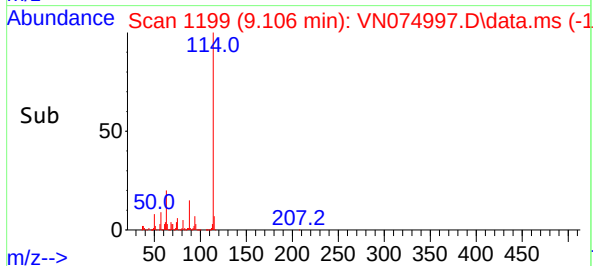
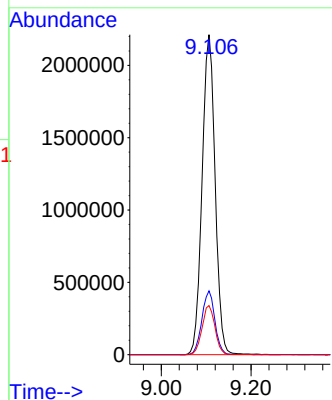
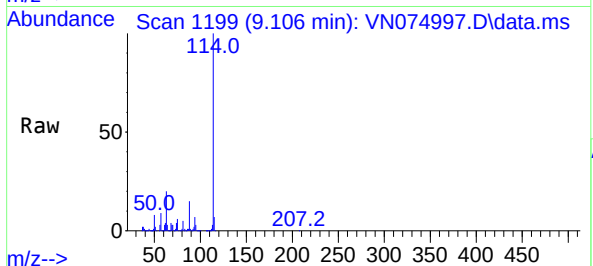




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

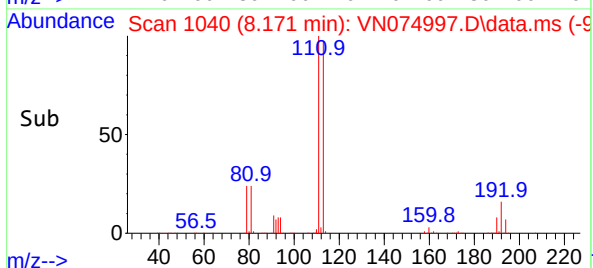
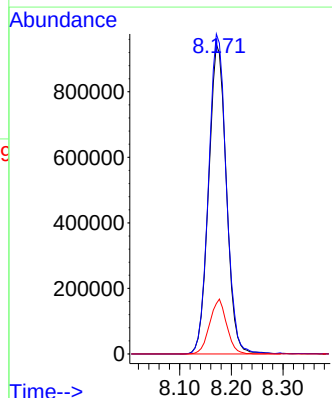
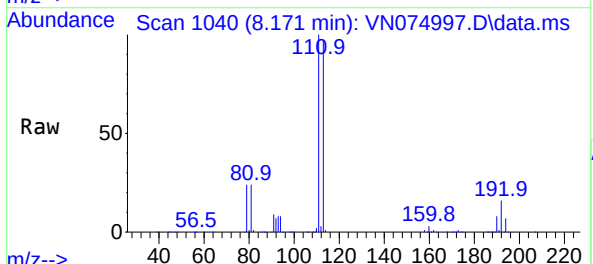
Instrument :
MSVOA_N
ClientSampleId :

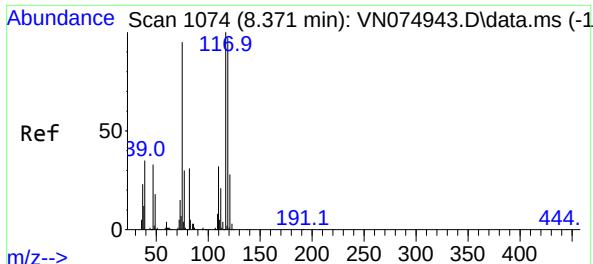
Tgt Ion:114 Resp: 4456220
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.8
88 15.4 0.0 30.4



#35
Dibromofluoromethane
Concen: 42.363 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion:113 Resp: 2246976
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.2
192 17.0 13.3 19.9

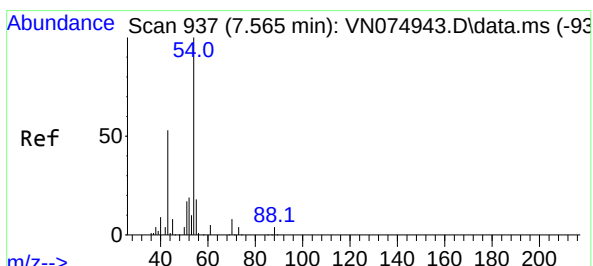
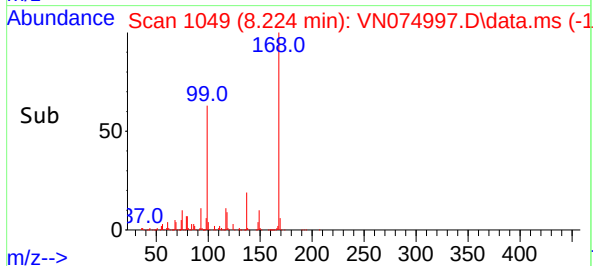
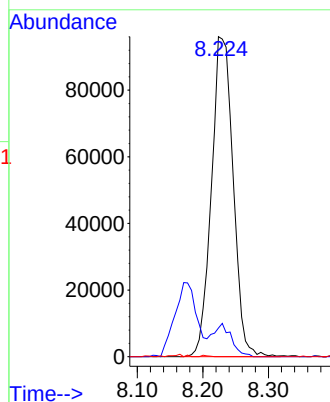
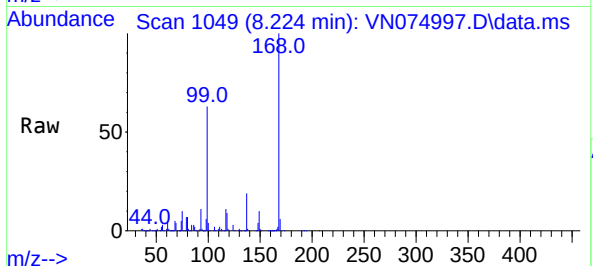




