

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074296.D
 Acq On : 02 Sep 2022 19:46
 Operator : JC\MD
 Sample : N4329-04DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 03 04:41:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

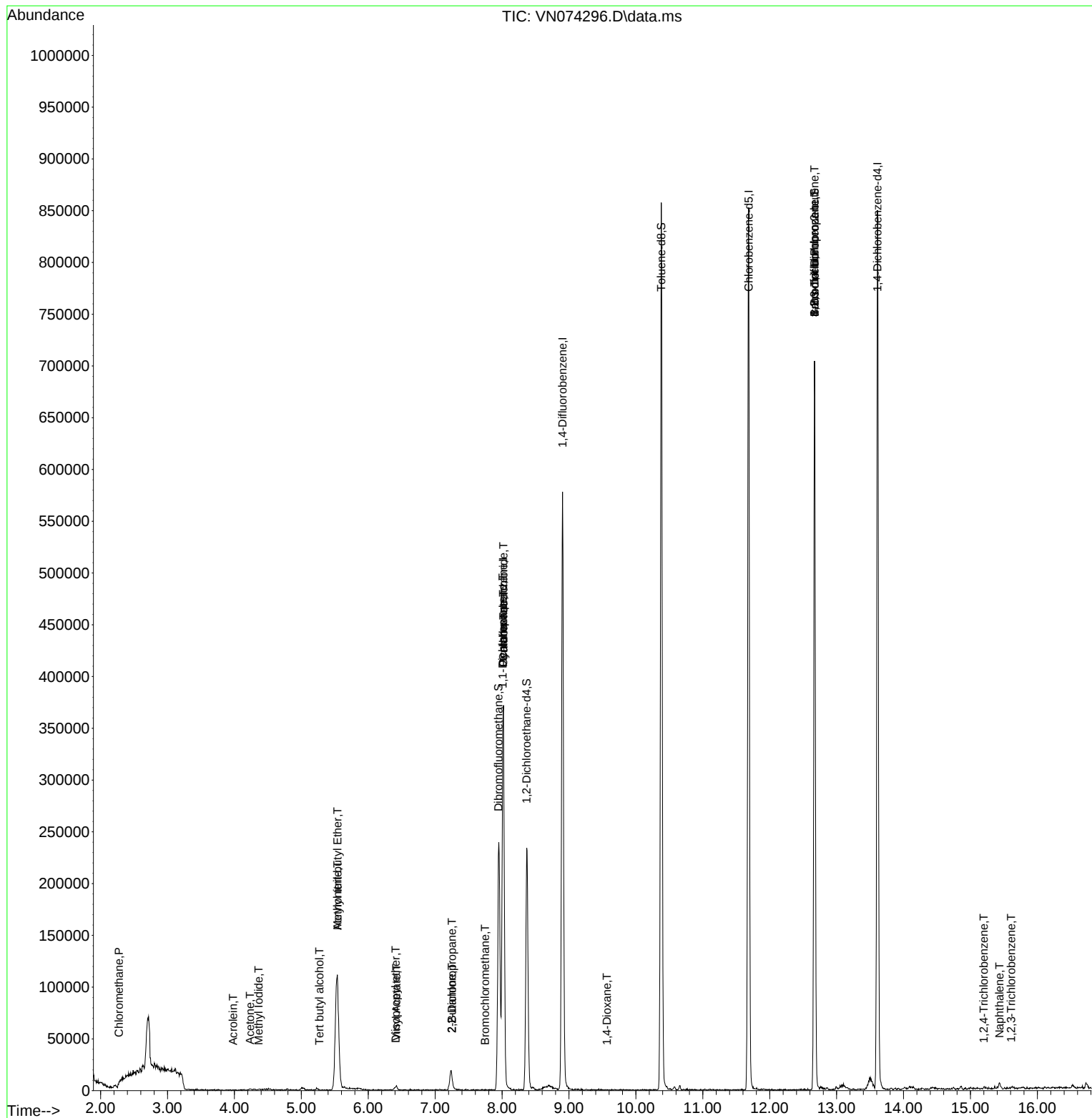
Internal Standards						
1) Pentafluorobenzene	8.016	168	272640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	488590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	474753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	217144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	186552	43.895	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.780%		
35) Dibromofluoromethane	7.945	113	164102	50.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.380%		
50) Toluene-d8	10.380	98	573550	44.925	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.860%		
62) 4-Bromofluorobenzene	12.669	95	208426	44.922	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.840%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	802	0.215	ug/l #	43
10) Methyl Iodide	4.363	142	69	5.071	ug/l #	44
11) Tert butyl alcohol	5.269	59	185	0.240	ug/l #	72
13) Acrolein	3.981	56	235	0.453	ug/l #	16
15) Acrylonitrile	5.540	53	2585	1.219	ug/l #	35
16) Acetone	4.234	43	1896	1.067	ug/l #	87
19) Methyl tert-butyl Ether	5.540	73	188052	17.679	ug/l	97
20) Methylene Chloride	5.004	84	1258	Below Cal	#	38
22) Diisopropyl ether	6.410	45	3633	0.359	ug/l #	72
23) Vinyl Acetate	6.422	43	3374	0.383	ug/l #	68
25) 2-Butanone	7.251	43	645	0.215	ug/l #	45
26) 2,2-Dichloropropane	7.251	77	1142	0.230	ug/l #	53
28) Bromochloromethane	7.745	49	60	0.277	ug/l #	8
31) Cyclohexane	8.016	56	8056	1.419	ug/l #	45
36) 1,1-Dichloropropene	8.010	75	24800	5.397	ug/l #	49
38) Carbon Tetrachloride	8.022	117	30188	6.503	ug/l #	16
49) 1,4-Dioxane	9.569	88	61	0.618	ug/l #	25
71) Bromoform	12.669	173	2716	0.973	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	124003	20.163	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	124003	65.455	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.198	180	151	0.891	ug/l #	1
95) Naphthalene	15.433	128	5659	1.118	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.610	180	203	0.462	ug/l	94

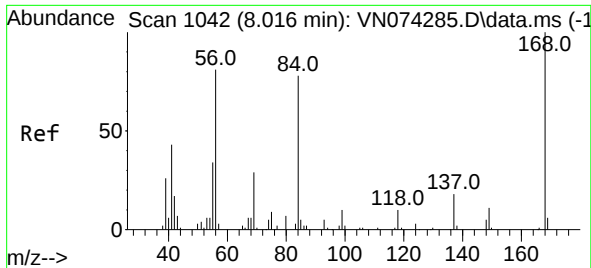
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN074296.D
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

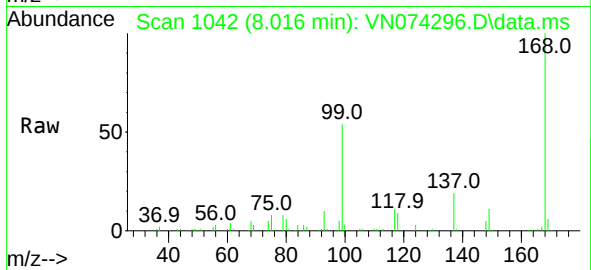
Quant Time: Sep 03 04:41:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
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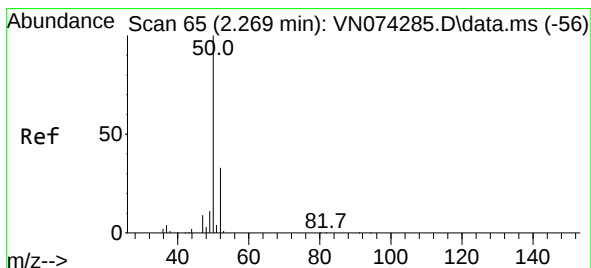
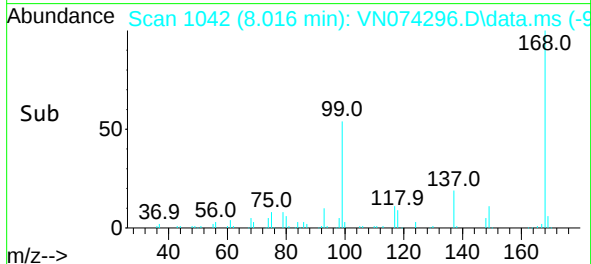
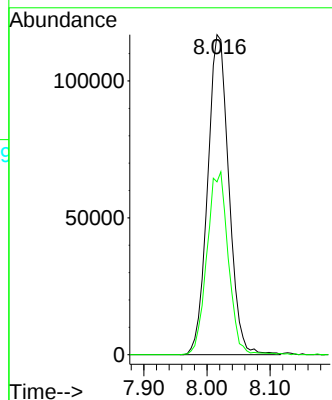


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Instrument :
MSVOA_N
ClientSampleId :

