

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082422\
 Data File : VN074089.D
 Acq On : 24 Aug 2022 14:12
 Operator : JC\MD
 Sample : N4244-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 07:54:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

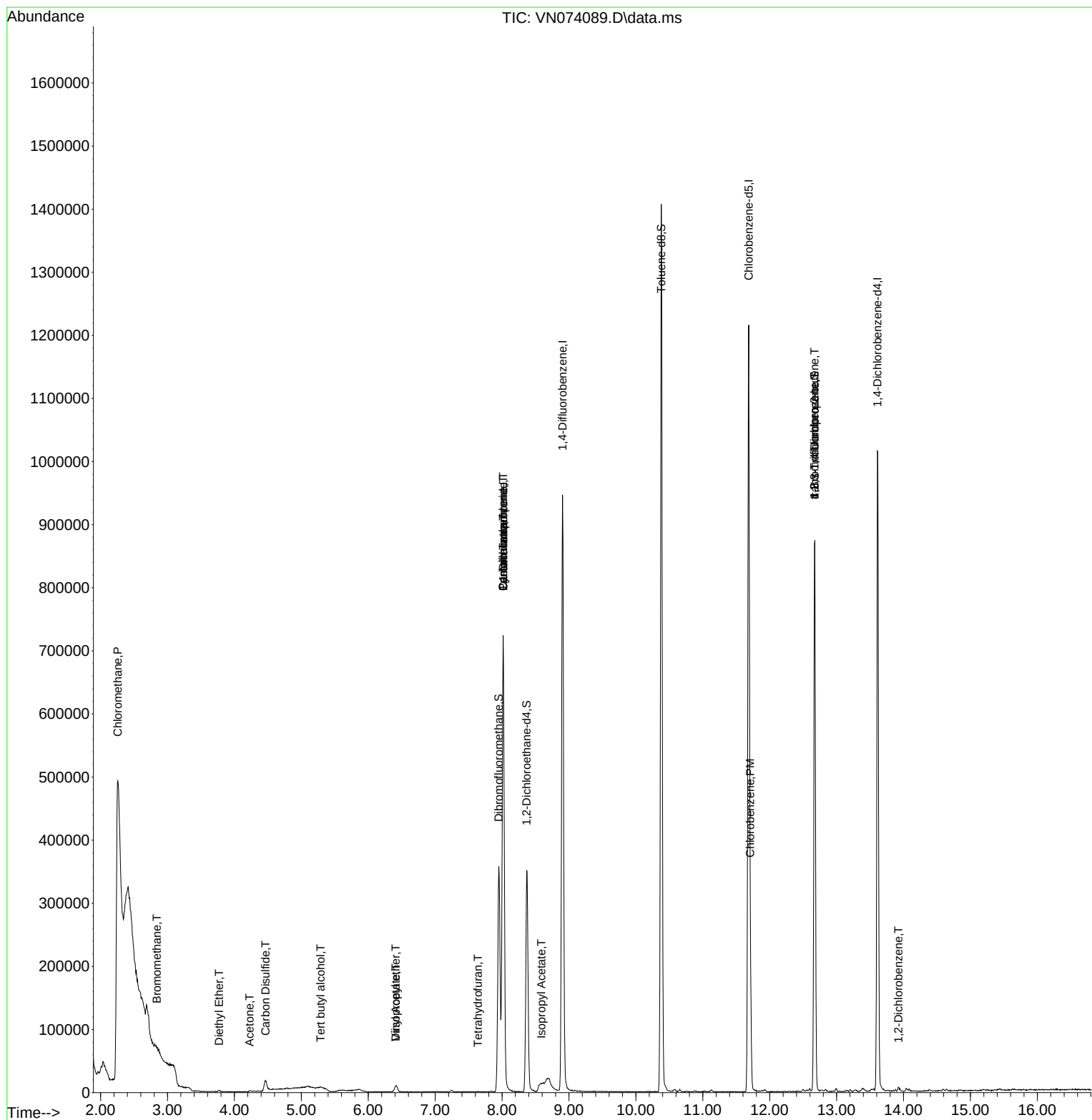
Internal Standards						
1) Pentafluorobenzene	8.016	168	590728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	891780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	722652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	302143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	296733	51.573	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.140%		
35) Dibromofluoromethane	7.951	113	265461	50.335	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.660%		
50) Toluene-d8	10.380	98	987393	48.342	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.680%		
62) 4-Bromofluorobenzene	12.668	95	301486	44.475	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 88.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	37222	7.146	ug/l #	43
5) Bromomethane	2.840	94	953	0.228	ug/l	96
8) Diethyl Ether	3.769	74	949	0.296	ug/l	62
11) Tert butyl alcohol	5.287	59	2632	2.045	ug/l #	80
16) Acetone	4.228	43	3352	1.235	ug/l #	85
17) Carbon Disulfide	4.463	76	45741	4.126	ug/l #	94
18) Methyl Acetate	4.787	43	3756	Below Cal	#	63
22) Diisopropyl ether	6.410	45	12698	0.867	ug/l	98
23) Vinyl Acetate	6.410	43	6774	0.540	ug/l #	68
29) Tetrahydrofuran	7.639	42	644	0.233	ug/l #	36
31) Cyclohexane	8.016	56	10117	1.261	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	40412	5.517	ug/l #	49
38) Carbon Tetrachloride	8.016	117	53606	6.402	ug/l #	17
43) Isopropyl Acetate	8.586	43	14536	1.150	ug/l #	53
65) Chlorobenzene	11.710	112	111875	7.284	ug/l	99
76) 1,2,3-Trichloropropane	12.668	75	146298	23.296	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	146298	66.258	ug/l #	11
91) 1,2-Dichlorobenzene	13.921	146	3153	0.296	ug/l	94

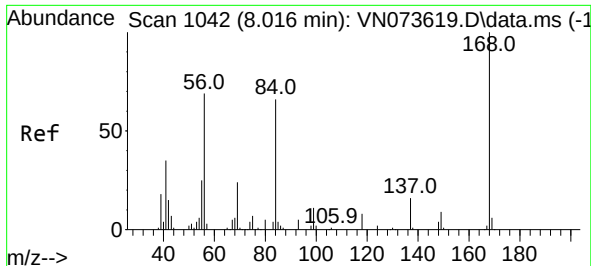
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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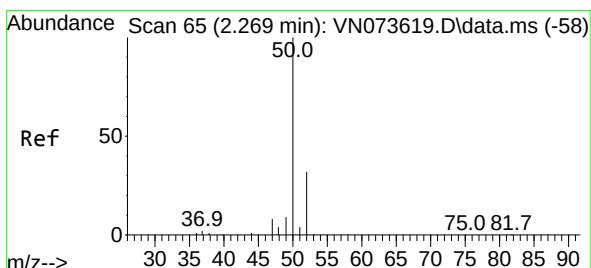
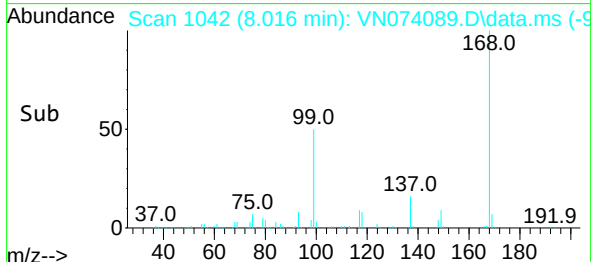
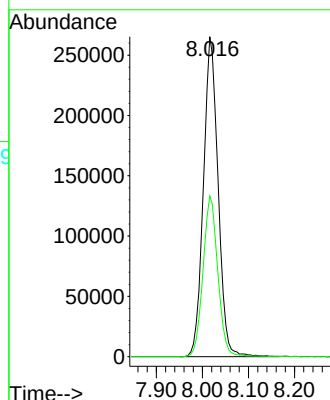
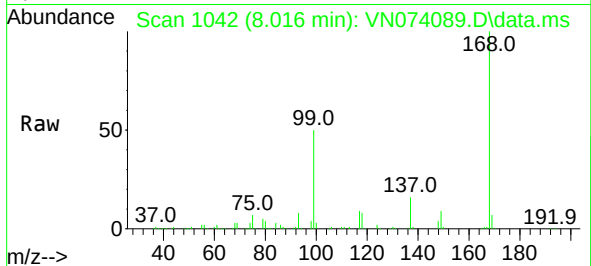




