

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072936.D
 Acq On : 18 Jun 2022 13:43
 Operator : JC\MD
 Sample : N3299-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COM-4

Quant Time: Jun 20 08:04:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

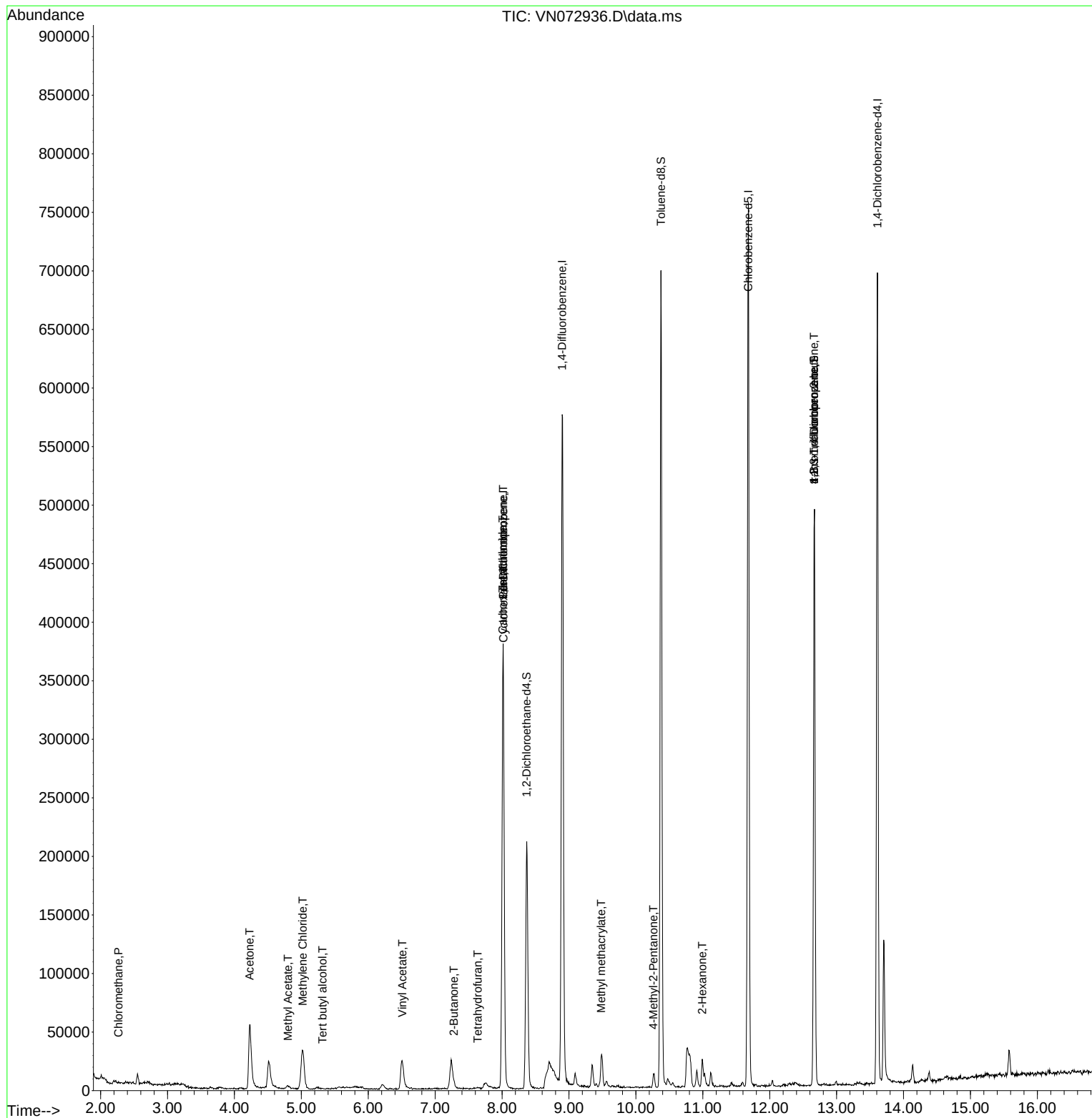
Internal Standards						
1) Pentafluorobenzene	8.016	168	292367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	528793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	444760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	189865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	175357	44.364	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.720%
35) Dibromofluoromethane	7.945	113	629	0.192	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.380%#
50) Toluene-d8	10.374	98	478524	39.346	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	78.700%#
62) 4-Bromofluorobenzene	12.663	95	166981	38.182	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	76.360%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	664	0.789	ug/l #	43
11) Tert butyl alcohol	5.316	59	308	0.302	ug/l #	72
16) Acetone	4.228	43	104977	48.314	ug/l	91
18) Methyl Acetate	4.798	43	6573	1.136	ug/l #	83
20) Methylene Chloride	5.022	84	28579	8.278	ug/l	93
23) Vinyl Acetate	6.510	43	6009	0.584	ug/l #	68
25) 2-Butanone	7.281	43	9451	2.741	ug/l #	81
26) 2,2-Dichloropropane	7.239	77	1747	Below Cal	#	53
29) Tetrahydrofuran	7.633	42	1071	0.470	ug/l #	58
31) Cyclohexane	8.022	56	6254	1.170	ug/l #	16
36) 1,1-Dichloropropene	8.016	75	22517	5.091	ug/l #	50
38) Carbon Tetrachloride	8.010	117	29042	6.243	ug/l #	16
48) Methyl methacrylate	9.480	41	12317	2.668	ug/l #	20
51) 4-Methyl-2-Pentanone	10.263	43	9920	1.504	ug/l #	86
59) 2-Hexanone	10.992	43	22937	4.497	ug/l #	21
76) 1,2,3-Trichloropropane	12.663	75	85972	18.676	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.663	75	85972	50.438	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.492	75	59	Below Cal	#	1

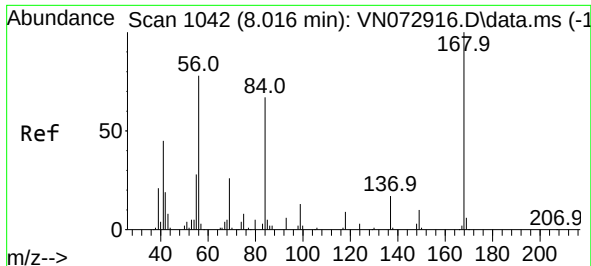
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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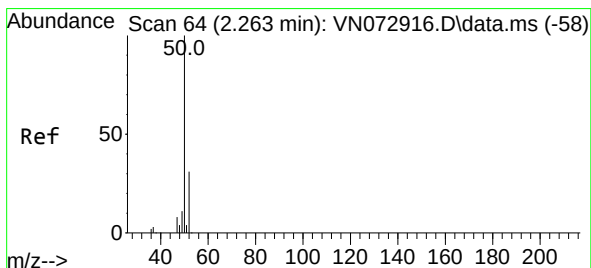
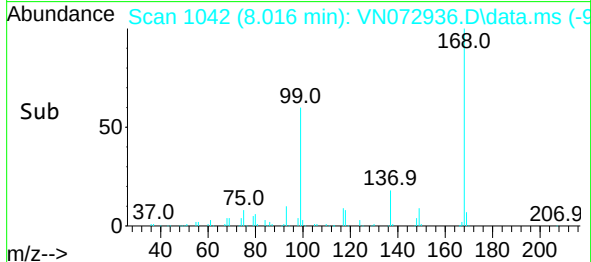
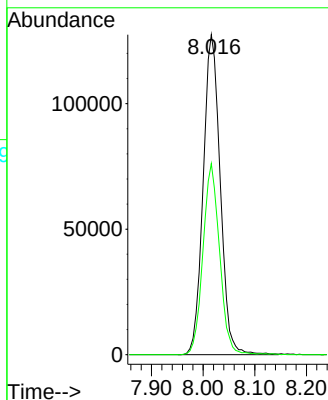
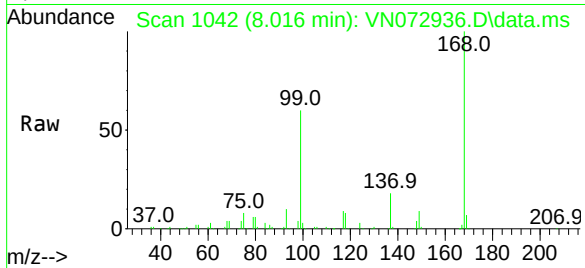