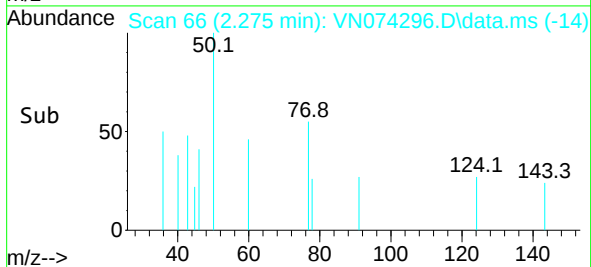
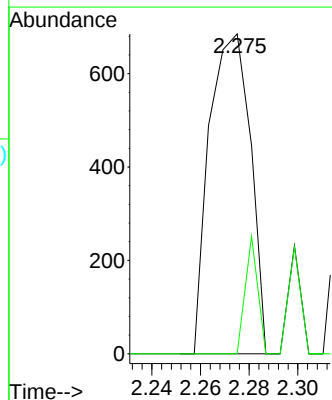
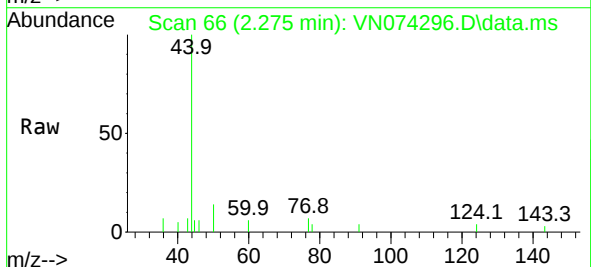


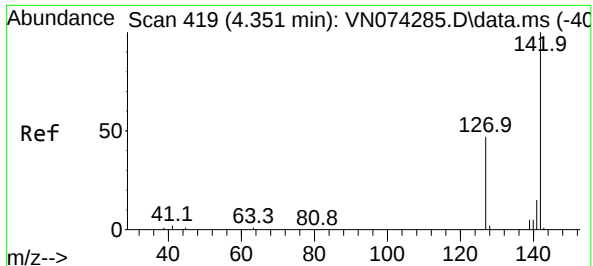
Tgt Ion:168 Resp: 272640
Ion Ratio Lower Upper
168 100
99 54.0 42.3 63.5



#3
Chloromethane
Concen: 0.215 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

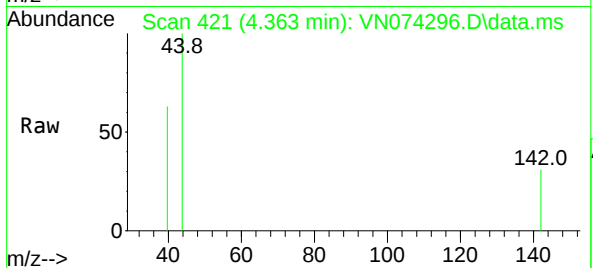
Tgt Ion: 50 Resp: 802
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



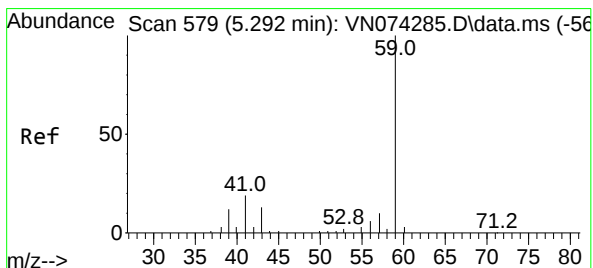
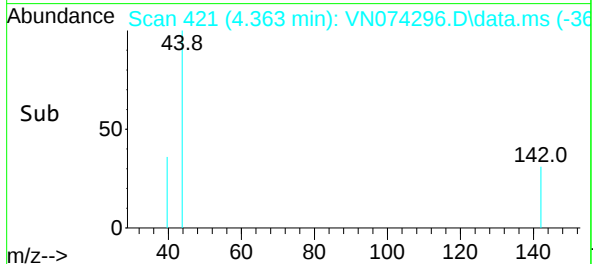
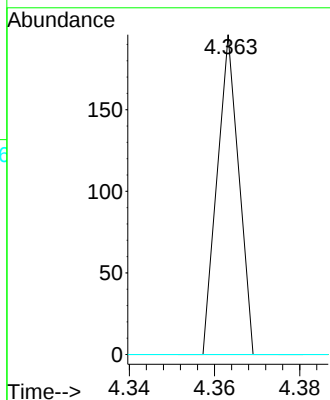


#10
Methyl Iodide
Concen: 5.071 ug/l
RT: 4.363 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Instrument :
MSVOA_N
ClientSampleId :

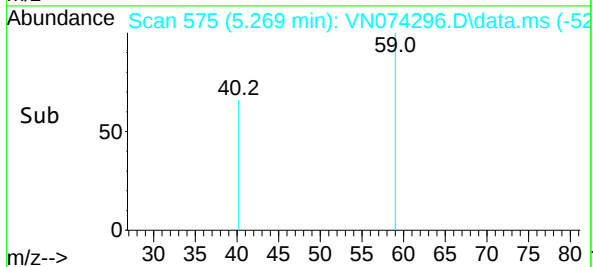
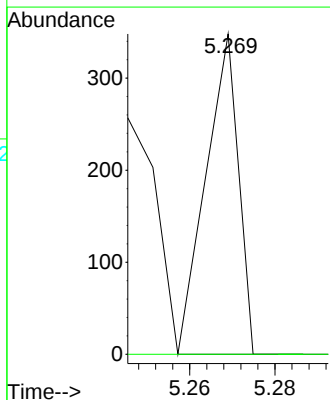
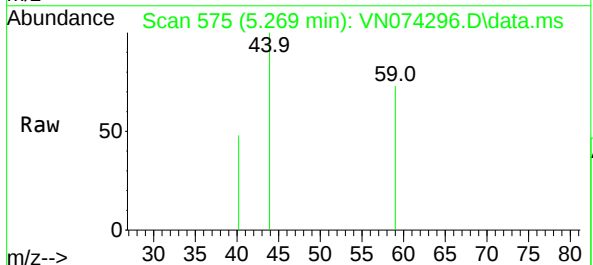


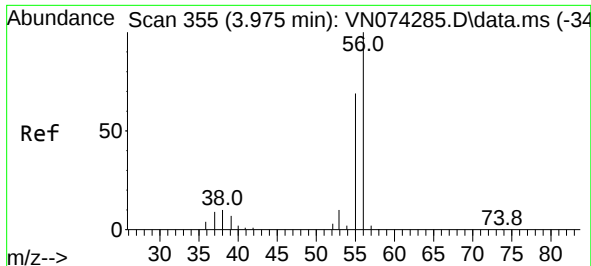
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.240 ug/l
RT: 5.269 min Scan# 575
Delta R.T. -0.018 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.453 ug/l

RT: 3.981 min Scan# 356

Delta R.T. 0.006 min

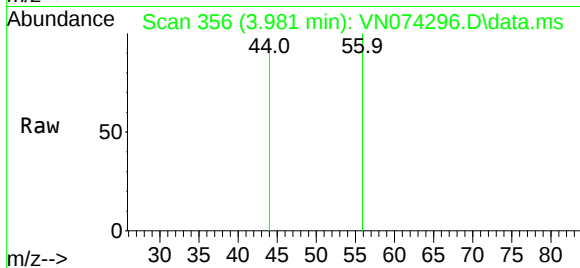
Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

Instrument :

MSVOA_N

ClientSampleId :

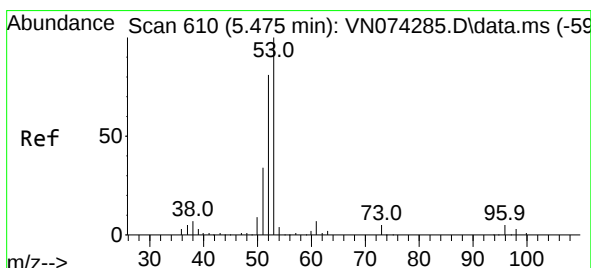
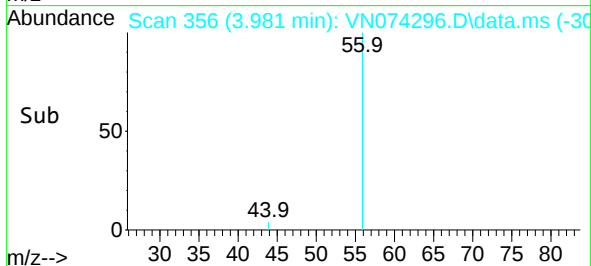
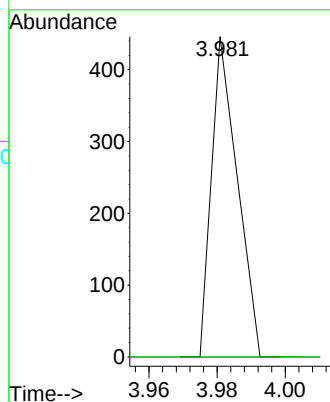


Tgt Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#15

Acrylonitrile

Concen: 1.219 ug/l

RT: 5.540 min Scan# 621

Delta R.T. 0.071 min

Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

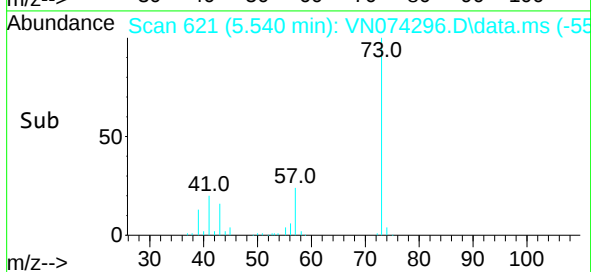
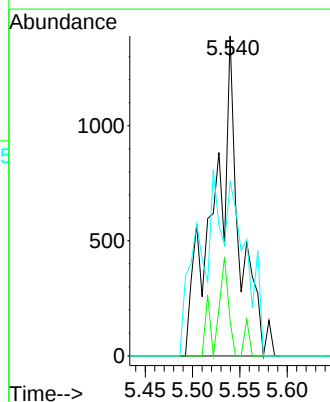
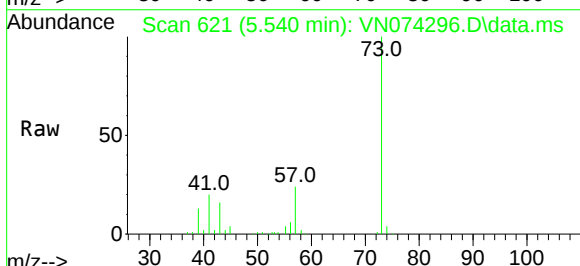
Tgt Ion: 53 Resp: 2585

