

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070822\
 Data File : VN073405.D
 Acq On : 08 Jul 2022 20:11
 Operator : JC\MD
 Sample : N3642-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Jul 09 05:30:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

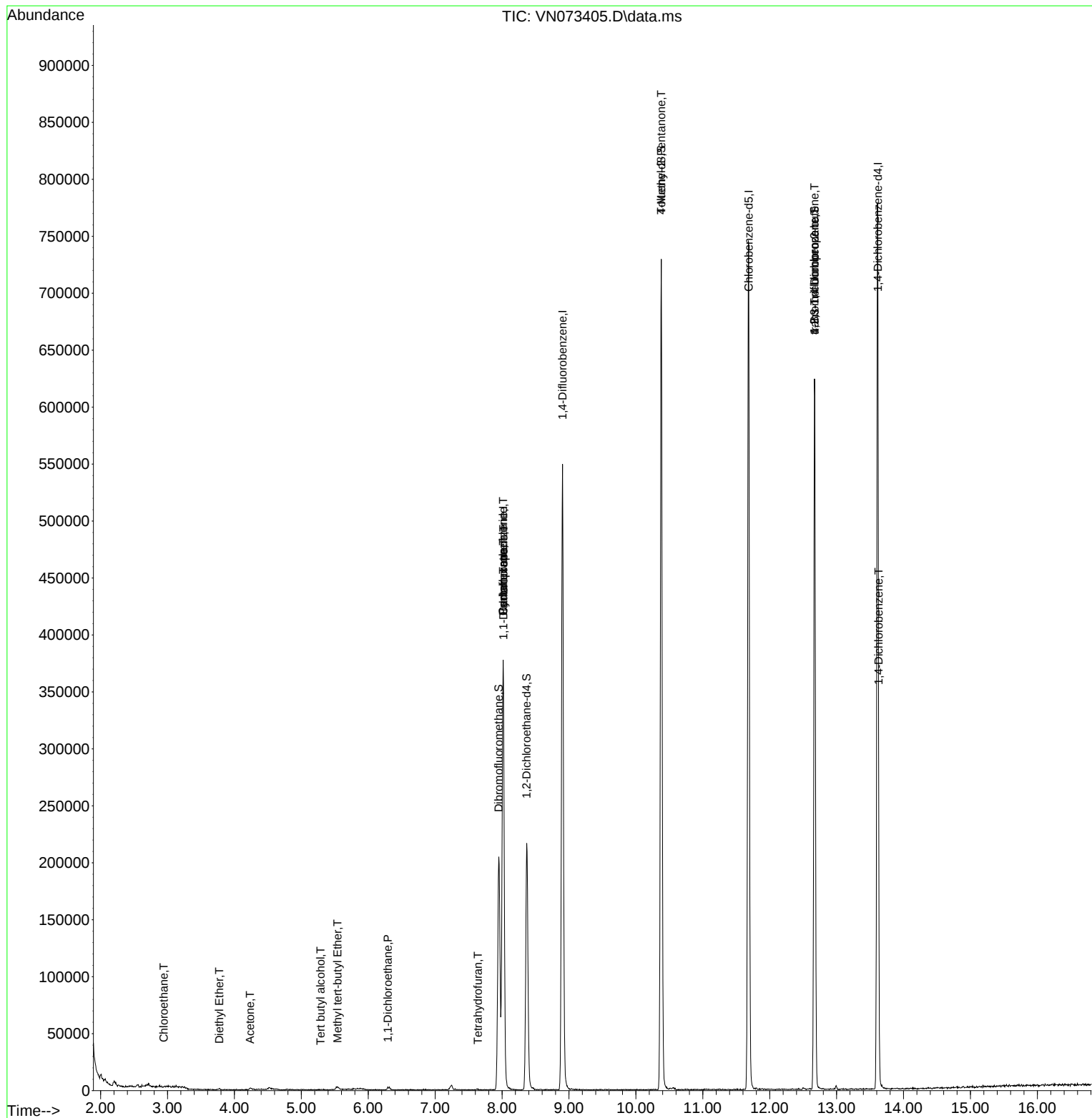
Internal Standards						
1) Pentafluorobenzene	8.016	168	280046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	470379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	439385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	210848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	184058	45.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.060%
35) Dibromofluoromethane	7.951	113	153337	48.997	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.000%
50) Toluene-d8	10.380	98	492819	44.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.680%
62) 4-Bromofluorobenzene	12.669	95	217463	50.911	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.820%
Target Compounds						
					Qvalue	
6) Chloroethane	2.946	64	1027	0.517	ug/l #	42
8) Diethyl Ether	3.775	74	476	0.200	ug/l	62
11) Tert butyl alcohol	5.287	59	287	0.293	ug/l #	72
16) Acetone	4.234	43	2496	1.100	ug/l	92
19) Methyl tert-butyl Ether	5.540	73	3363	0.280	ug/l #	79
24) 1,1-Dichloroethane	6.292	63	2343	0.349	ug/l #	82
29) Tetrahydrofuran	7.639	42	541	0.219	ug/l #	52
31) Cyclohexane	8.016	56	6420	0.970	ug/l #	6
36) 1,1-Dichloropropene	8.022	75	23390	4.857	ug/l #	42
38) Carbon Tetrachloride	8.016	117	29816	5.988	ug/l #	15
51) 4-Methyl-2-Pentanone	10.380	43	2533	0.382	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	113710	20.625	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	113710	56.563	ug/l #	10
88) 1,4-Dichlorobenzene	13.627	146	1594	0.209	ug/l #	1

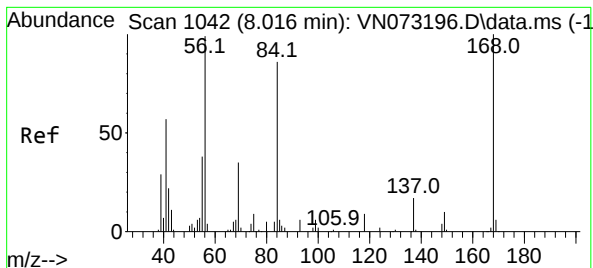
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN073405.D