#36
1,1-Dichloropropene
Concen: 3.303 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

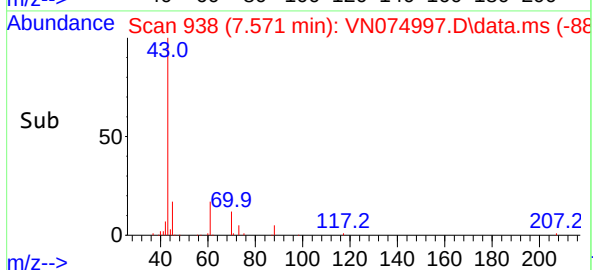
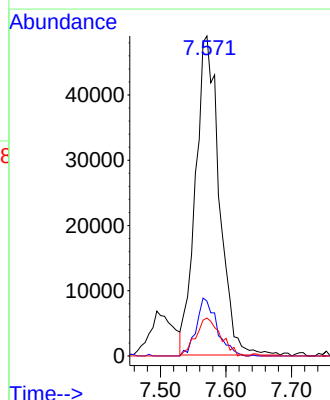
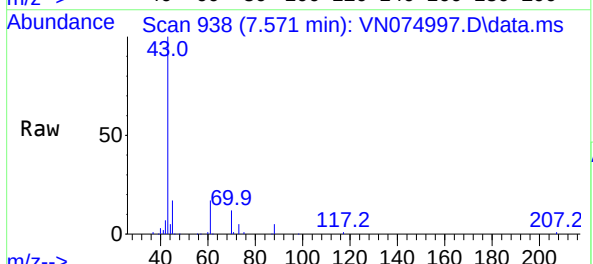
Instrument :
MSVOA_N
ClientSampleId :

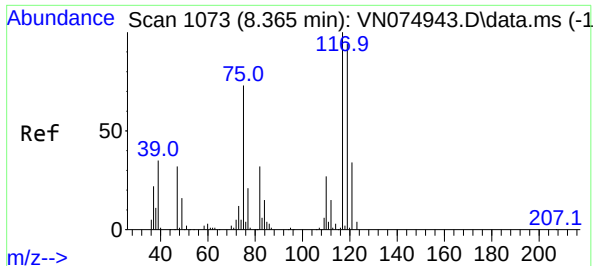
Tgt Ion: 75 Resp: 220650
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.567 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

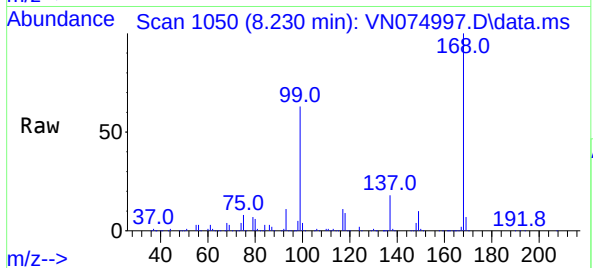
Tgt Ion: 43 Resp: 123267
Ion Ratio Lower Upper
43 100
61 15.7 12.1 18.1
70 12.3 9.2 13.8



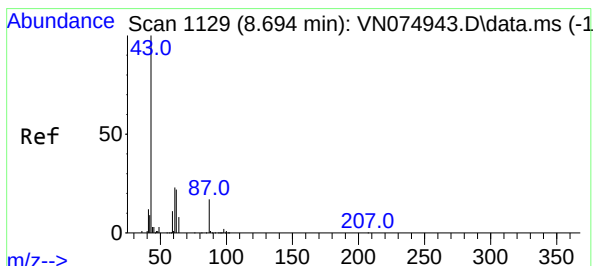
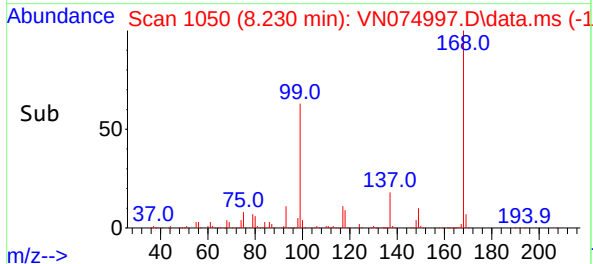
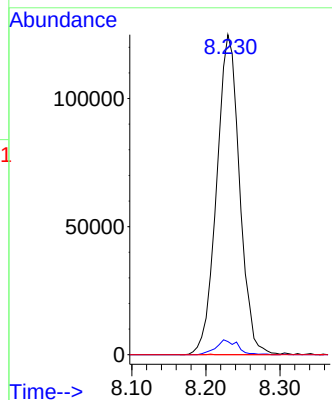


#38
Carbon Tetrachloride
Concen: 3.696 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