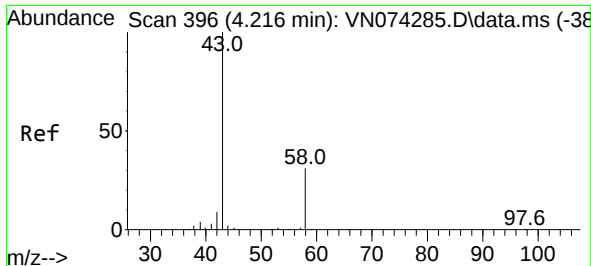
Ion Ratio Lower Upper

53 100

52 14.3 66.4 99.6#

51 12.2 28.5 42.7#





#16

Acetone

Concen: 1.067 ug/l

RT: 4.234 min Scan# 396

Delta R.T. 0.012 min

Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

Instrument :

MSVOA_N

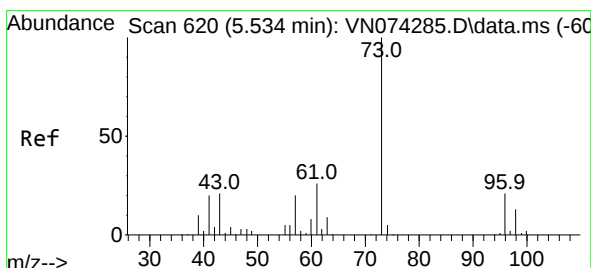
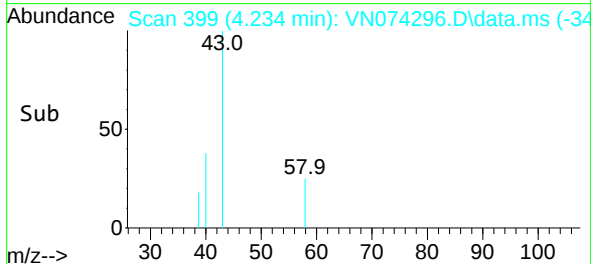
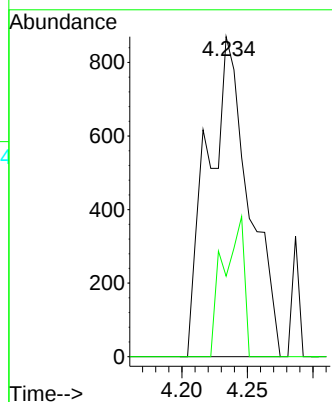
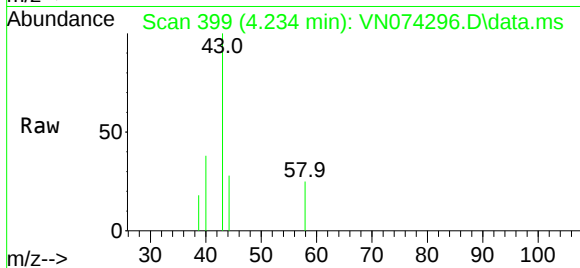
ClientSampleId :

Tgt Ion: 43 Resp: 1896

Ion Ratio Lower Upper

43 100

58 25.2 26.0 39.0#



#19

Methyl tert-butyl Ether

Concen: 17.679 ug/l

RT: 5.540 min Scan# 621

Delta R.T. 0.006 min

Lab File: VN074296.D

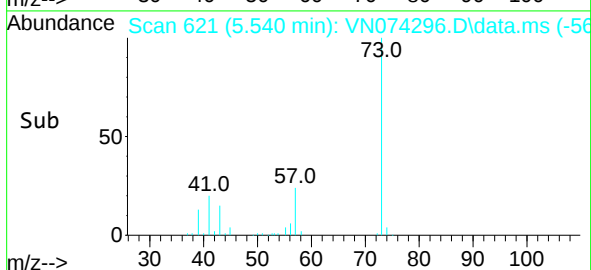
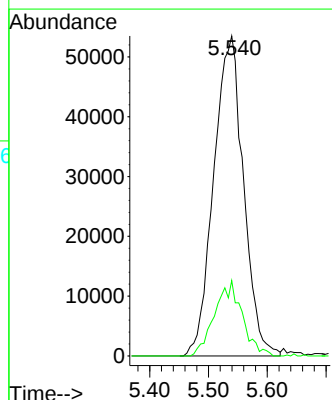
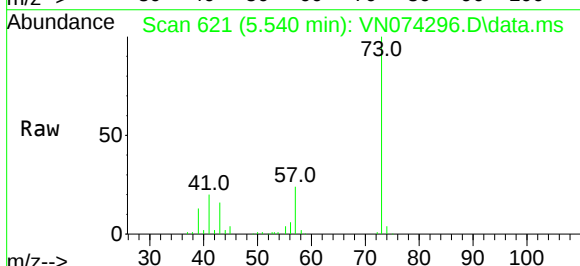
Acq: 02 Sep 2022 19:46

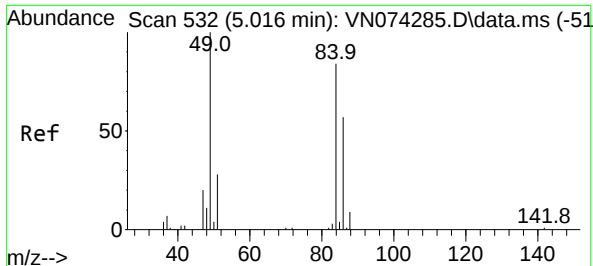
Tgt Ion: 73 Resp: 188052

Ion Ratio Lower Upper

73 100

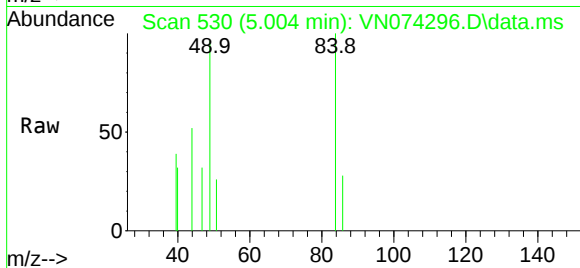
57 23.5 17.6 26.4



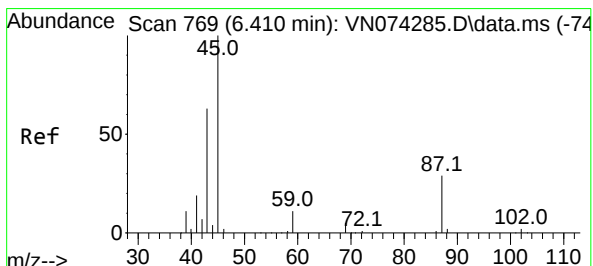
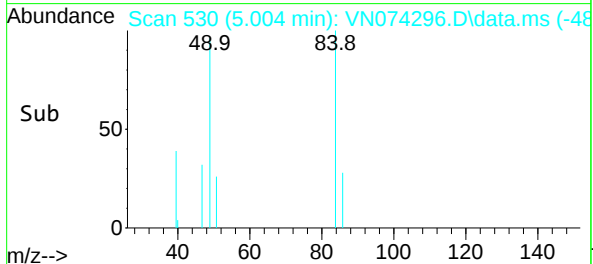
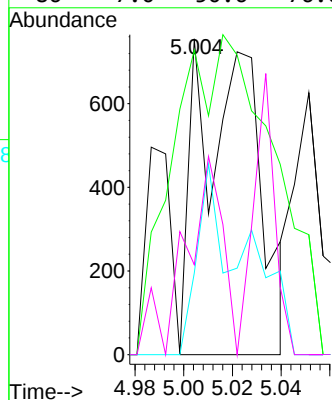


#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Instrument :
MSVOA_N
ClientSampleId :

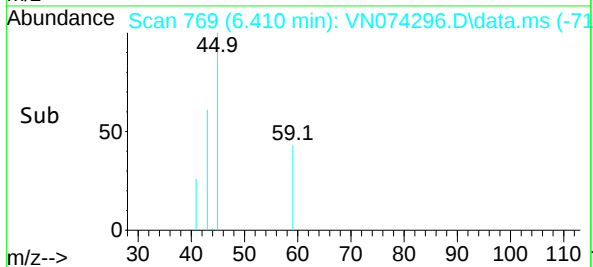
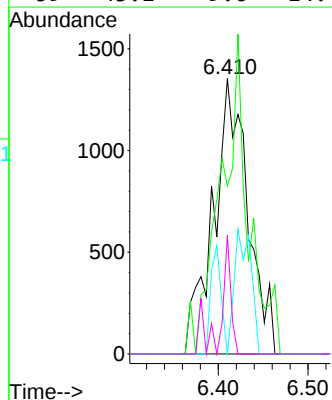
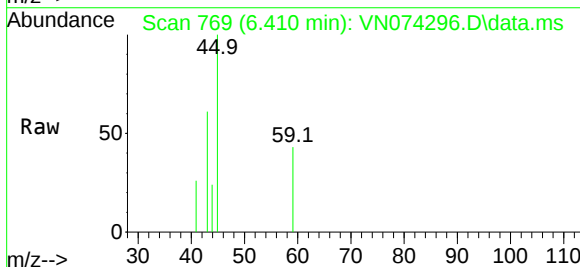