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

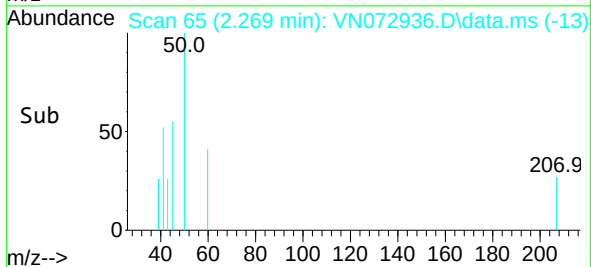
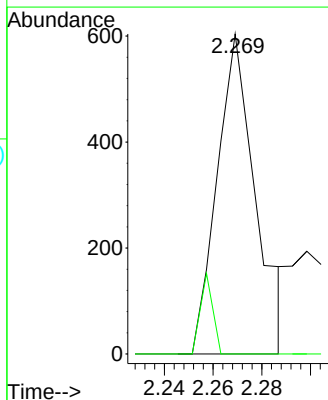
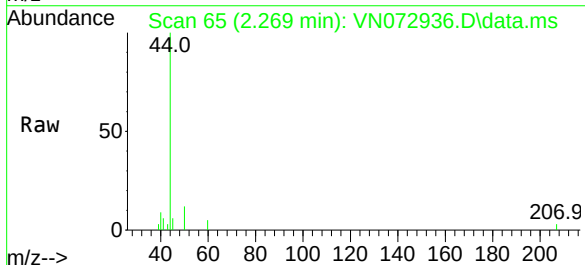
Instrument :
MSVOA_N
ClientSampleId :
COM-4

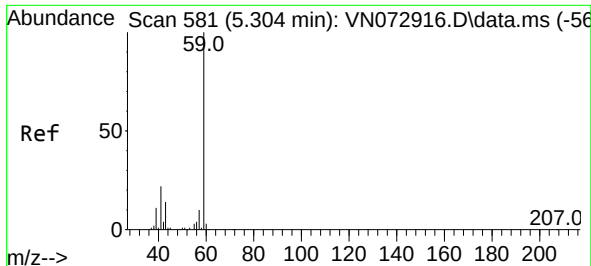
Tgt Ion:168 Resp: 292367
Ion Ratio Lower Upper
168 100
99 59.7 42.3 63.5



#3
Chloromethane
Concen: 0.789 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 50 Resp: 664
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

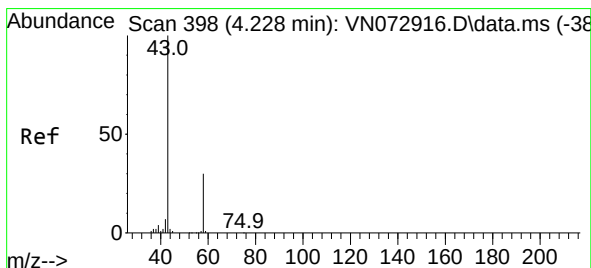
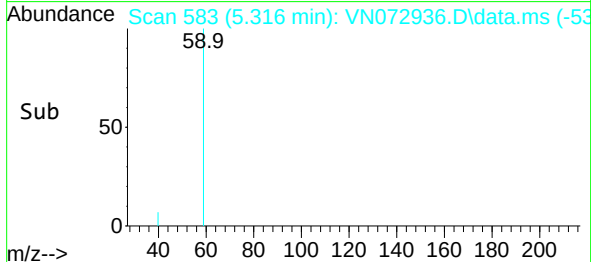
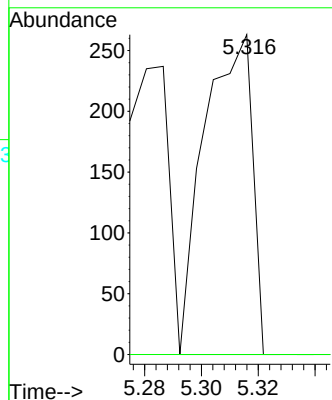
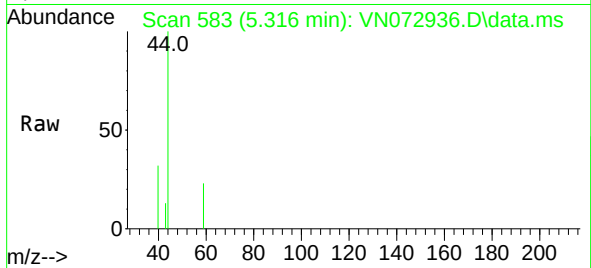




#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 5.316 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

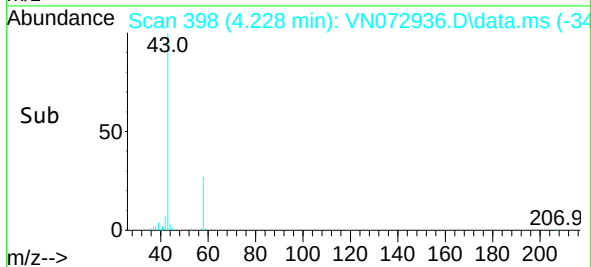
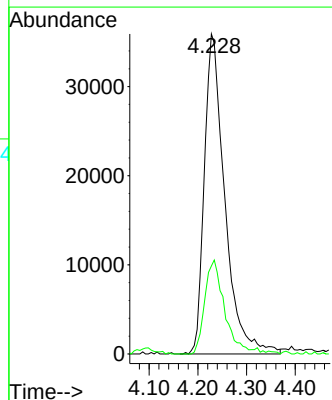
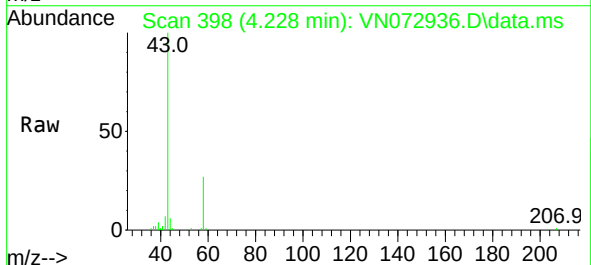
Instrument :
MSVOA_N
ClientSampleId :
COM-4

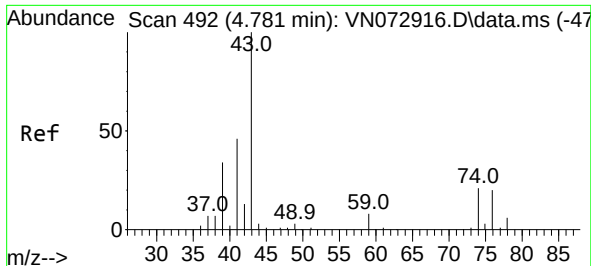
Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 48.314 ug/l
RT: 4.228 min Scan# 398
Delta R.T. -0.000 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 43 Resp: 104977
Ion Ratio Lower Upper
43 100
58 27.5 26.0 39.0

