

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093021\
 Data File : VN068772.D
 Acq On : 30 Sep 2021 19:11
 Operator : JC/MD
 Sample : M3915-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 04:49:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

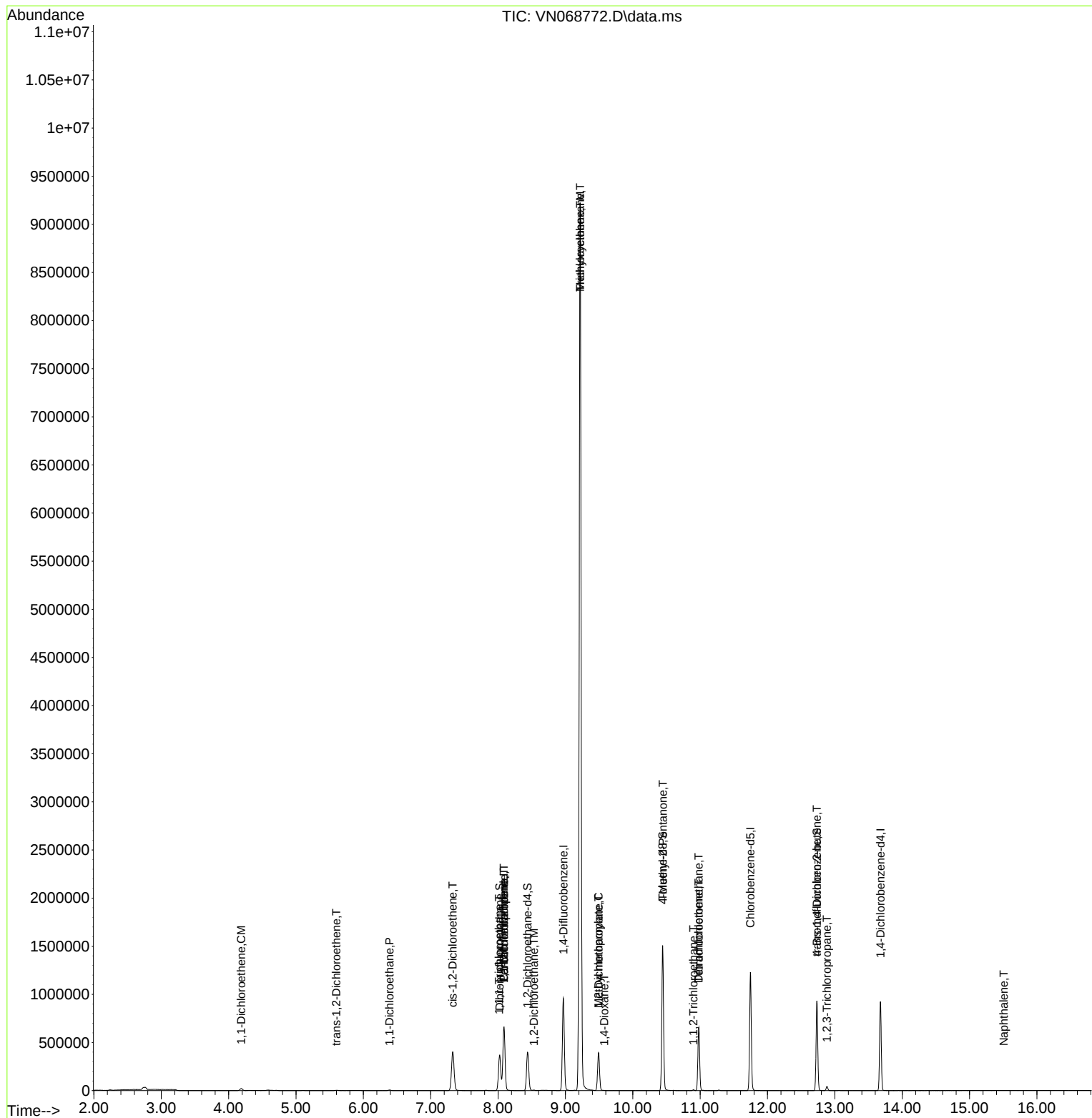
Internal Standards						
1) Pentafluorobenzene	8.088	168	482497	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	827416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	697552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	235469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	331894	49.369	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.740%		
35) Dibromofluoromethane	8.021	113	257875	50.161	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.320%		
50) Toluene-d8	10.443	98	1014503	54.003	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.000%		
62) 4-Bromofluorobenzene	12.733	95	294985	45.190	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.380%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1612	Below Cal		92
5) Bromomethane	2.858	94	800	Below Cal	#	70
6) Chloroethane	3.022	64	384	Below Cal	#	77
12) 1,1-Dichloroethene	4.186	96	12839	2.832	ug/l	85
13) Acrolein	4.052	56	28	Below Cal	#	1
16) Acetone	4.301	43	2414	Below Cal	#	84
17) Carbon Disulfide	4.521	76	177	Below Cal	#	74
21) trans-1,2-Dichloroethene	5.599	96	1042	0.205	ug/l	86
24) 1,1-Dichloroethane	6.388	63	9830	0.971	ug/l	# 93
27) cis-1,2-Dichloroethene	7.326	96	245593	37.474	ug/l	75
31) Cyclohexane	8.088	56	13007	Below Cal	#	43
32) 1,1,1-Trichloroethane	8.016	97	2216	0.209	ug/l	# 47
36) 1,1-Dichloropropene	8.085	75	42203	5.423	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	53690	5.808	ug/l	# 16
39) Methylcyclohexane	9.217	83	40304	4.469	ug/l	# 1
42) 1,2-Dichloroethane	8.533	62	3690	0.397	ug/l	86
44) Trichloroethene	9.217	130	2969386	469.478	ug/l	87
45) 1,2-Dichloropropane	9.491	63	140470	22.978	ug/l	98
48) Methyl methacrylate	9.491	41	93228	16.349	ug/l	# 36
49) 1,4-Dioxane	9.577	88	99	1.075	ug/l	# 83
51) 4-Methyl-2-Pentanone	10.446	43	4970	0.605	ug/l	# 1
55) 1,1,2-Trichloroethane	10.899	97	3070	0.457	ug/l	# 87
60) Dibromochloromethane	10.979	129	136165	19.234	ug/l	# 11
64) Tetrachloroethene	10.979	164	137443	26.396	ug/l	95
76) 1,2,3-Trichloropropane	12.884	75	17060	3.258	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	173901	96.538	ug/l	# 6
95) Naphthalene	15.507	128	670	1.506	ug/l	# 69

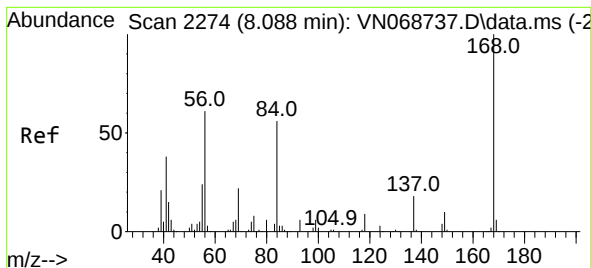
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

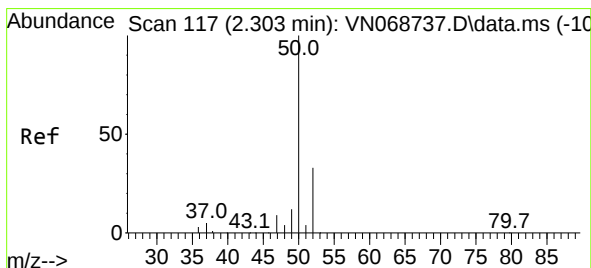
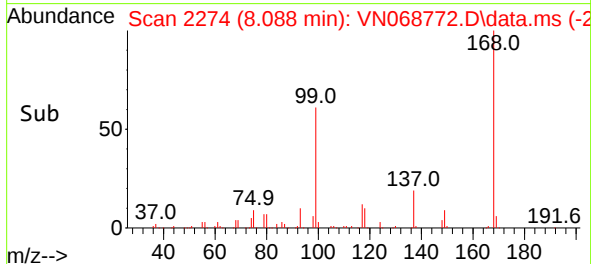
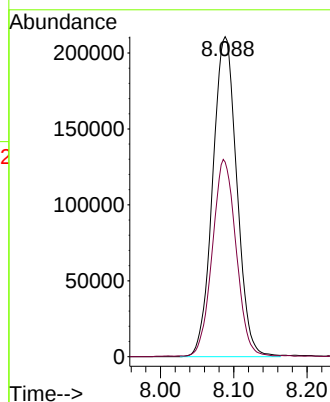
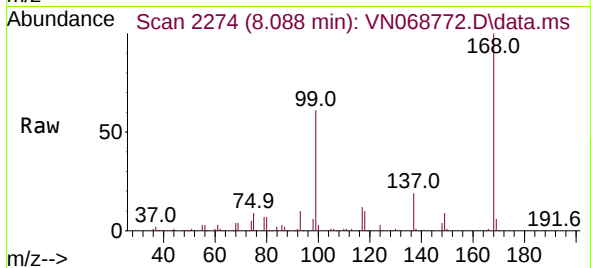
Lab File: VN068772.D

Acq: 30 Sep 2021 19:11

Tgt Ion:168 Resp: 482497

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	60.5	62.9	94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.306 min Scan# 118

Delta R.T. 0.003 min

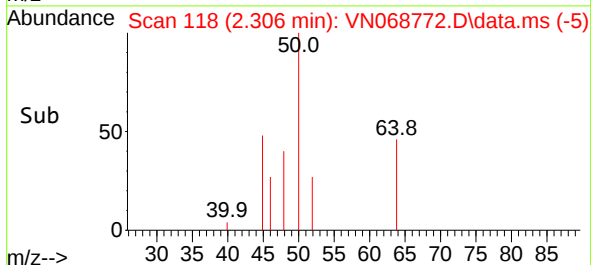
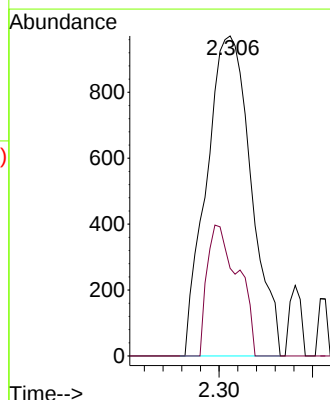
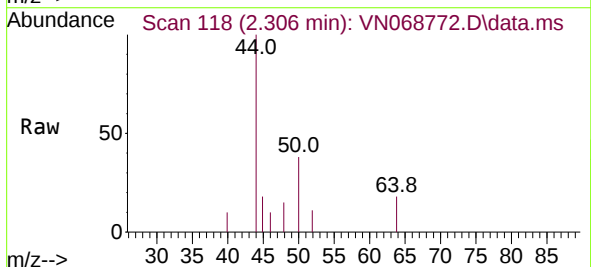
Lab File: VN068772.D