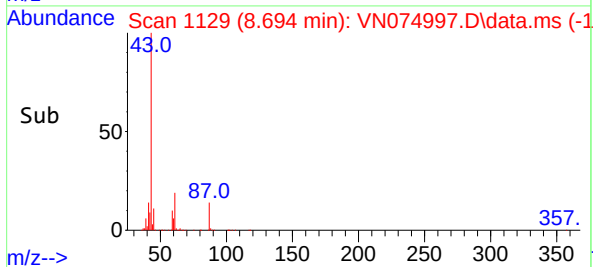
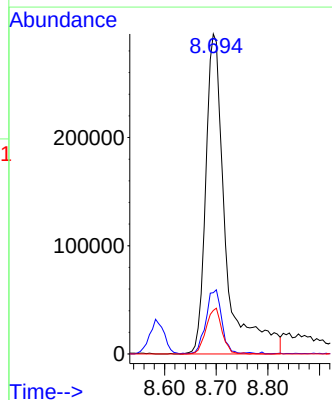
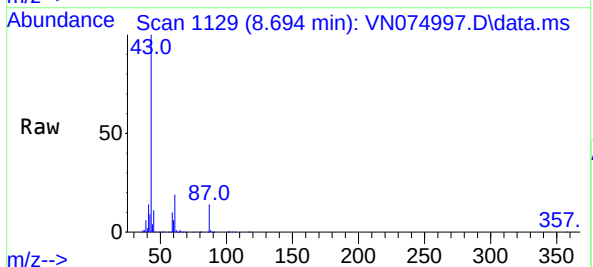


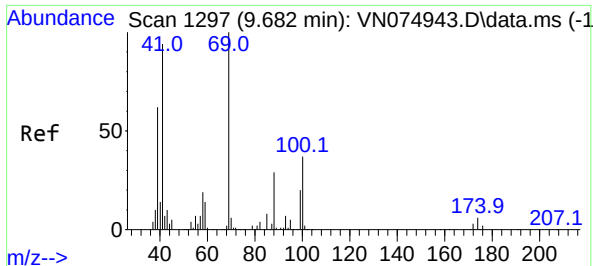
Tgt Ion:117 Resp: 268748
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 27.0 40.6#



#43
Isopropyl Acetate
Concen: 6.440 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 43 Resp: 785628
Ion Ratio Lower Upper
43 100
61 15.8 22.3 33.5#
87 11.5 12.8 19.2#





#48

Methyl methacrylate

Concen: 9.920 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN074997.D

Acq: 24 Oct 2022 20:39

Instrument :

MSVOA_N

ClientSampleId :

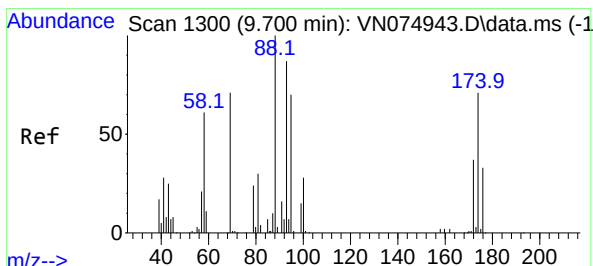
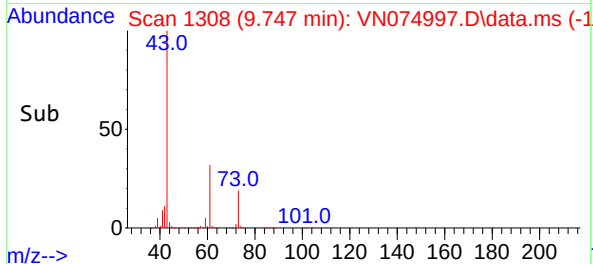
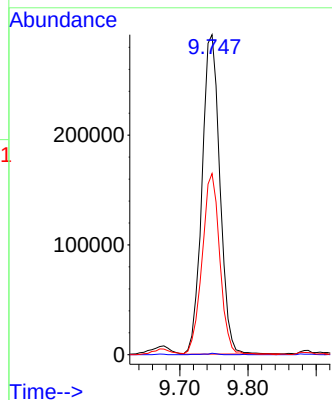
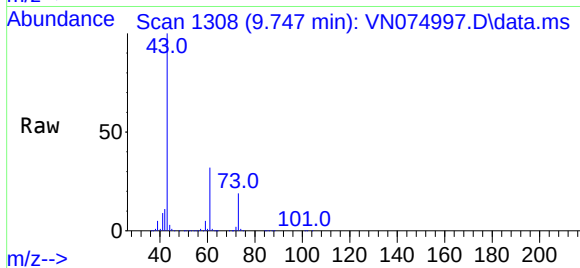
Tgt Ion: 41 Resp: 529178