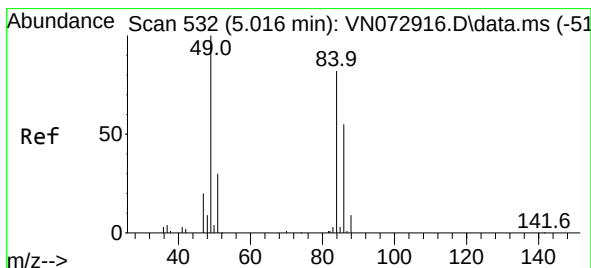
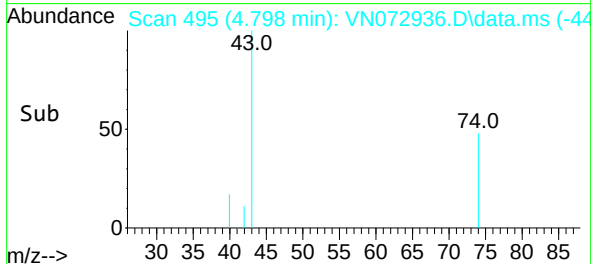
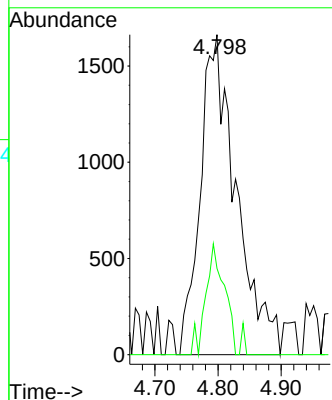
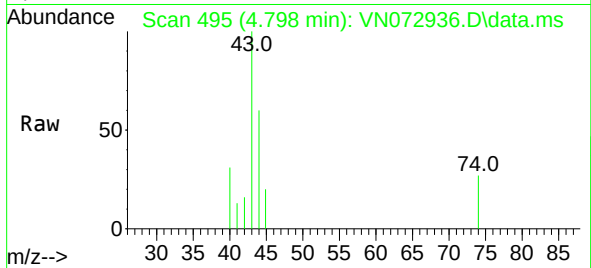




#18
Methyl Acetate
Concen: 1.136 ug/l
RT: 4.798 min Scan# 49
Delta R.T. 0.018 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

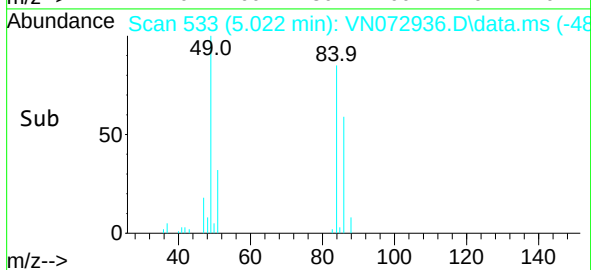
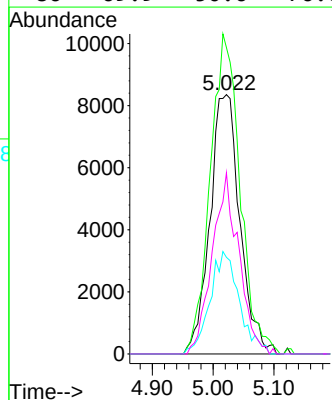
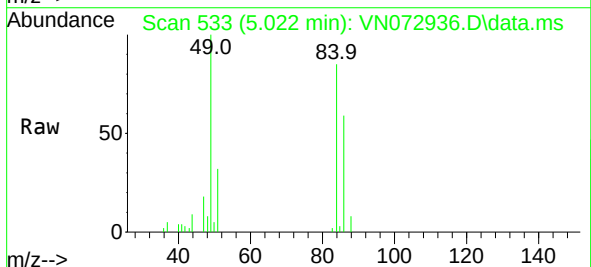
Instrument :
MSVOA_N
ClientSampleId :
COM-4

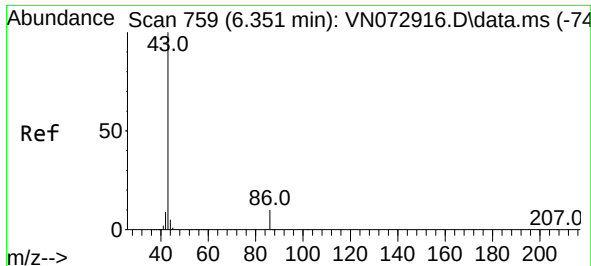
Tgt Ion: 43 Resp: 6573
Ion Ratio Lower Upper
43 100
74 18.1 21.6 32.4#



#20
Methylene Chloride
Concen: 8.278 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.006 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 84 Resp: 28579
Ion Ratio Lower Upper
84 100
49 118.1 88.3 132.5
51 37.3 28.2 42.2
86 69.9 50.6 76.0

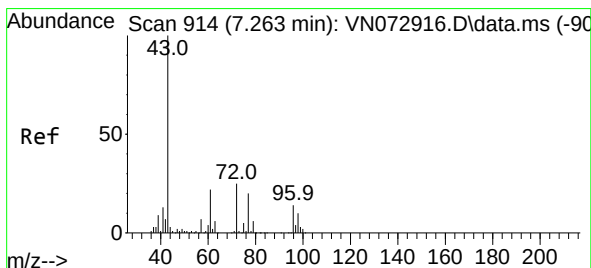
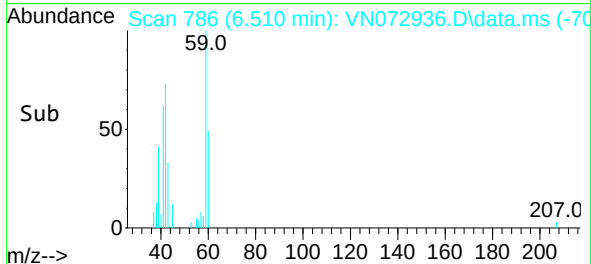
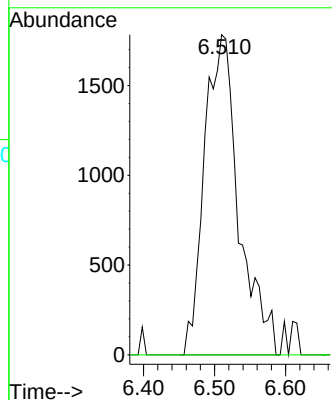
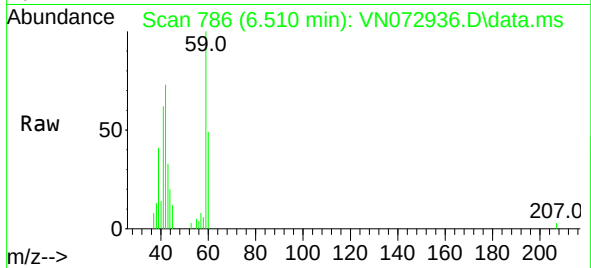




#23
 Vinyl Acetate
 Concen: 0.584 ug/l
 RT: 6.510 min Scan# 71
 Delta R.T. 0.159 min
 Lab File: VN072936.D
 Acq: 18 Jun 2022 13:43