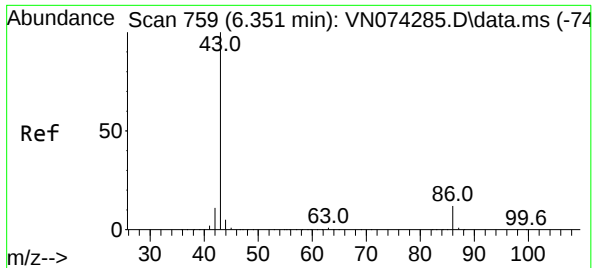
Tgt Ion:	84	Resp:	1258
Ion	Ratio	Lower	Upper
84	100		
49	36.2	88.3	132.5#
51	25.8	28.2	42.2#
86	7.0	50.6	76.0#



#22
Diisopropyl ether
Concen: 0.359 ug/l
RT: 6.410 min Scan# 769
Delta R.T. -0.006 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Tgt Ion:	45	Resp:	3633
Ion	Ratio	Lower	Upper
45	100		
43	60.9	46.6	70.0
87	0.0	24.3	36.5#
59	43.1	9.6	14.4#

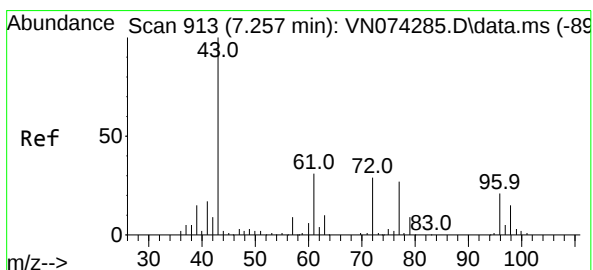
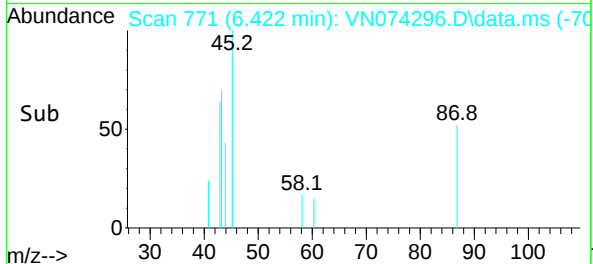
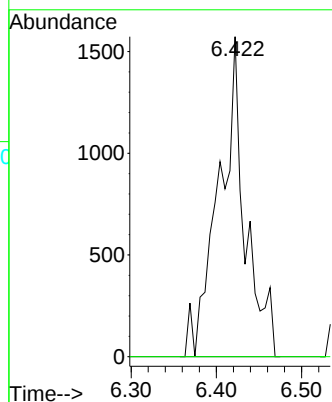
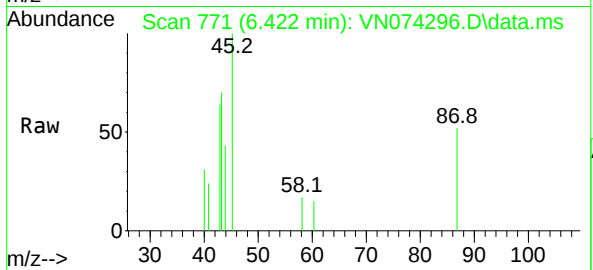




#23
 Vinyl Acetate
 Concen: 0.383 ug/l
 RT: 6.422 min Scan# 71
 Delta R.T. 0.071 min
 Lab File: VN074296.D
 Acq: 02 Sep 2022 19:46

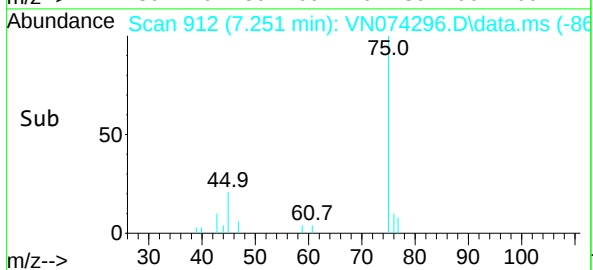
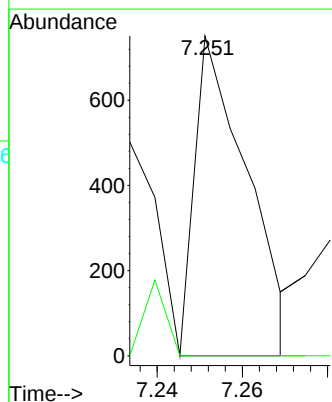
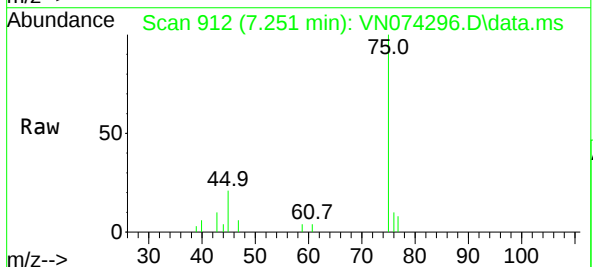
Instrument :
 MSVOA_N
 ClientSampleId :

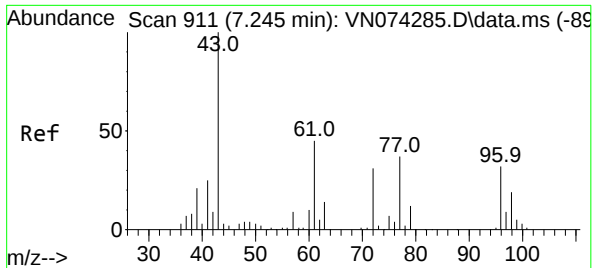
Tgt Ion: 43 Resp: 3374
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 0.215 ug/l
 RT: 7.251 min Scan# 912
 Delta R.T. -0.006 min
 Lab File: VN074296.D
 Acq: 02 Sep 2022 19:46

Tgt Ion: 43 Resp: 645
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#

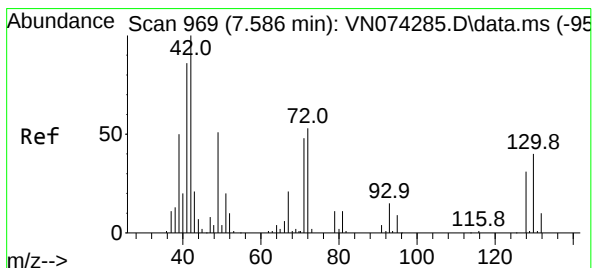
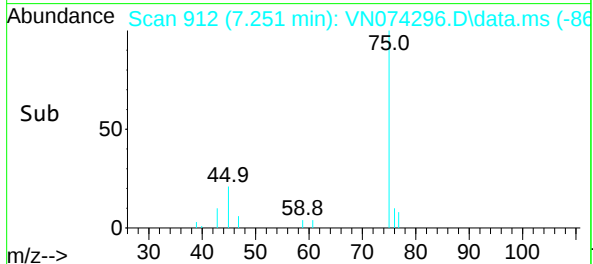
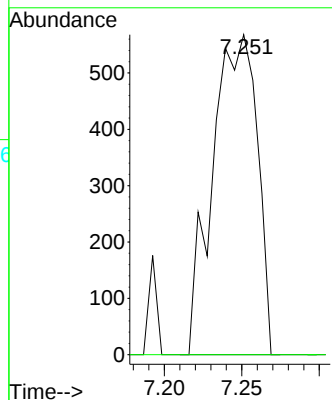
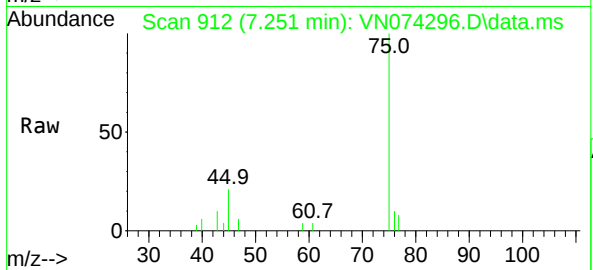




#26
2,2-Dichloropropane
Concen: 0.230 ug/l
RT: 7.251 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

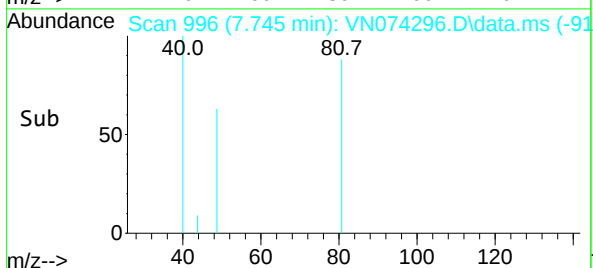
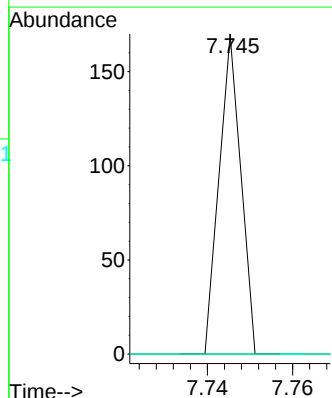
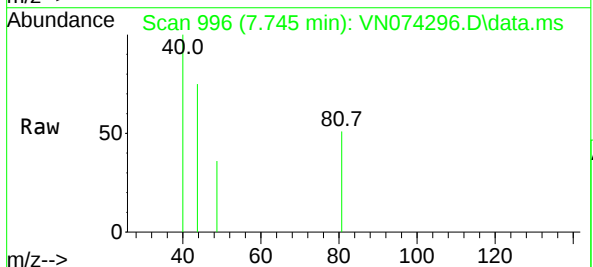
Instrument :
MSVOA_N
ClientSampleId :

