

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042722\
 Data File : VN072223.D
 Acq On : 27 Apr 2022 18:05
 Operator : JC\MD
 Sample : N2575-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31809

Quant Time: Apr 28 06:05:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

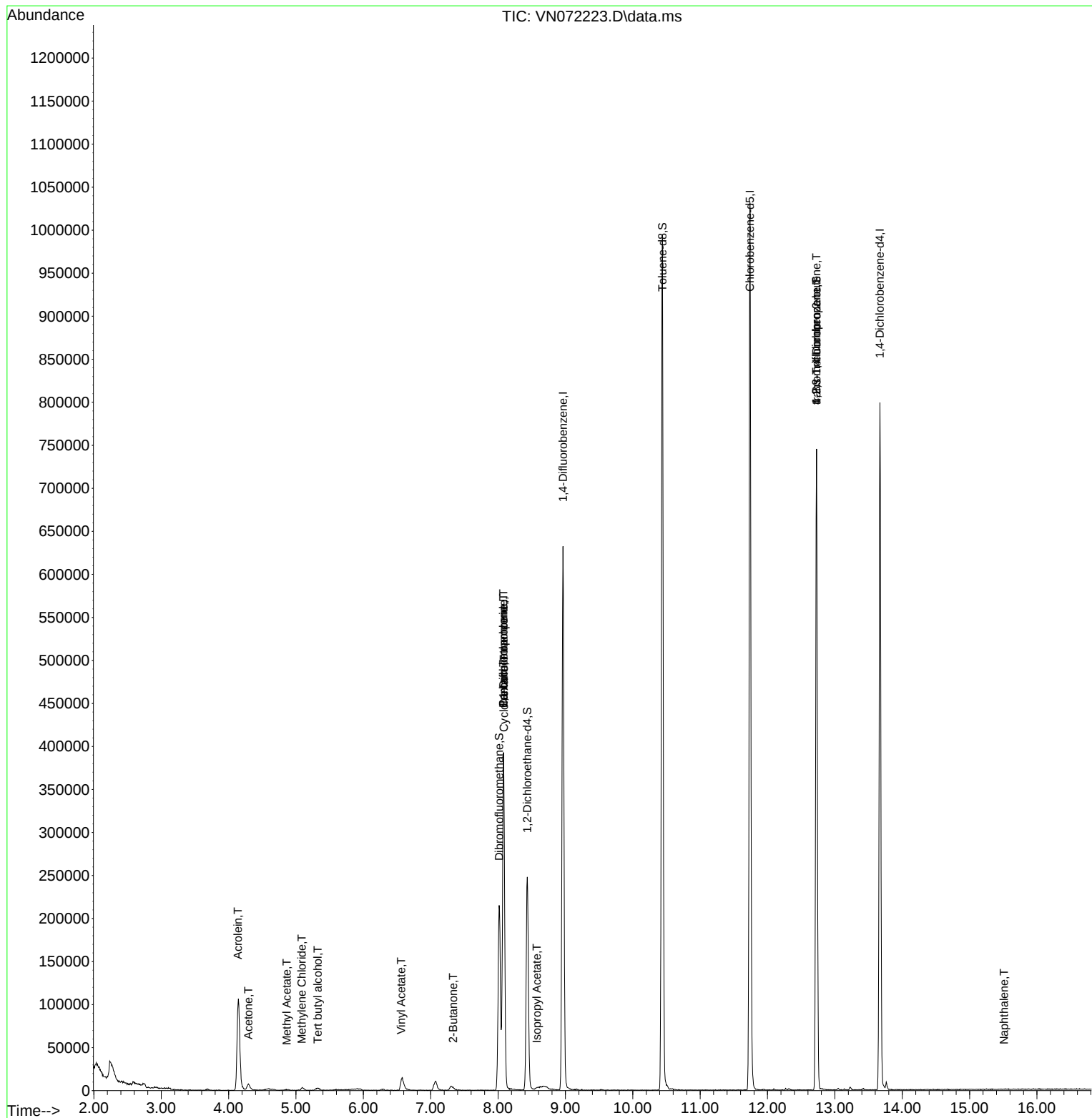
Internal Standards						
1) Pentafluorobenzene	8.081	168	273730	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	521247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	570281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	208451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	214700	51.090	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.180%			
35) Dibromofluoromethane	8.016	113	160810	48.201	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.400%			
50) Toluene-d8	10.439	98	679795	51.855	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.727	95	265530	61.023	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 122.040%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1119	Below Cal	#	43
5) Bromomethane	2.863	94	119	Below Cal		94
6) Chloroethane	2.999	64	688	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	2668	3.863	ug/l #	72
13) Acrolein	4.140	56	2315	3.331	ug/l #	1
16) Acetone	4.293	43	11579	6.391	ug/l	95
18) Methyl Acetate	4.863	43	1740	0.304	ug/l #	68
20) Methylene Chloride	5.087	84	2550	0.734	ug/l #	70
23) Vinyl Acetate	6.563	43	2988	0.318	ug/l #	68
25) 2-Butanone	7.334	43	3288	1.140	ug/l #	75
31) Cyclohexane	8.087	56	6578	1.172	ug/l #	12
36) 1,1-Dichloropropene	8.081	75	24340	5.012	ug/l #	48
38) Carbon Tetrachloride	8.081	117	30151	5.797	ug/l #	19
43) Isopropyl Acetate	8.575	43	1539	0.951	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.733	83	178	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.727	75	144131	30.778	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	144131	79.948	ug/l #	10
95) Naphthalene	15.510	128	148	4.312	ug/l #	69

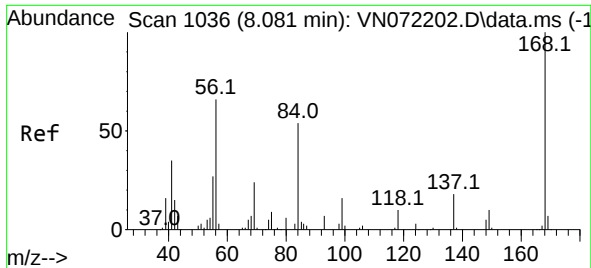
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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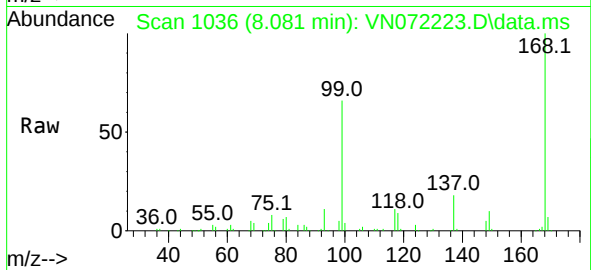
Quant Time: Apr 28 06:05:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration



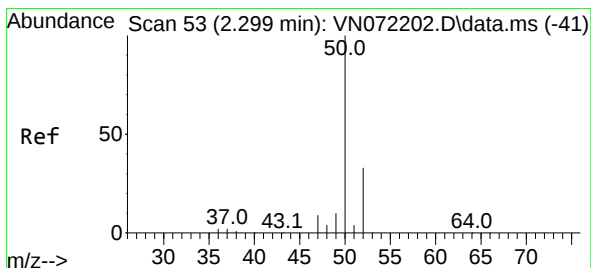
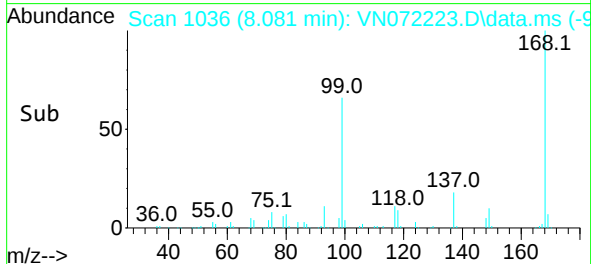
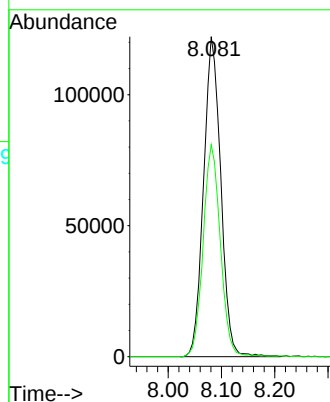