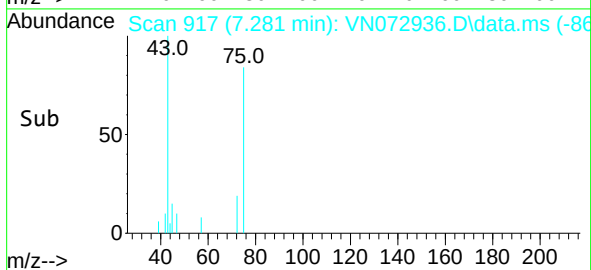
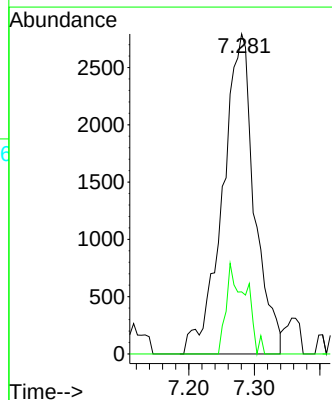
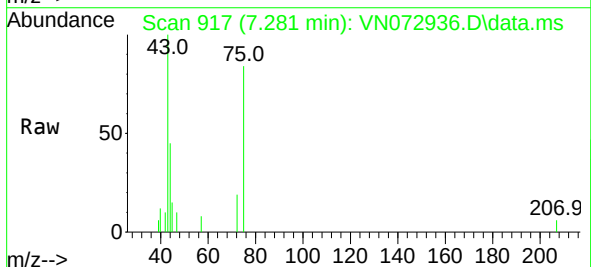
Instrument :
 MSVOA_N
 ClientSampleId :
 COM-4

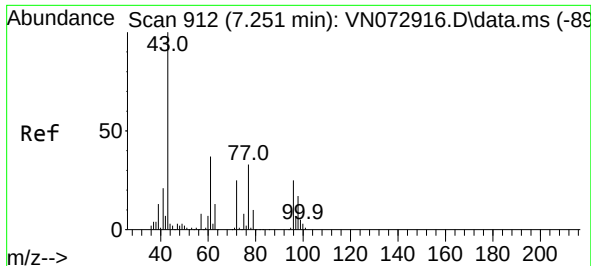
Tgt Ion: 43 Resp: 6009
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 2.741 ug/l
 RT: 7.281 min Scan# 917
 Delta R.T. 0.018 min
 Lab File: VN072936.D
 Acq: 18 Jun 2022 13:43

Tgt Ion: 43 Resp: 9451
 Ion Ratio Lower Upper
 43 100
 72 19.4 23.7 35.5#

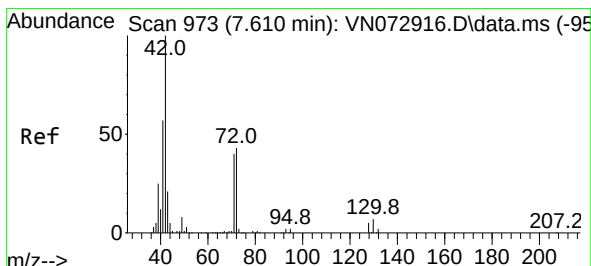
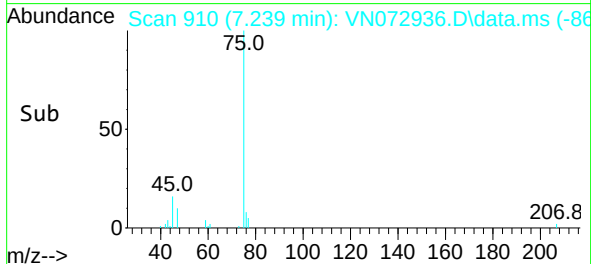
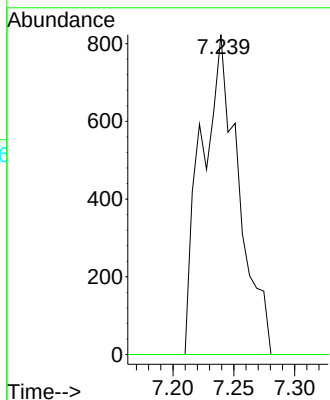
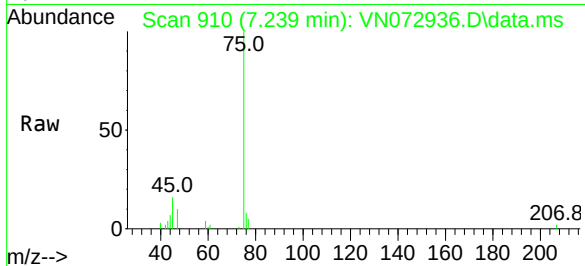




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.239 min Scan# 912
Delta R.T. -0.012 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

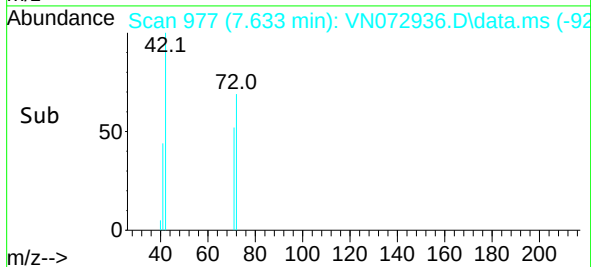
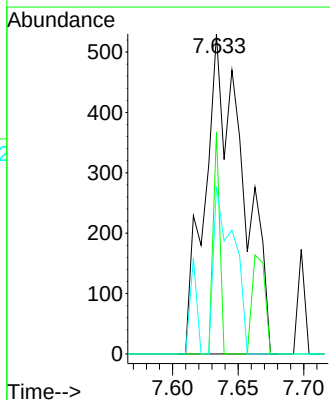
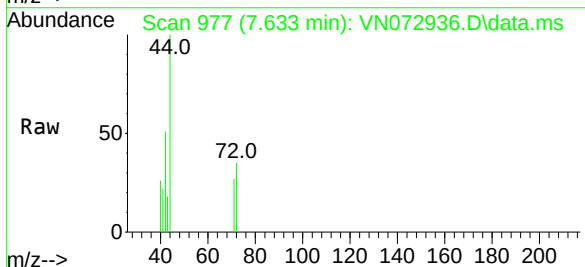
Instrument :
MSVOA_N
ClientSampleId :
COM-4

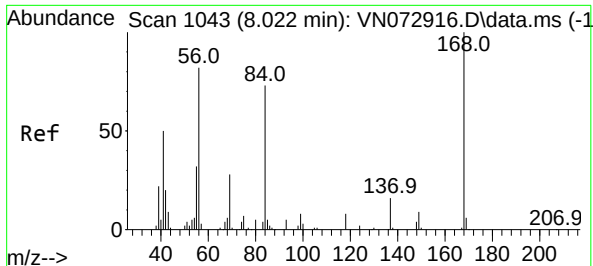
Tgt Ion: 77 Resp: 1747
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.470 ug/l
RT: 7.633 min Scan# 977
Delta R.T. 0.024 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

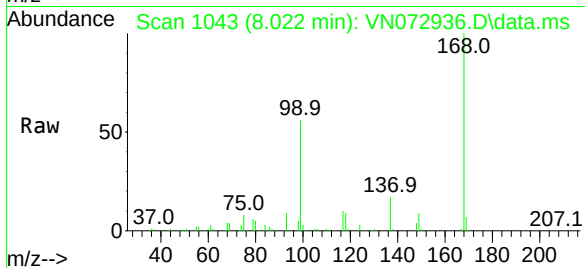
Tgt Ion: 42 Resp: 1071
Ion Ratio Lower Upper
42 100
72 12.1 39.7 59.5#
71 27.5 36.6 55.0#



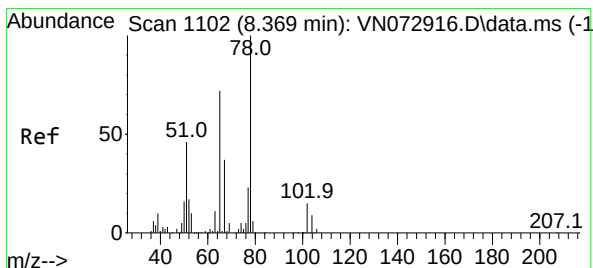
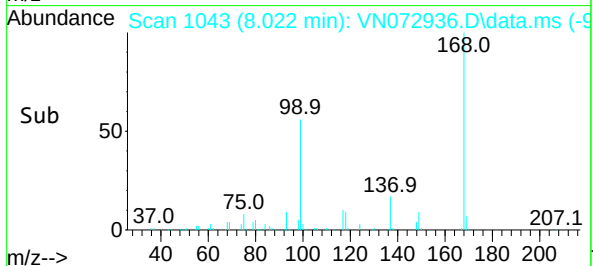
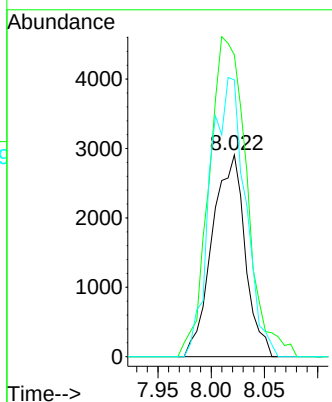