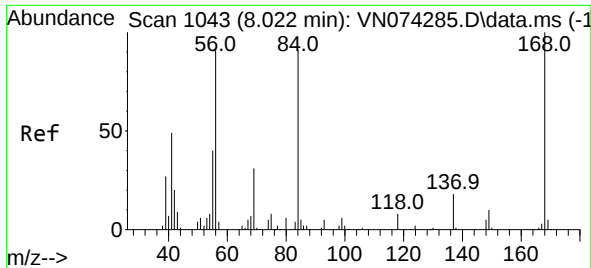
Tgt Ion: 77 Resp: 1142
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#28
Bromochloromethane
Concen: 0.277 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.159 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

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

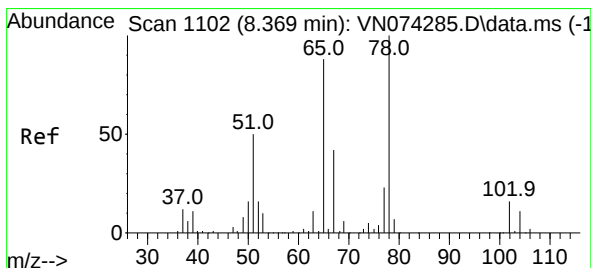
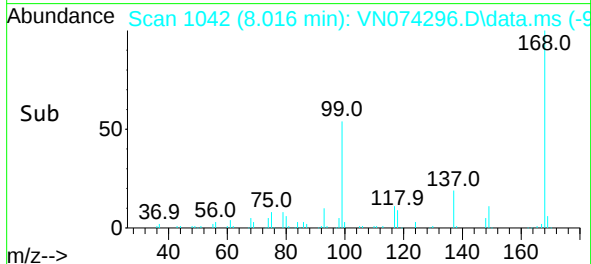
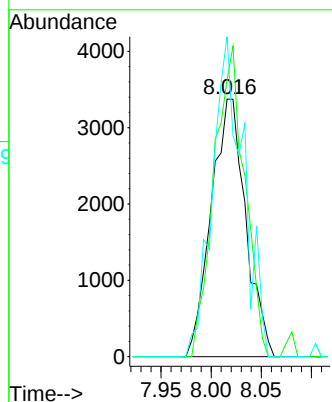
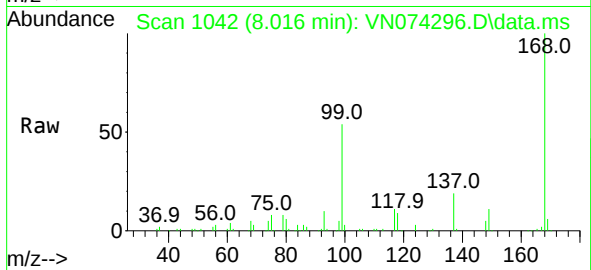




#31
Cyclohexane
Concen: 1.419 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

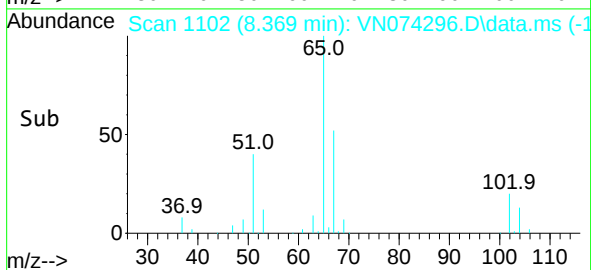
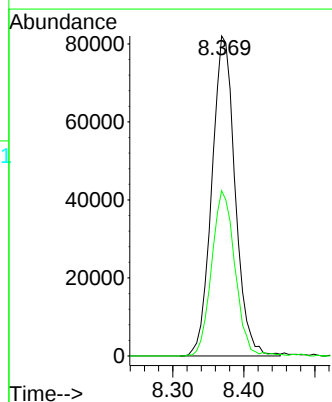
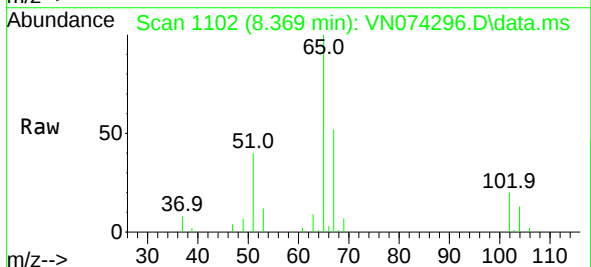
Instrument :
MSVOA_N
ClientSampleId :

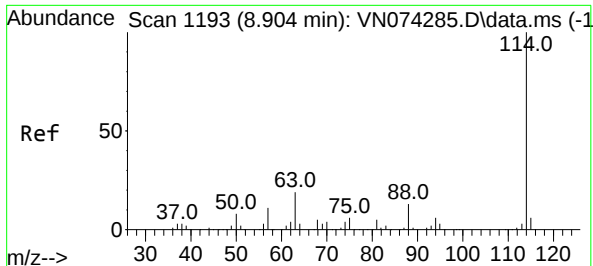
Tgt Ion: 56 Resp: 8056
Ion Ratio Lower Upper
56 100
69 107.5 27.8 41.8#
84 124.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.895 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Tgt Ion: 65 Resp: 186552
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

Instrument :

MSVOA_N

ClientSampleId :

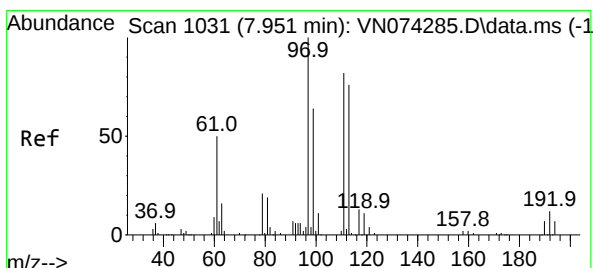
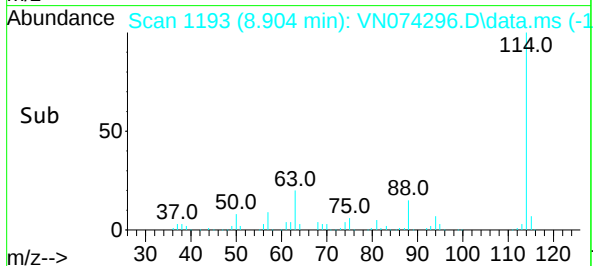
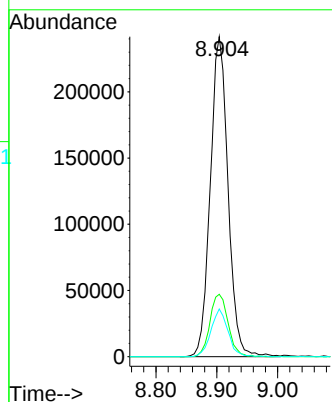
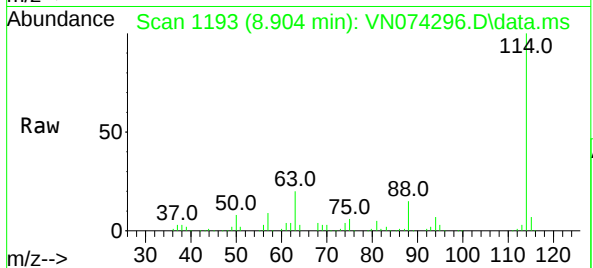
Tgt Ion:114 Resp: 488590

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.686 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

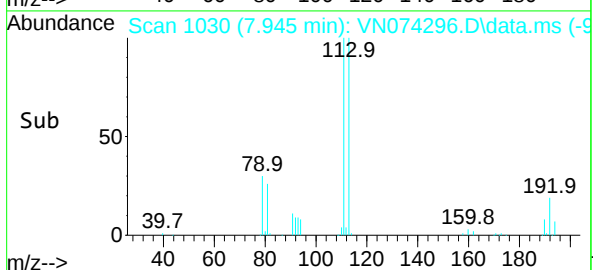
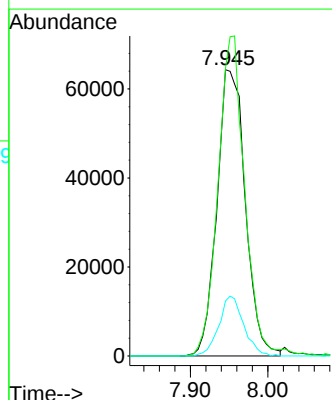
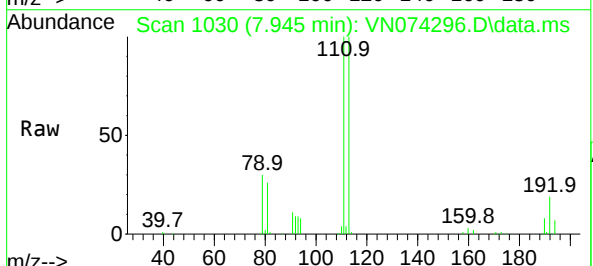
Tgt Ion:113 Resp: 164102