Acq: 08 Jul 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

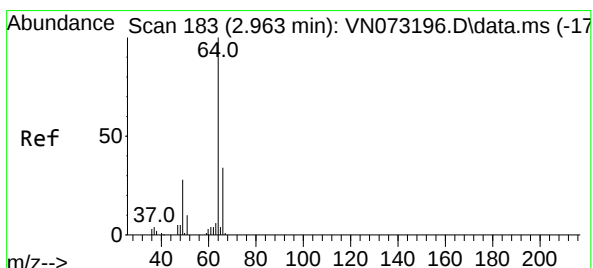
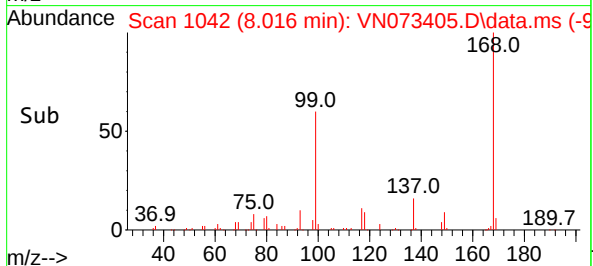
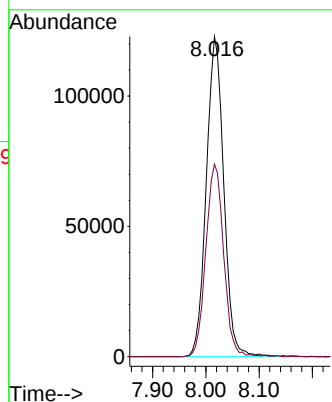
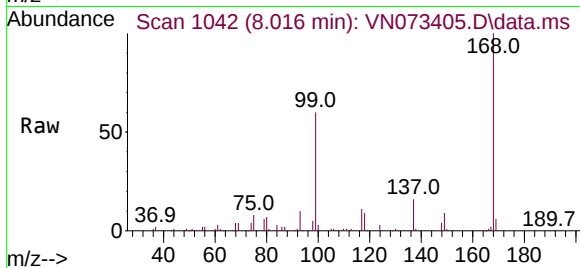
MW-3

Tgt Ion:168 Resp: 280046

Ion Ratio Lower Upper

168 100

99 60.2 42.3 63.5



#6

Chloroethane

Concen: 0.517 ug/l

RT: 2.946 min Scan# 180

Delta R.T. -0.017 min

Lab File: VN073405.D

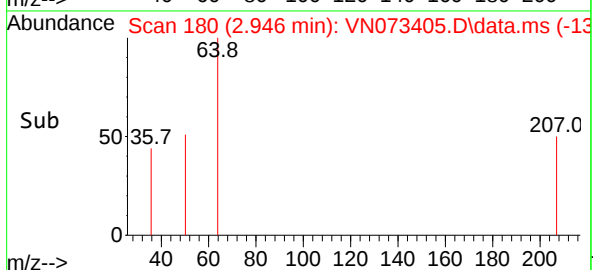
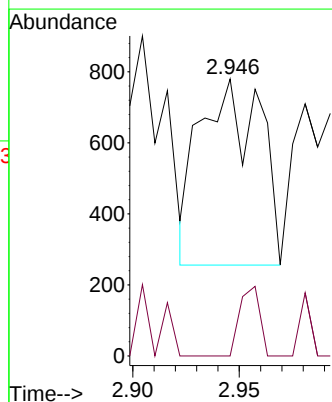
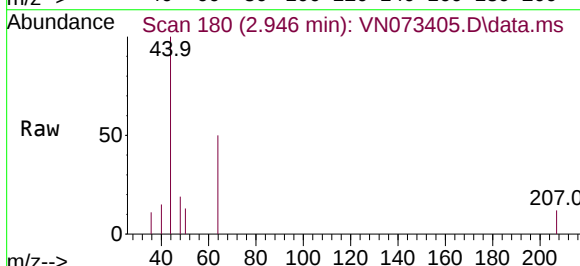
Acq: 08 Jul 2022 20:11

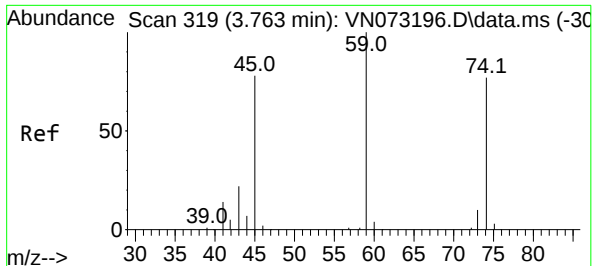
Tgt Ion: 64 Resp: 1027

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#





#8

Diethyl Ether

Concen: 0.200 ug/l

RT: 3.775 min Scan# 319

Delta R.T. 0.012 min

Lab File: VN073405.D

Acq: 08 Jul 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

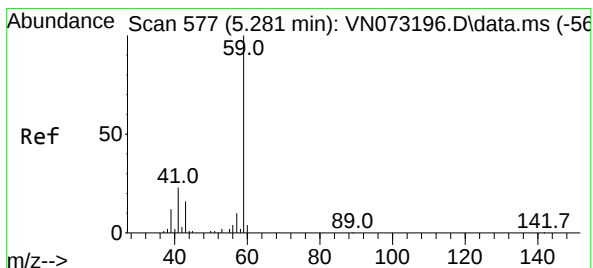
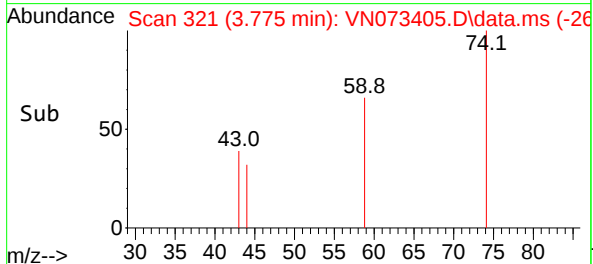
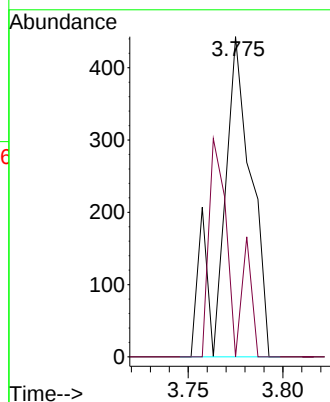
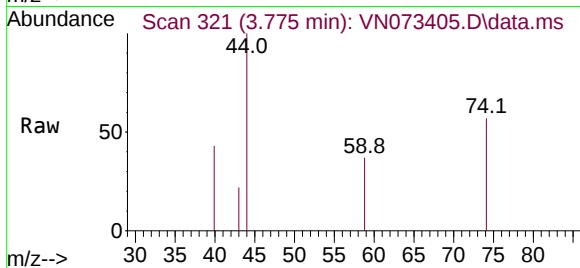
MW-3