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :
COM-4

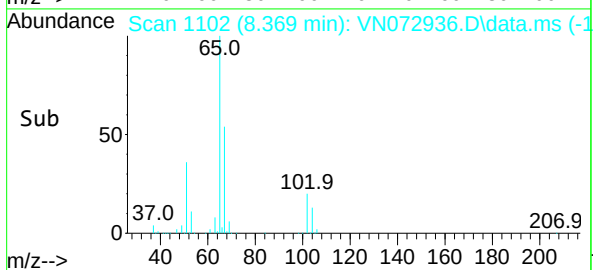
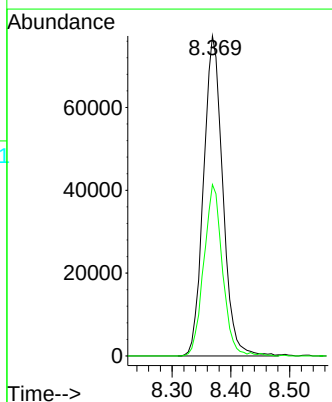
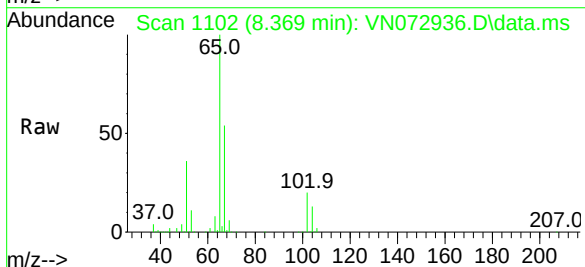


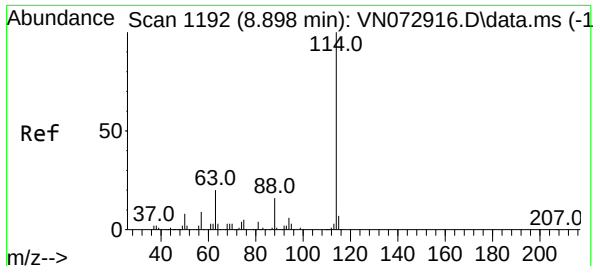
Tgt Ion: 56 Resp: 6254
Ion Ratio Lower Upper
56 100
69 149.5 27.8 41.8#
84 137.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.364 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 65 Resp: 175357
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.000 min

Lab File: VN072936.D

Acq: 18 Jun 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

COM-4

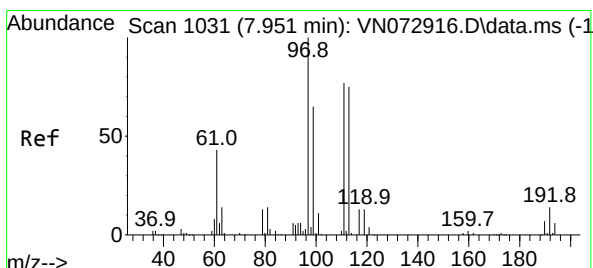
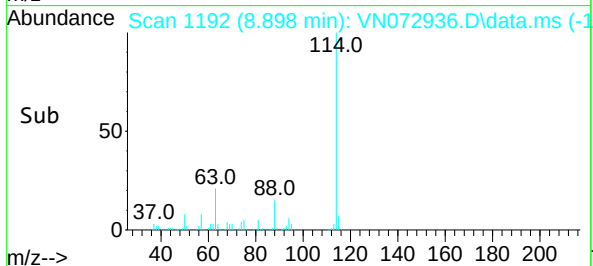
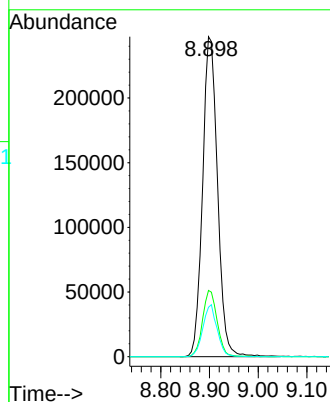
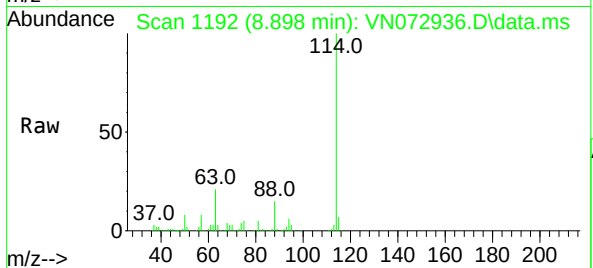
Tgt Ion:114 Resp: 528793

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 0.192 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN072936.D

Acq: 18 Jun 2022 13:43

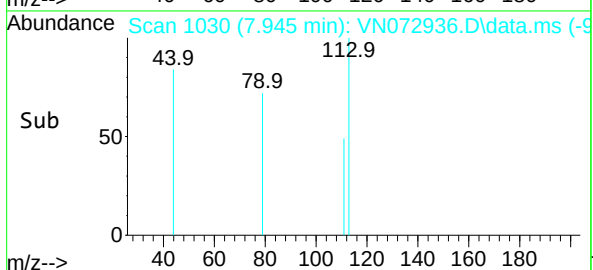
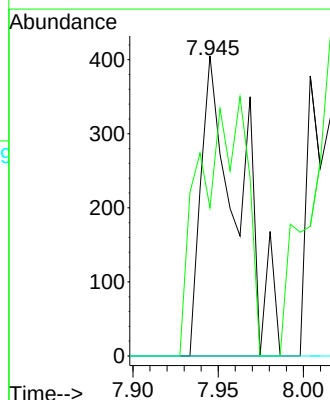
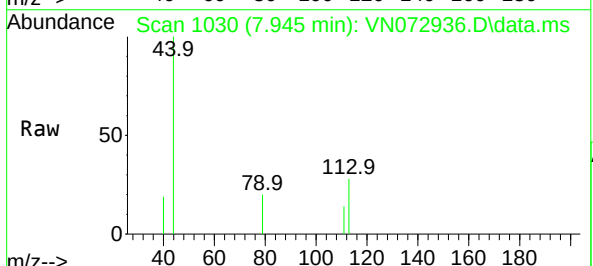
Tgt Ion:113 Resp: 629