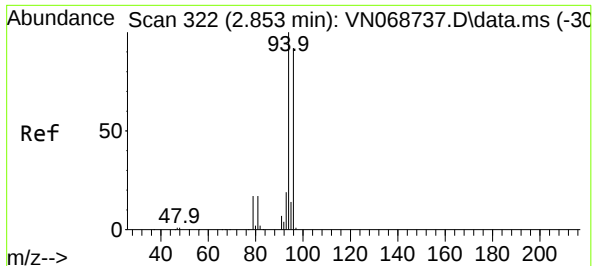
Acq: 30 Sep 2021 19:11

Tgt Ion: 50 Resp: 1612

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
50	100		
52	27.4	25.6	38.4

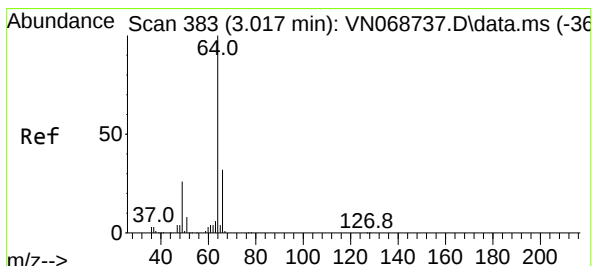
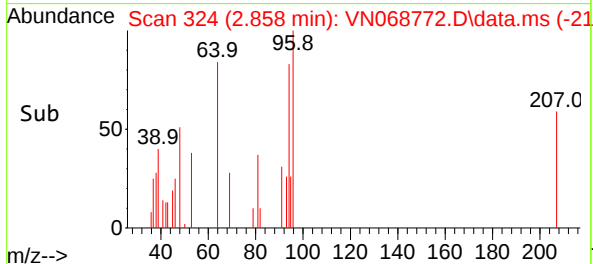
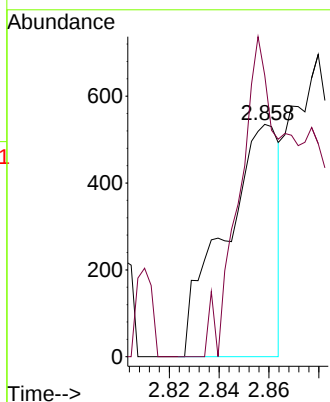
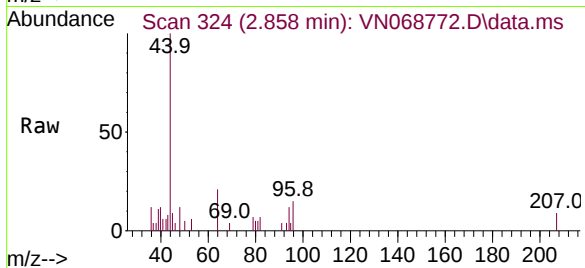




#5
Bromomethane
Concen: Below Cal
RT: 2.858 min Scan# 324
Delta R.T. 0.005 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

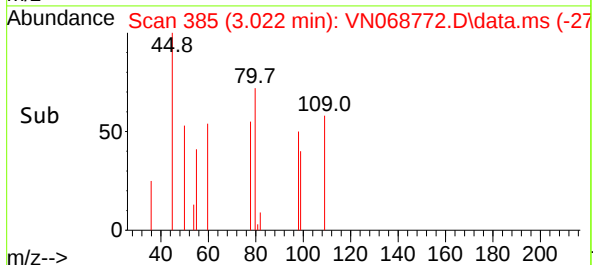
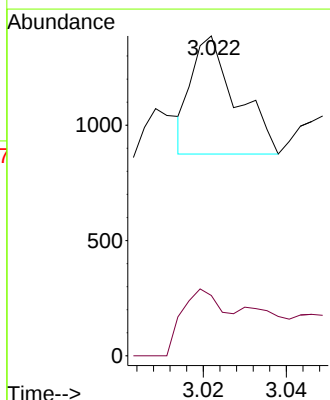
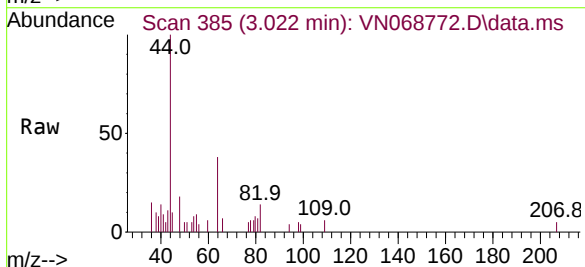
Instrument :
MSVOA_N
ClientSampleId :

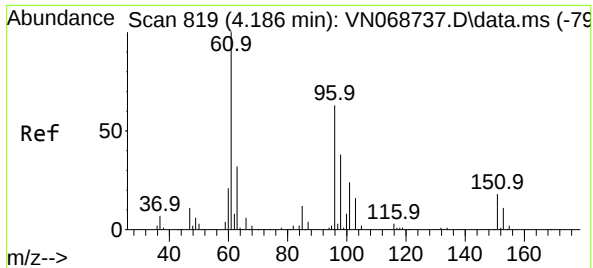
Tgt Ion: 94 Resp: 800
Ion Ratio Lower Upper
94 100
96 121.1 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 385
Delta R.T. 0.005 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 64 Resp: 384
Ion Ratio Lower Upper
64 100
66 18.2 24.7 37.1#





#12

1,1-Dichloroethene

Concen: 2.832 ug/l

RT: 4.186 min Scan# 819

Delta R.T. -0.000 min

Lab File: VN068772.D

Acq: 30 Sep 2021 19:11

Tgt Ion: 96 Resp: 12839

Ion Ratio Lower Upper

96 100

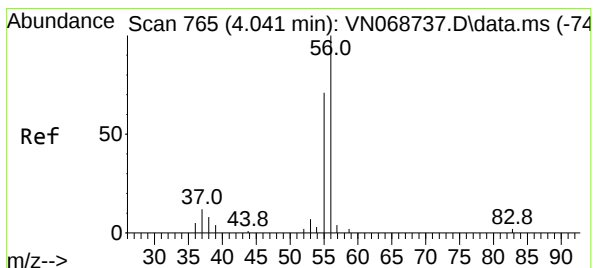
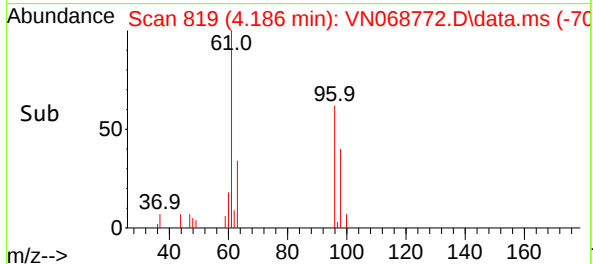
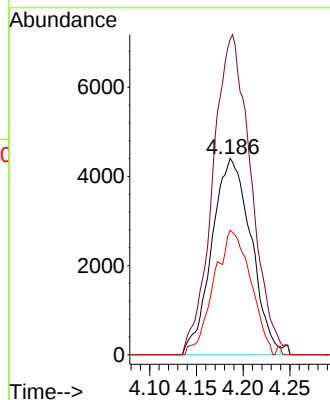
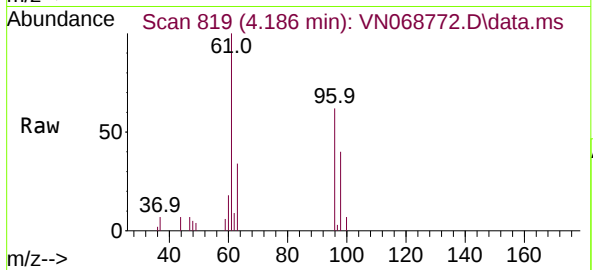
61 160.7 152.6 229.0

98 63.5 50.9 76.3

Instrument :

MSVOA_N

ClientSampled :



#13

Acrolein

Concen: Below Cal

RT: 4.052 min Scan# 769

Delta R.T. 0.011 min

Lab File: VN068772.D

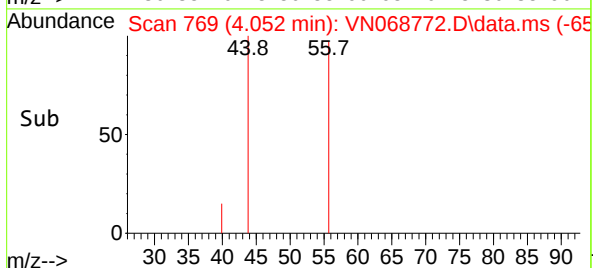
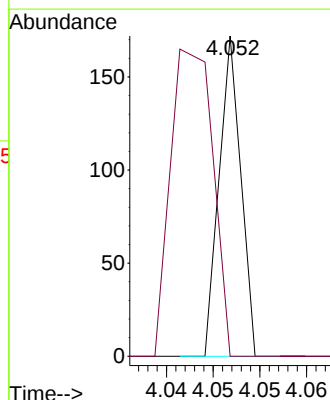
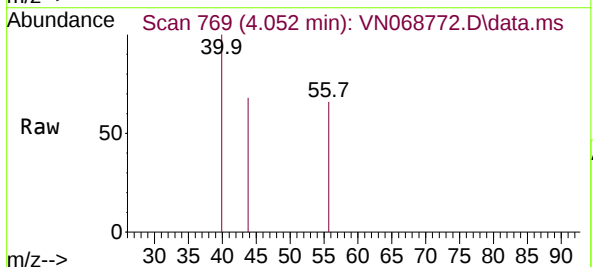
Acq: 30 Sep 2021 19:11