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Instrument :
MSVOA_N
ClientSampleId :
31809

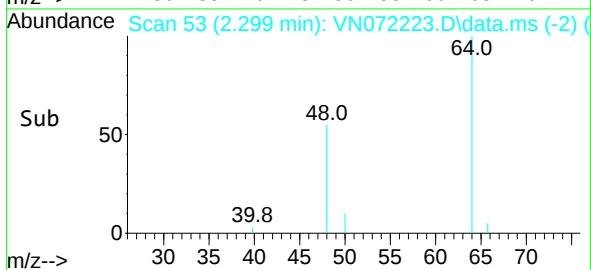
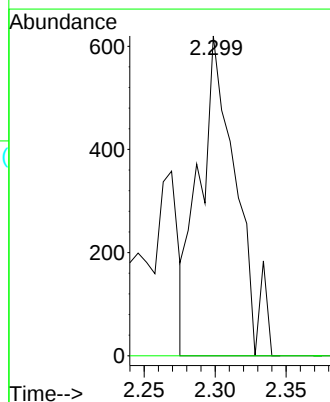
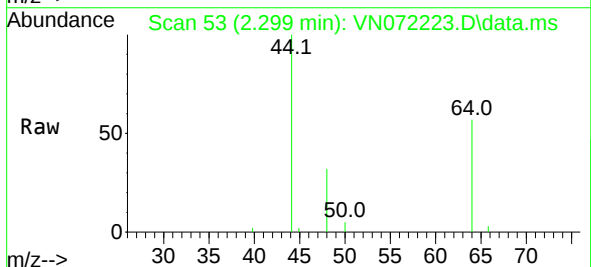


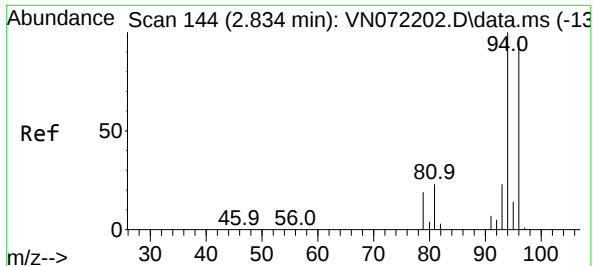
Tgt Ion:168 Resp: 273730
Ion Ratio Lower Upper
168 100
99 66.3 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Tgt Ion: 50 Resp: 1119
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

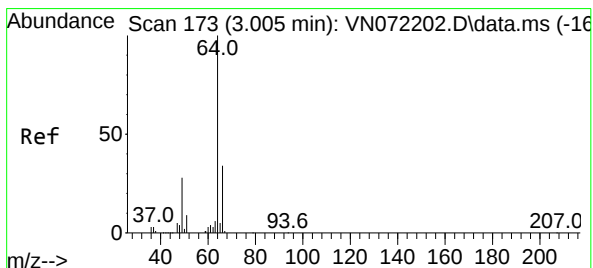
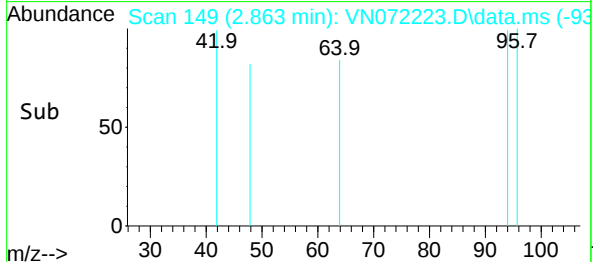
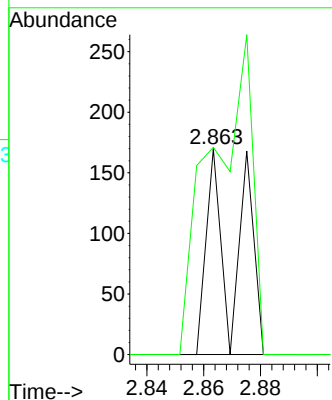
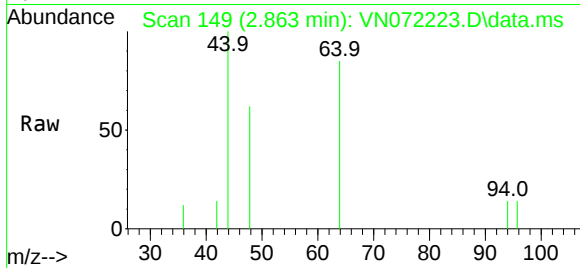




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 144
Delta R.T. 0.029 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

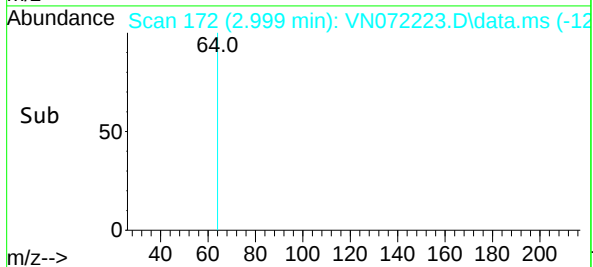
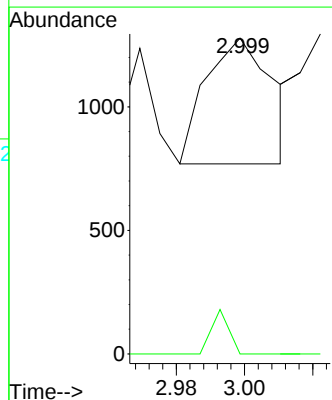
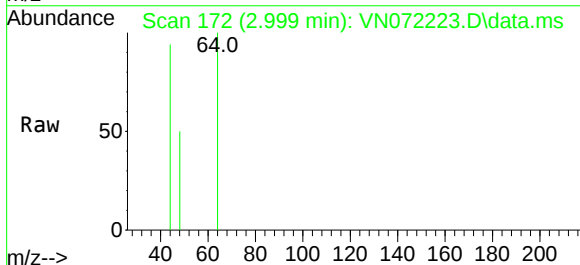
Instrument :
MSVOA_N
ClientSampleId :
31809

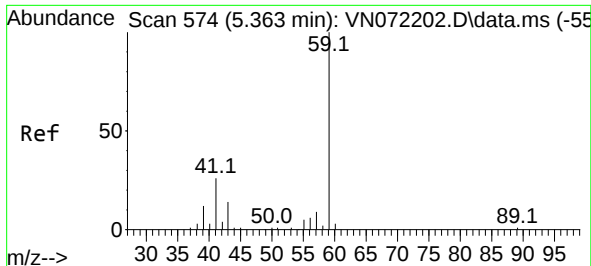
Tgt Ion: 94 Resp: 119
Ion Ratio Lower Upper
94 100
96 100.6 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.999 min Scan# 172
Delta R.T. -0.006 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Tgt Ion: 64 Resp: 688
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 3.863 ug/l

RT: 5.322 min Scan# 5

Delta R.T. -0.041 min

Lab File: VN072223.D

Acq: 27 Apr 2022 18:05

Instrument :

MSVOA_N

ClientSampleId :