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

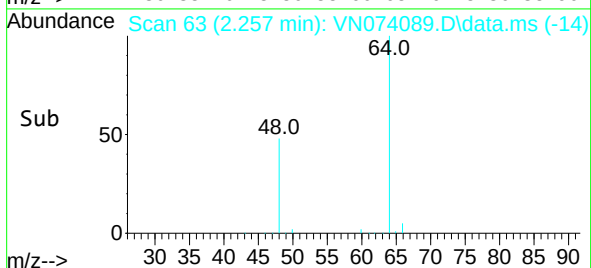
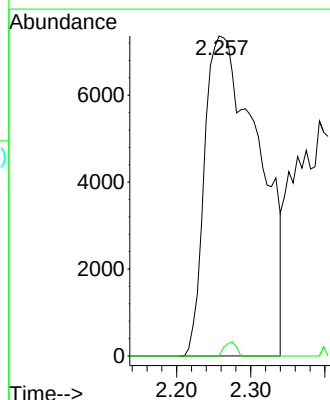
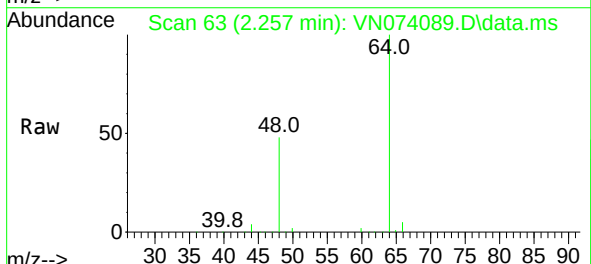
Instrument :
MSVOA_N
ClientSampleId :

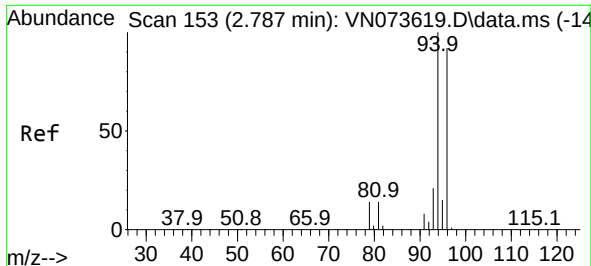
Tgt Ion:168 Resp: 590728
Ion Ratio Lower Upper
168 100
99 50.2 42.3 63.5



#3
Chloromethane
Concen: 7.146 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.012 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Tgt Ion: 50 Resp: 37222
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

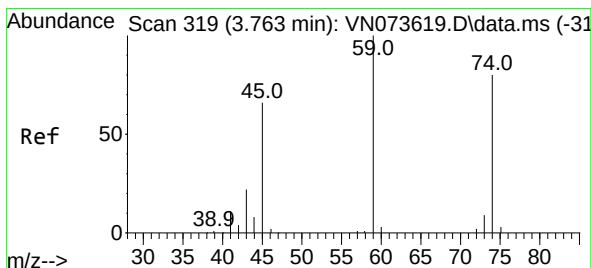
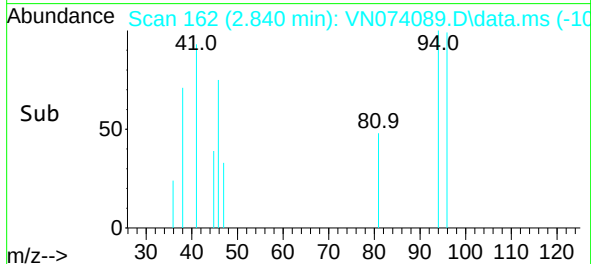
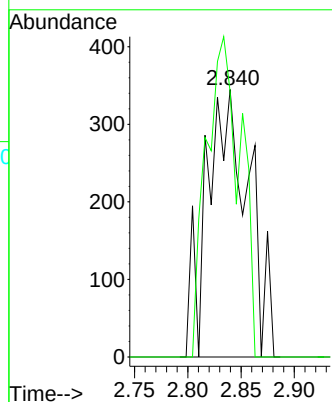
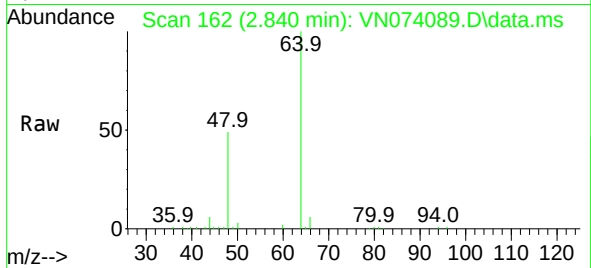




#5
Bromomethane
Concen: 0.228 ug/l
RT: 2.840 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

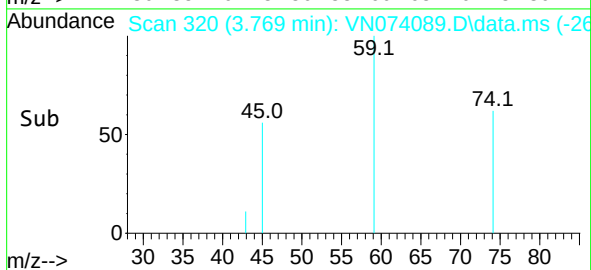
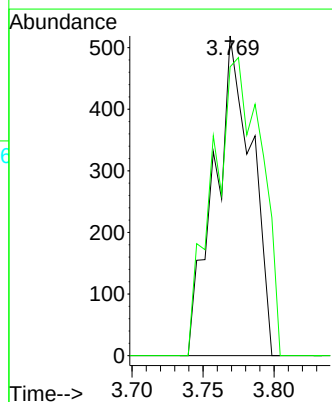
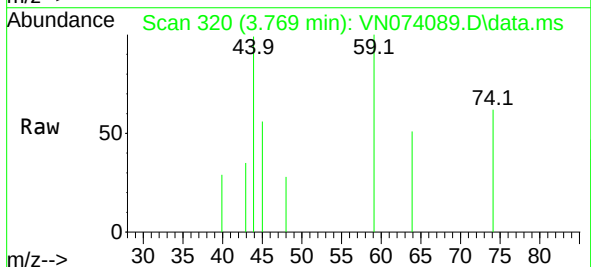
Instrument :
MSVOA_N
ClientSampleId :

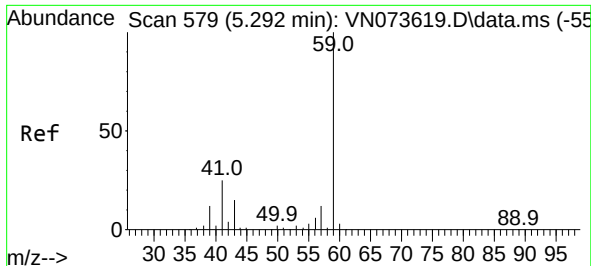
Tgt Ion: 94 Resp: 953
Ion Ratio Lower Upper
94 100
96 99.1 76.0 114.0



#8
Diethyl Ether
Concen: 0.296 ug/l
RT: 3.769 min Scan# 320
Delta R.T. 0.006 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

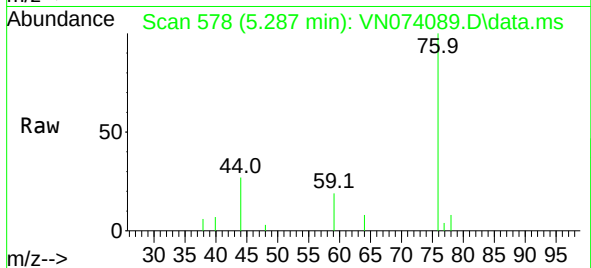
Tgt Ion: 74 Resp: 949
Ion Ratio Lower Upper
74 100
45 120.4 42.9 128.5