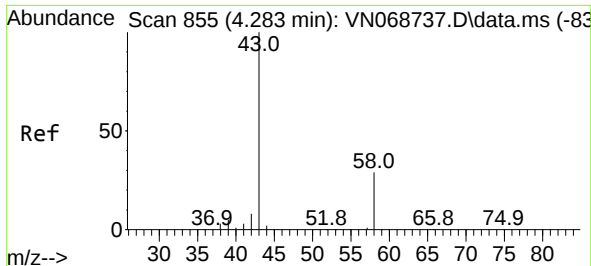
Tgt Ion: 56 Resp: 28

Ion Ratio Lower Upper

56 100

55 185.7 57.4 86.0#

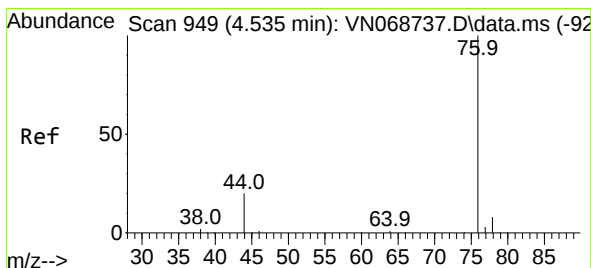
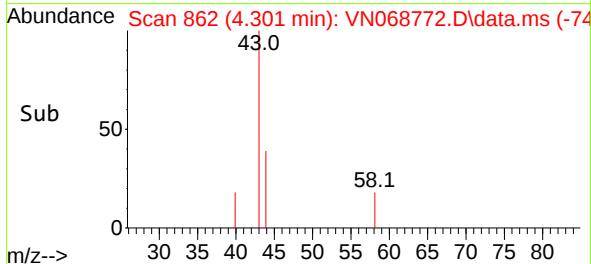
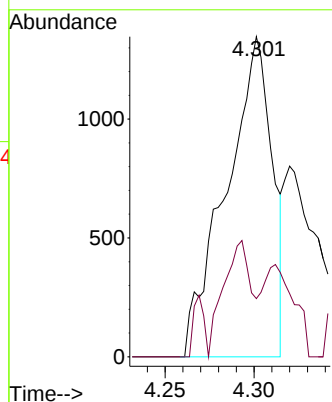
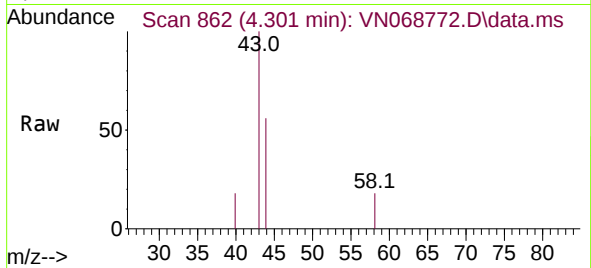




#16
Acetone
Concen: Below Cal
RT: 4.301 min Scan# 862
Delta R.T. 0.018 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

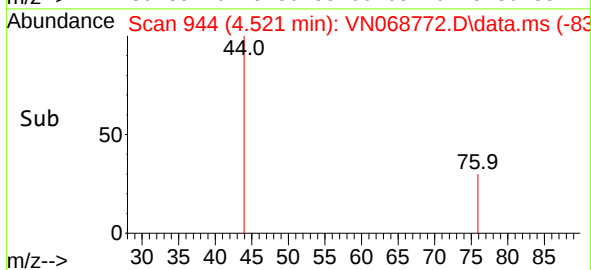
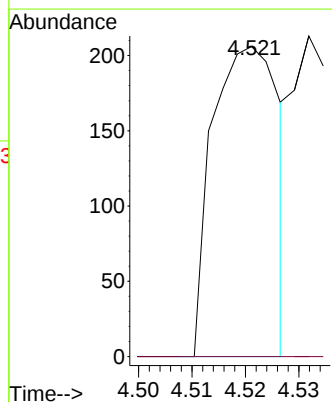
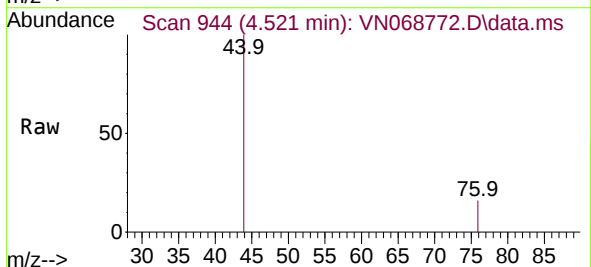
Instrument :
MSVOA_N
ClientSampled :

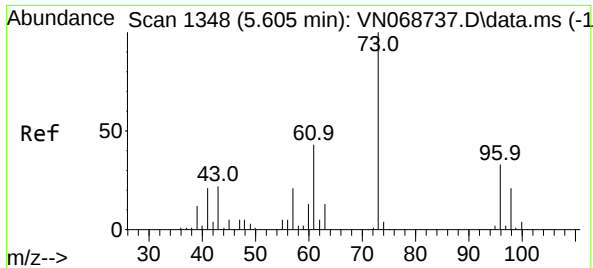
Tgt Ion: 43 Resp: 2414
Ion Ratio Lower Upper
43 100
58 18.2 21.2 31.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.521 min Scan# 944
Delta R.T. -0.014 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 76 Resp: 177
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

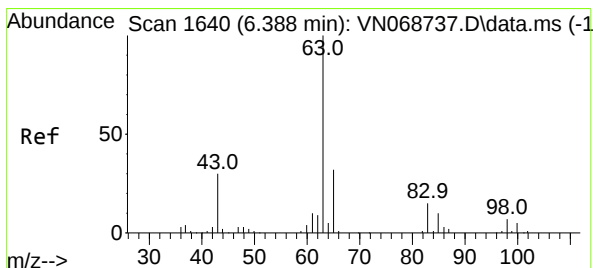
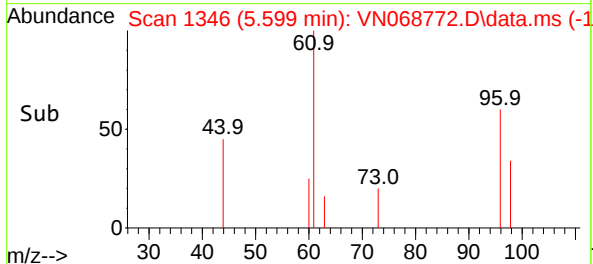
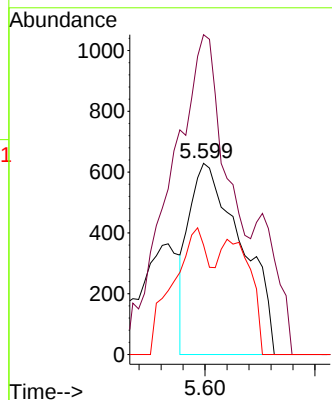
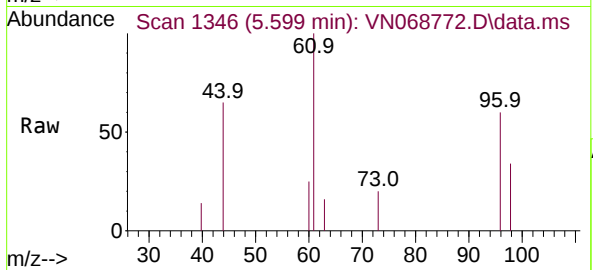




#21
trans-1,2-Dichloroethene
Concen: 0.205 ug/l
RT: 5.599 min Scan# 1346
Delta R.T. -0.006 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

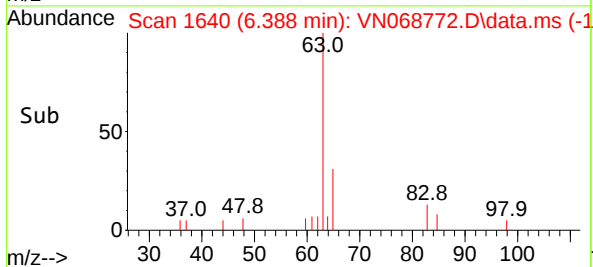
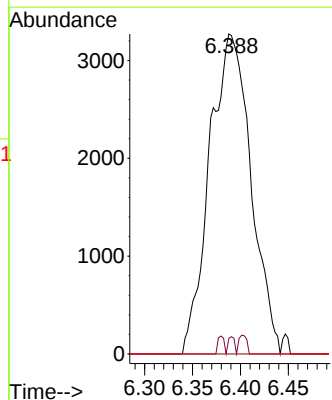
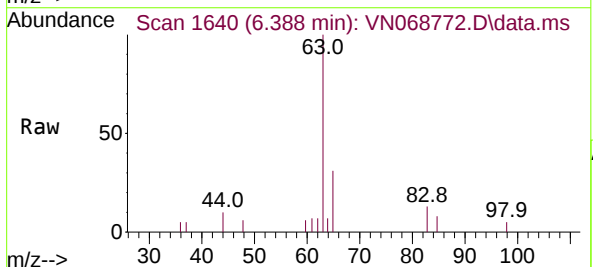
Instrument :
MSVOA_N
ClientSampleId :

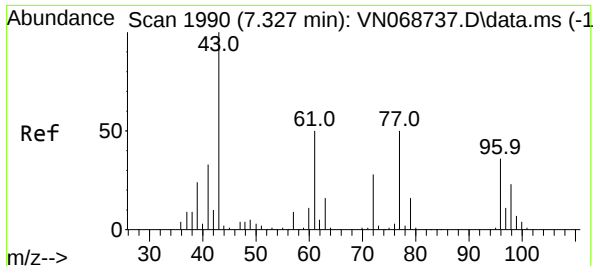
Tgt Ion: 96 Resp: 1042
Ion Ratio Lower Upper
96 100
61 130.7 123.5 185.3
98 57.2 48.6 72.8



#24
1,1-Dichloroethane
Concen: 0.971 ug/l
RT: 6.388 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 63 Resp: 9830
Ion Ratio Lower Upper
63 100
98 4.8 3.0 9.0
100 0.0 1.9 5.7#



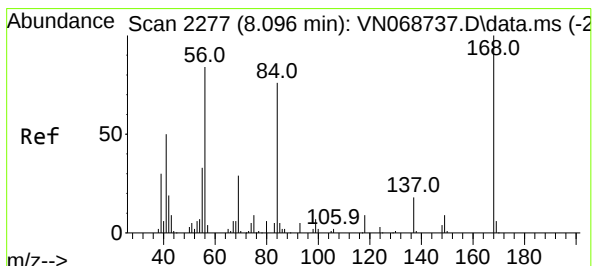
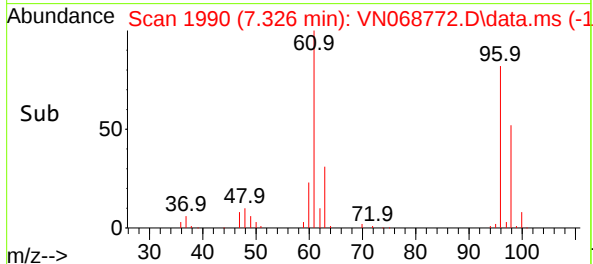
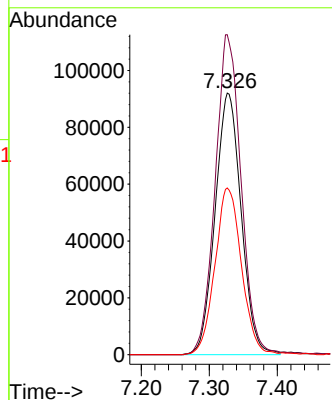
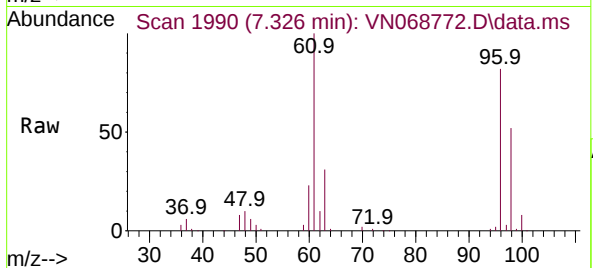