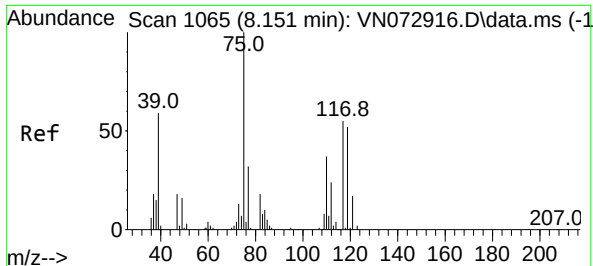
Ion Ratio Lower Upper

113 100

111 104.9 81.4 122.0

192 0.0 17.0 25.6#

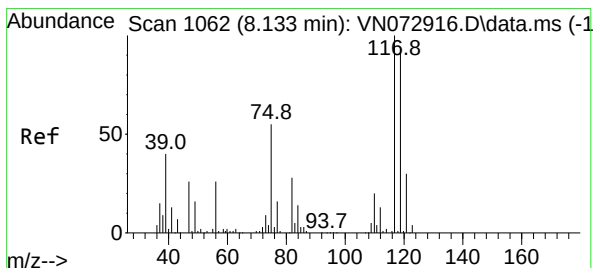
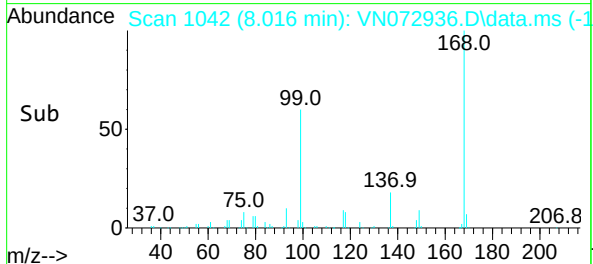
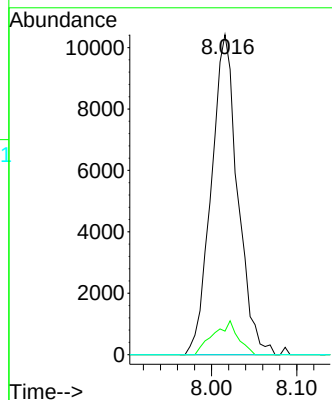
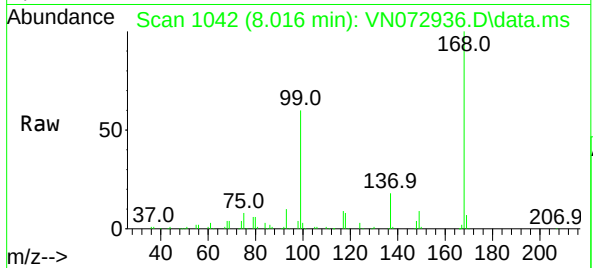




#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

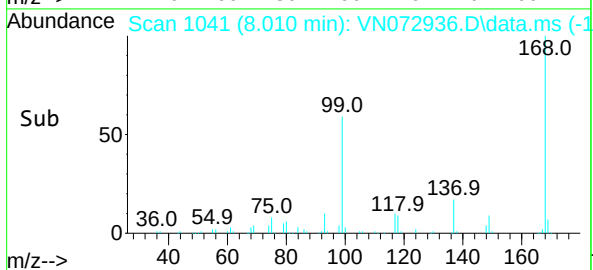
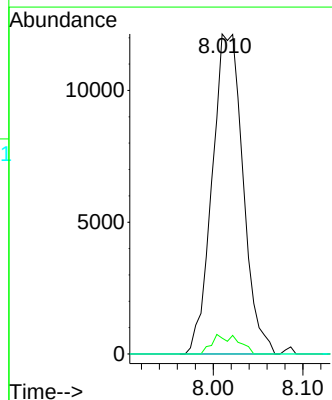
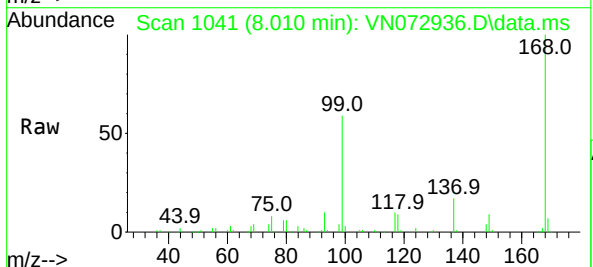
Instrument :
MSVOA_N
ClientSampleId :
COM-4

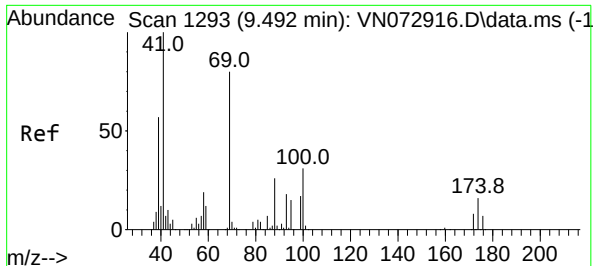
Tgt Ion: 75 Resp: 22517
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.243 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.124 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 117 Resp: 29042
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#

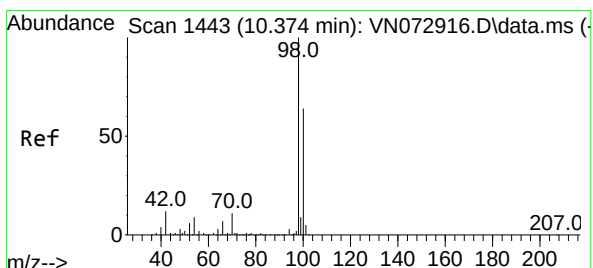
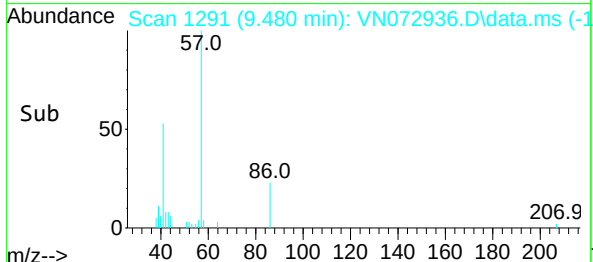
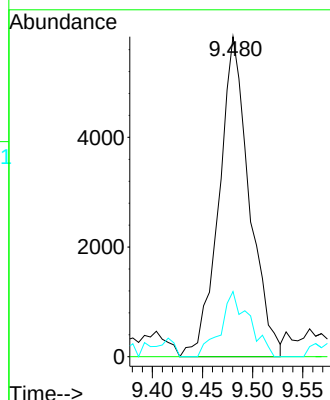
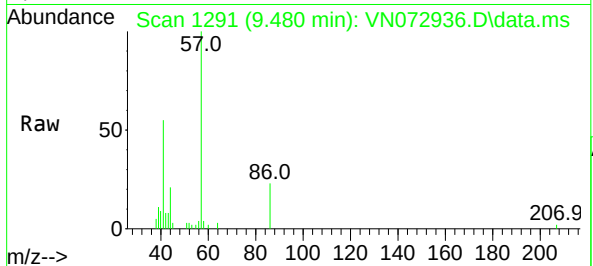




#48
Methyl methacrylate
Concen: 2.668 ug/l
RT: 9.480 min Scan# 1291
Delta R.T. -0.012 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

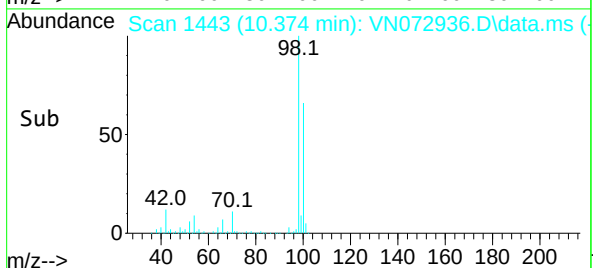
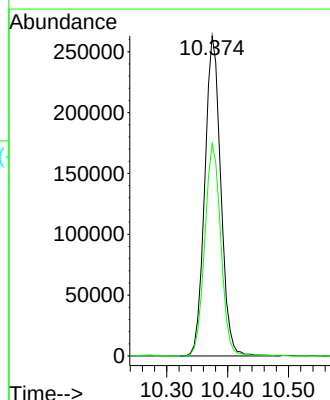
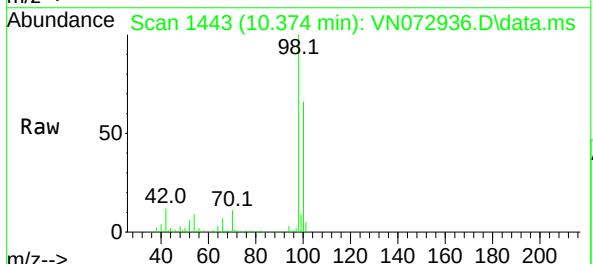
Instrument :
MSVOA_N
ClientSampleId :
COM-4