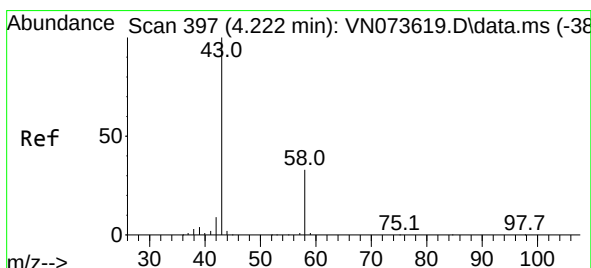
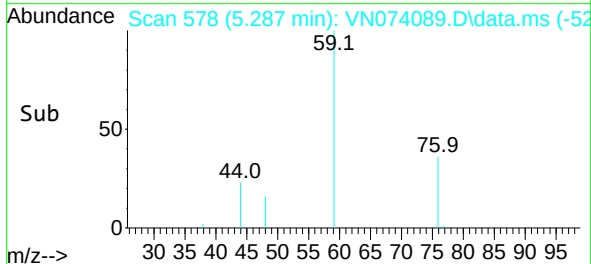
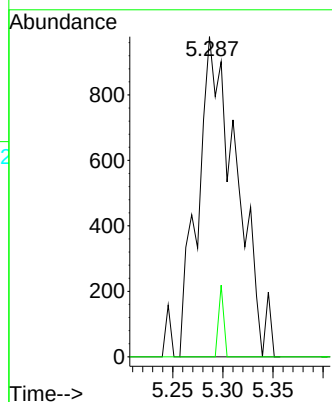


#11
Tert butyl alcohol
Concen: 2.045 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :

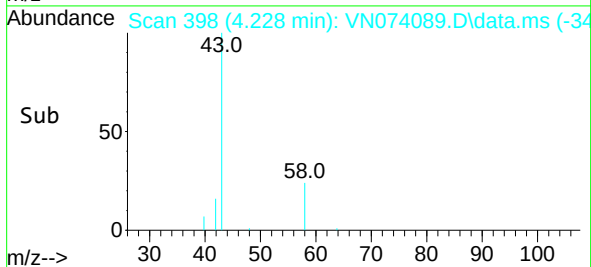
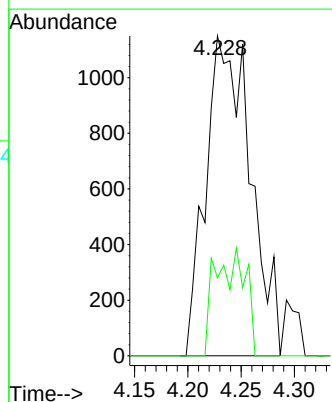
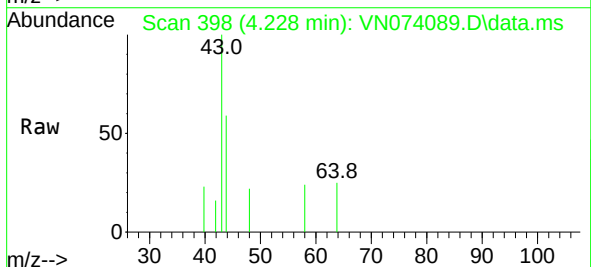


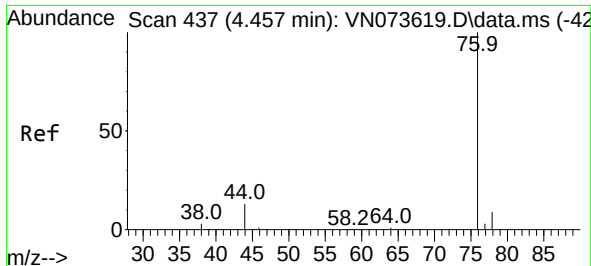
Tgt Ion: 59 Resp: 2632
Ion Ratio Lower Upper
59 100
57 2.9 8.3 12.5#



#16
Acetone
Concen: 1.235 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Tgt Ion: 43 Resp: 3352
Ion Ratio Lower Upper
43 100
58 24.3 26.0 39.0#

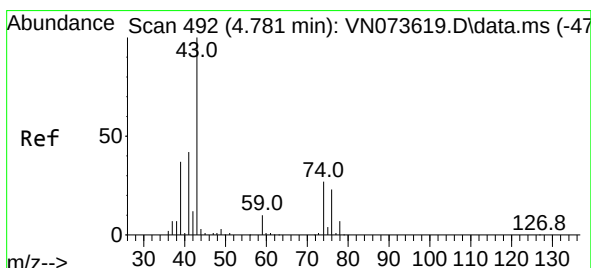
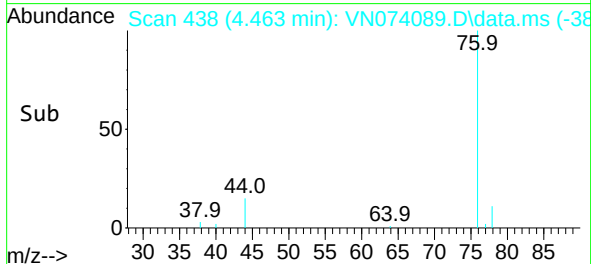
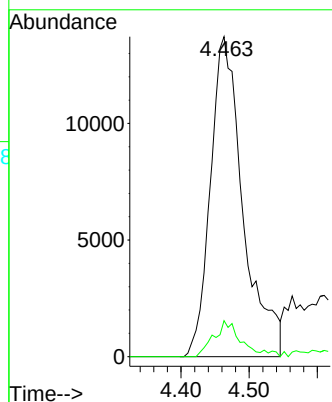
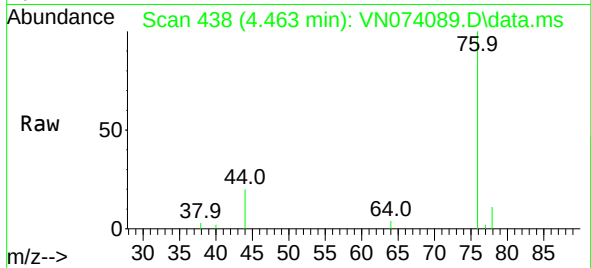




#17
Carbon Disulfide
Concen: 4.126 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

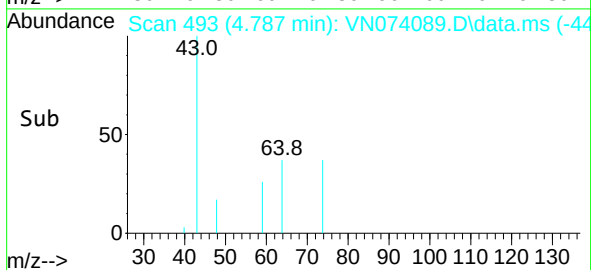
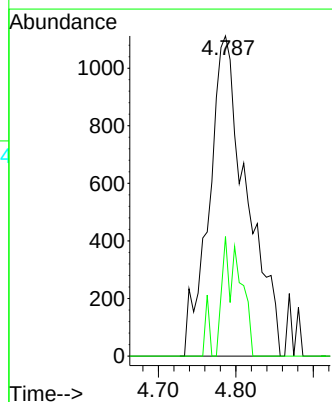
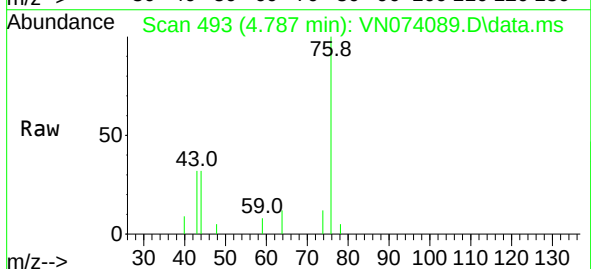
Instrument :
MSVOA_N
ClientSampleId :