Ion Ratio Lower Upper

41 100

69 0.3 79.7 119.5#

39 56.3 55.1 82.7



#49

1,4-Dioxane

Concen: 0.281 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. -0.018 min

Lab File: VN074997.D

Acq: 24 Oct 2022 20:39

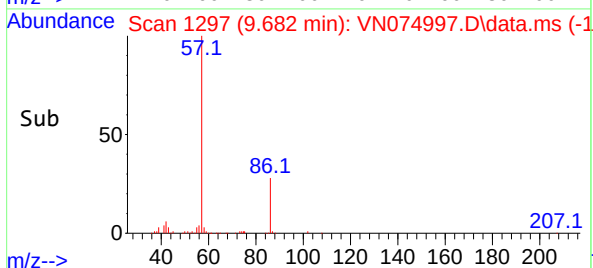
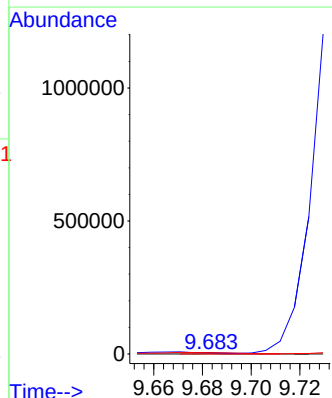
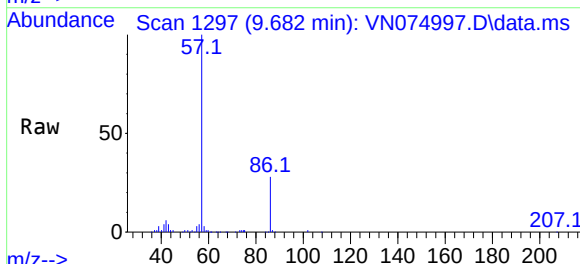
Tgt Ion: 88 Resp: 434

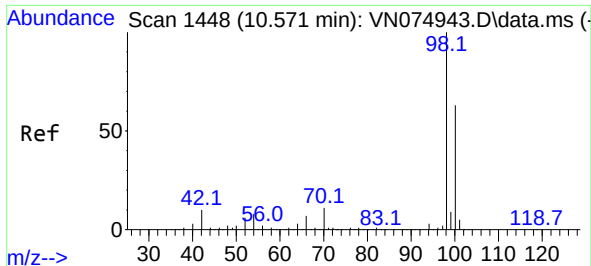
Ion Ratio Lower Upper

88 100

43 0.0 21.1 31.7#

58 3131.6 49.8 74.8#

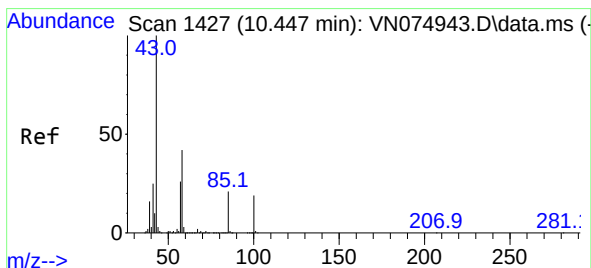
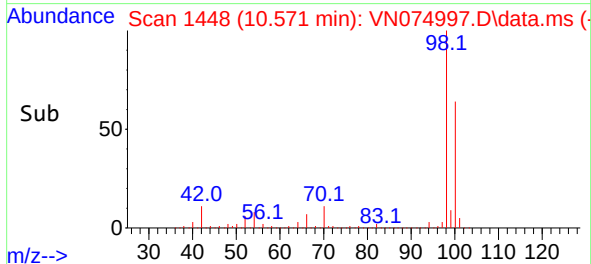
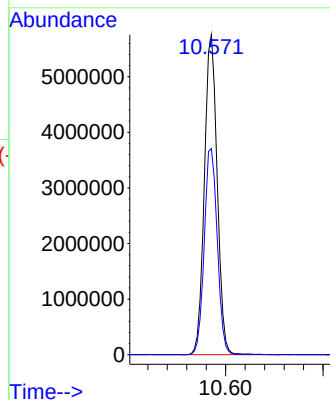
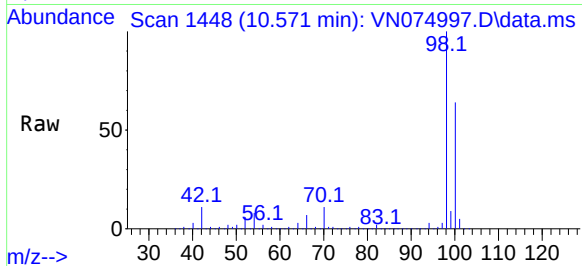




#50
Toluene-d8
Concen: 51.590 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

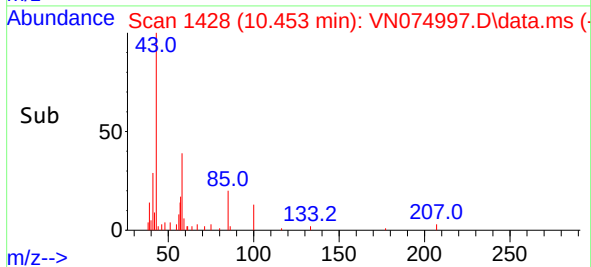
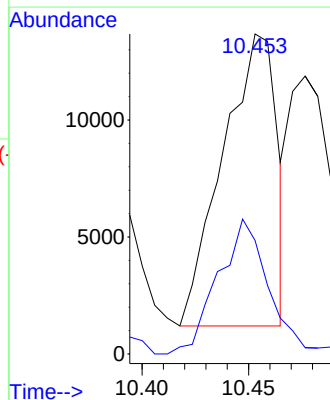
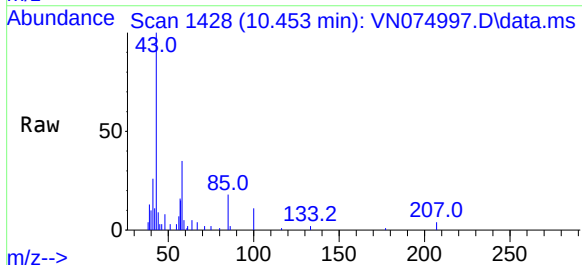
Instrument :
MSVOA_N
ClientSampleId :