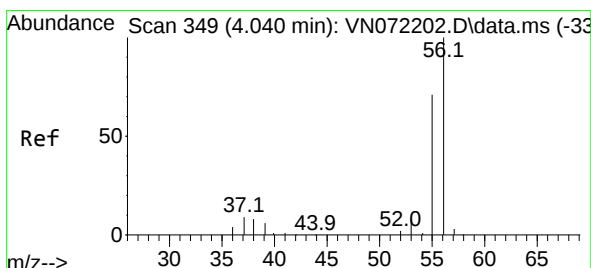
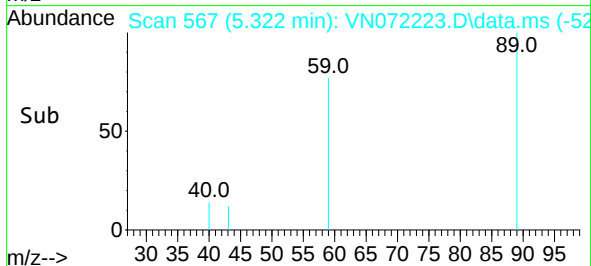
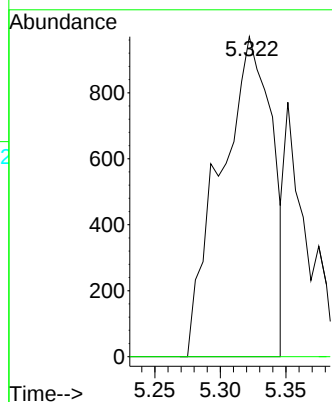
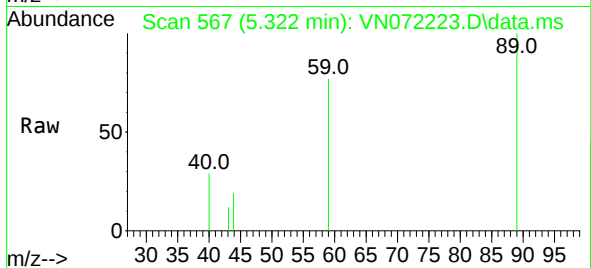
31809

Tgt Ion: 59 Resp: 2668

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 3.331 ug/l

RT: 4.140 min Scan# 366

Delta R.T. 0.100 min

Lab File: VN072223.D

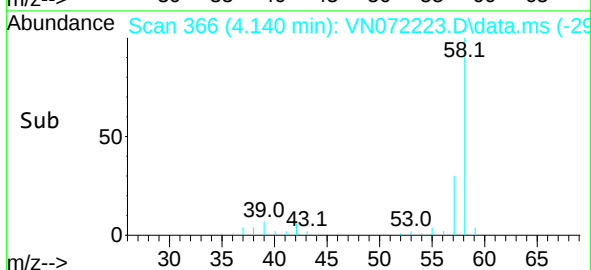
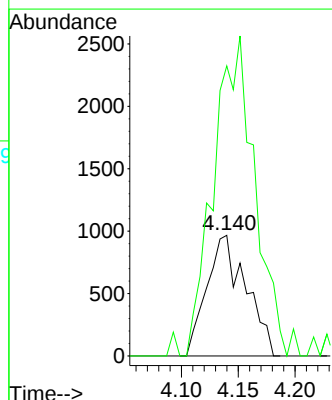
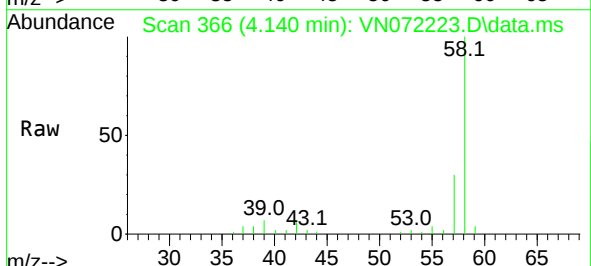
Acq: 27 Apr 2022 18:05

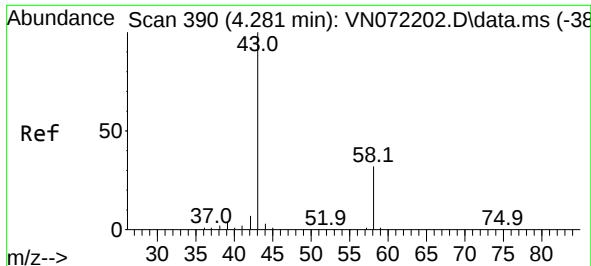
Tgt Ion: 56 Resp: 2315

Ion Ratio Lower Upper

56 100

55 281.6 54.8 82.2#

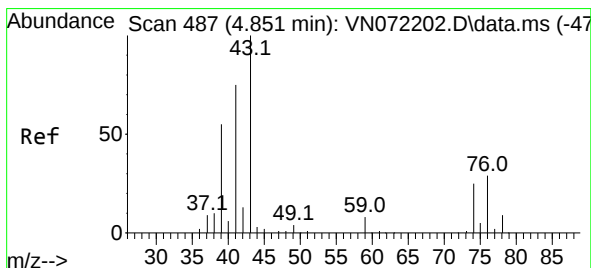
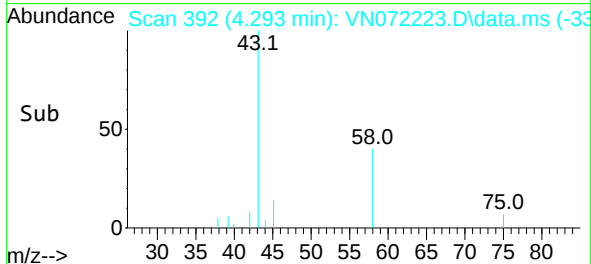
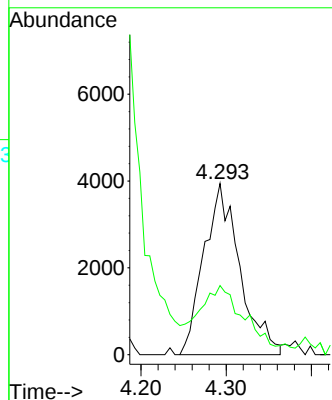
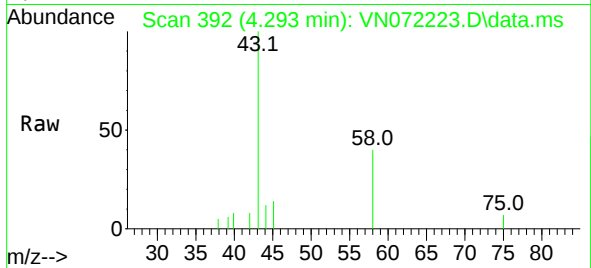




#16
Acetone
Concen: 6.391 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

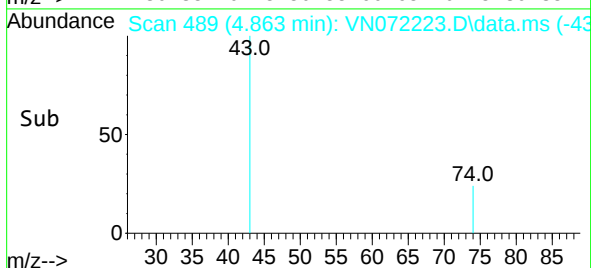
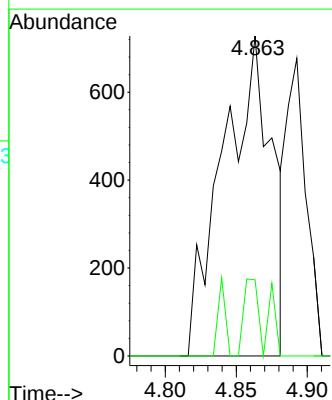
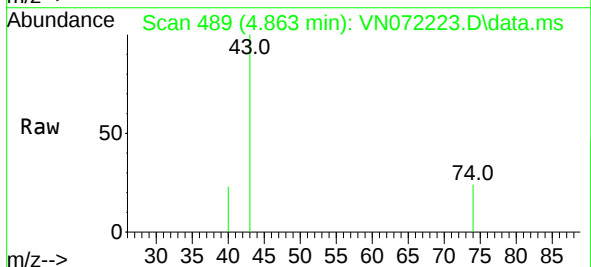
Instrument :
MSVOA_N
ClientSampleId :
31809