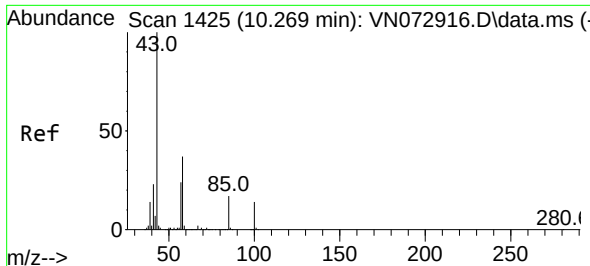
Tgt Ion: 41 Resp: 12317
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 19.1 45.6 68.4#



#50
Toluene-d8
Concen: 39.346 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 98 Resp: 478524
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8

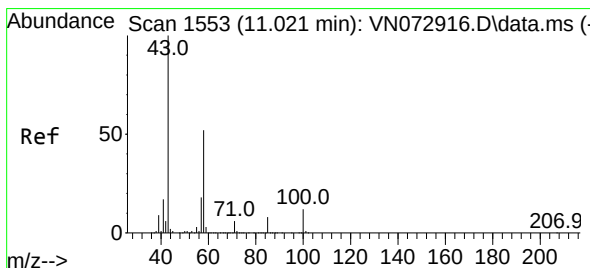
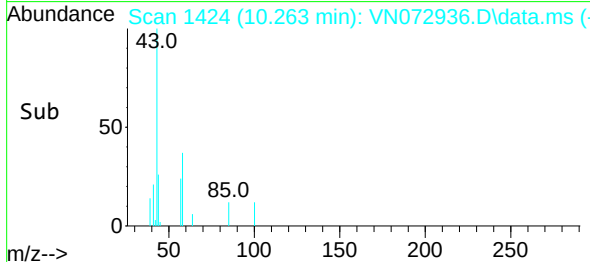
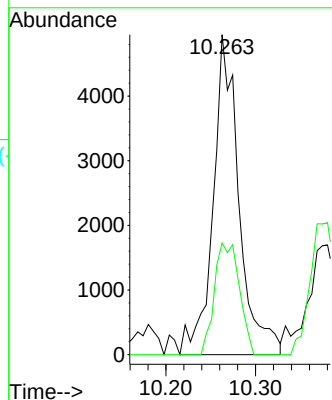
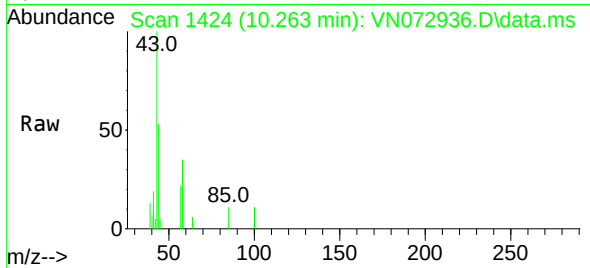




#51
4-Methyl-2-Pentanone
Concen: 1.504 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

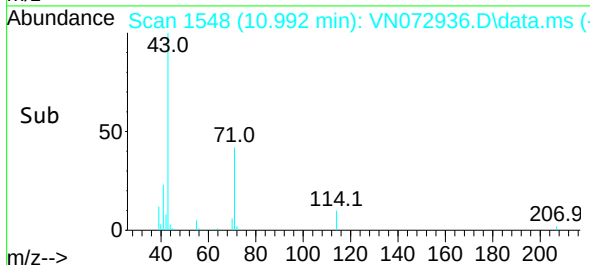
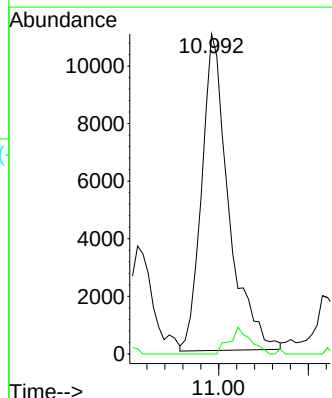
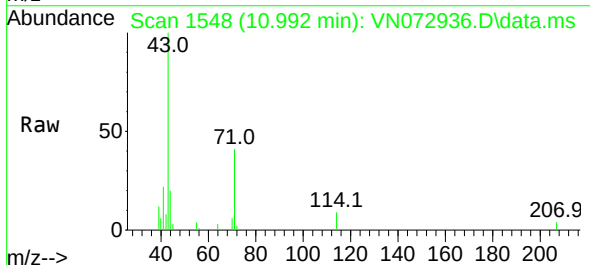
Instrument :
MSVOA_N
ClientSampleId :
COM-4

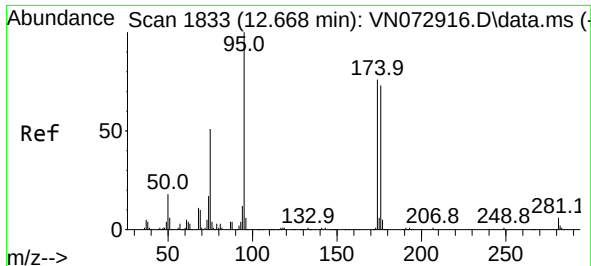
Tgt Ion: 43 Resp: 9920
Ion Ratio Lower Upper
43 100
58 33.6 34.1 51.1#



#59
2-Hexanone
Concen: 4.497 ug/l
RT: 10.992 min Scan# 1548
Delta R.T. -0.029 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 43 Resp: 22937
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

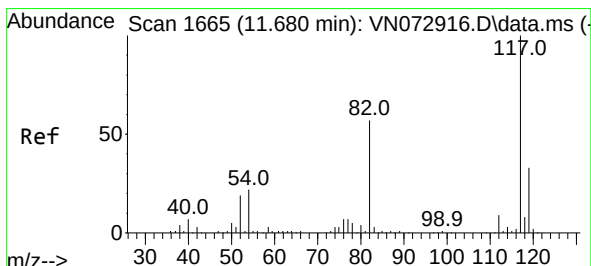
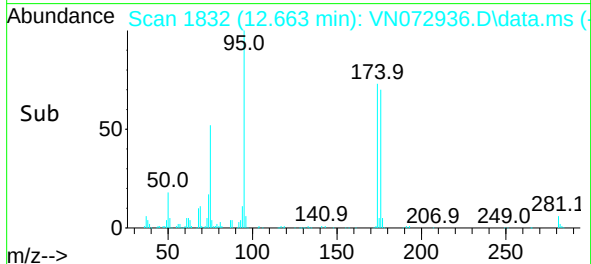
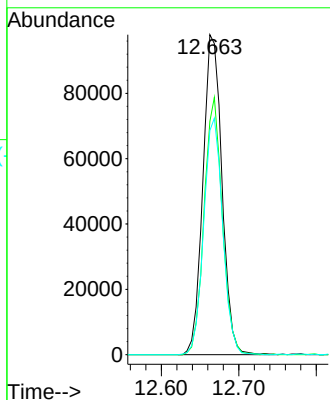
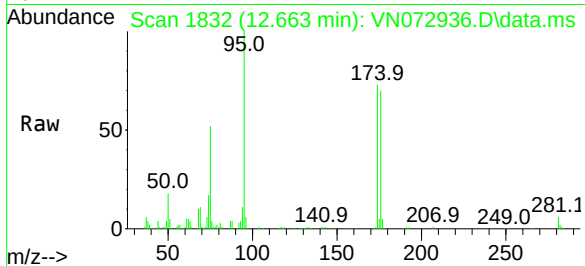