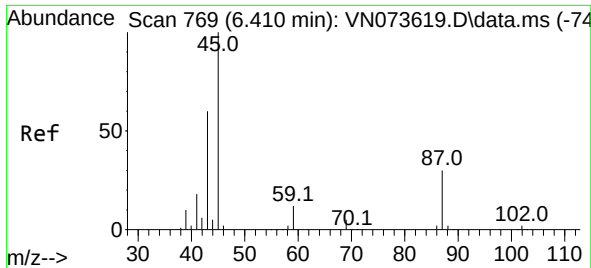
Tgt Ion: 76 Resp: 45741
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

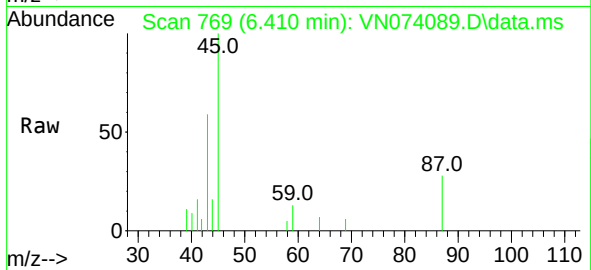
Tgt Ion: 43 Resp: 3756
Ion Ratio Lower Upper
43 100
74 7.6 21.6 32.4#



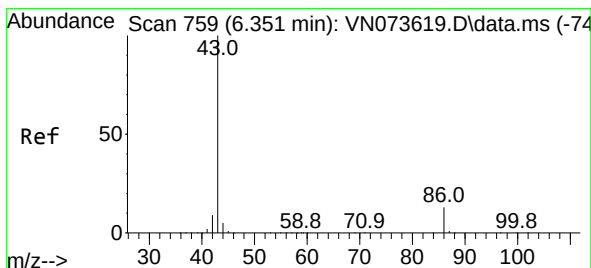
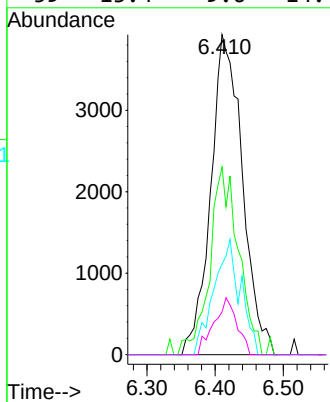
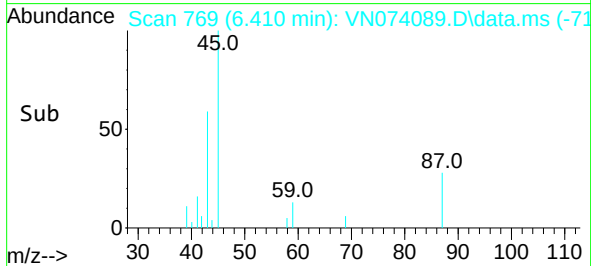


#22
Diisopropyl ether
Concen: 0.867 ug/l
RT: 6.410 min Scan# 769
Delta R.T. -0.000 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

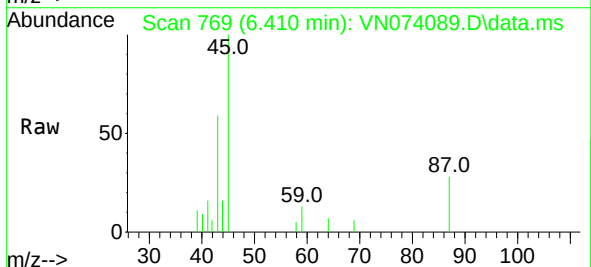
Instrument :
MSVOA_N
ClientSampleId :



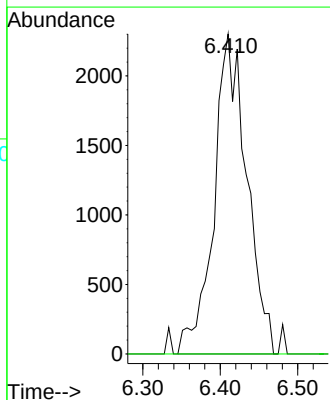
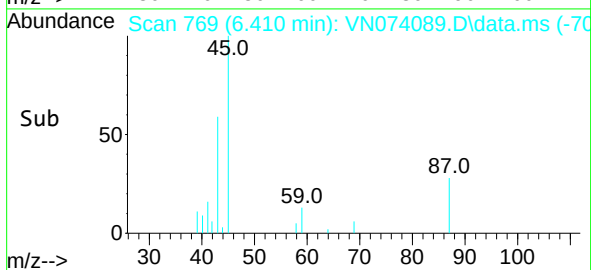
Tgt Ion:	45	Resp:	12698
Ion	Ratio	Lower	Upper
45	100		
43	58.6	46.6	70.0
87	28.3	24.3	36.5
59	13.4	9.6	14.4

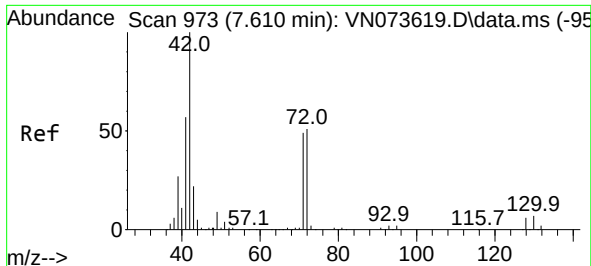


#23
Vinyl Acetate
Concen: 0.540 ug/l
RT: 6.410 min Scan# 769
Delta R.T. 0.059 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12



Tgt Ion:	43	Resp:	6774
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.0	15.0#





#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 7.639 min Scan# 91

Delta R.T. 0.029 min

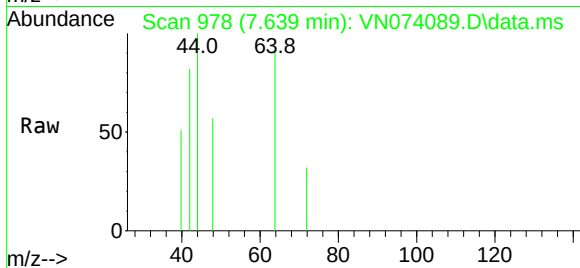
Lab File: VN074089.D

Acq: 24 Aug 2022 14:12

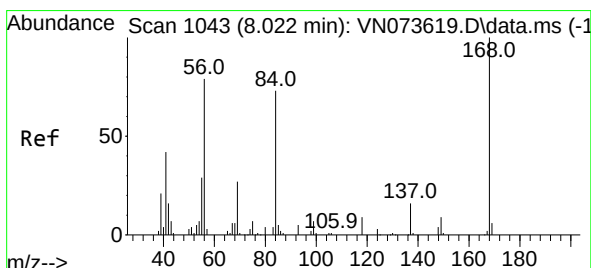
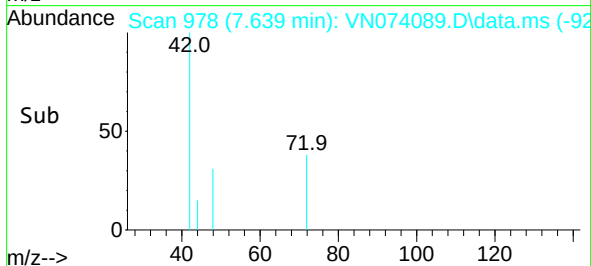
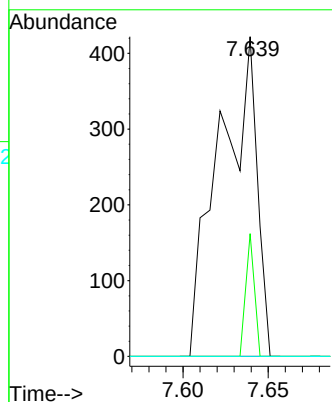
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	644
Ion	Ratio	Lower	Upper
42	100		
72	8.9	39.7	59.5#
71	0.0	36.6	55.0#