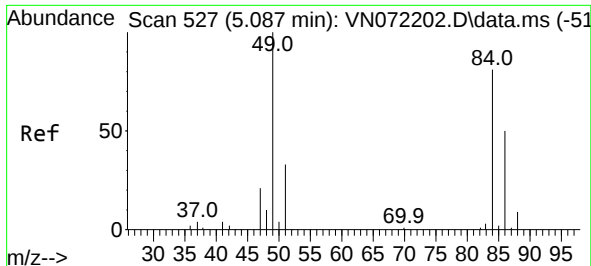
Tgt Ion: 43 Resp: 11579
Ion Ratio Lower Upper
43 100
58 35.1 26.0 39.0



#18
Methyl Acetate
Concen: 0.304 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

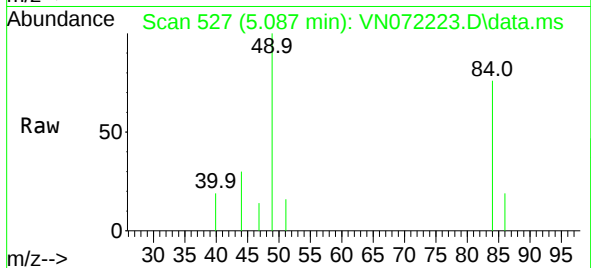
Tgt Ion: 43 Resp: 1740
Ion Ratio Lower Upper
43 100
74 10.4 21.6 32.4#



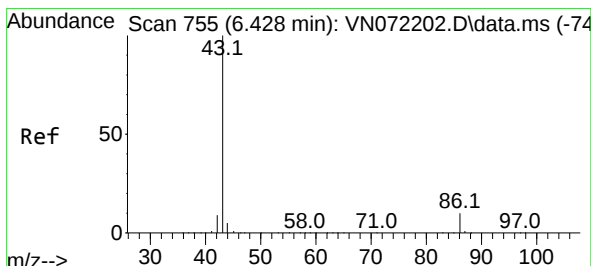
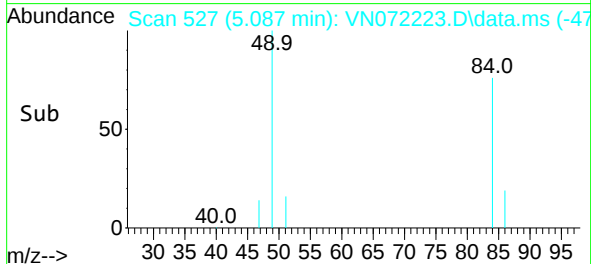
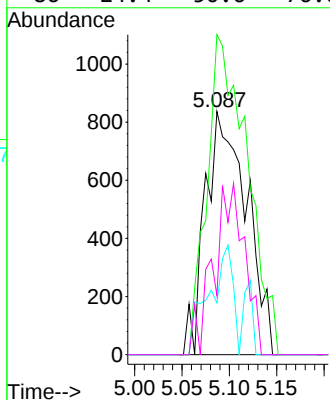


#20
Methylene Chloride
Concen: 0.734 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Instrument :
MSVOA_N
ClientSampleId :
31809

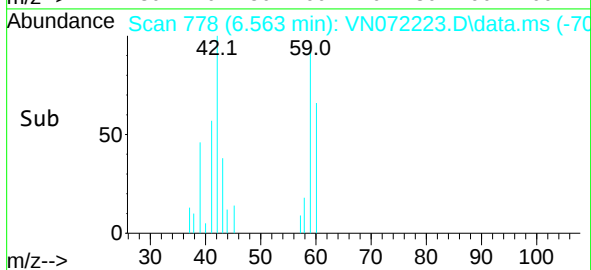
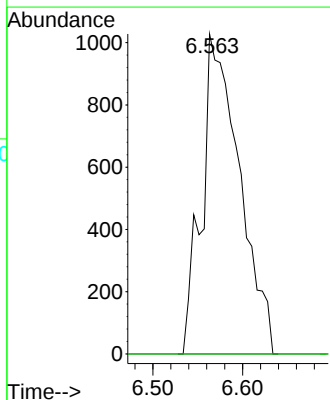
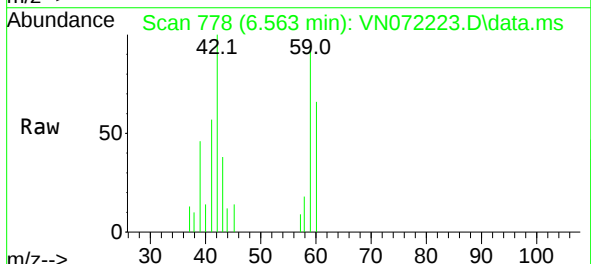


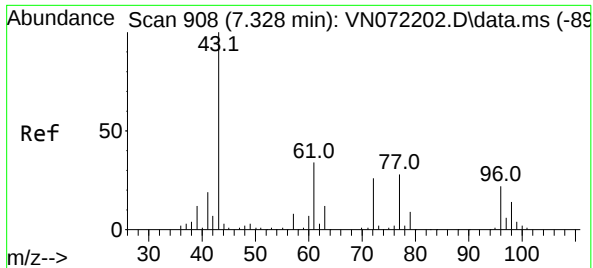
Tgt Ion:	84	Resp:	2550
Ion	Ratio	Lower	Upper
84	100		
49	131.5	88.3	132.5
51	21.3	28.2	42.2#
86	24.4	50.6	76.0#



#23
Vinyl Acetate
Concen: 0.318 ug/l
RT: 6.563 min Scan# 778
Delta R.T. 0.135 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Tgt Ion:	43	Resp:	2988
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.0	15.0#

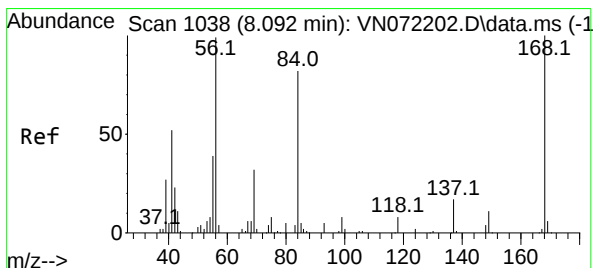
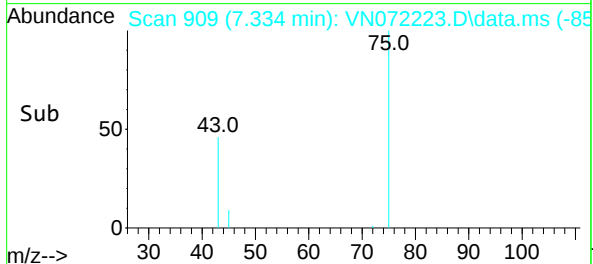
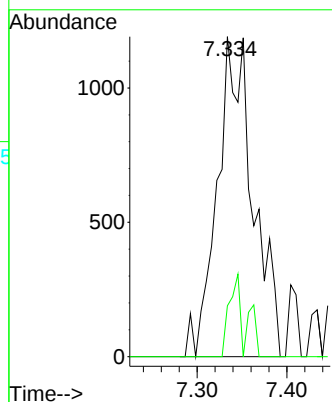
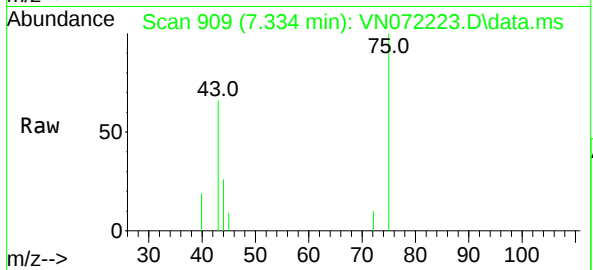




#25
2-Butanone
Concen: 1.140 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