#27

cis-1,2-Dichloroethene
Concen: 37.474 ug/l
RT: 7.326 min Scan# 1990
Delta R.T. -0.001 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Instrument :
MSVOA_N
ClientSampled :

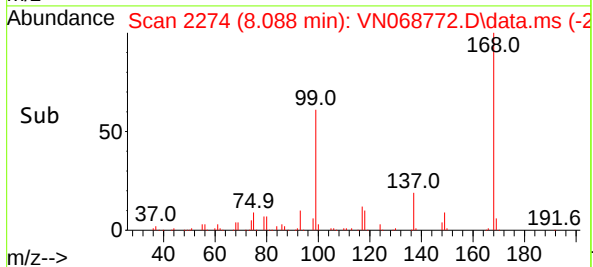
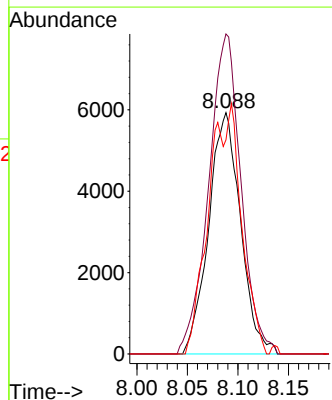
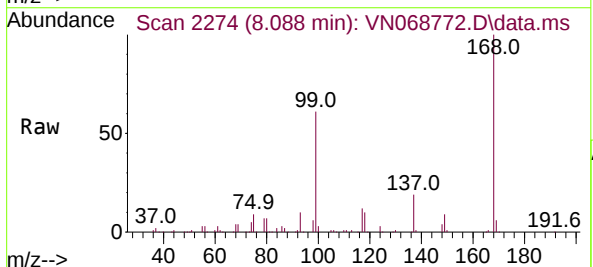
Tgt Ion: 96 Resp: 245593
Ion Ratio Lower Upper
96 100
61 121.9 0.0 338.8
98 64.8 0.0 129.8

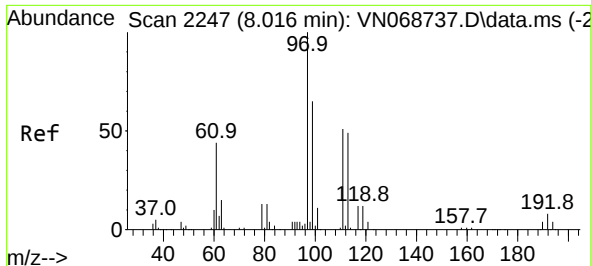


#31

Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 56 Resp: 13007
Ion Ratio Lower Upper
56 100
69 132.6 27.3 40.9#
84 88.7 64.9 97.3





#32

1,1,1-Trichloroethane

Concen: 0.209 ug/l

RT: 8.016 min Scan# 2247

Delta R.T. -0.000 min

Lab File: VN068772.D

Acq: 30 Sep 2021 19:11

Tgt Ion: 97 Resp: 2216

Ion Ratio Lower Upper

97 100

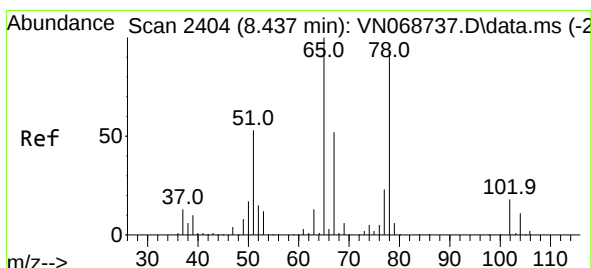
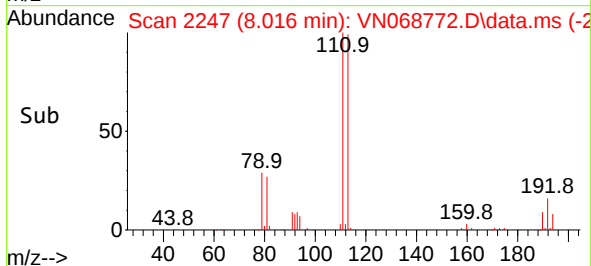
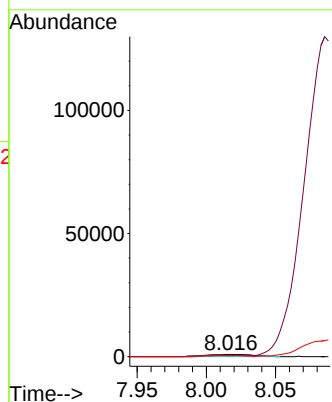
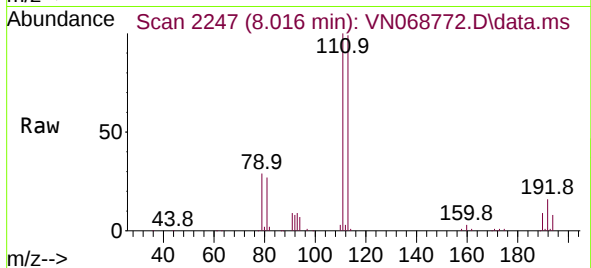
99 0.0 50.2 75.2#

61 36.7 38.2 57.2#

Instrument :

MSVOA_N

ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 49.369 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN068772.D

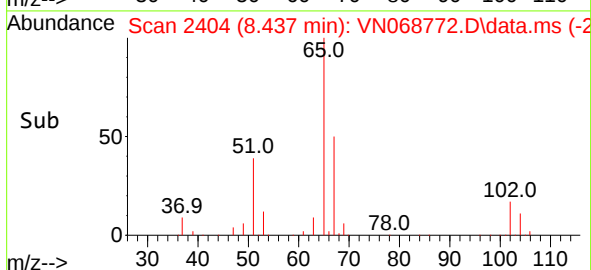
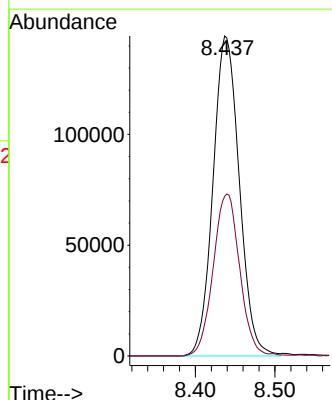
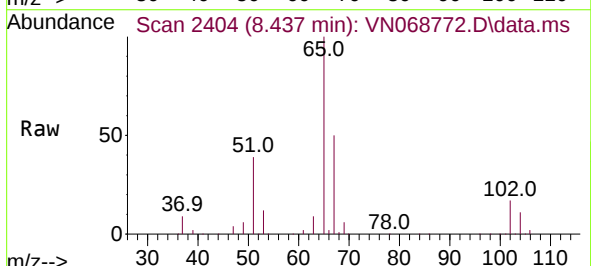
Acq: 30 Sep 2021 19:11

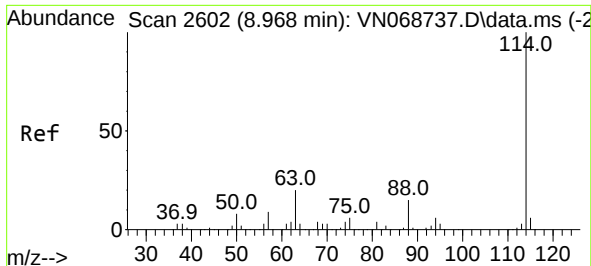
Tgt Ion: 65 Resp: 331894

Ion Ratio Lower Upper

65 100

67 51.2 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN068772.D

Acq: 30 Sep 2021 19:11

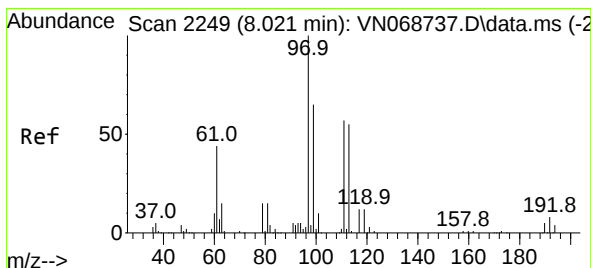
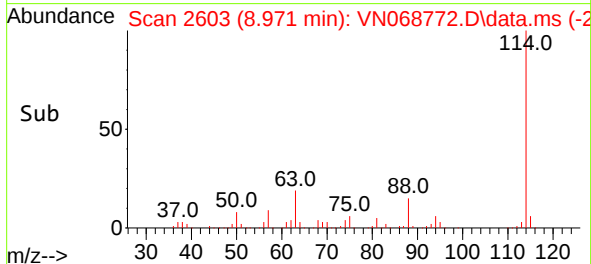
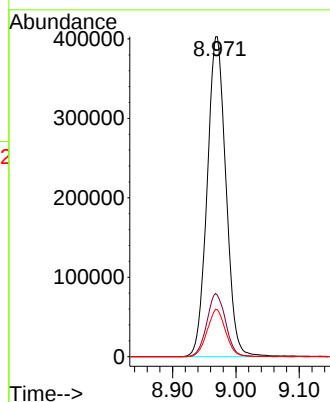
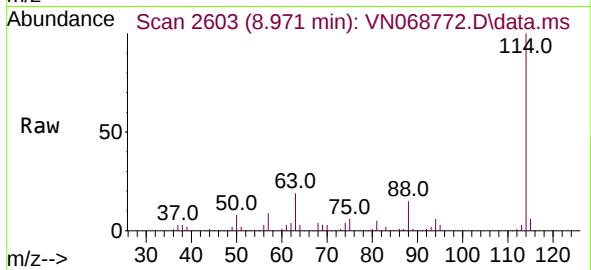
Tgt Ion:114 Resp: 827416