Tgt Ion: 74 Resp: 476

Ion Ratio Lower Upper

74 100

45 51.1 42.9 128.5



#11

Tert butyl alcohol

Concen: 0.293 ug/l

RT: 5.287 min Scan# 578

Delta R.T. 0.006 min

Lab File: VN073405.D

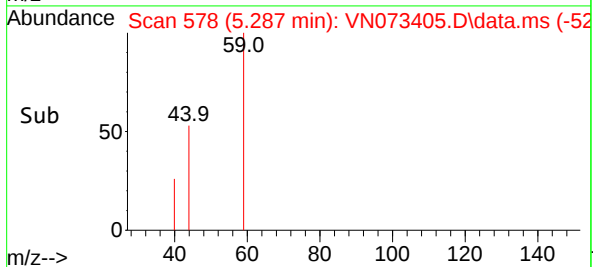
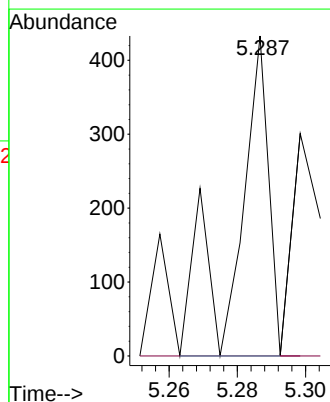
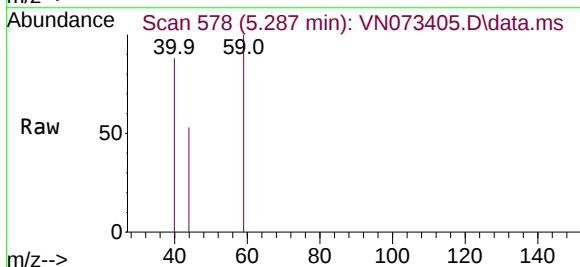
Acq: 08 Jul 2022 20:11

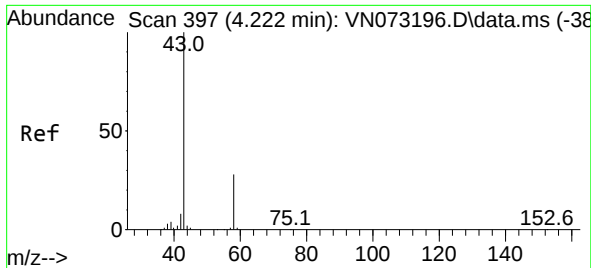
Tgt Ion: 59 Resp: 287

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.100 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN073405.D

Acq: 08 Jul 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

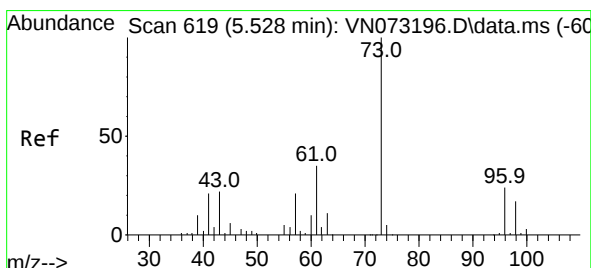
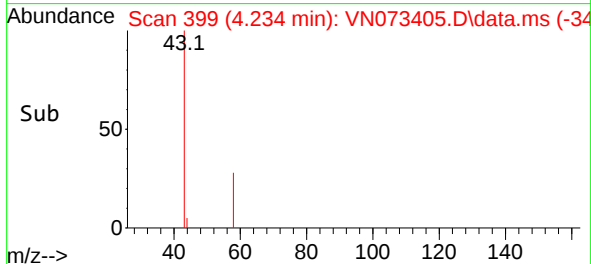
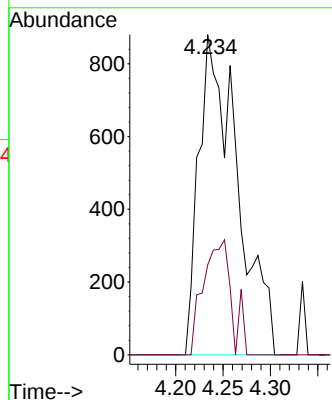
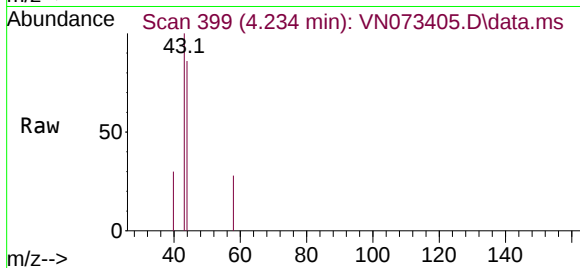
MW-3

Tgt Ion: 43 Resp: 2496

Ion Ratio Lower Upper

43 100

58 28.1 26.0 39.0



#19

Methyl tert-butyl Ether

Concen: 0.280 ug/l

RT: 5.540 min Scan# 621

Delta R.T. 0.012 min

Lab File: VN073405.D

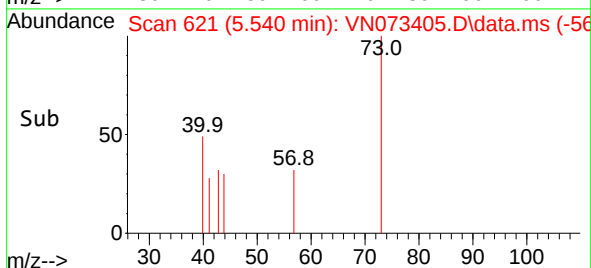
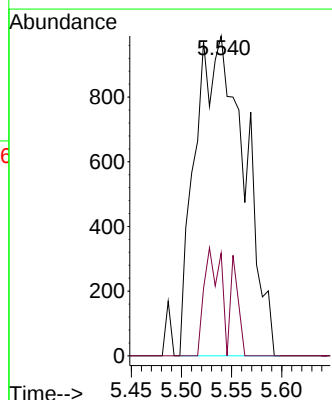
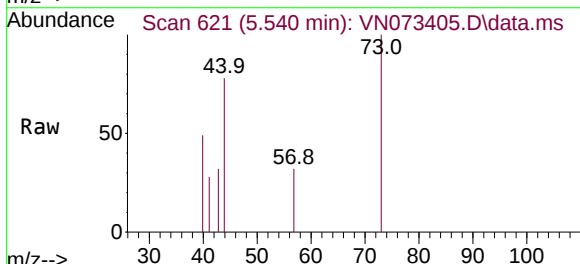
Acq: 08 Jul 2022 20:11