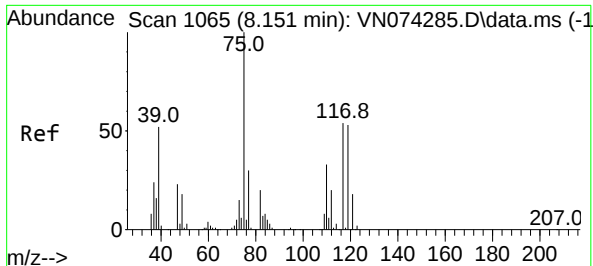
Ion Ratio Lower Upper

113 100

111 105.5 81.4 122.0

192 18.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.397 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.147 min

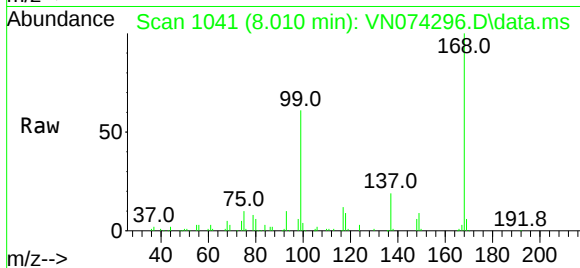
Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

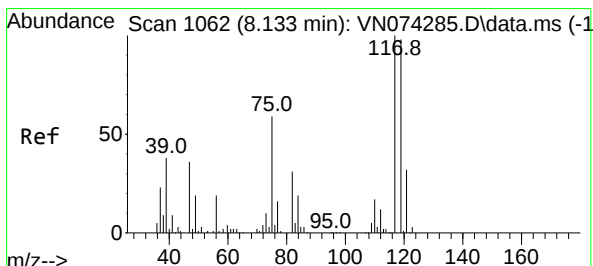
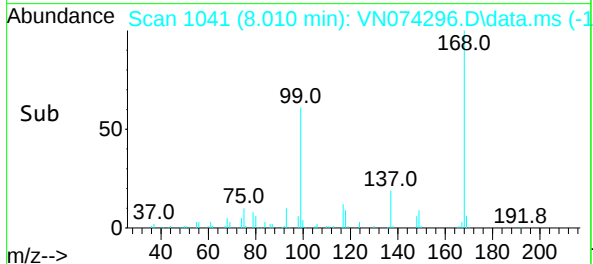
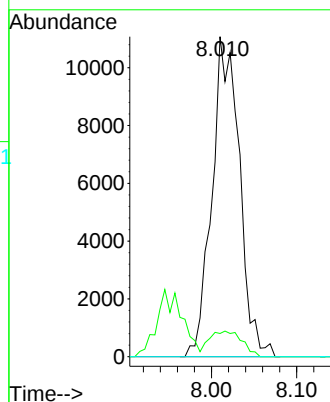
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 24800
Ion Ratio	Lower Upper
75	100
110	9.6 18.3 54.8#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.503 ug/l

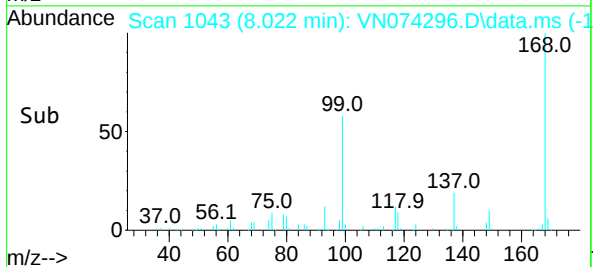
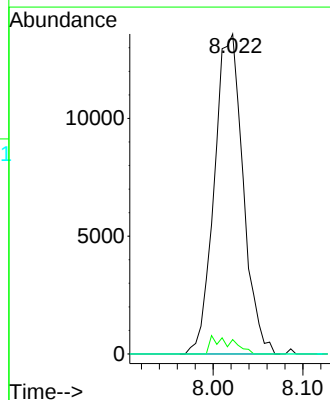
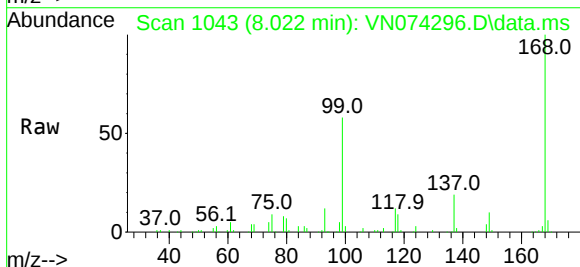
RT: 8.022 min Scan# 1043

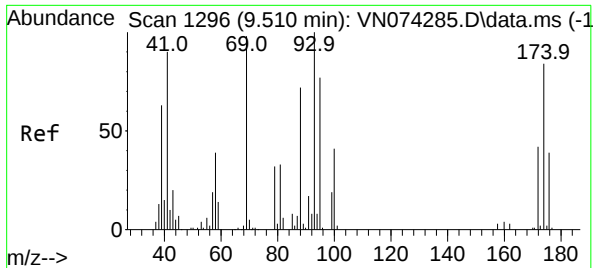
Delta R.T. -0.111 min

Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

Tgt Ion: 117	Resp: 30188
Ion Ratio	Lower Upper
117	100
119	4.5 75.8 113.8#
121	0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 0.618 ug/l

RT: 9.569 min Scan# 11

Delta R.T. 0.065 min

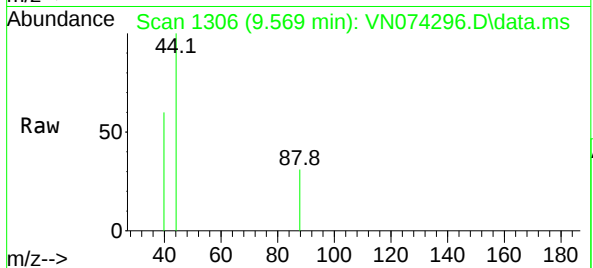
Lab File: VN074296.D

Acq: 02 Sep 2022 19:46

Instrument :

MSVOA_N

ClientSampleId :



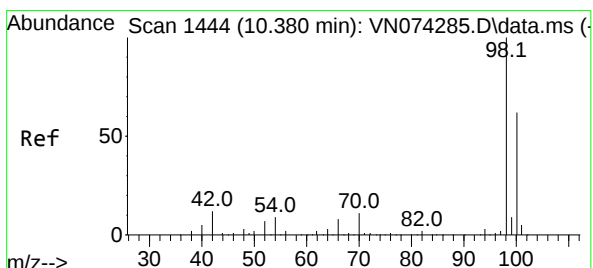
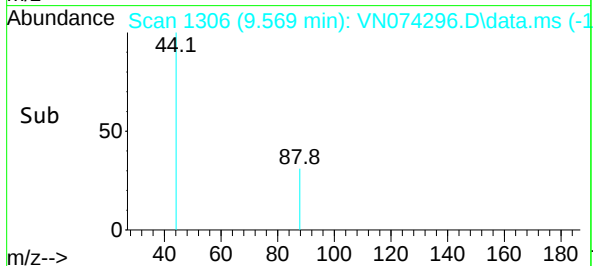
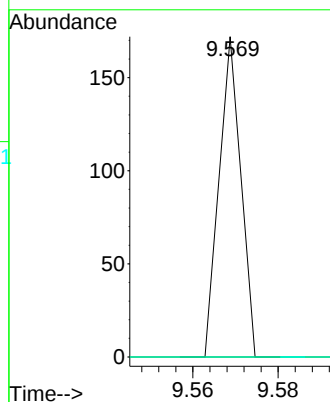
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 44.925 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074296.D

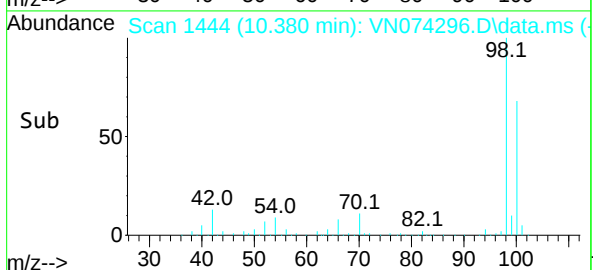
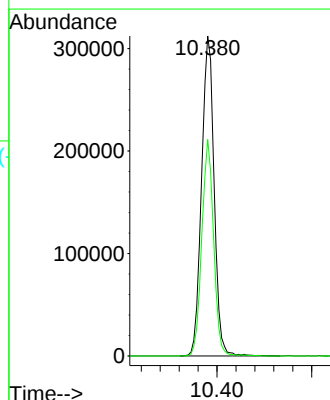
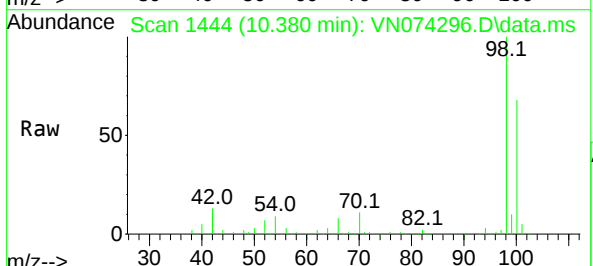
Acq: 02 Sep 2022 19:46