Ion Ratio Lower Upper

114 100

63 19.2 0.0 49.0

88 14.7 0.0 36.6



#35

Dibromofluoromethane

Concen: 50.161 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN068772.D

Acq: 30 Sep 2021 19:11

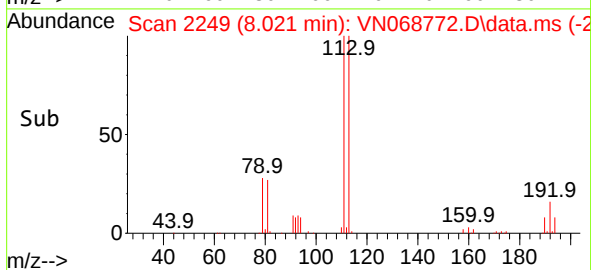
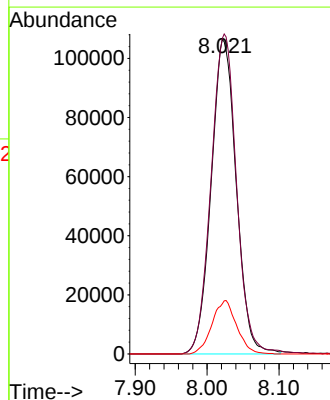
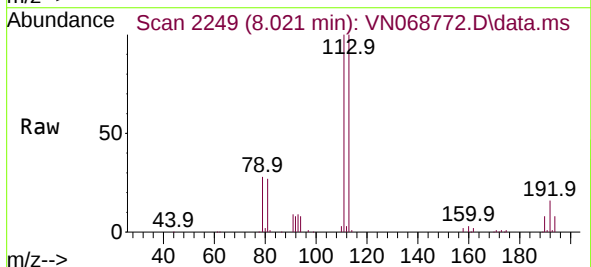
Tgt Ion:113 Resp: 257875

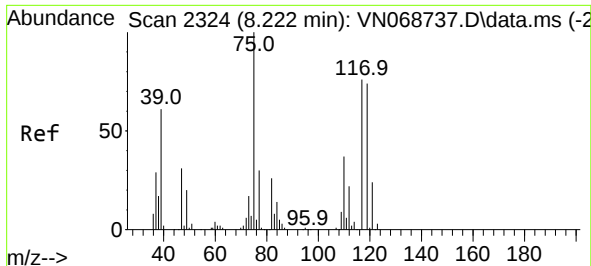
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.8

192 16.7 13.4 20.0

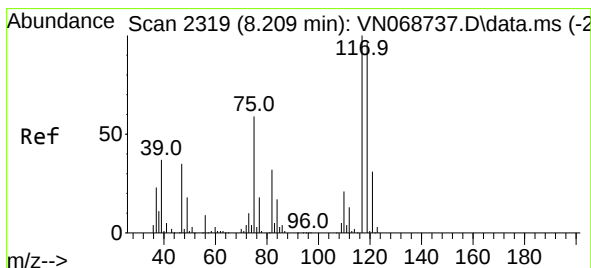
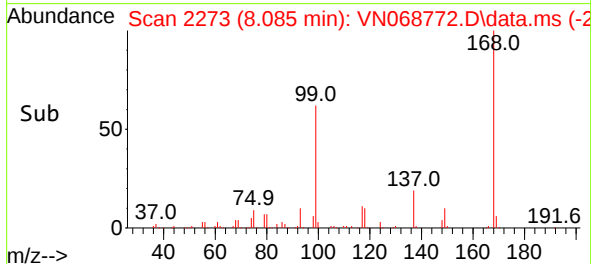
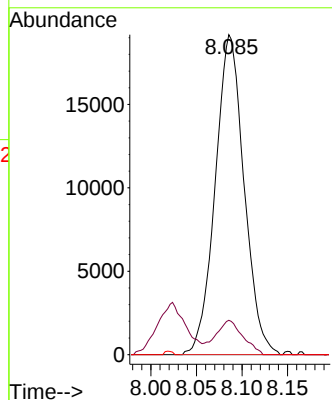
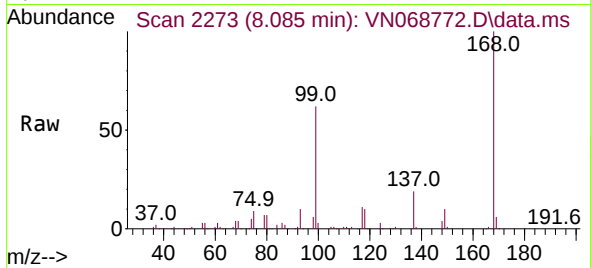




#36
1,1-Dichloropropene
Concen: 5.423 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

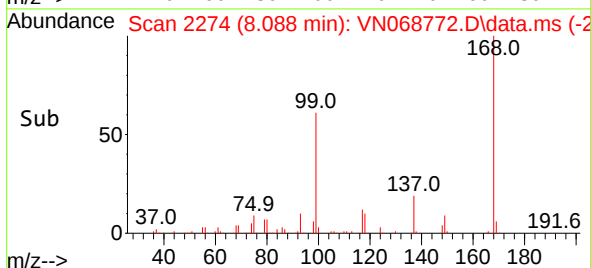
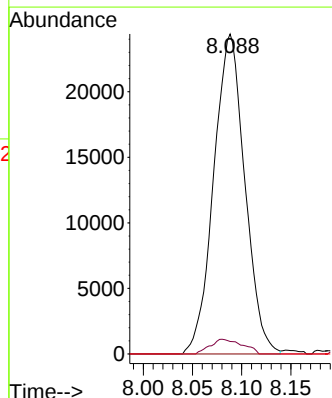
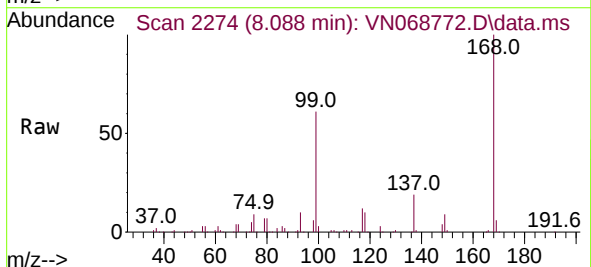
Instrument :
MSVOA_N
ClientSampled :

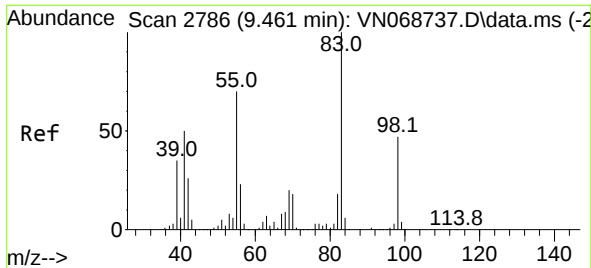
Tgt Ion: 75 Resp: 42203
Ion Ratio Lower Upper
75 100
110 9.8 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 117 Resp: 53690
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.2#
121 0.0 23.5 35.3#

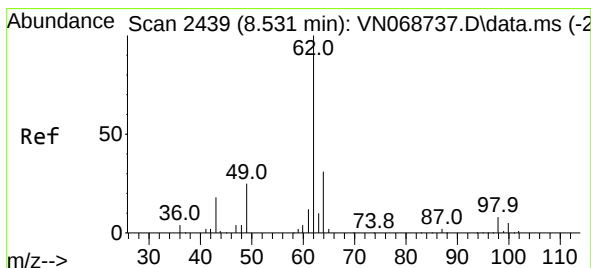
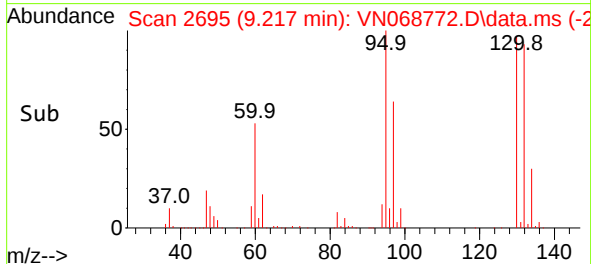
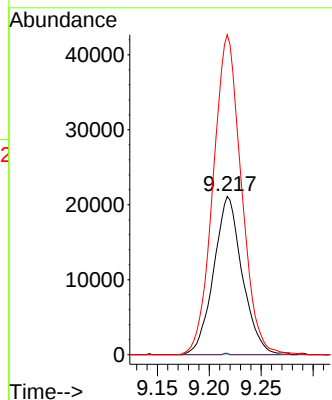
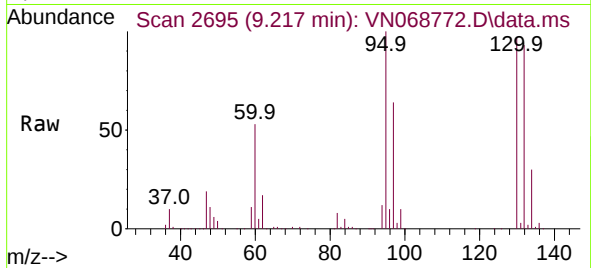




#39
Methylcyclohexane
Concen: 4.469 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

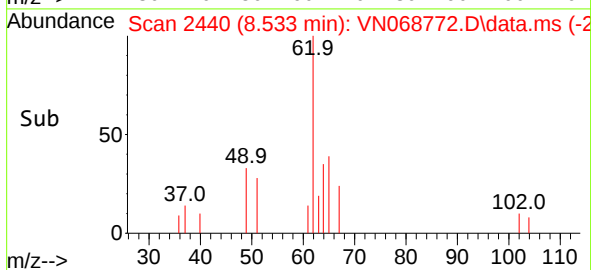
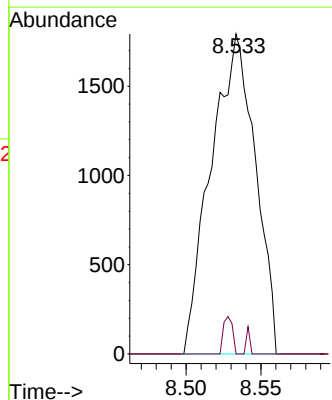
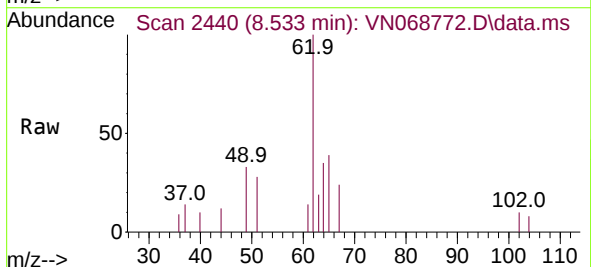
Instrument :
MSVOA_N
ClientSampled :

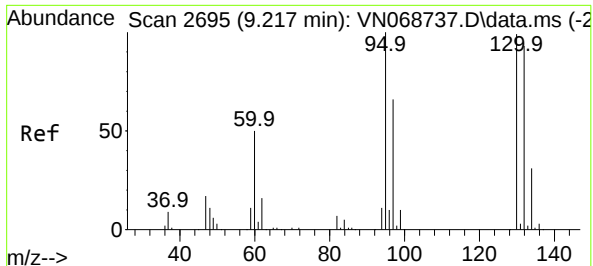
Tgt Ion: 83 Resp: 40304
Ion Ratio Lower Upper
83 100
55 0.9 66.6 99.8#
98 202.1 35.3 52.9#



#42
1,2-Dichloroethane
Concen: 0.397 ug/l
RT: 8.533 min Scan# 2440
Delta R.T. 0.002 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 62 Resp: 3690
Ion Ratio Lower Upper
62 100
98 2.4 0.0 14.2