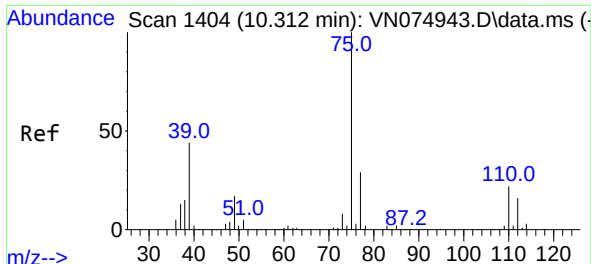
Tgt Ion: 98 Resp:10498639
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 0.274 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 43 Resp: 22117
Ion Ratio Lower Upper
43 100
58 43.5 33.6 50.4

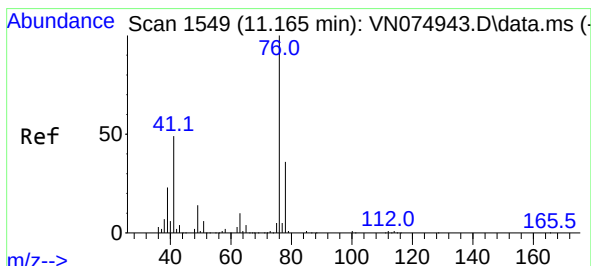
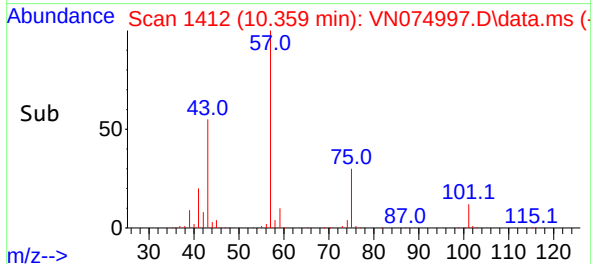
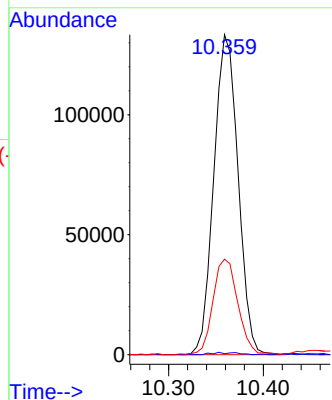
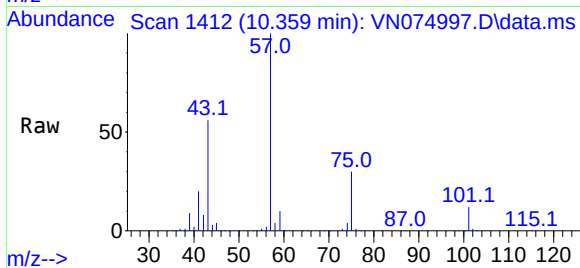




#54
 cis-1,3-Dichloropropene
 Concen: 2.777 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN074997.D
 Acq: 24 Oct 2022 20:39

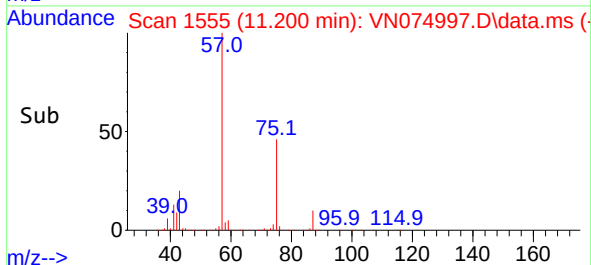
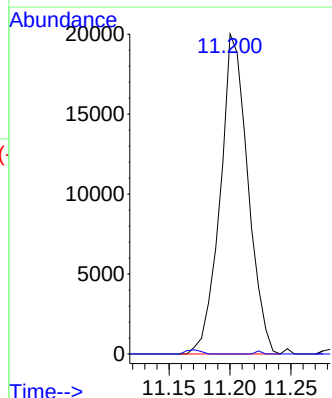
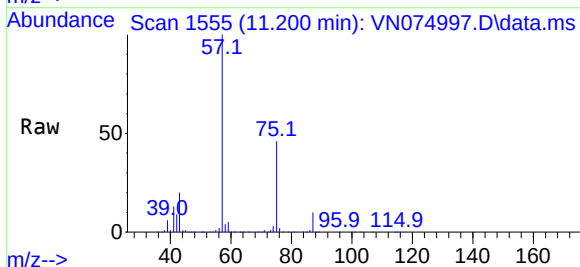
Instrument :
 MSVOA_N
 ClientSampleId :

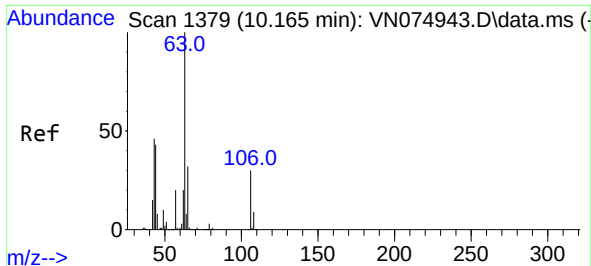
Tgt Ion: 75 Resp: 237575
 Ion Ratio Lower Upper
 75 100
 77 0.3 23.5 35.3#
 39 29.7 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 0.331 ug/l
 RT: 11.200 min Scan# 1555
 Delta R.T. 0.035 min
 Lab File: VN074997.D
 Acq: 24 Oct 2022 20:39