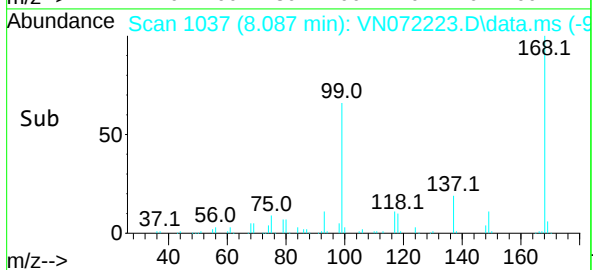
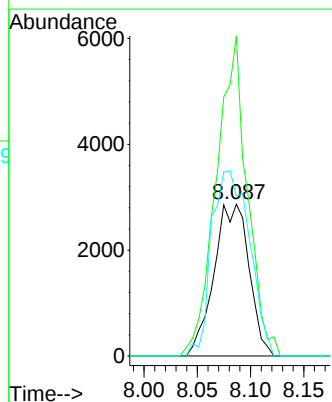
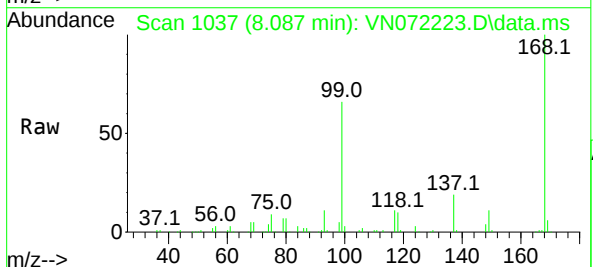
Instrument :
MSVOA_N
ClientSampleId :
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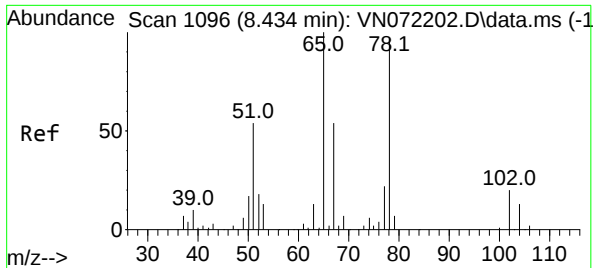
Tgt Ion: 43 Resp: 3288
Ion Ratio Lower Upper
43 100
72 15.9 23.7 35.5#



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Tgt Ion: 56 Resp: 6578
Ion Ratio Lower Upper
56 100
69 210.9 27.8 41.8#
84 105.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 51.090 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072223.D

Acq: 27 Apr 2022 18:05

Instrument :

MSVOA_N

ClientSampleId :

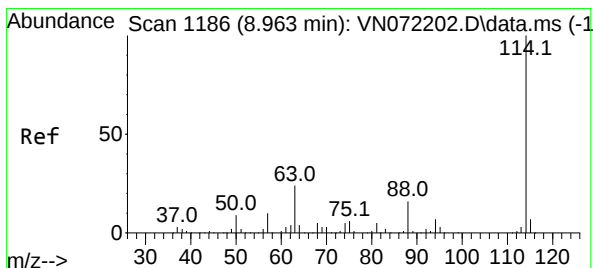
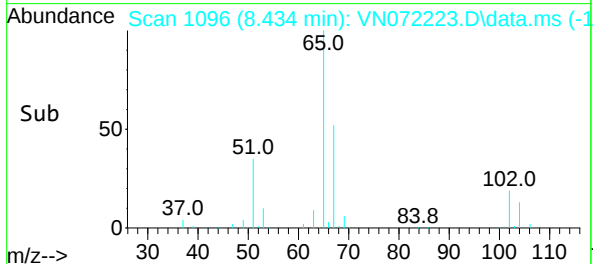
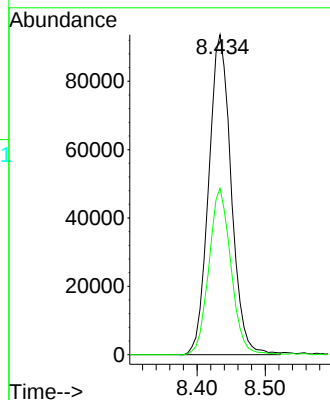
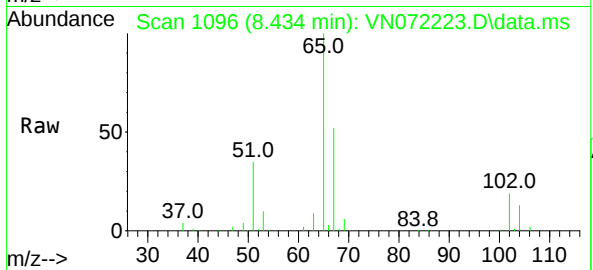
31809

Tgt Ion: 65 Resp: 214700

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072223.D

Acq: 27 Apr 2022 18:05

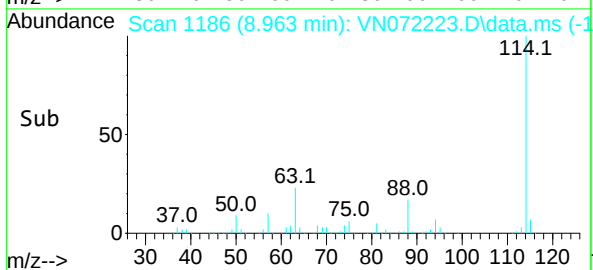
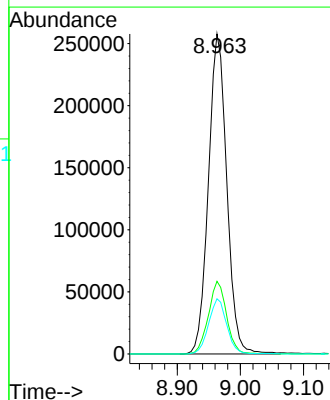
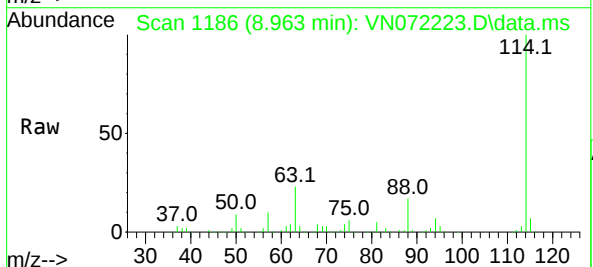
Tgt Ion: 114 Resp: 521247

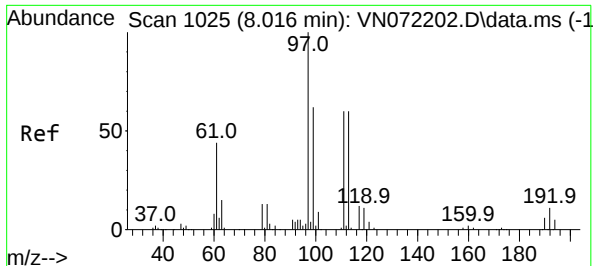
Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.0

88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.201 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN072223.D

Acq: 27 Apr 2022 18:05

Instrument :

MSVOA_N

ClientSampleId :

31809

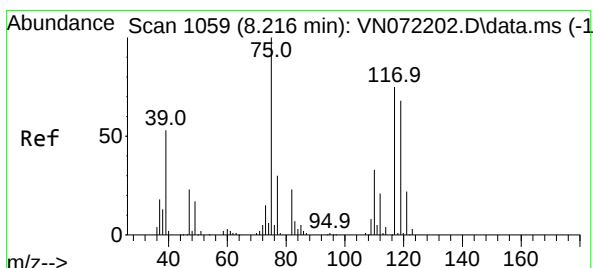
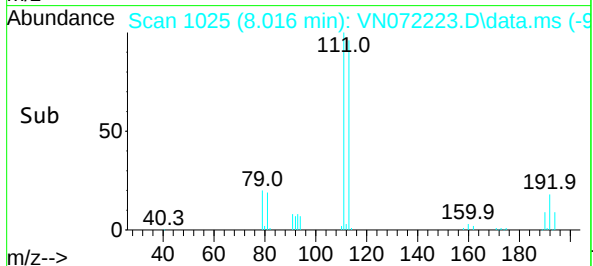
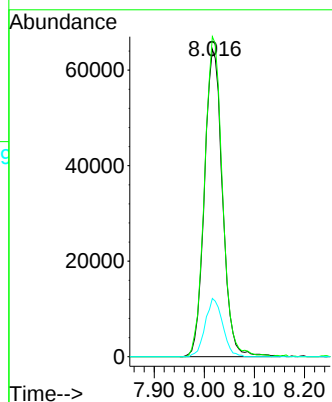
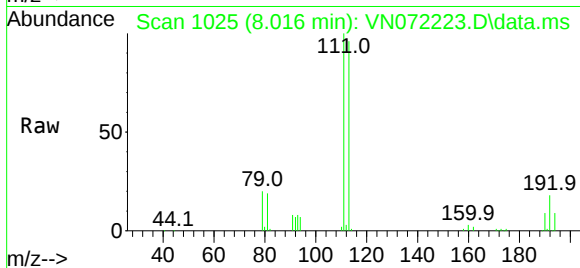
Tgt Ion:113 Resp: 160810