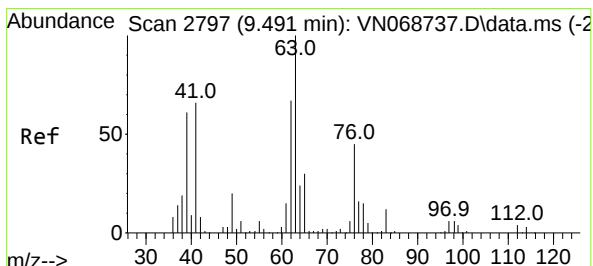
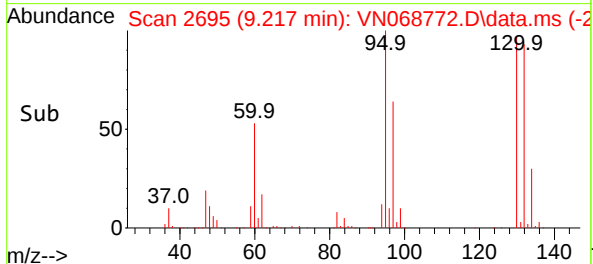
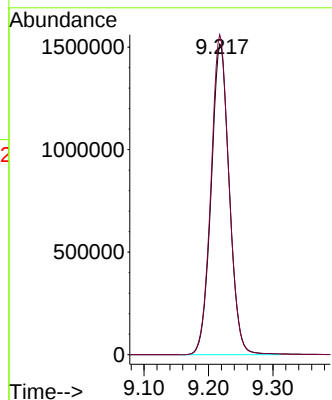
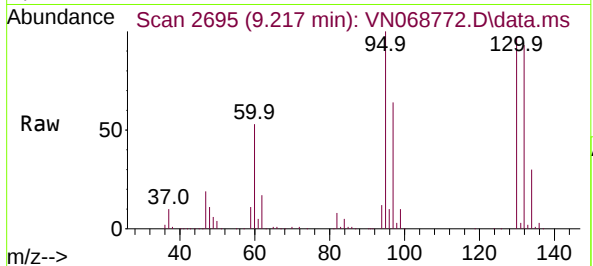




#44
Trichloroethene
Concen: 469.478 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

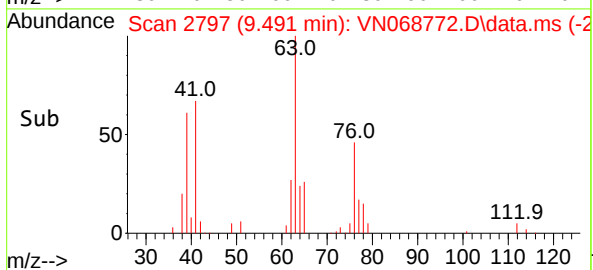
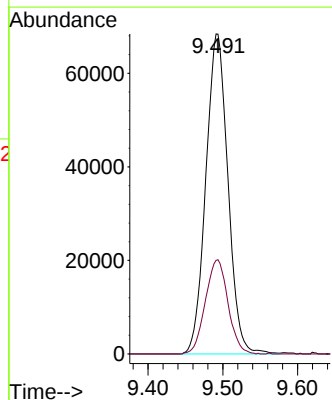
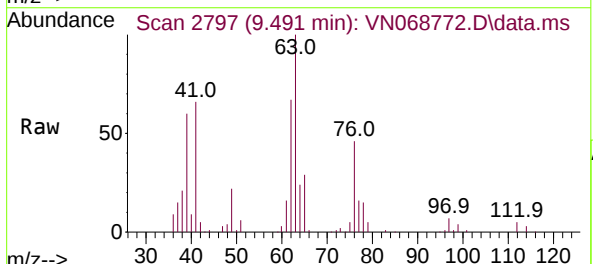
Instrument :
MSVOA_N
ClientSampled :

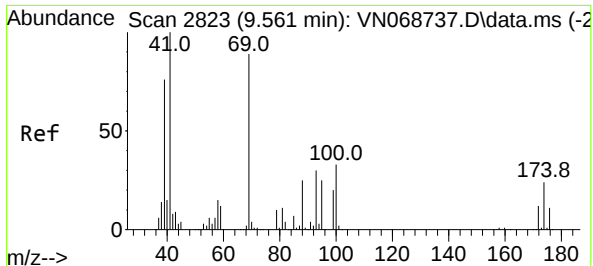
Tgt Ion:130 Resp: 2969386
Ion Ratio Lower Upper
130 100
95 103.0 0.0 234.4



#45
1,2-Dichloropropane
Concen: 22.978 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 63 Resp: 140470
Ion Ratio Lower Upper
63 100
65 29.3 24.3 36.5

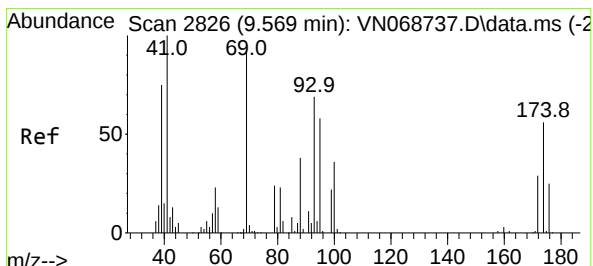
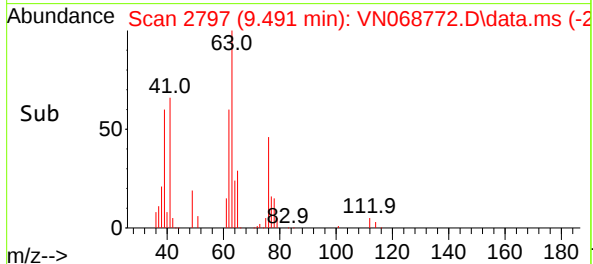
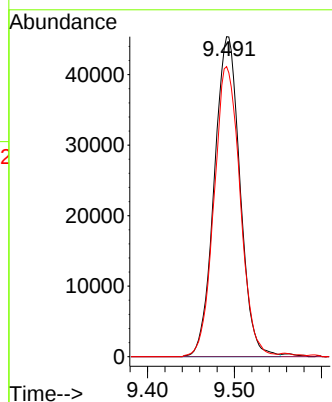
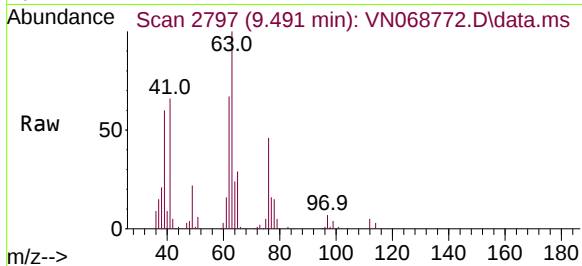




#48
Methyl methacrylate
Concen: 16.349 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. -0.070 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

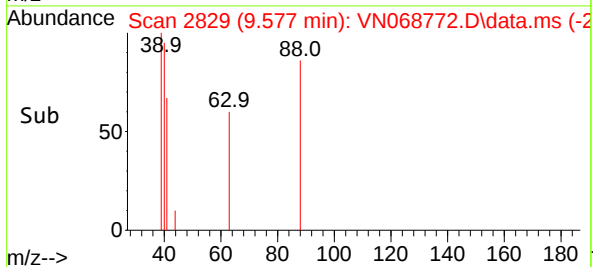
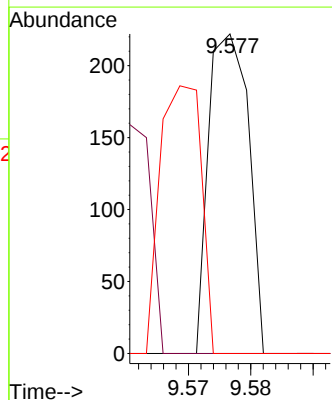
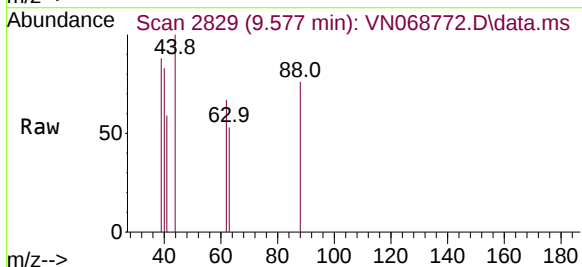
Instrument :
MSVOA_N
ClientSampleId :

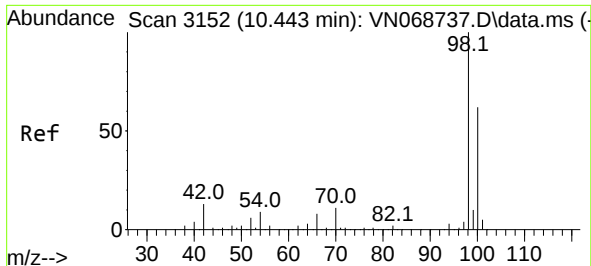
Tgt Ion: 41 Resp: 93228
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 92.1 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.075 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.008 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 50.5 28.8 43.2#
58 86.9 60.4 90.6

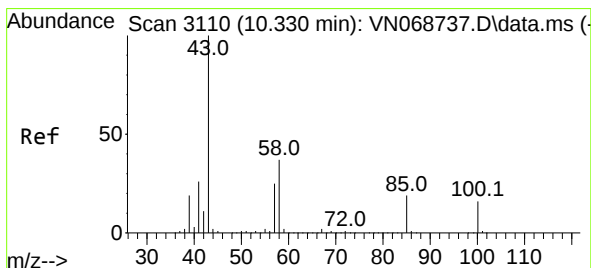
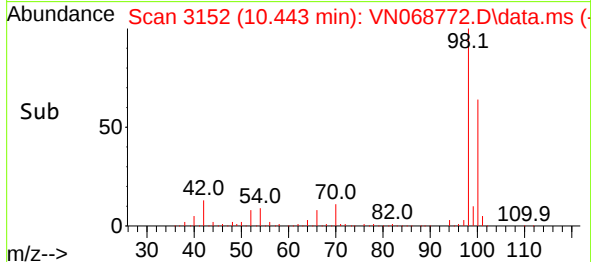
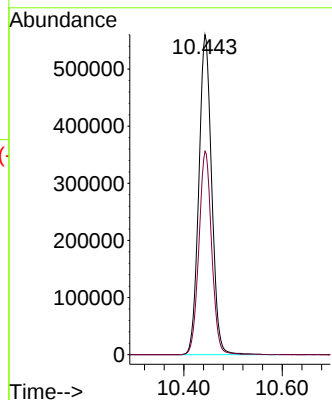
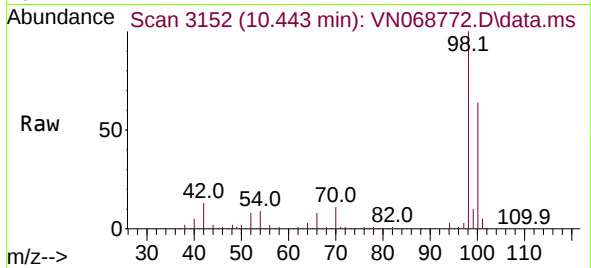