Tgt Ion: 76 Resp: 31665
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.4 39.6#

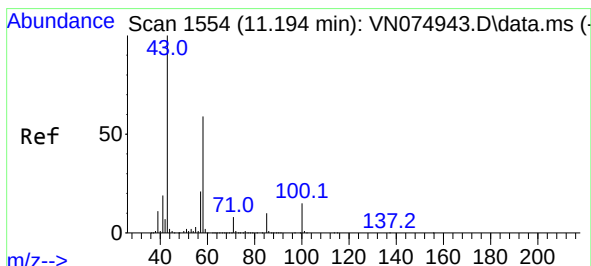
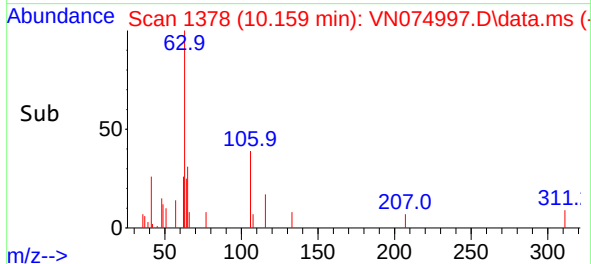
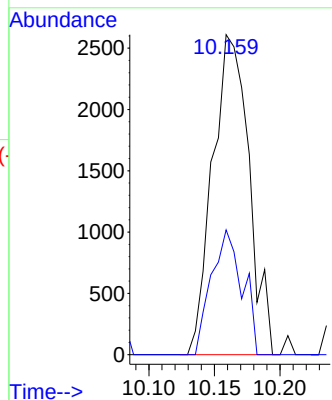
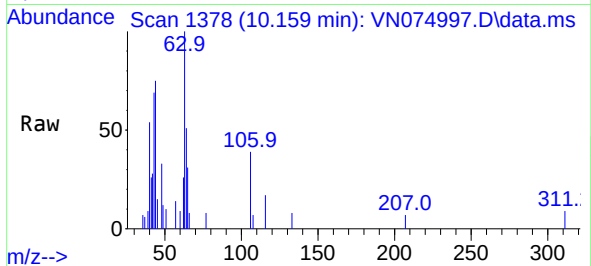




#58
2-Chloroethyl Vinyl ether
Concen: 3.739 ug/l
RT: 10.159 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

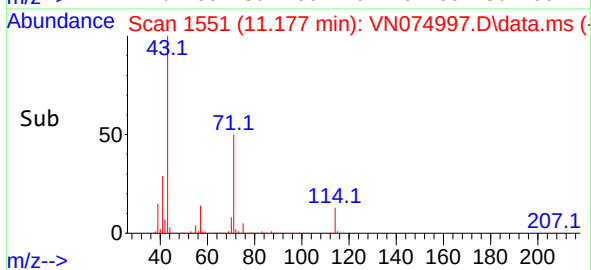
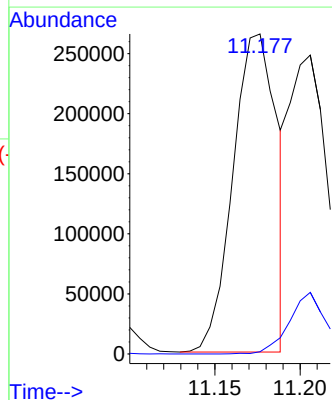
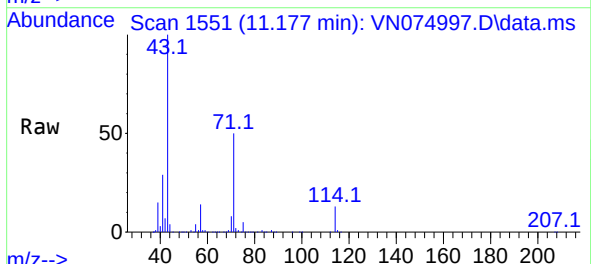
Instrument :
MSVOA_N
ClientSampleId :

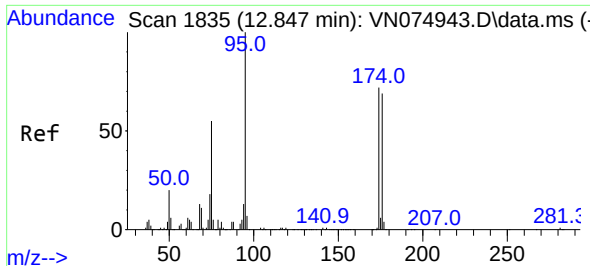
Tgt Ion: 63 Resp: 5035
Ion Ratio Lower Upper
63 100
106 33.2 24.1 36.1



#59
2-Hexanone
Concen: 7.732 ug/l
RT: 11.177 min Scan# 1551
Delta R.T. -0.018 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

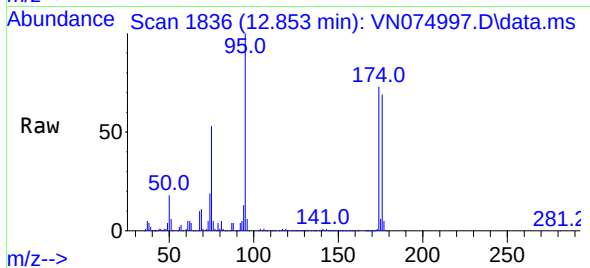
Tgt Ion: 43 Resp: 473878
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#