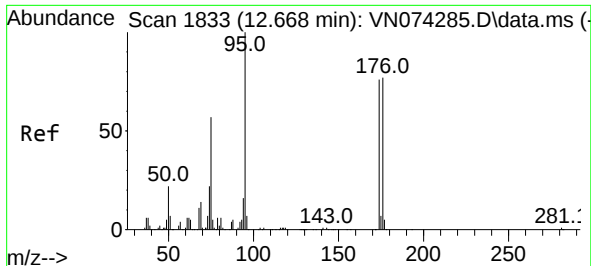
Tgt Ion: 98 Resp: 573550

Ion Ratio Lower Upper

98 100

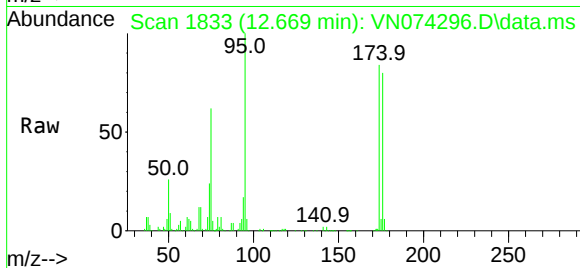
100 63.5 52.6 78.8



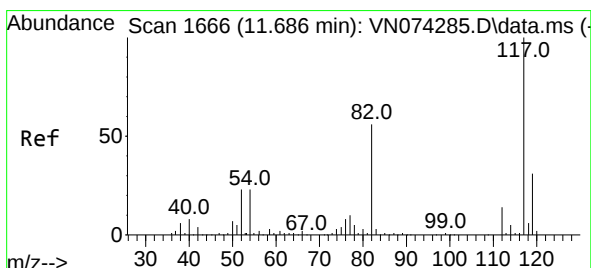
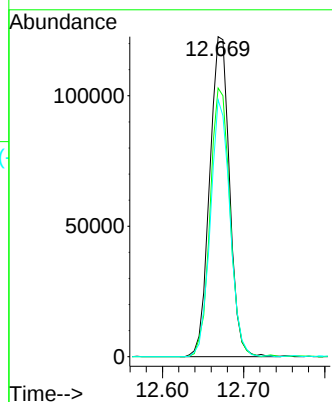
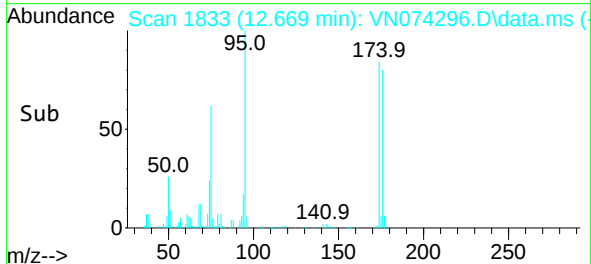


#62
4-Bromofluorobenzene
Concen: 44.922 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Instrument :
MSVOA_N
ClientSampleId :

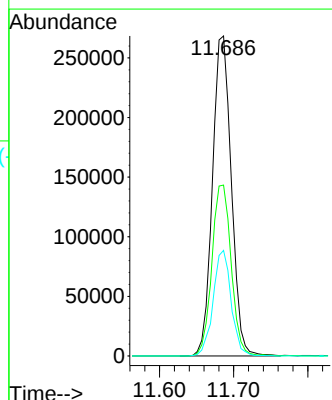
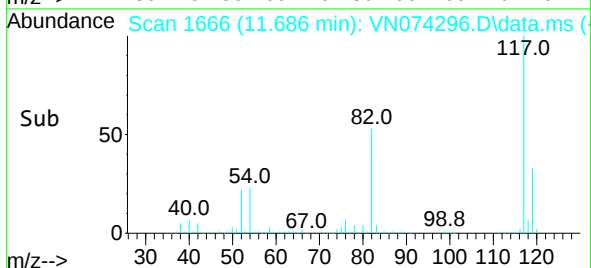
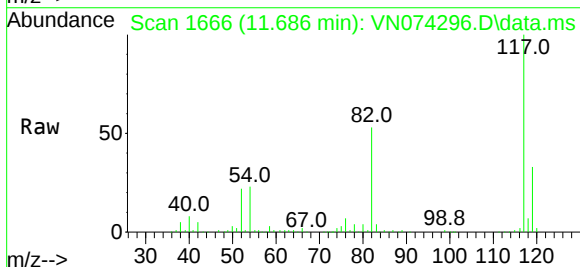


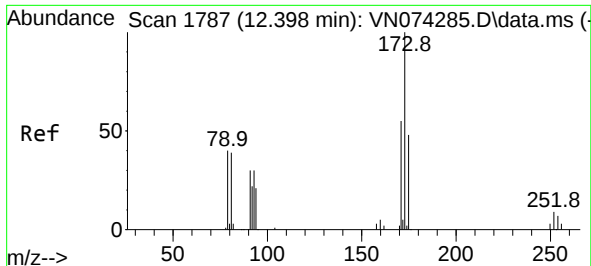
Tgt Ion: 95 Resp: 208426
Ion Ratio Lower Upper
95 100
174 83.4 0.0 167.6
176 78.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

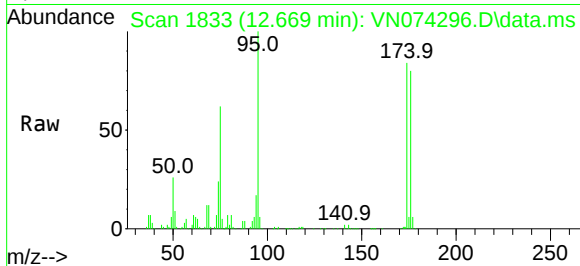
Tgt Ion: 117 Resp: 474753
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 33.0 25.4 38.0



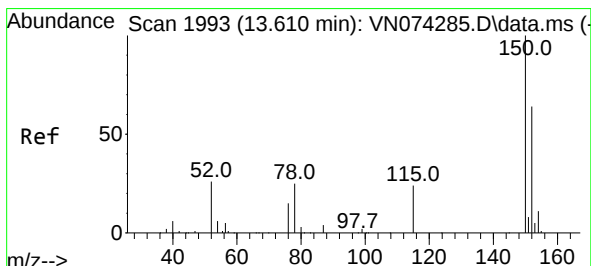
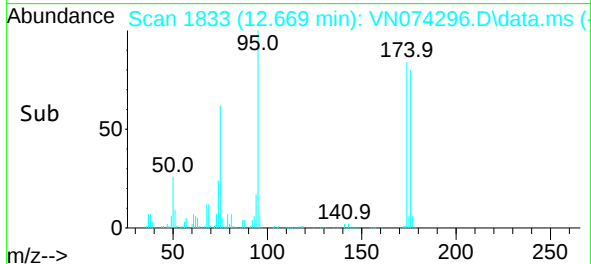
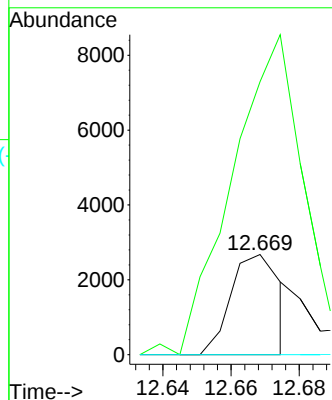


#71
Bromoform
Concen: 0.973 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Instrument :
MSVOA_N
ClientSampleId :

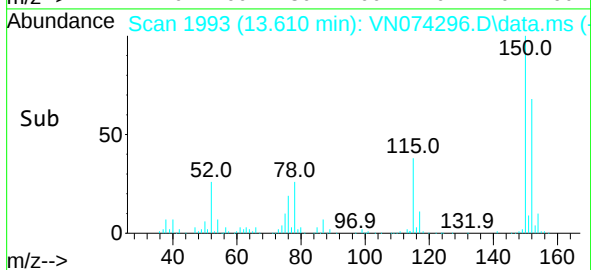
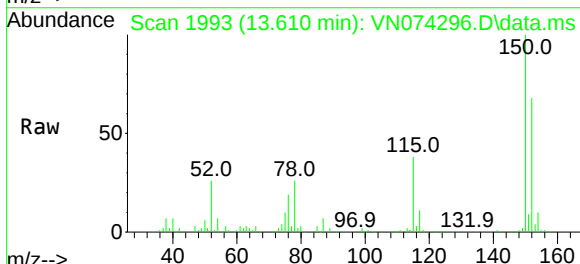
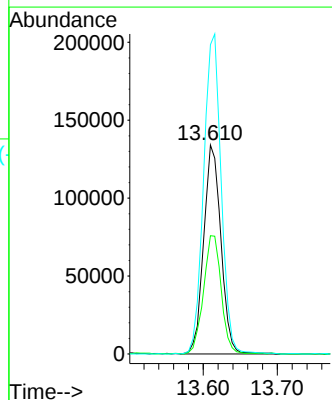


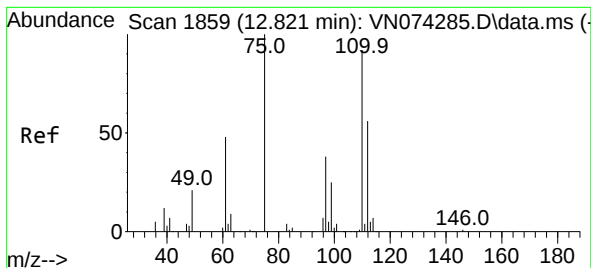
Tgt Ion:173 Resp: 2716
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Tgt Ion:152 Resp: 217144
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.7
150 155.5 0.0 356.2