#50
Toluene-d8
Concen: 54.003 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

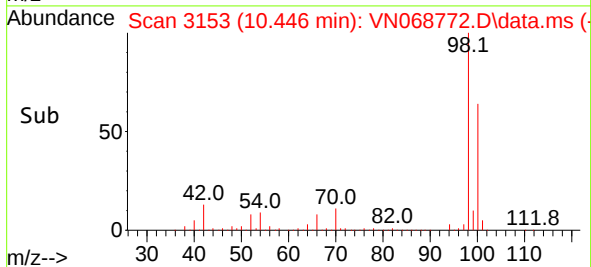
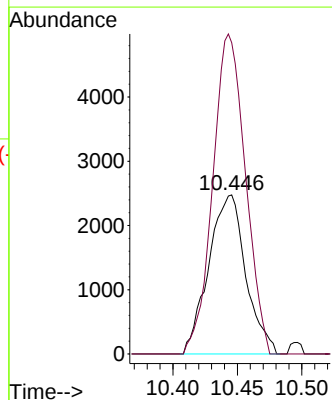
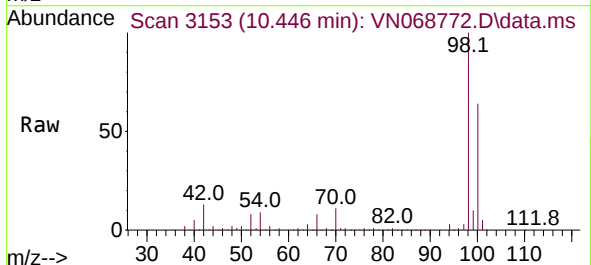
Instrument :
MSVOA_N
ClientSampled :

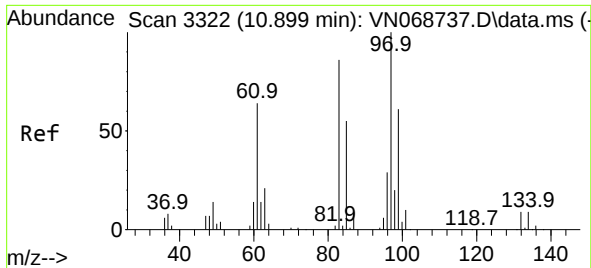
Tgt Ion: 98 Resp: 1014503
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.605 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.116 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 43 Resp: 4970
Ion Ratio Lower Upper
43 100
58 176.9 28.6 43.0#

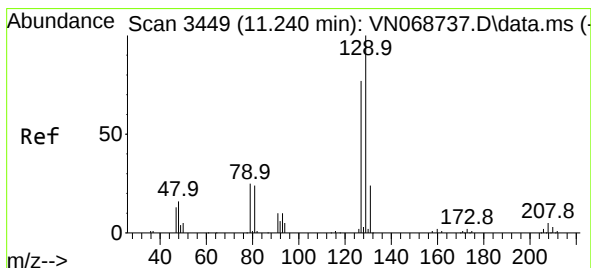
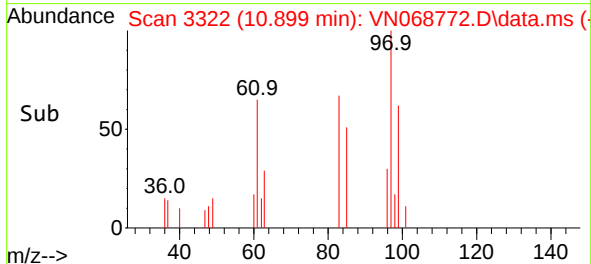
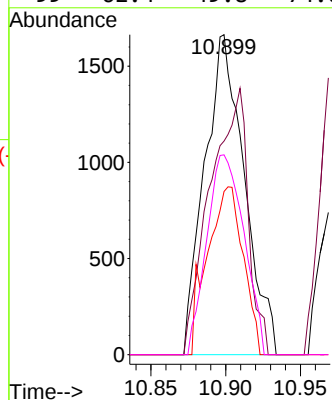
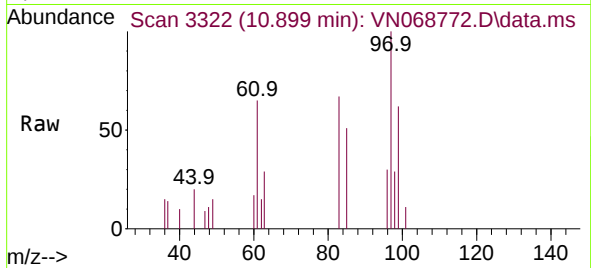




#55
1,1,2-Trichloroethane
Concen: 0.457 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. -0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

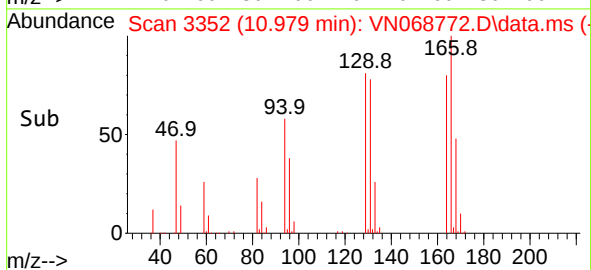
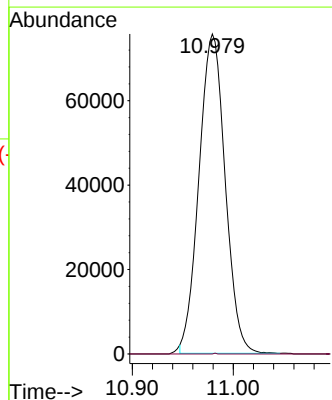
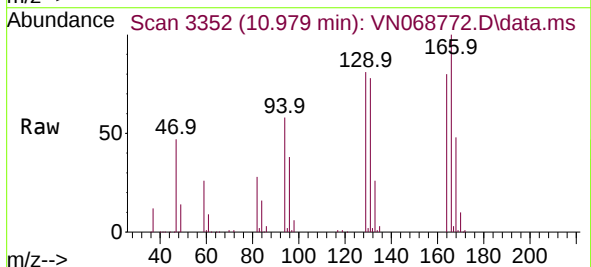
Instrument :
MSVOA_N
ClientSampleId :

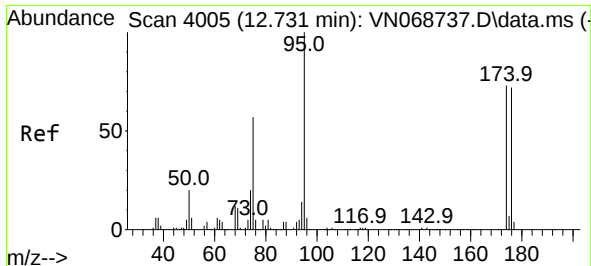
Tgt Ion: 97	Resp: 3070
Ion Ratio	Lower Upper
97 100	
83 66.8	72.0 108.0#
85 51.0	46.8 70.2
99 62.4	49.8 74.6



#60
Dibromochloromethane
Concen: 19.234 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt	Ion:129	Resp:	136165
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	115.8#

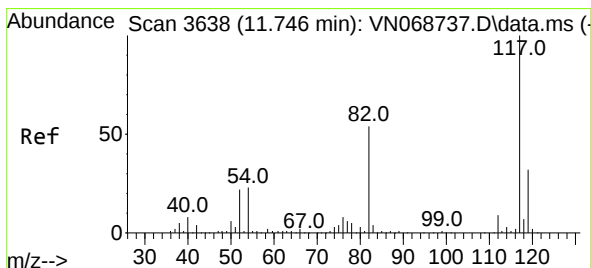
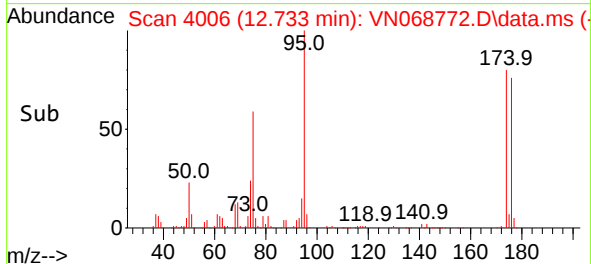
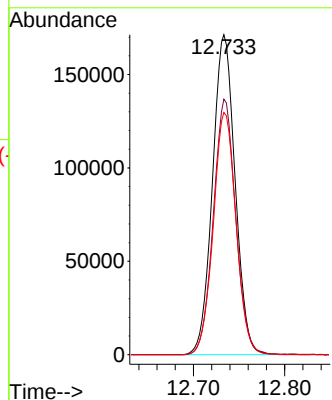
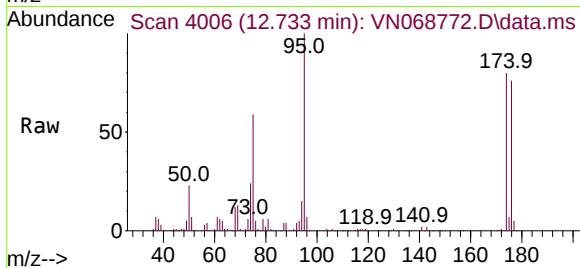




#62
4-Bromofluorobenzene
Concen: 45.190 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

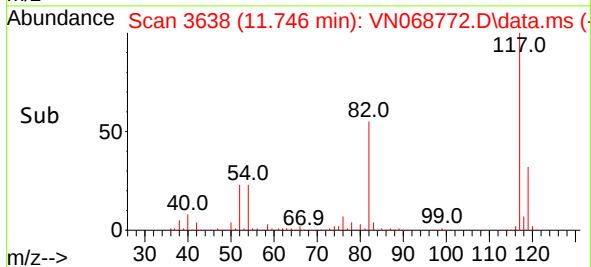
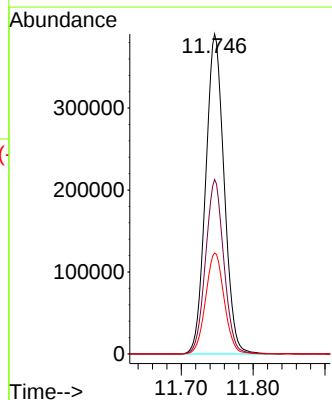
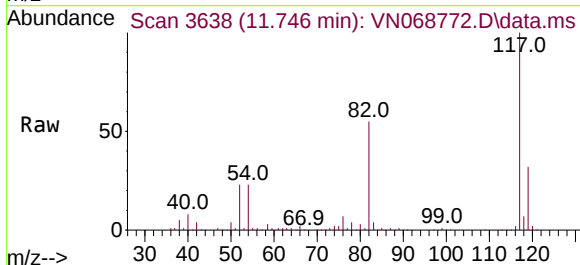
Instrument :
MSVOA_N
ClientSampleId :