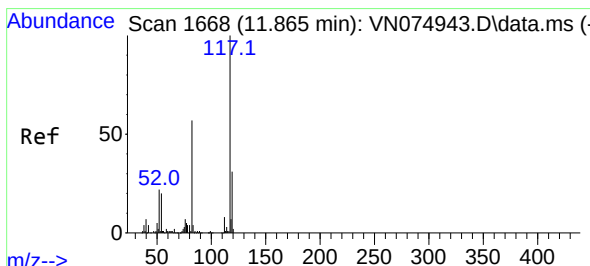
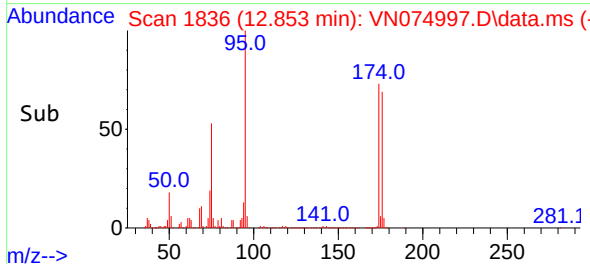
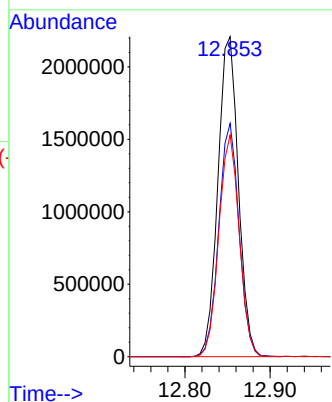
#62
4-Bromofluorobenzene
Concen: 51.419 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 95 Resp: 3691042

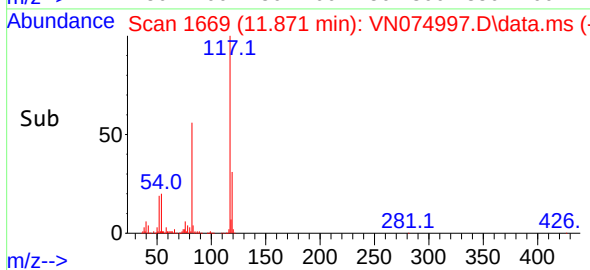
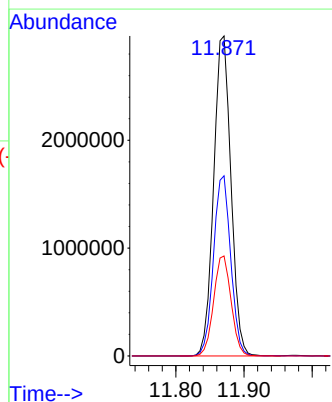
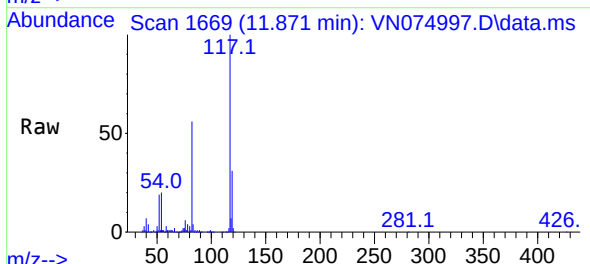
Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	143.0
176	68.8	0.0	138.2

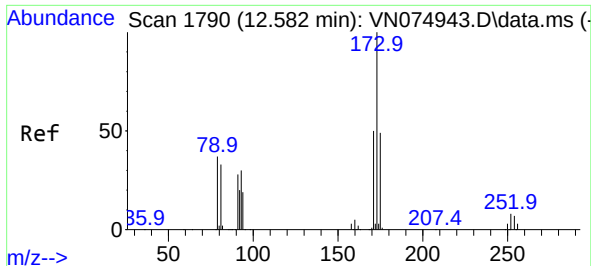


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 117 Resp: 5242018

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.6	68.4
119	31.2	25.1	37.7

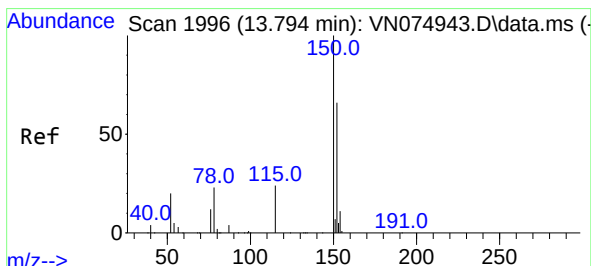
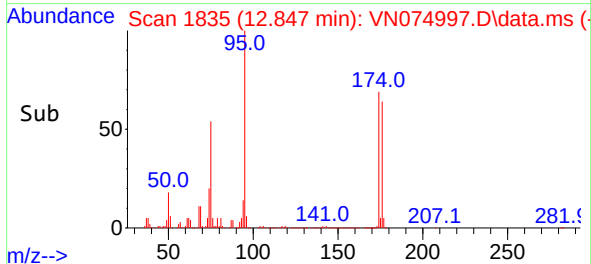
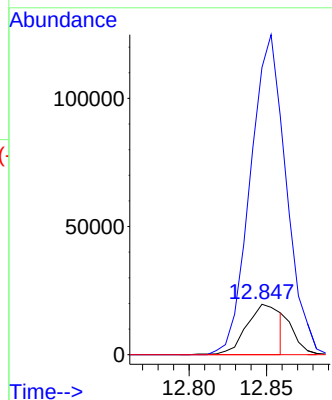
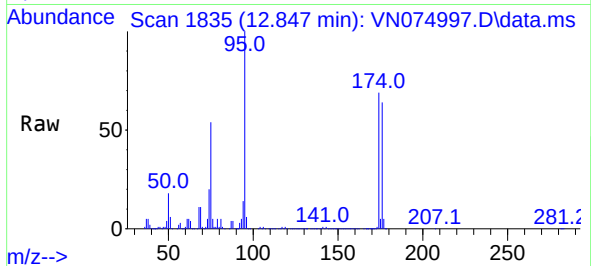