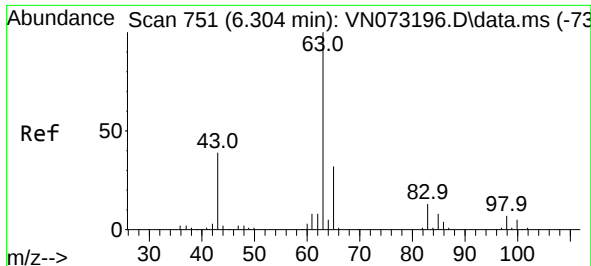
Tgt Ion: 73 Resp: 3363

Ion Ratio Lower Upper

73 100

57 32.2 17.6 26.4#

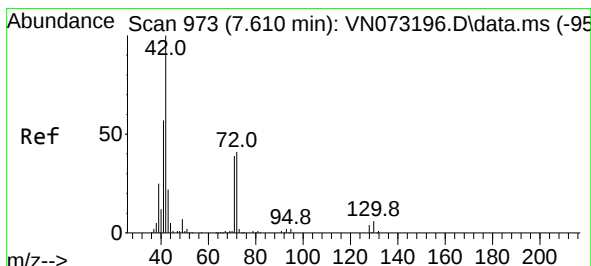
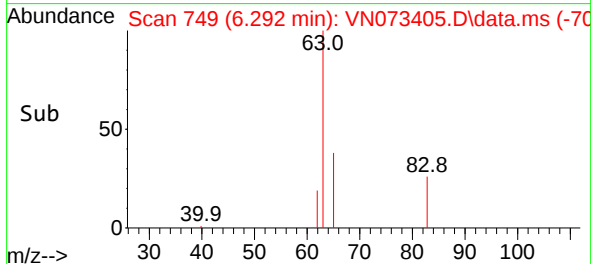
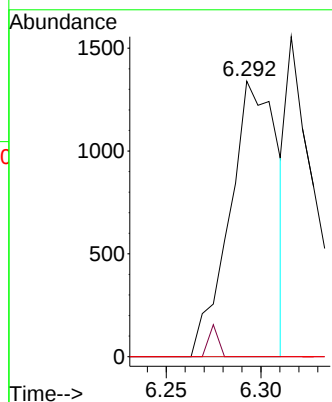
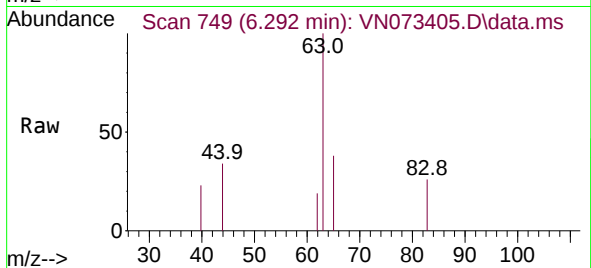




#24
1,1-Dichloroethane
Concen: 0.349 ug/l
RT: 6.292 min Scan# 749
Delta R.T. -0.012 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

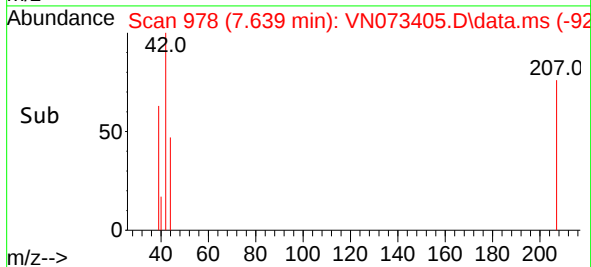
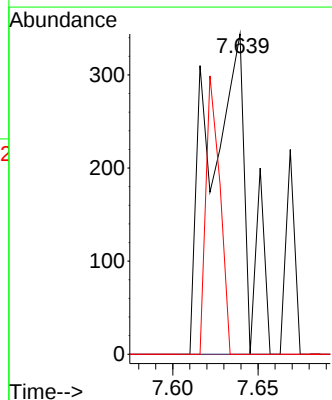
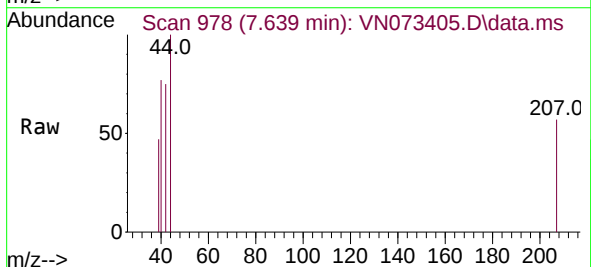
Instrument :
MSVOA_N
ClientSampleId :
MW-3

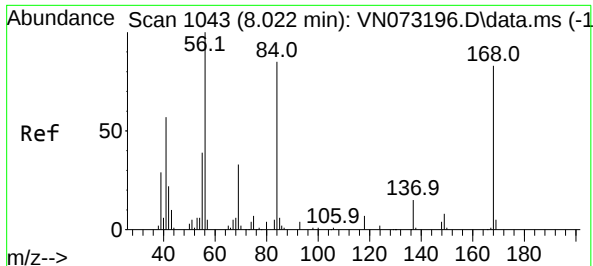
Tgt Ion: 63 Resp: 2343
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.029 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

Tgt Ion: 42 Resp: 541
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 31.4 36.6 55.0#

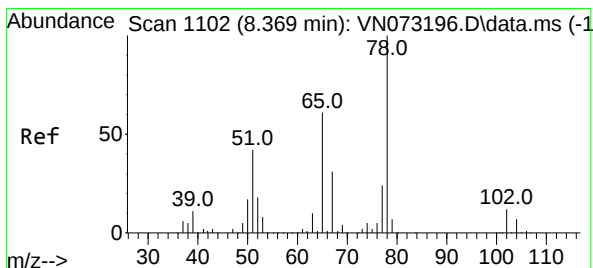
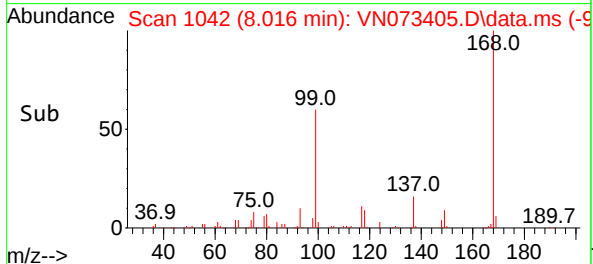
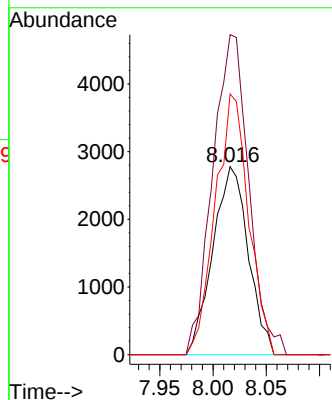
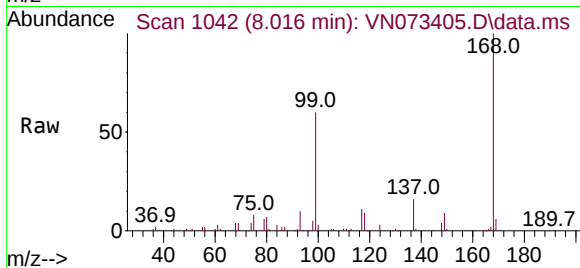




#31
Cyclohexane
Concen: 0.970 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