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 18.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.012 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072223.D

Acq: 27 Apr 2022 18:05

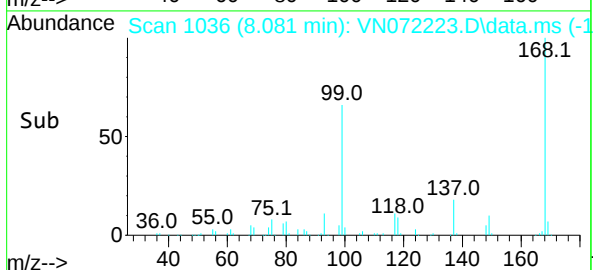
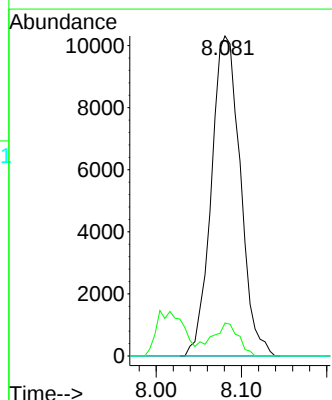
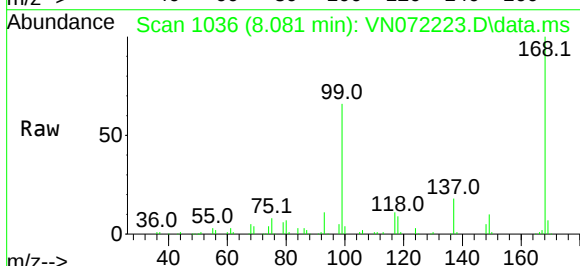
Tgt Ion: 75 Resp: 24340

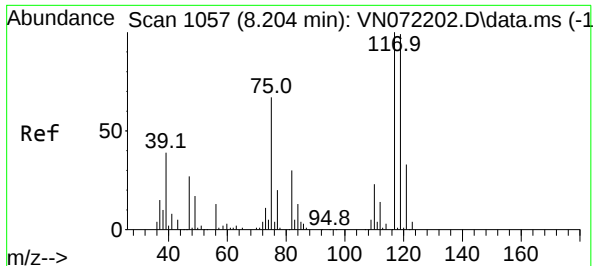
Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#

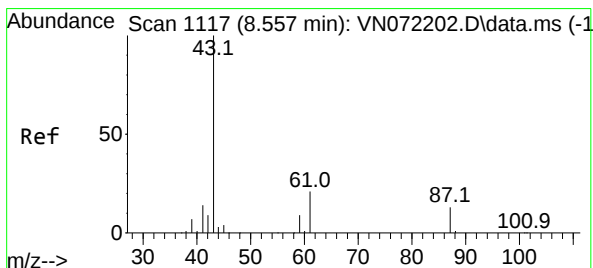
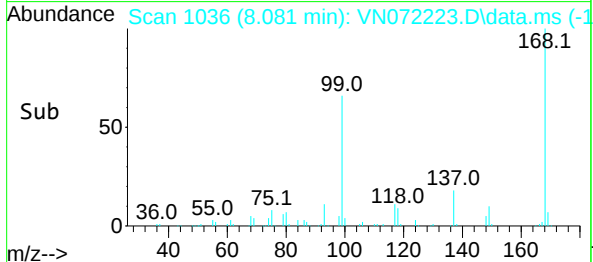
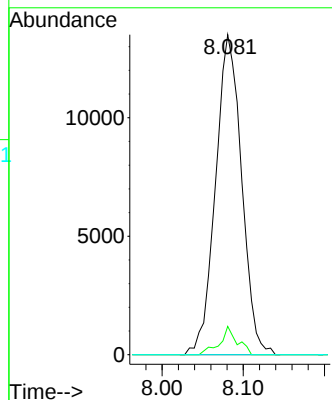
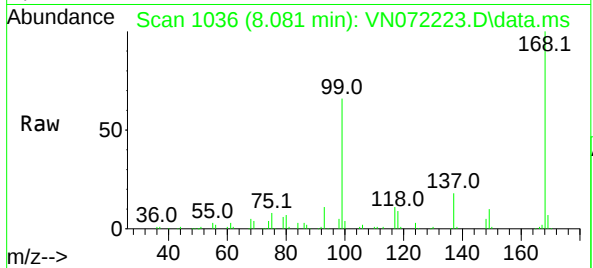




#38
Carbon Tetrachloride
Concen: 5.797 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.123 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

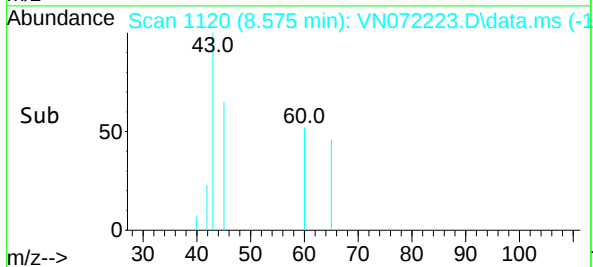
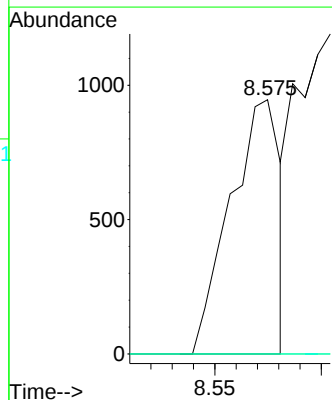
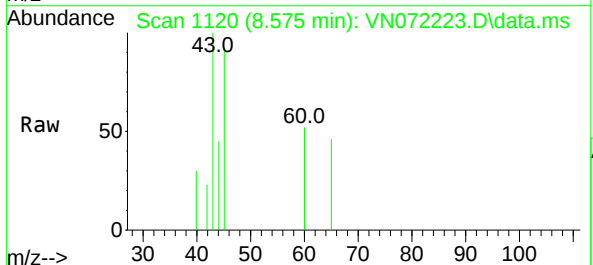
Instrument :
MSVOA_N
ClientSampleId :
31809

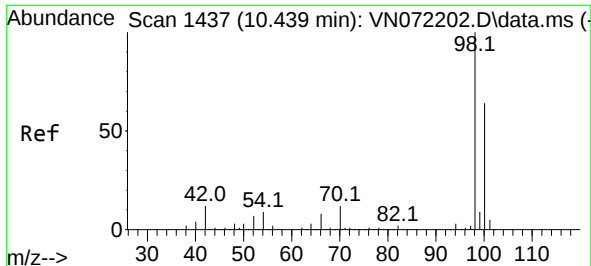
Tgt Ion:117 Resp: 30151
Ion Ratio Lower Upper
117 100
119 8.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.951 ug/l
RT: 8.575 min Scan# 1120
Delta R.T. 0.018 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