#71
Bromoform
Concen: 0.659 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

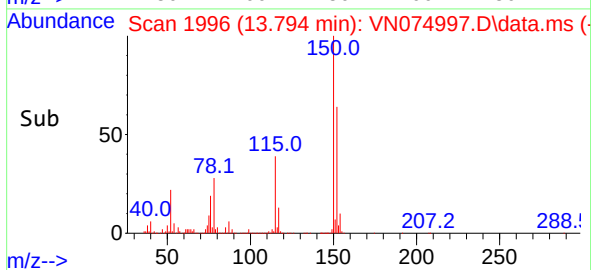
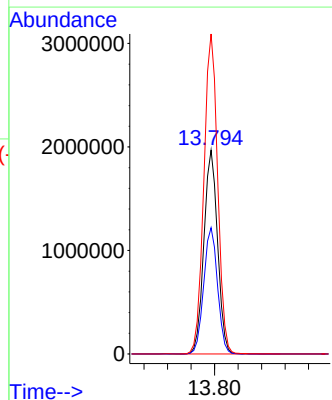
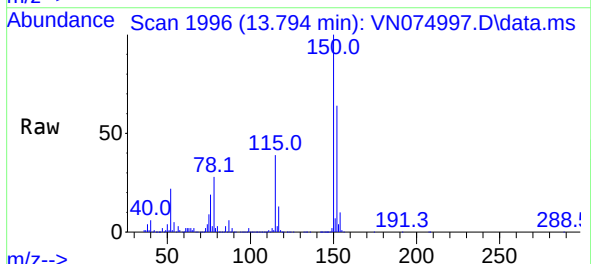
Instrument :
MSVOA_N
ClientSampleId :

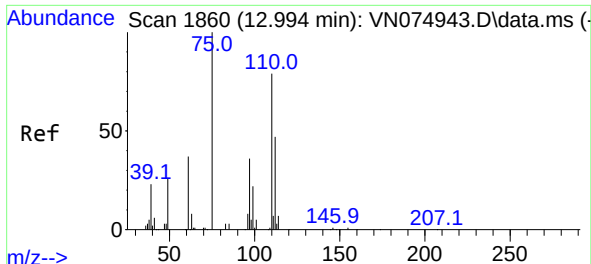
Tgt Ion:173 Resp: 29718
Ion Ratio Lower Upper
173 100
175 564.4 24.8 74.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion:152 Resp: 3178090
Ion Ratio Lower Upper
152 100
115 62.6 31.3 93.8
150 158.7 0.0 349.6

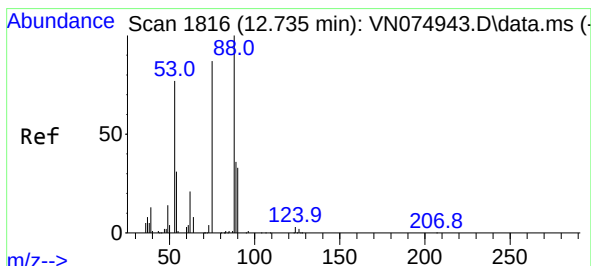
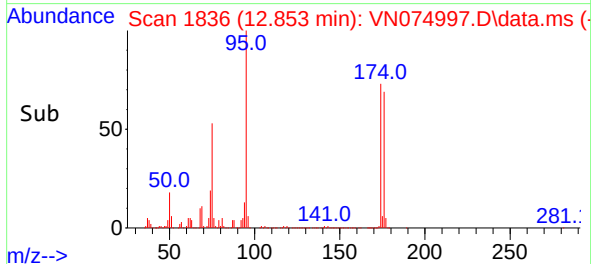
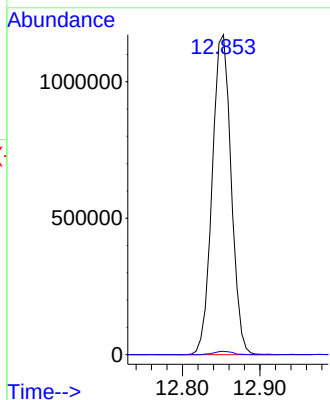
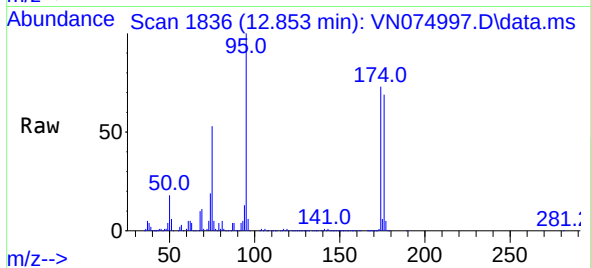




#76
1,2,3-Trichloropropane
Concen: 23.140 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 1994355
Ion Ratio Lower Upper
75 100
77 1.1 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.192 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074997.D
Acq: 24 Oct 2022 20:39

Tgt Ion: 75 Resp: 1994355
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#