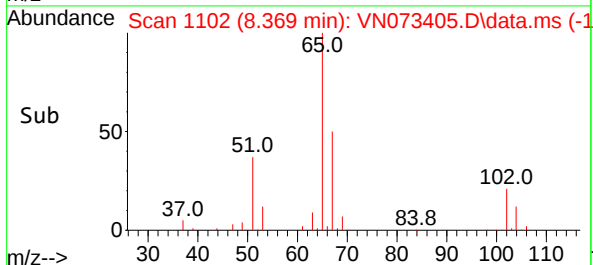
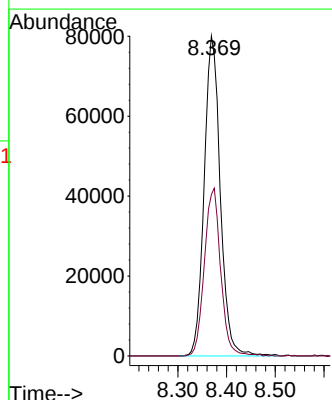
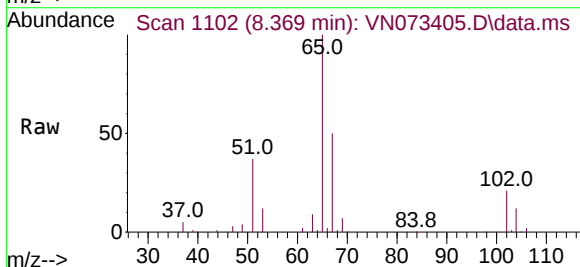
Instrument :
MSVOA_N
ClientSampleId :
MW-3

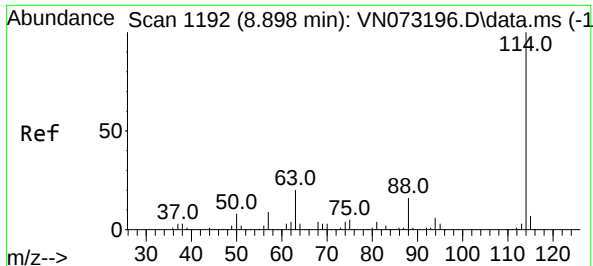
Tgt Ion: 56 Resp: 6420
Ion Ratio Lower Upper
56 100
69 170.3 27.8 41.8#
84 138.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.528 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

Tgt Ion: 65 Resp: 184058
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073405.D

Acq: 08 Jul 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

MW-3

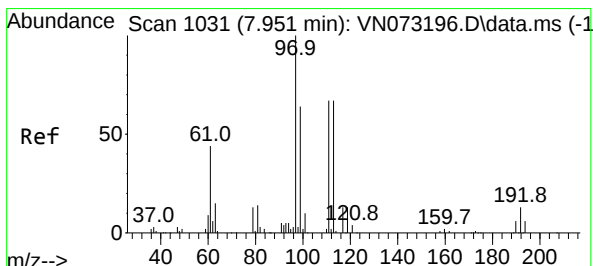
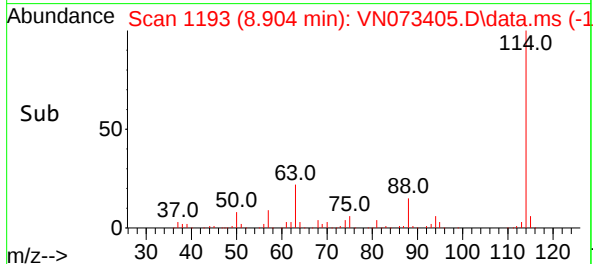
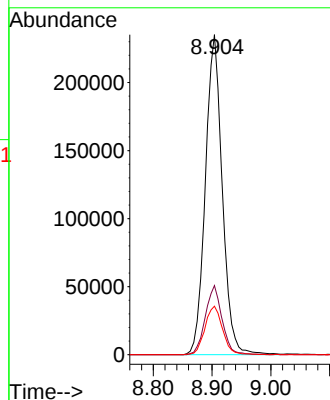
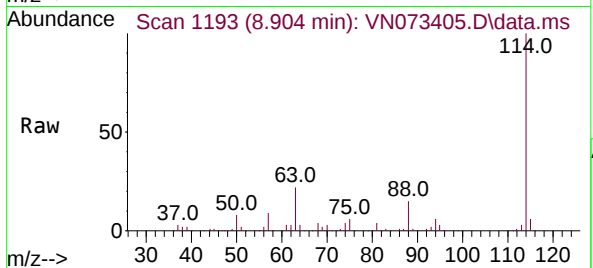
Tgt Ion:114 Resp: 470379

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.997 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073405.D

Acq: 08 Jul 2022 20:11

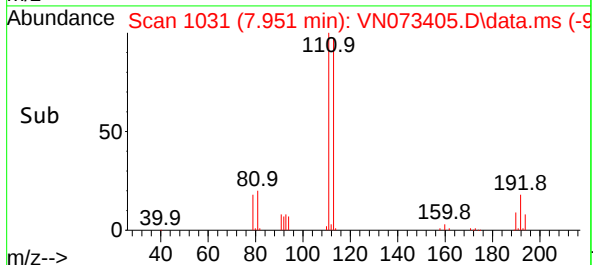
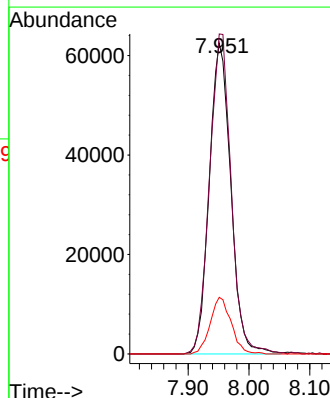
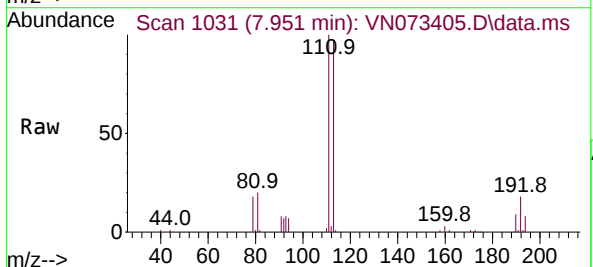
Tgt Ion:113 Resp: 153337

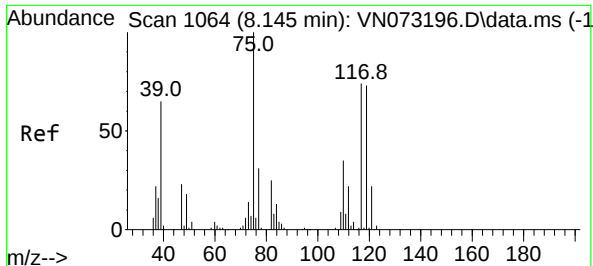
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 17.8 17.0 25.6