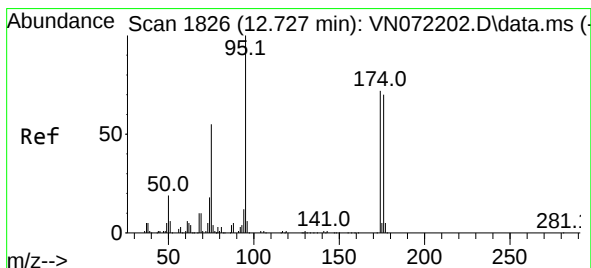
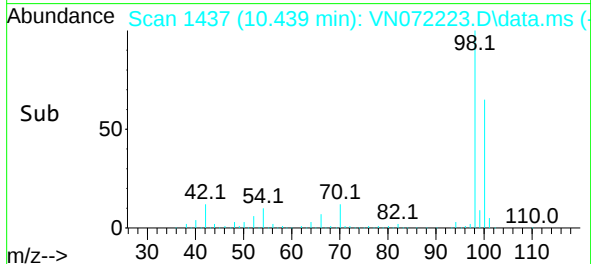
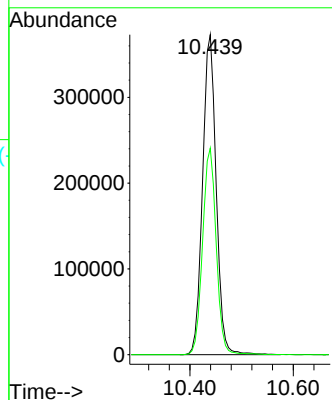
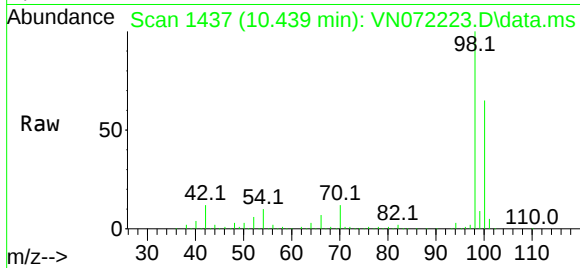




#50
Toluene-d8
Concen: 51.855 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

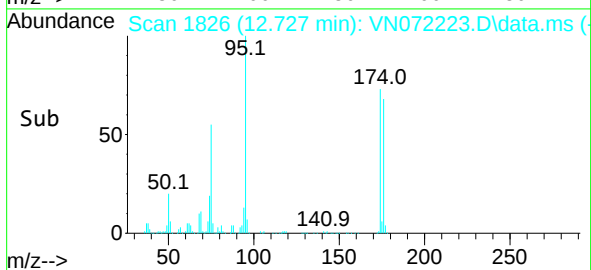
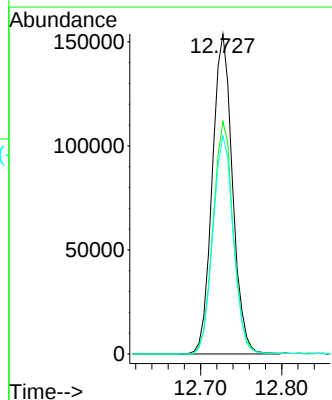
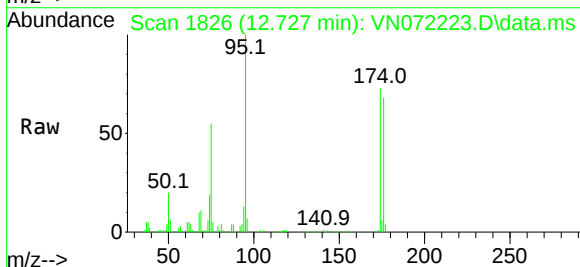
Instrument :
MSVOA_N
ClientSampleId :
31809

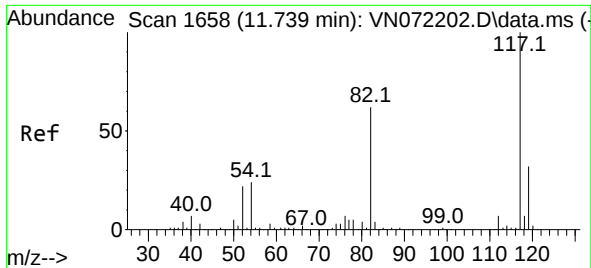
Tgt Ion: 98 Resp: 679795
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 61.023 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Tgt Ion: 95 Resp: 265530
Ion Ratio Lower Upper
95 100
174 73.1 0.0 167.6
176 69.1 0.0 163.4

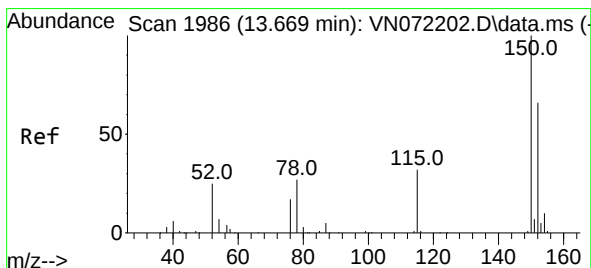
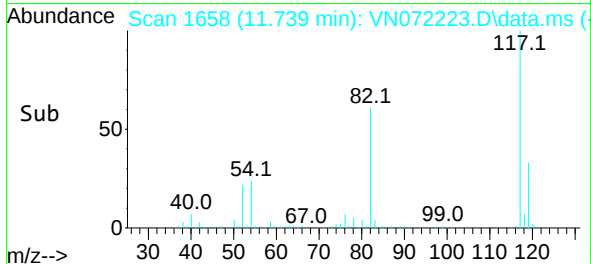
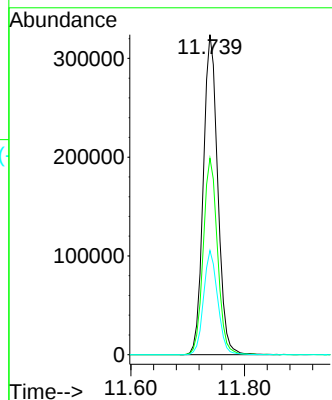
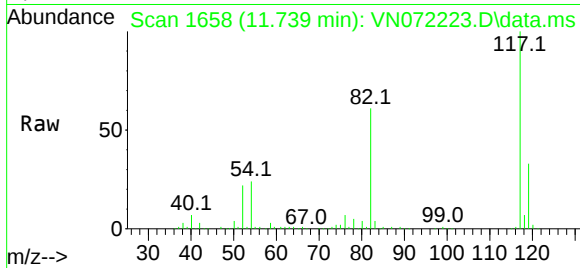




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

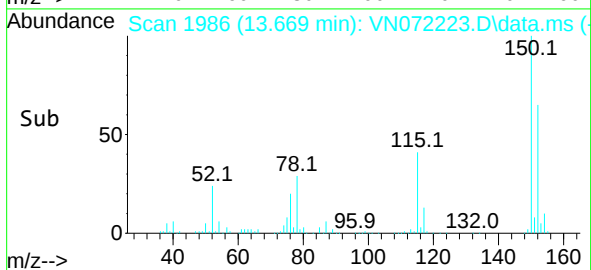
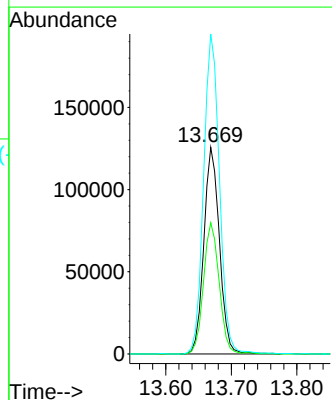
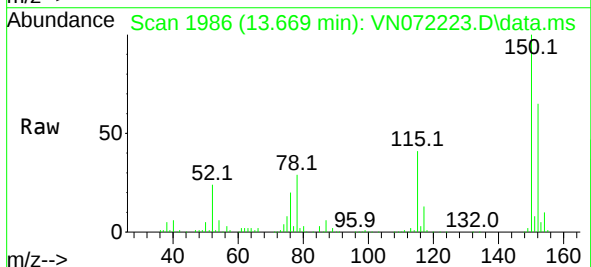
Instrument :
MSVOA_N
ClientSampleId :
31809