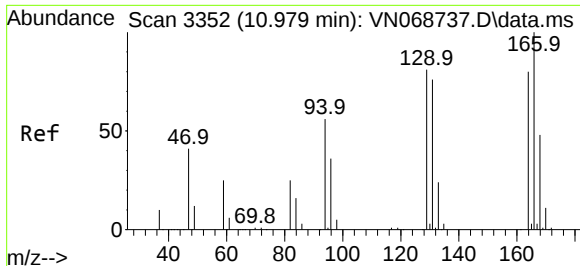
Tgt Ion: 95 Resp: 294985
Ion Ratio Lower Upper
95 100
174 79.2 0.0 122.0
176 76.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion: 117 Resp: 697552
Ion Ratio Lower Upper
117 100
82 54.6 53.1 79.7
119 31.6 25.5 38.3



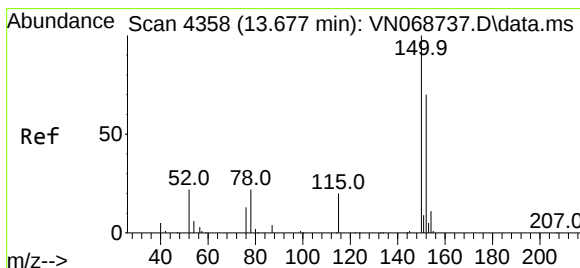
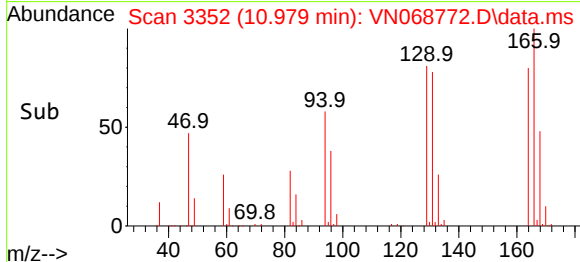
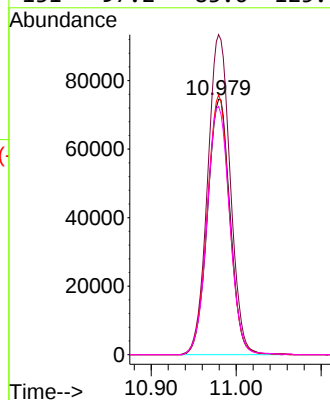
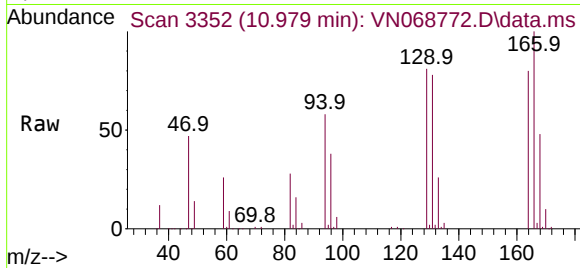


#64
Tetrachloroethene
Concen: 26.396 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:164 Resp: 137443

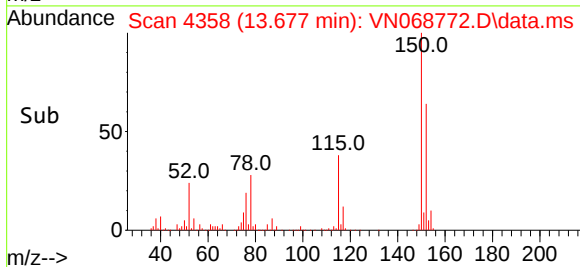
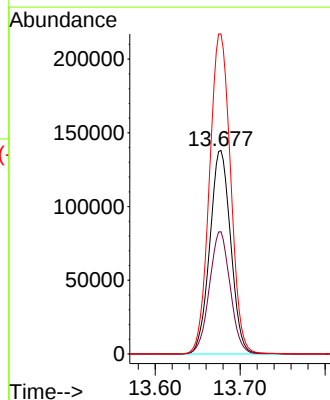
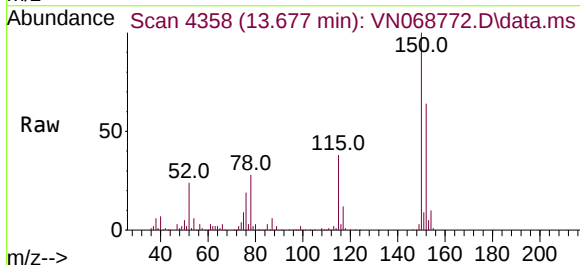
Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.1	153.1
129	101.7	86.9	130.3
131	97.2	83.6	125.4

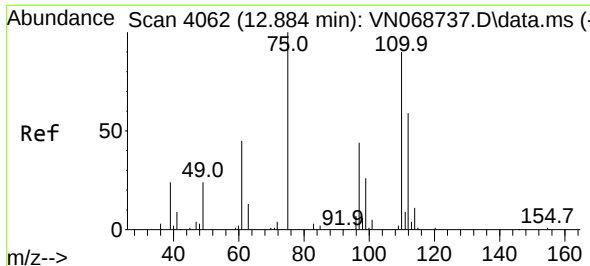


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Tgt Ion:152 Resp: 235469

Ion	Ratio	Lower	Upper
152	100		
115	59.9	36.1	108.5
150	159.2	0.0	351.8

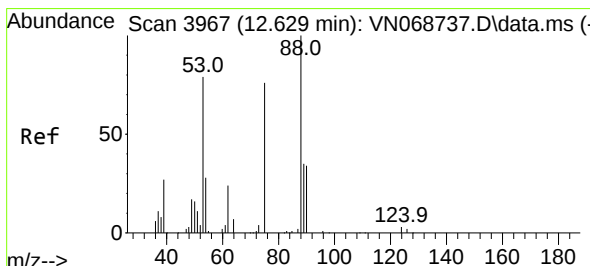
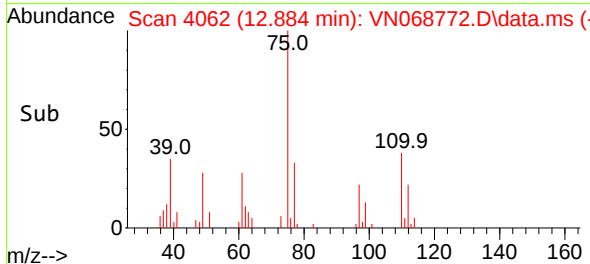
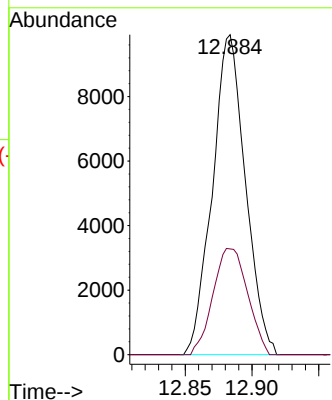
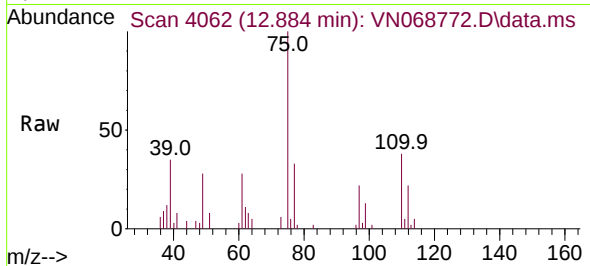




#76
1,2,3-Trichloropropane
Concen: 3.258 ug/l
RT: 12.884 min Scan# 4062
Delta R.T. -0.000 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

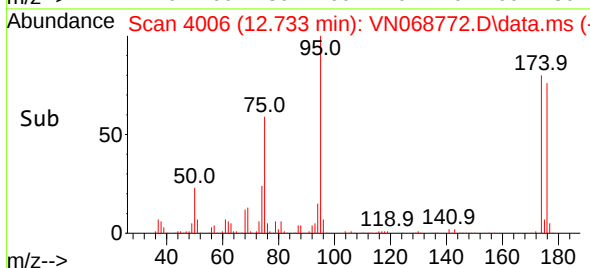
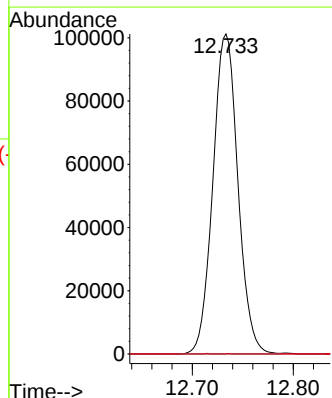
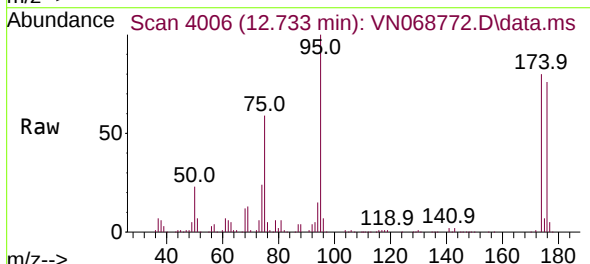
Instrument :
MSVOA_N
ClientSampleId :

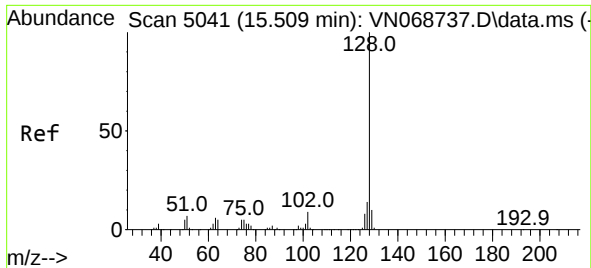
Tgt Ion: 75 Resp: 17060
Ion Ratio Lower Upper
75 100
77 34.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.538 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

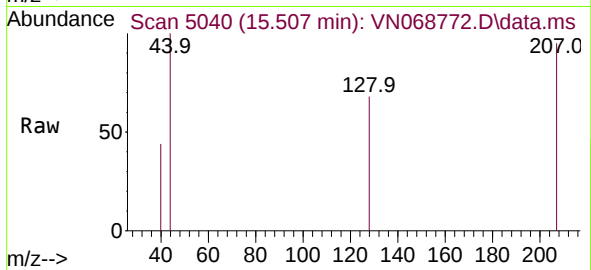
Tgt Ion: 75 Resp: 173901
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.506 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068772.D
Acq: 30 Sep 2021 19:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	670
Ion Ratio	100	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