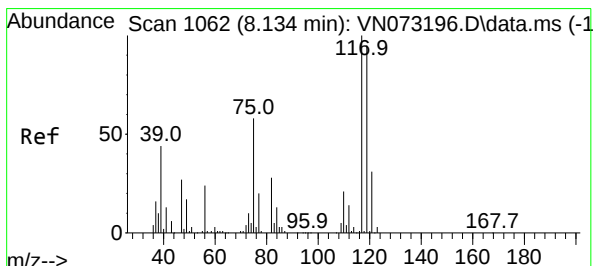
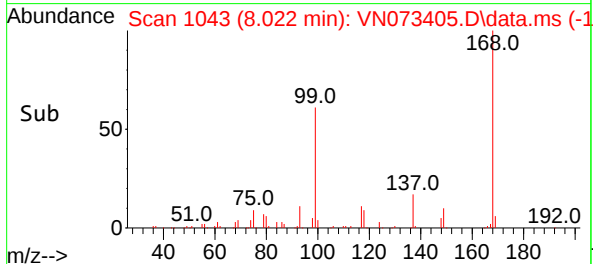
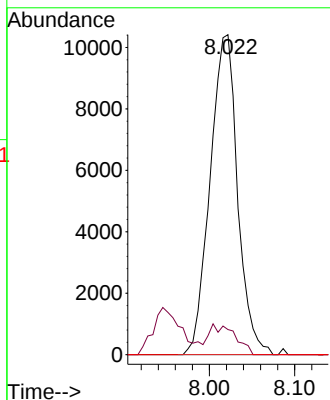
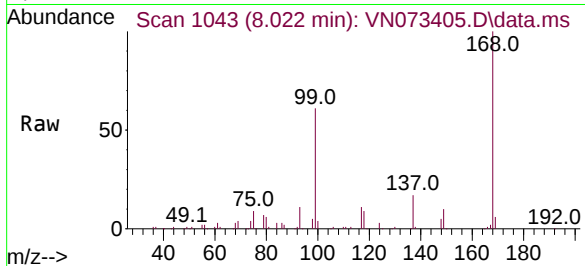




#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.123 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

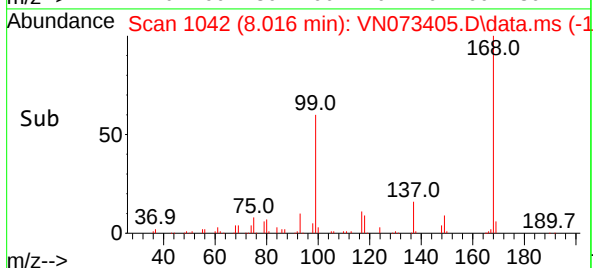
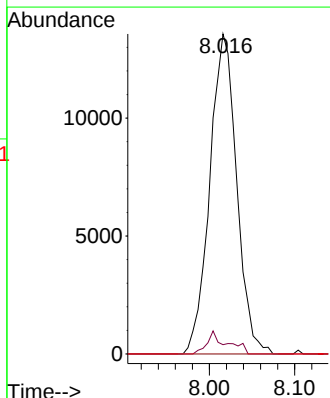
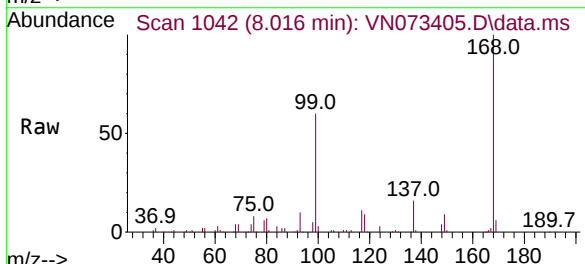
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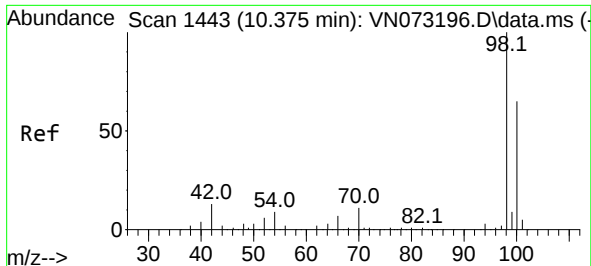
Tgt Ion: 75 Resp: 23390
Ion Ratio Lower Upper
75 100
110 2.1 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

Tgt Ion: 117 Resp: 29816
Ion Ratio Lower Upper
117 100
119 2.9 75.8 113.8#
121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 44.339 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073405.D

Acq: 08 Jul 2022 20:11

Instrument :

MSVOA_N

ClientSampleId :

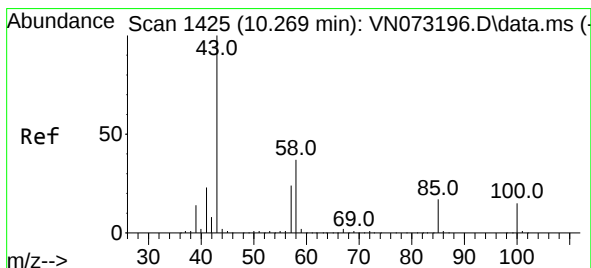
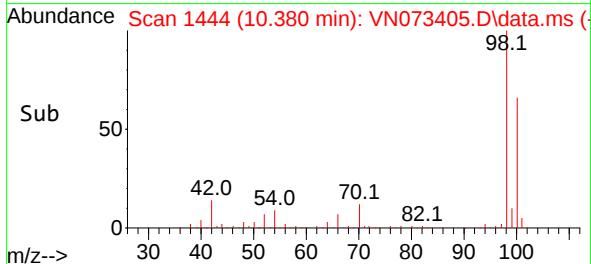
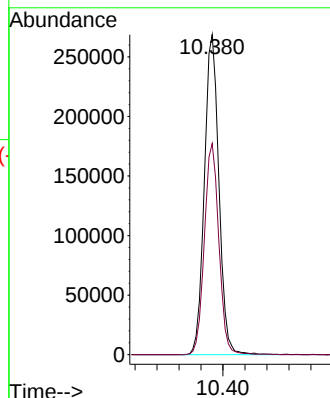
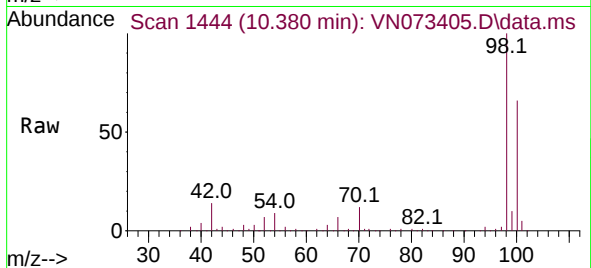
MW-3

Tgt Ion: 98 Resp: 492819

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.382 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.111 min