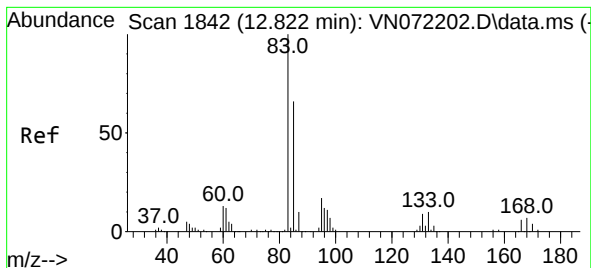
Tgt Ion:117 Resp: 570281
Ion Ratio Lower Upper
117 100
82 61.4 44.2 66.2
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072223.D
Acq: 27 Apr 2022 18:05

Tgt Ion:152 Resp: 208451
Ion Ratio Lower Upper
152 100
115 63.4 28.9 86.7
150 157.5 0.0 356.2





#75

1,1,2-Tetrachloroethane

Concen: Below Cal

RT: 12.733 min Scan# 1827

Delta R.T. -0.089 min

Lab File: VN072223.D

Acq: 27 Apr 2022 18:05

Instrument :

MSVOA_N

ClientSampleId :

31809

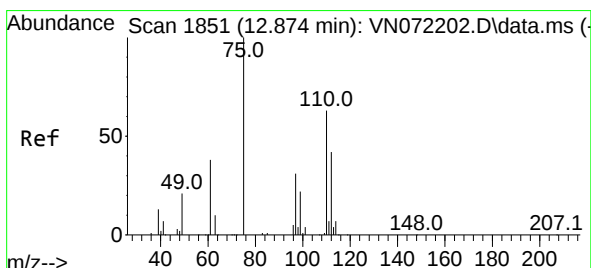
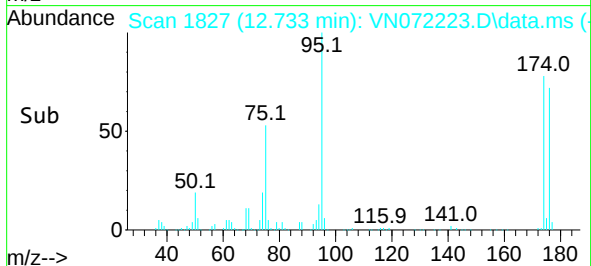
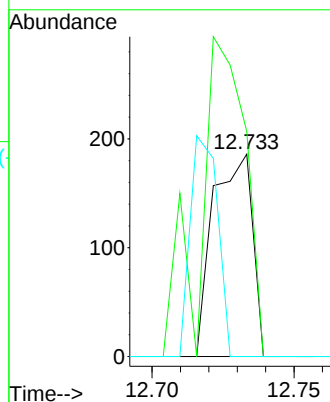
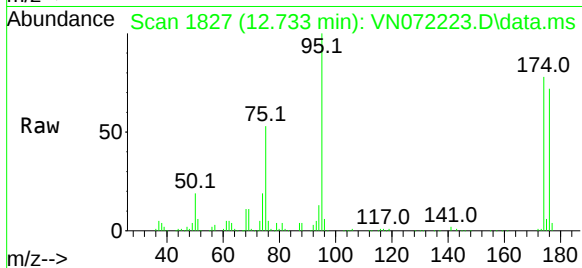
Tgt Ion: 83 Resp: 178

Ion Ratio Lower Upper

83 100

131 182.0 5.3 15.9#

85 76.4 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 30.778 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072223.D

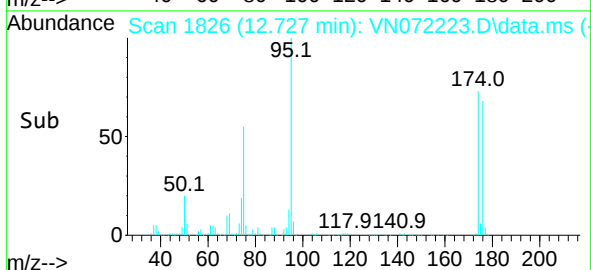
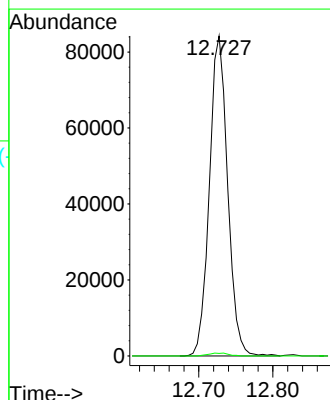
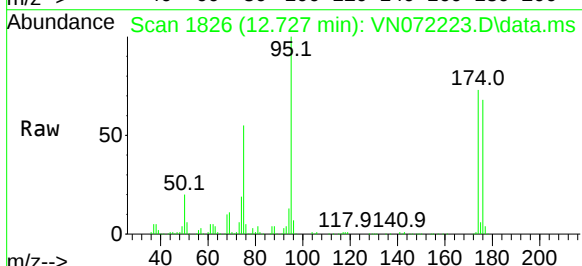
Acq: 27 Apr 2022 18:05

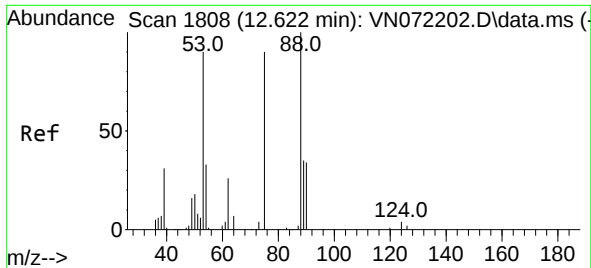
Tgt Ion: 75 Resp: 144131

Ion Ratio Lower Upper

75 100

77 1.0 98.5 295.5#

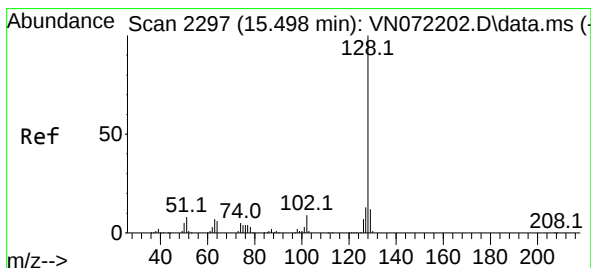
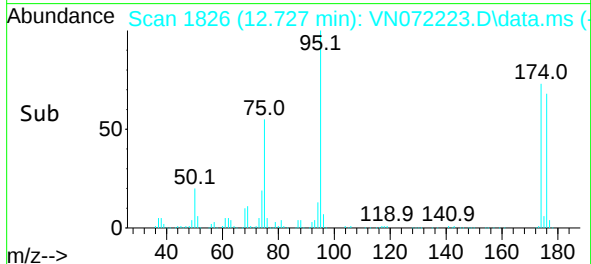
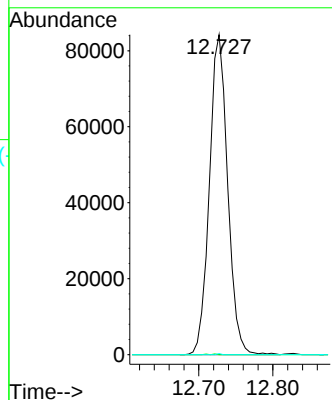
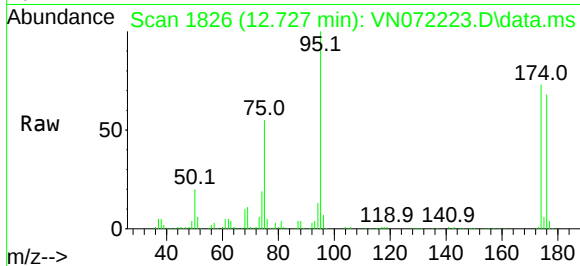




#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.948 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072223.D
 Acq: 27 Apr 2022 18:05

Instrument :
 MSVOA_N
 ClientSampleId :
 31809

Tgt Ion: 75 Resp: 144131
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#



#95
 Naphthalene
 Concen: 4.312 ug/l
 RT: 15.510 min Scan# 2299
 Delta R.T. 0.012 min
 Lab File: VN072223.D
 Acq: 27 Apr 2022 18:05

Tgt Ion: 128 Resp: 148
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#