#31

Cyclohexane

Concen: 1.261 ug/l

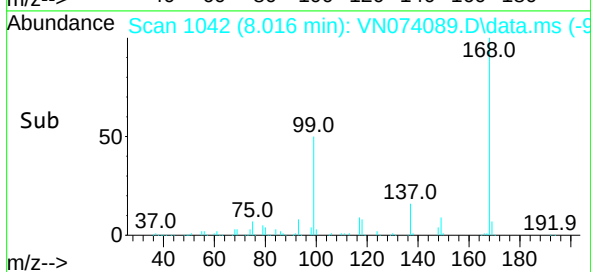
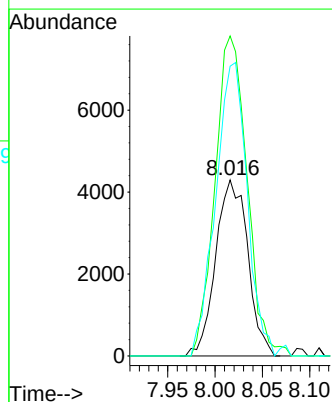
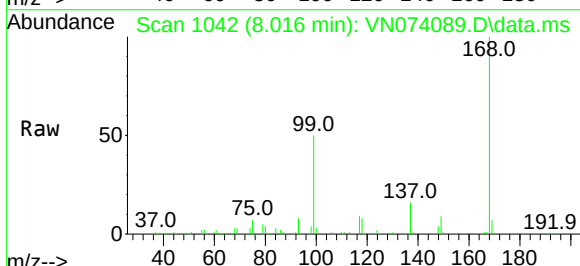
RT: 8.016 min Scan# 1042

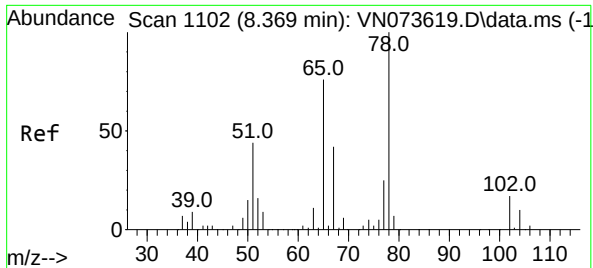
Delta R.T. -0.006 min

Lab File: VN074089.D

Acq: 24 Aug 2022 14:12

Tgt Ion:	56	Resp:	10117
Ion	Ratio	Lower	Upper
56	100		
69	181.8	27.8	41.8#
84	164.7	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 51.573 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074089.D

Acq: 24 Aug 2022 14:12

Instrument :

MSVOA_N

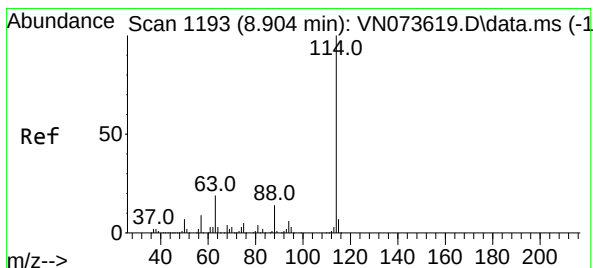
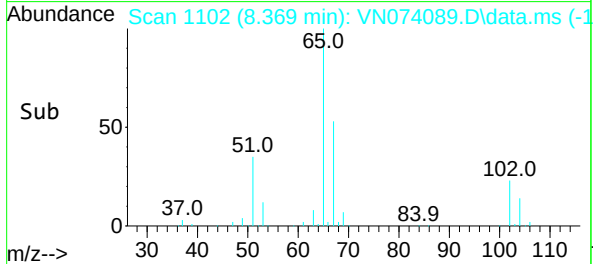
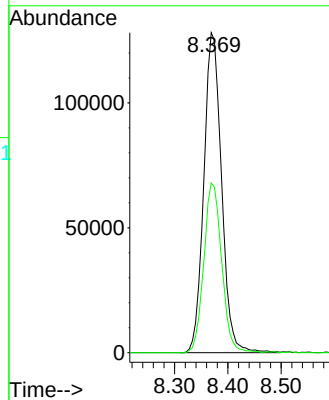
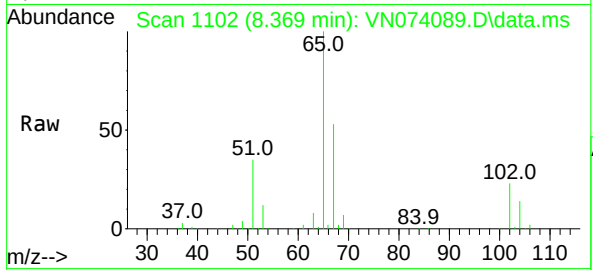
ClientSampleId :

Tgt Ion: 65 Resp: 296733

Ion Ratio Lower Upper

65 100

67 53.3 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: VN074089.D

Acq: 24 Aug 2022 14:12

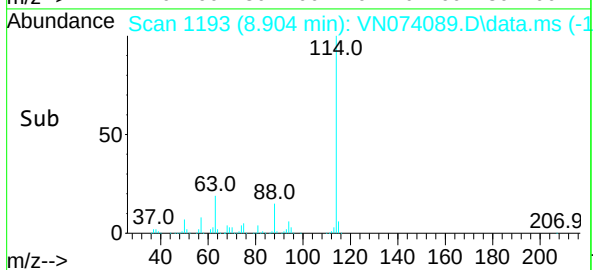
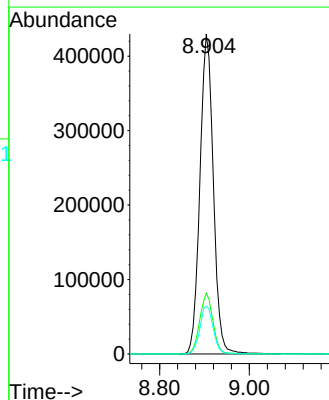
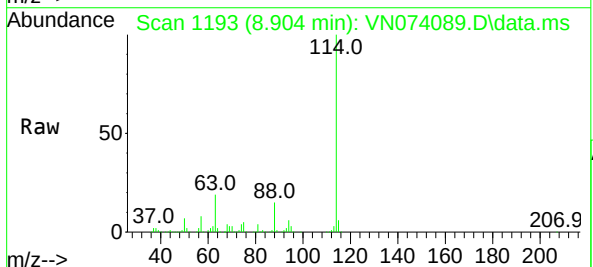
Tgt Ion: 114 Resp: 891780

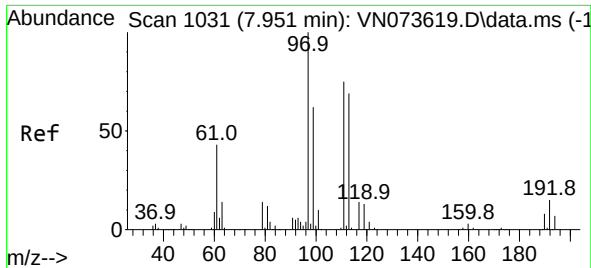
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

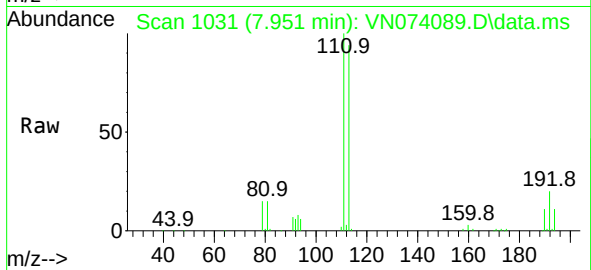
88 15.0 0.0 32.6



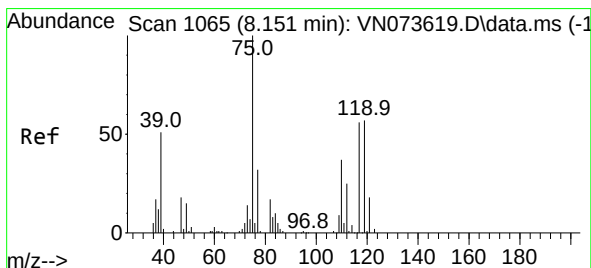
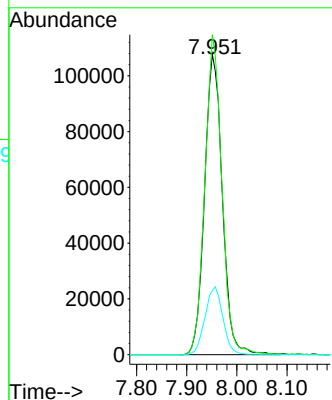
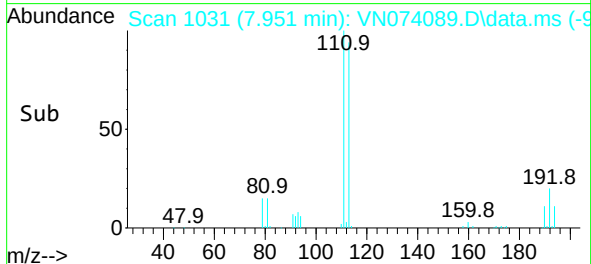