Lab File: VN073405.D

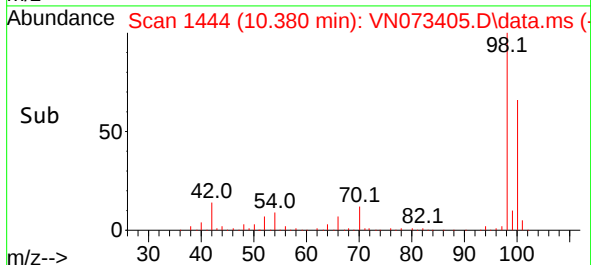
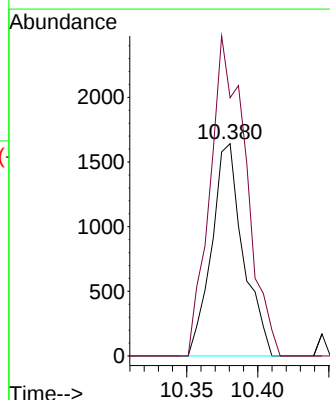
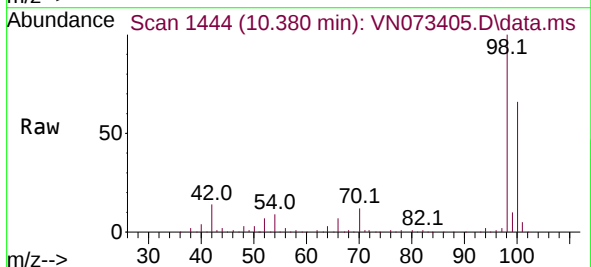
Acq: 08 Jul 2022 20:11

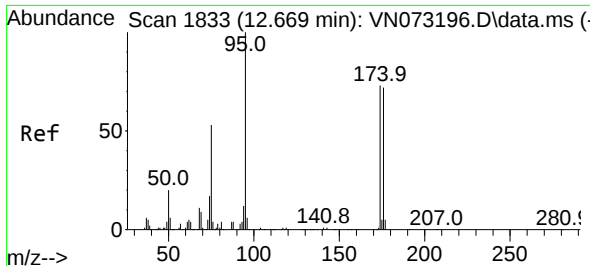
Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

43 100

58 171.7 34.1 51.1#

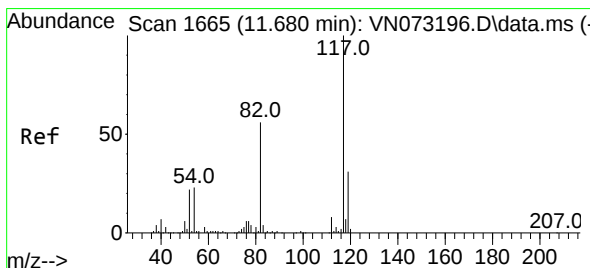
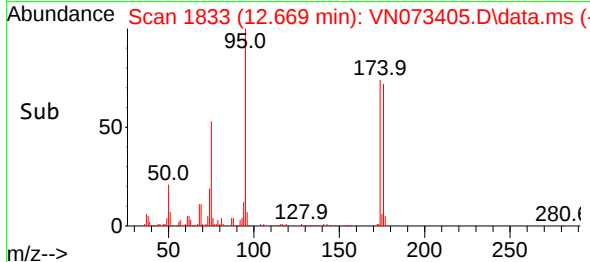
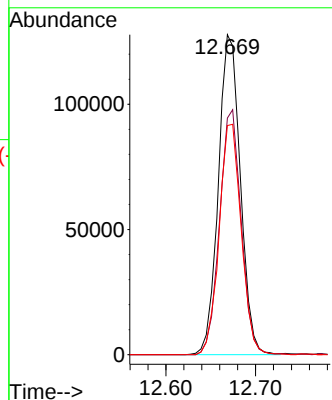
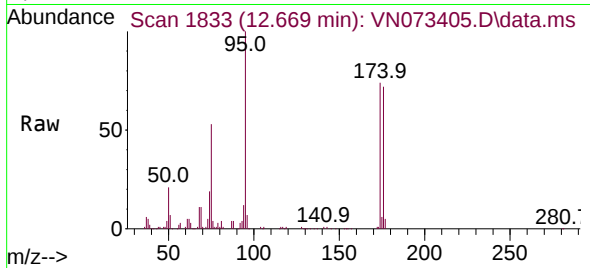




#62
4-Bromofluorobenzene
Concen: 50.911 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

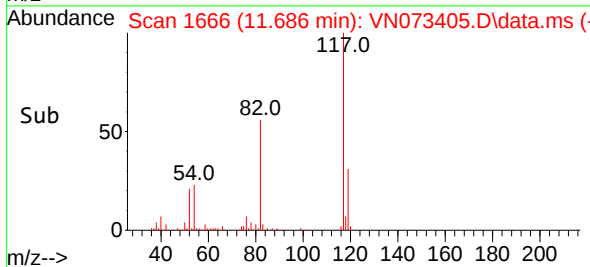
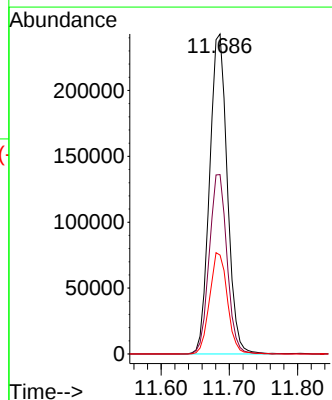
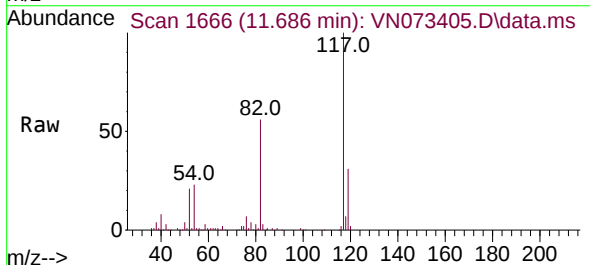
Instrument :
MSVOA_N
ClientSampleId :
MW-3

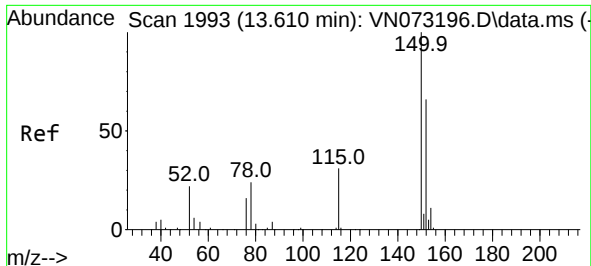
Tgt Ion: 95 Resp: 217463
Ion Ratio Lower Upper
95 100
174 75.2 0.0 167.6
176 72.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

Tgt Ion: 117 Resp: 439385
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.2
119 30.9 25.4 38.0