#62
4-Bromofluorobenzene
Concen: 38.182 ug/l
RT: 12.663 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

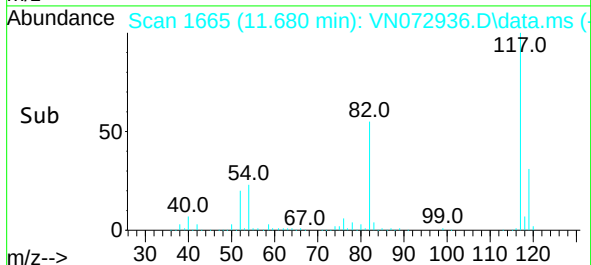
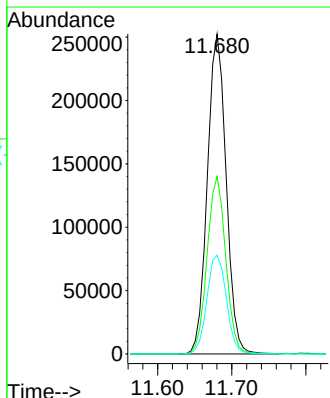
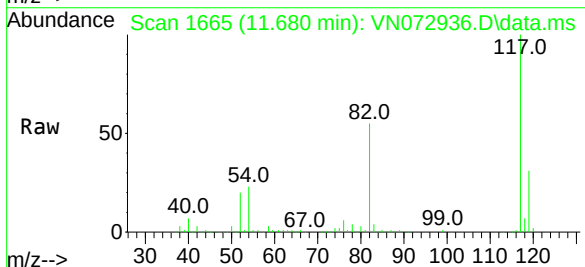
Instrument :
MSVOA_N
ClientSampleId :
COM-4

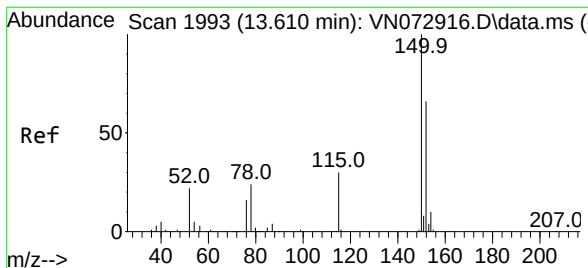
Tgt Ion: 95 Resp: 166981
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 73.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VN072936.D
Acq: 18 Jun 2022 13:43

Tgt Ion: 117 Resp: 444760
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 30.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN072936.D

Acq: 18 Jun 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

COM-4

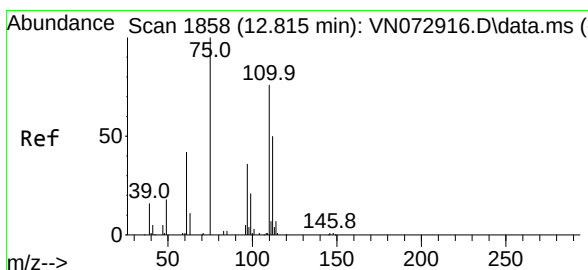
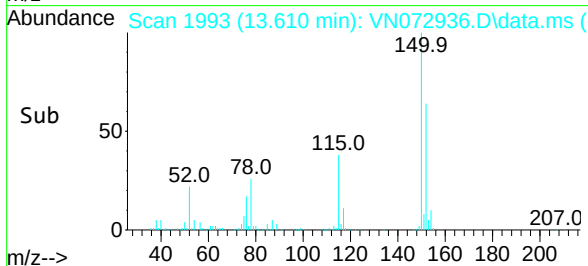
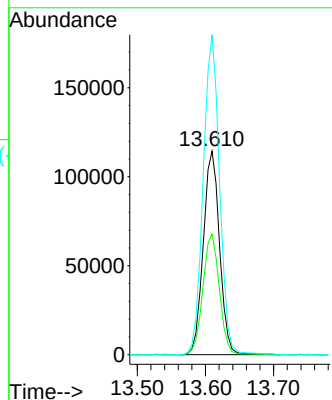
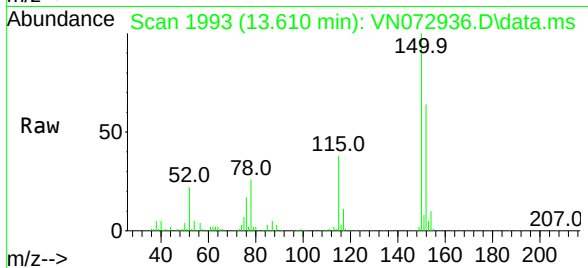
Tgt Ion:152 Resp: 189865

Ion Ratio Lower Upper

152 100

115 60.1 28.9 86.7

150 157.7 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 18.676 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. -0.153 min

Lab File: VN072936.D

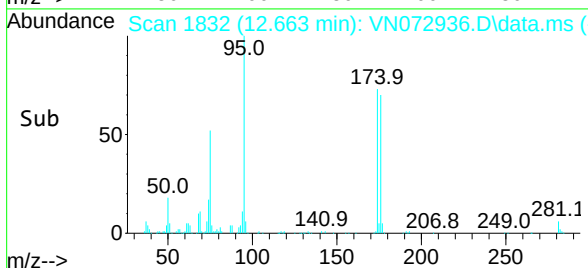
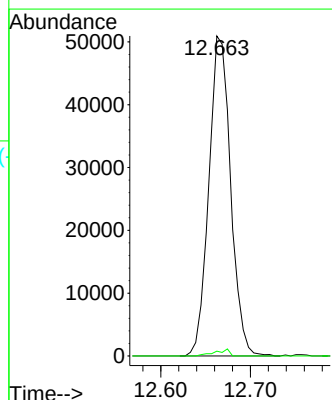
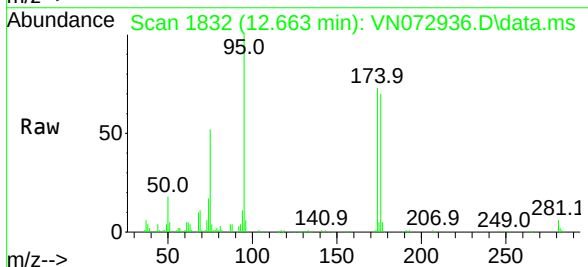
Acq: 18 Jun 2022 13:43

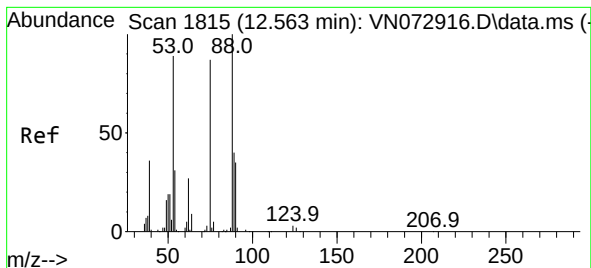
Tgt Ion: 75 Resp: 85972

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 50.438 ug/l

RT: 12.663 min Scan# 11

Delta R.T. 0.100 min

Lab File: VN072936.D

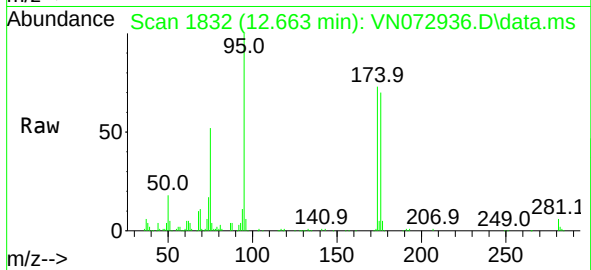
Acq: 18 Jun 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

COM-4



Tgt Ion: 75 Resp: 85972

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.1 37.2 55.8#