#35
Dibromofluoromethane
Concen: 50.335 ug/l
RT: 7.951 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :

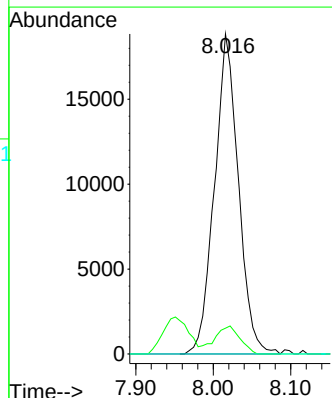
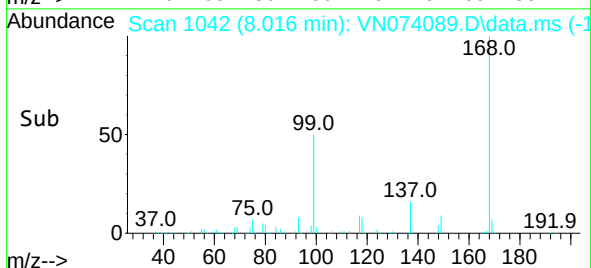
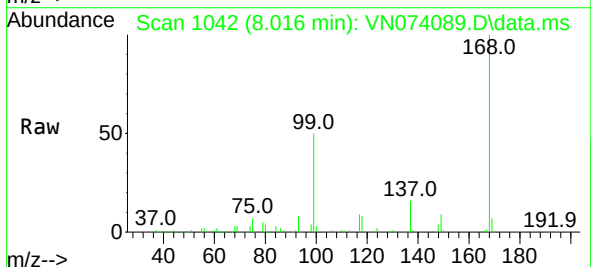


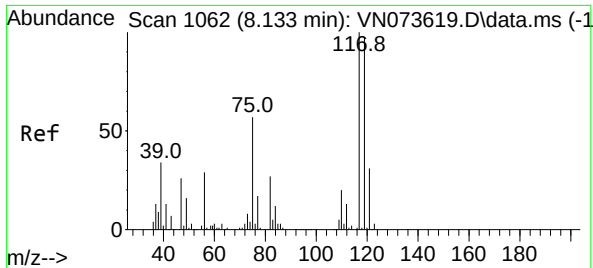
Tgt Ion:113 Resp: 265461
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 22.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.517 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

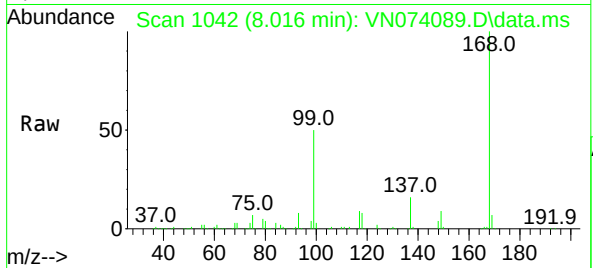
Tgt Ion: 75 Resp: 40412
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 25.1 37.7#



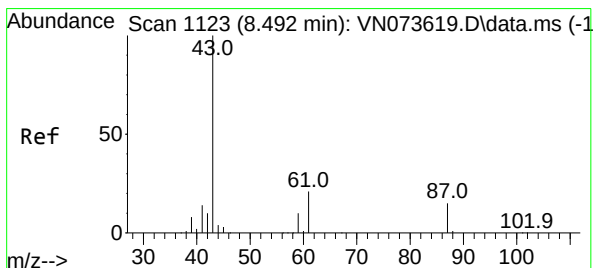
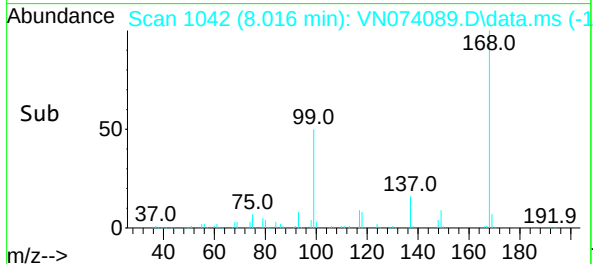
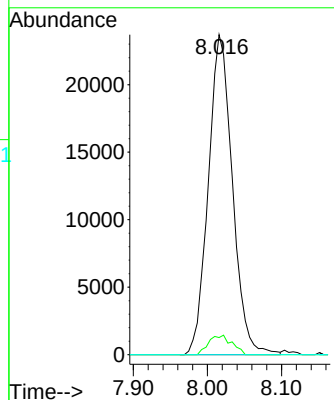


#38
Carbon Tetrachloride
Concen: 6.402 ug/l
RT: 8.016 min Scan# 1139
Delta R.T. -0.117 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :

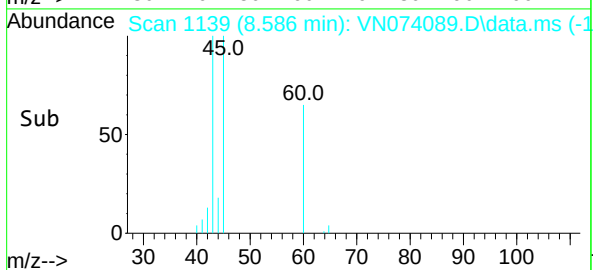
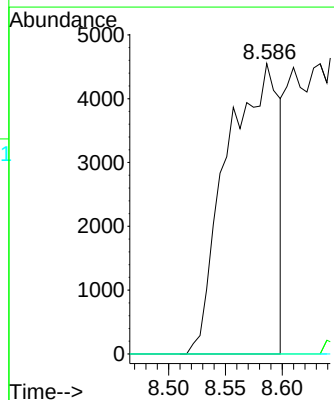
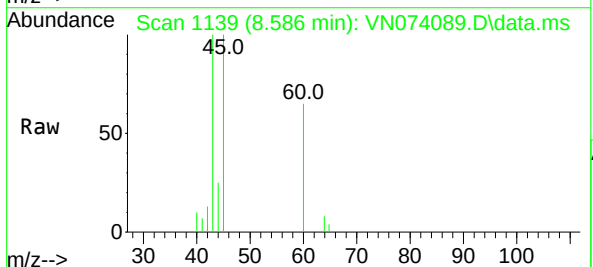


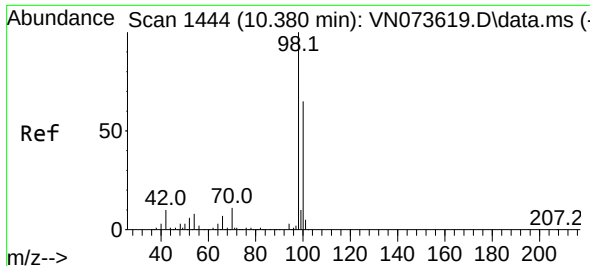
Tgt Ion: 117 Resp: 53606
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.150 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. 0.094 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