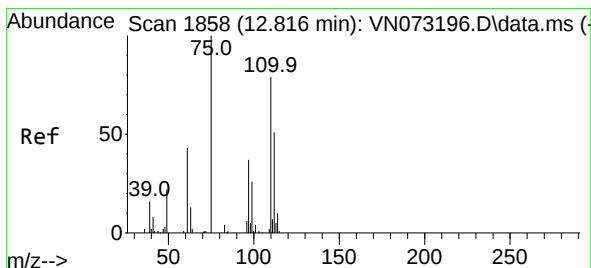
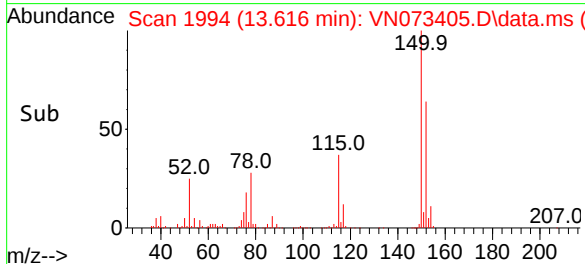
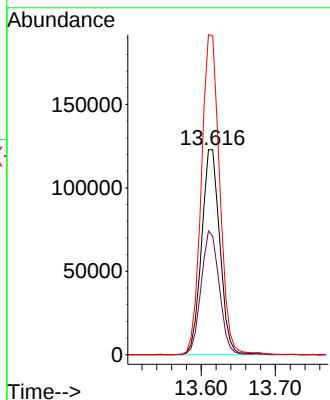
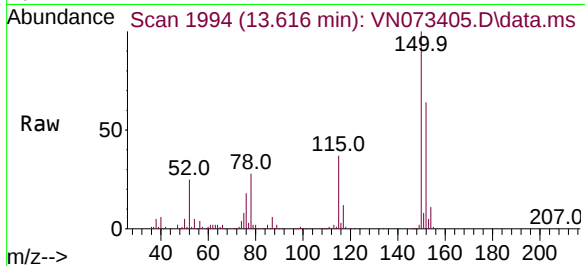




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.006 min
 Lab File: VN073405.D
 Acq: 08 Jul 2022 20:11

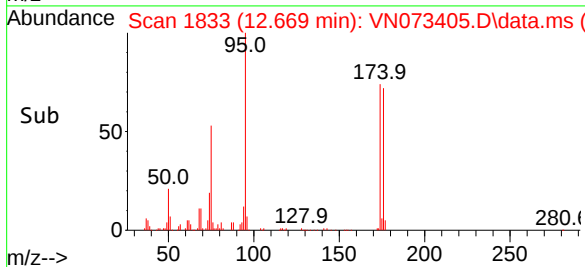
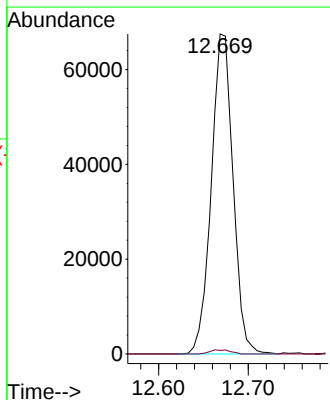
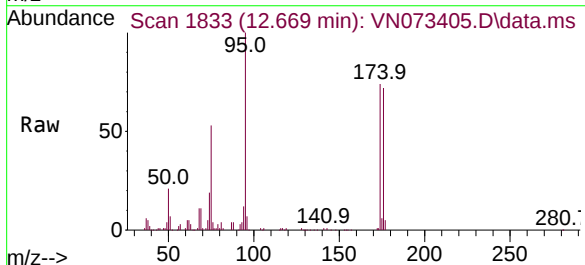
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

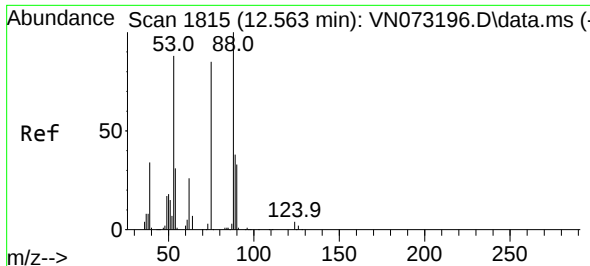
Tgt Ion:152 Resp: 210848
 Ion Ratio Lower Upper
 152 100
 115 60.3 28.9 86.7
 150 157.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.625 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073405.D
 Acq: 08 Jul 2022 20:11

Tgt Ion: 75 Resp: 113710
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

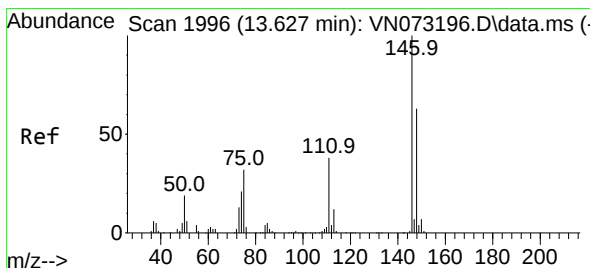
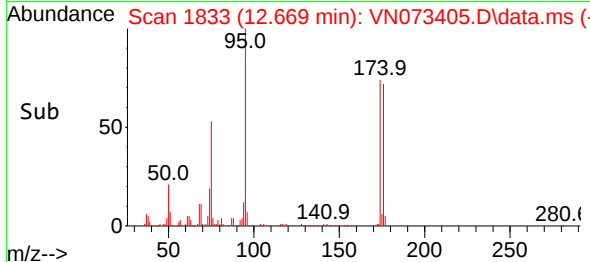
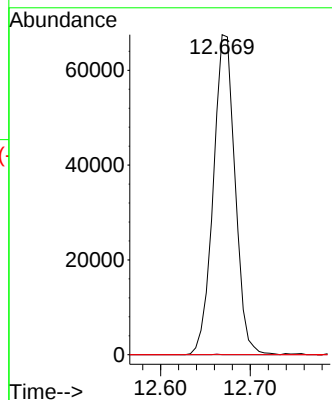
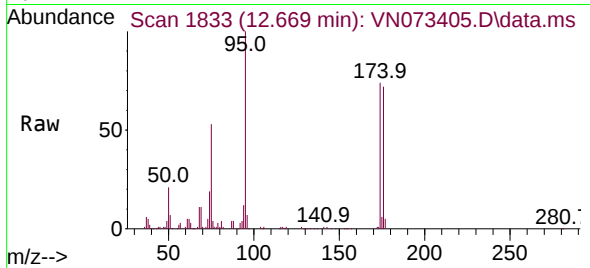




#81
trans-1,4-Dichloro-2-butene
Concen: 56.563 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 75 Resp: 113710
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#88
1,4-Dichlorobenzene
Concen: 0.209 ug/l
RT: 13.627 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN073405.D
Acq: 08 Jul 2022 20:11

Tgt Ion:146 Resp: 1594
Ion Ratio Lower Upper
146 100
111 232.1 19.1 57.1#
148 122.3 31.4 94.3#