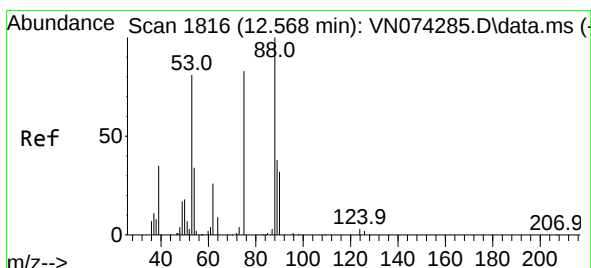
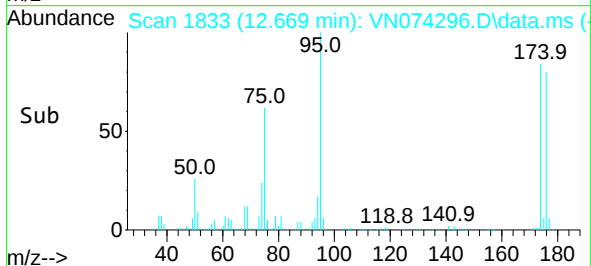
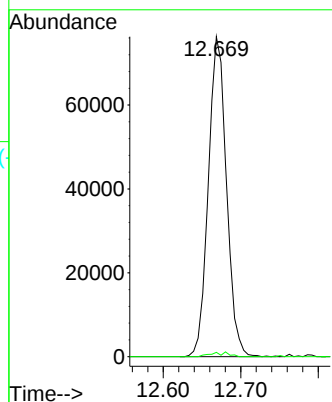
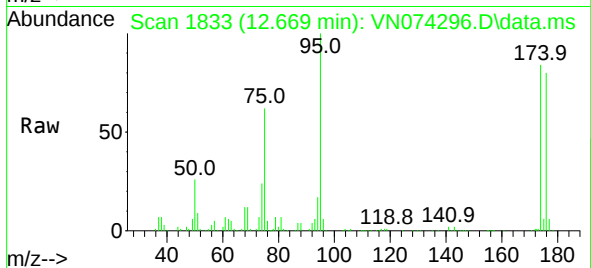




#76
1,2,3-Trichloropropane
Concen: 20.163 ug/l
RT: 12.669 min Scan# 1859
Delta R.T. -0.152 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

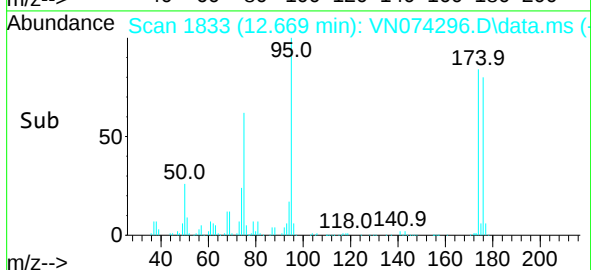
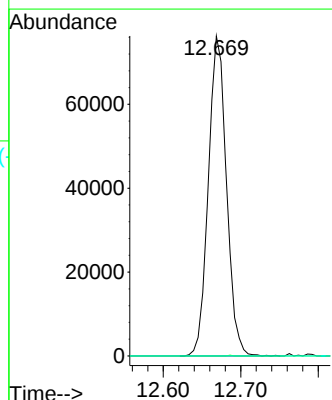
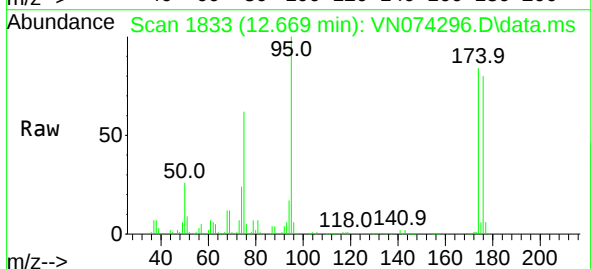
Instrument :
MSVOA_N
ClientSampleId :

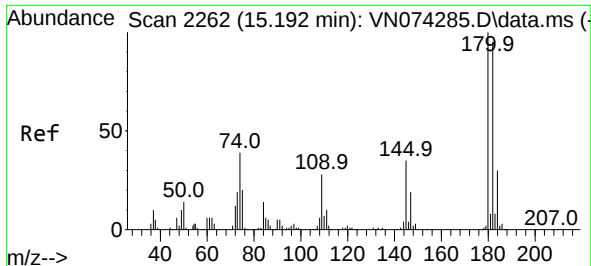
Tgt Ion: 75 Resp: 124003
Ion Ratio Lower Upper
75 100
77 0.8 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.455 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

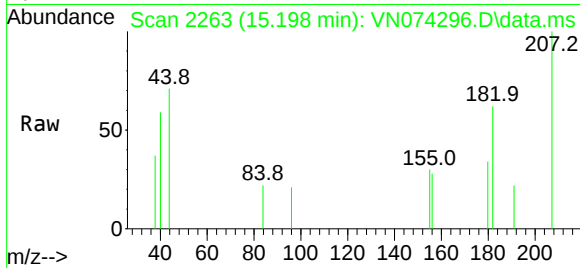
Tgt Ion: 75 Resp: 124003
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



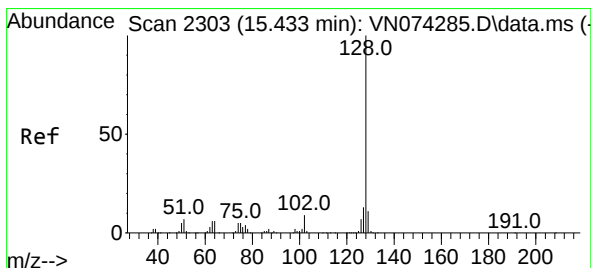
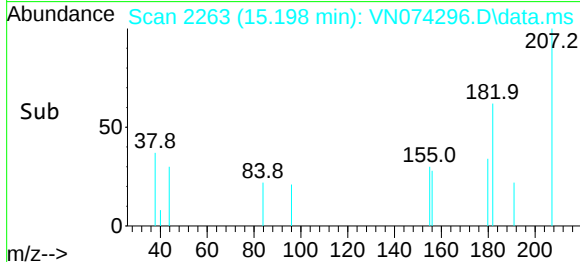
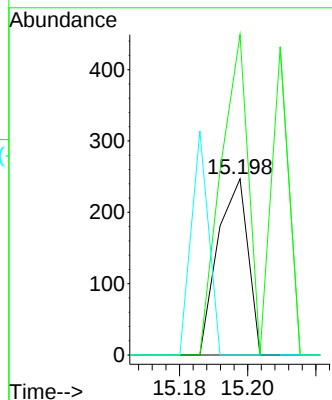


#93
1,2,4-Trichlorobenzene
Concen: 0.891 ug/l
RT: 15.198 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

Instrument :
MSVOA_N
ClientSampleId :

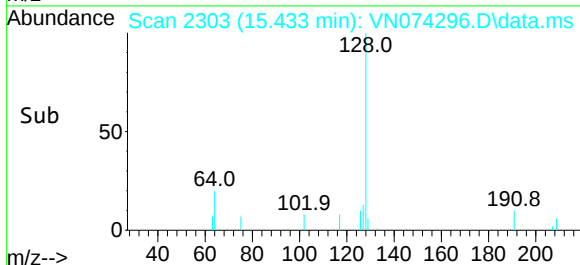
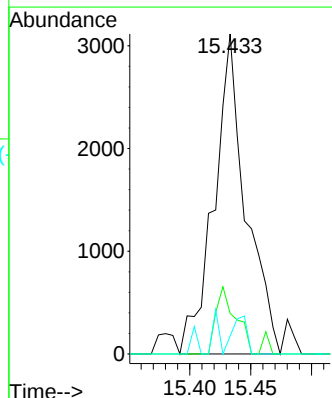
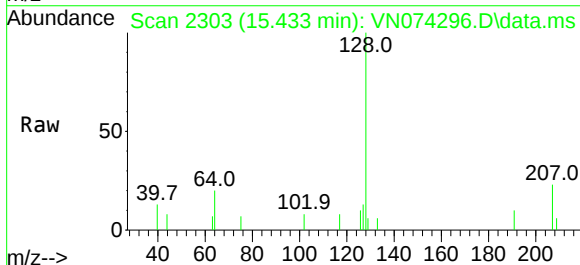


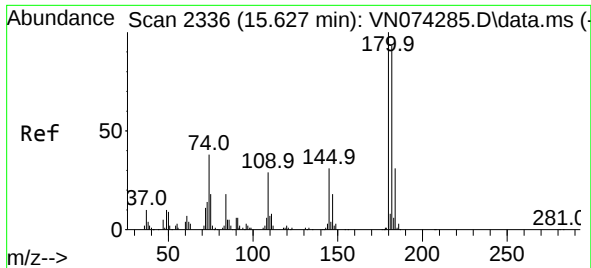
Tgt Ion:180 Resp: 151
Ion Ratio Lower Upper
180 100
182 266.2 47.5 142.5#
145 73.5 14.5 43.5#



#95
Naphthalene
Concen: 1.118 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN074296.D
Acq: 02 Sep 2022 19:46

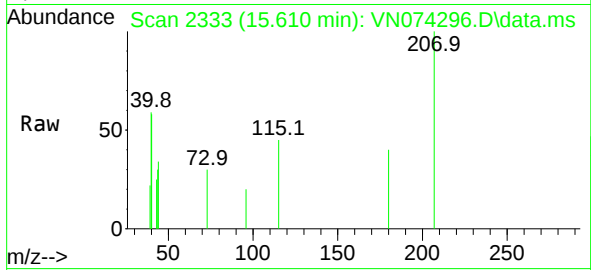
Tgt Ion:128 Resp: 5659
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 2.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.462 ug/l
 RT: 15.610 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: VN074296.D
 Acq: 02 Sep 2022 19:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.2	47.8	143.3
145	29.1	15.5	46.5