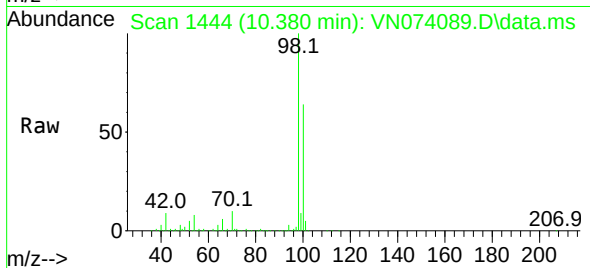
Tgt Ion: 43 Resp: 14536
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



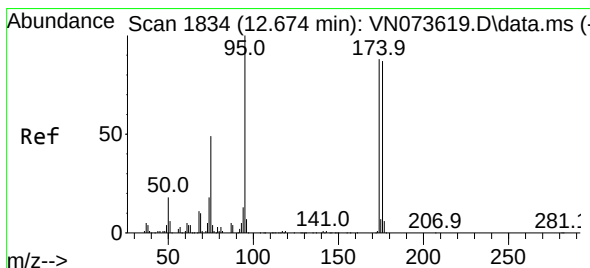
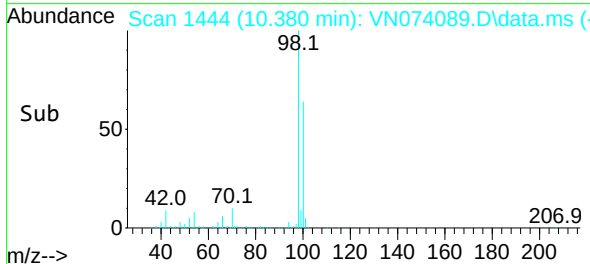
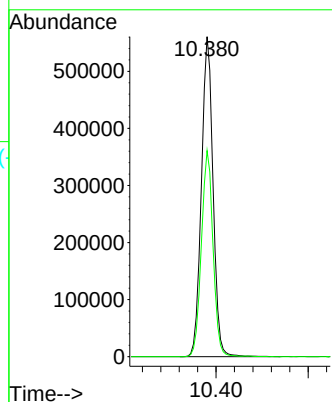


#50
Toluene-d8
Concen: 48.342 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :

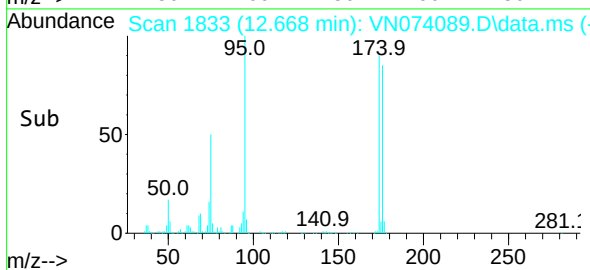
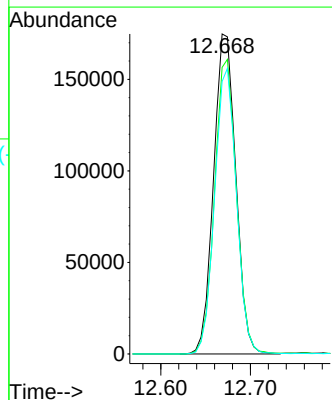
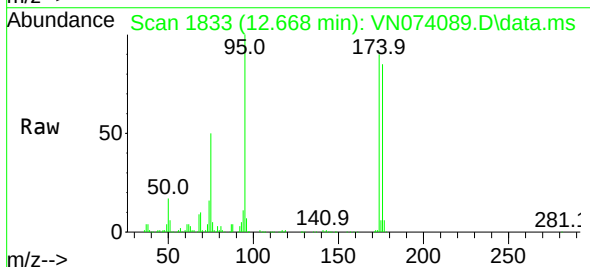


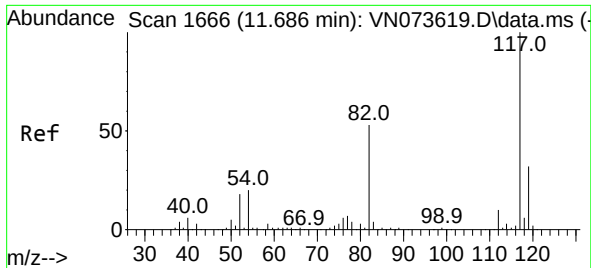
Tgt Ion: 98 Resp: 987393
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 44.475 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

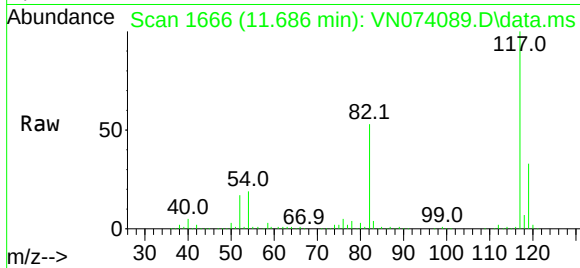
Tgt Ion: 95 Resp: 301486
Ion Ratio Lower Upper
95 100
174 90.3 0.0 167.6
176 87.2 0.0 163.4



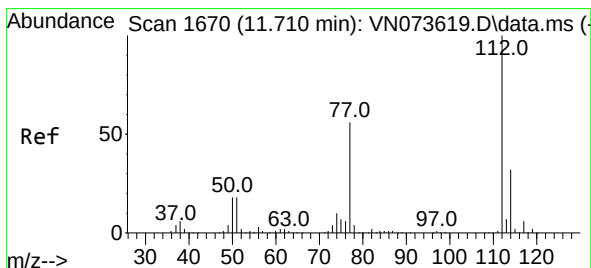
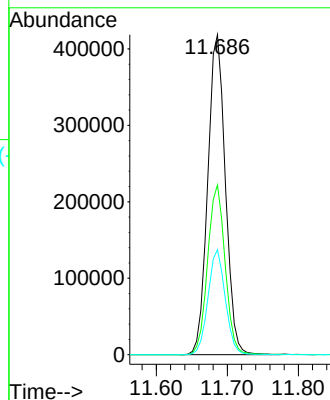
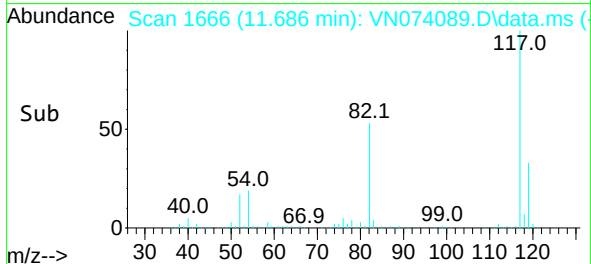


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :

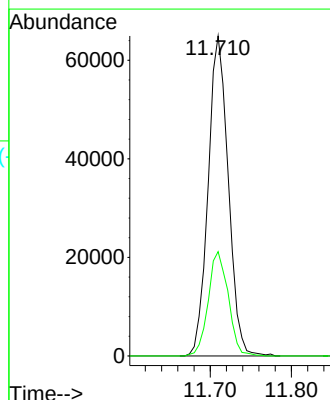
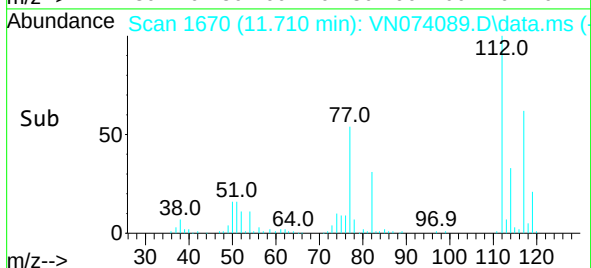
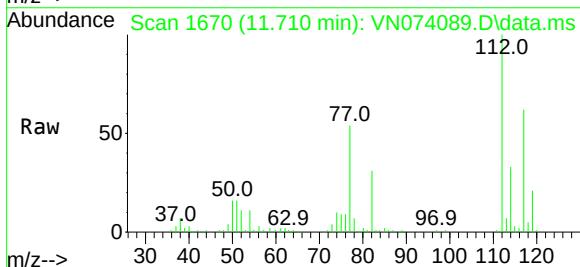


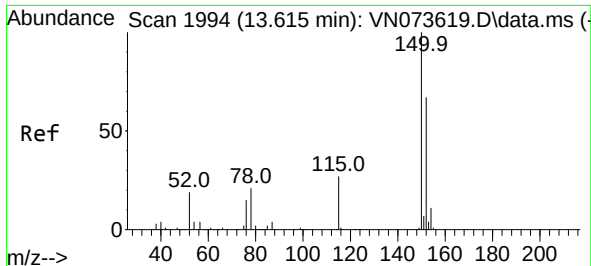
Tgt Ion:117 Resp: 722652
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.8 25.4 38.0



#65
Chlorobenzene
Concen: 7.284 ug/l
RT: 11.710 min Scan# 1670
Delta R.T. -0.000 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

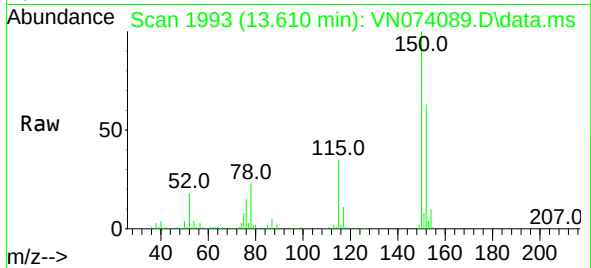
Tgt Ion:112 Resp: 111875
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2



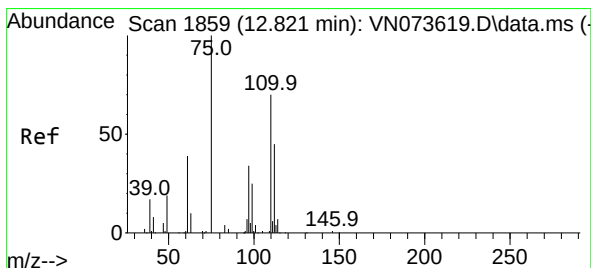
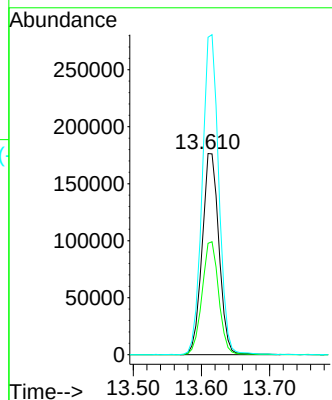
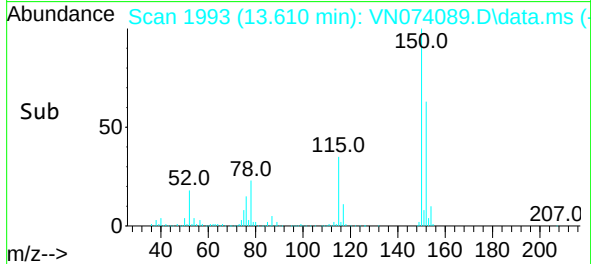


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1994
 Delta R.T. -0.005 min
 Lab File: VN074089.D
 Acq: 24 Aug 2022 14:12

Instrument :
 MSVOA_N
 ClientSampleId :

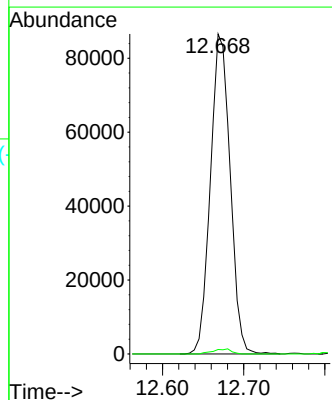
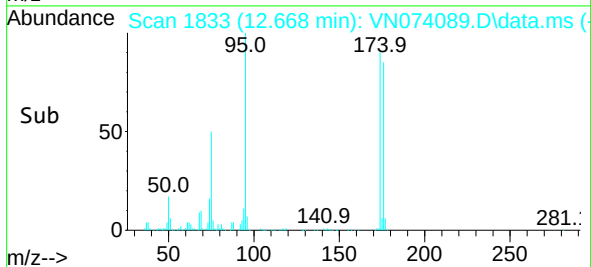
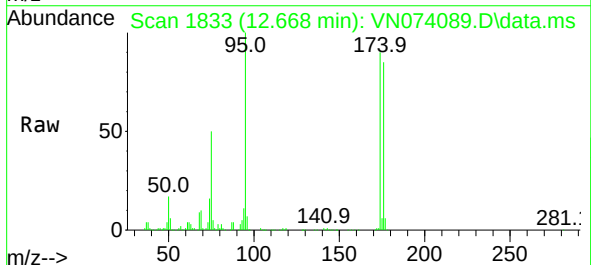


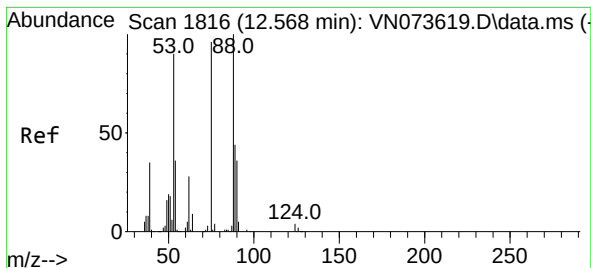
Tgt Ion:152 Resp: 302143
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.9 86.7
 150 156.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.296 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.153 min
 Lab File: VN074089.D
 Acq: 24 Aug 2022 14:12

Tgt Ion: 75 Resp: 146298
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

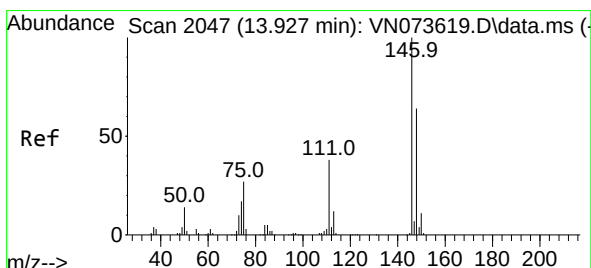
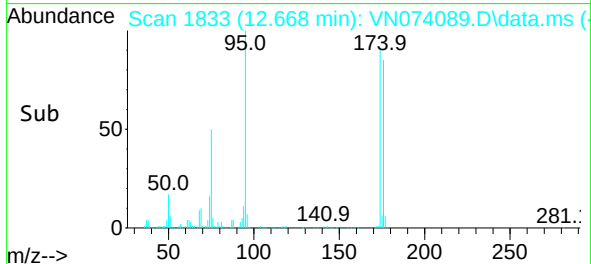
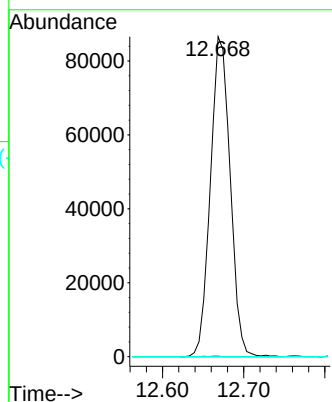
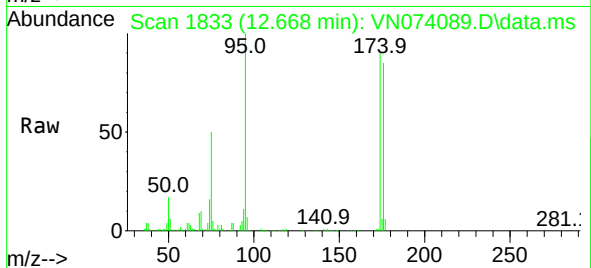




#81
trans-1,4-Dichloro-2-butene
Concen: 66.258 ug/l
RT: 12.668 min Scan# 1816
Delta R.T. 0.100 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 146298
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



#91
1,2-Dichlorobenzene
Concen: 0.296 ug/l
RT: 13.921 min Scan# 2046
Delta R.T. -0.006 min
Lab File: VN074089.D
Acq: 24 Aug 2022 14:12

Tgt Ion:146 Resp: 3153
Ion Ratio Lower Upper
146 100
111 41.3 20.9 62.8
148 57.2 32.1 96.3

