

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071122\
 Data File : VN073413.D
 Acq On : 11 Jul 2022 12:40
 Operator : JC\MD
 Sample : N3642-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Jul 12 07:25:35 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

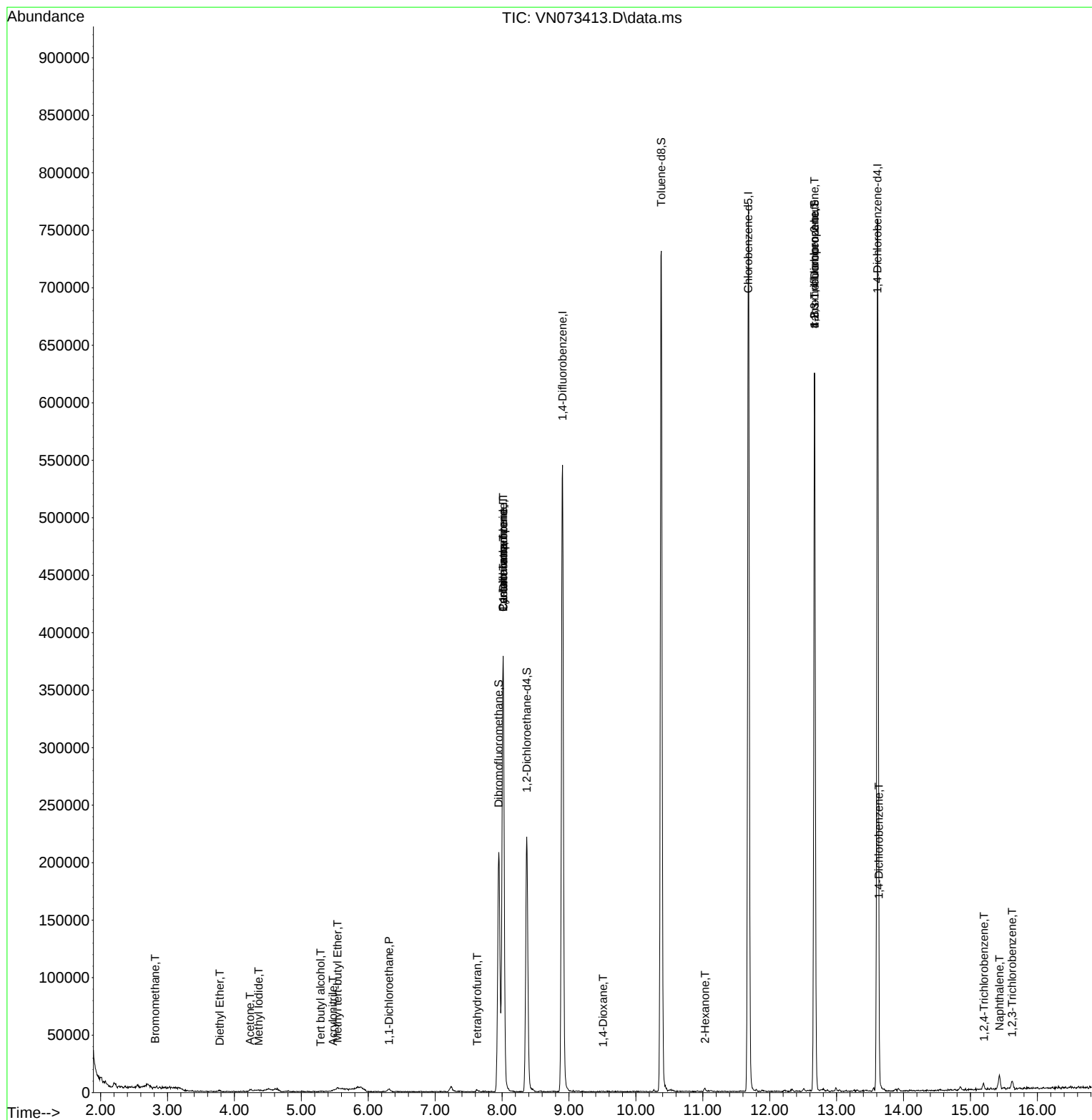
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	289512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	481159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	442212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	204771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	187019	44.748	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.500%
35) Dibromofluoromethane	7.951	113	156201	48.794	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.580%
50) Toluene-d8	10.380	98	506439	44.543	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.080%
62) 4-Bromofluorobenzene	12.668	95	212855	48.716	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.816	94	546	0.331	ug/l #	2
8) Diethyl Ether	3.781	74	536	0.218	ug/l	68
10) Methyl Iodide	4.363	142	759	3.878	ug/l #	83
11) Tert butyl alcohol	5.287	59	512	0.506	ug/l #	72
15) Acrylonitrile	5.475	53	716	0.275	ug/l #	64
16) Acetone	4.234	43	1346	0.574	ug/l	100
19) Methyl tert-butyl Ether	5.539	73	3426	0.276	ug/l #	82
24) 1,1-Dichloroethane	6.310	63	4674	0.674	ug/l #	82
29) Tetrahydrofuran	7.628	42	1152	0.450	ug/l #	42
31) Cyclohexane	8.016	56	6703	0.979	ug/l #	27
36) 1,1-Dichloropropene	8.016	75	24292	4.932	ug/l #	50
38) Carbon Tetrachloride	8.016	117	29031	5.699	ug/l #	17
49) 1,4-Dioxane	9.510	88	73	0.776	ug/l #	33
59) 2-Hexanone	11.033	43	2400	0.464	ug/l	85
76) 1,2,3-Trichloropropane	12.668	75	112817	21.070	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	112817	57.784	ug/l #	10
88) 1,4-Dichlorobenzene	13.633	146	2656	0.359	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.204	180	2029	0.519	ug/l	89
95) Naphthalene	15.433	128	12465	0.790	ug/l	98
96) 1,2,3-Trichlorobenzene	15.621	180	2498	0.619	ug/l	85

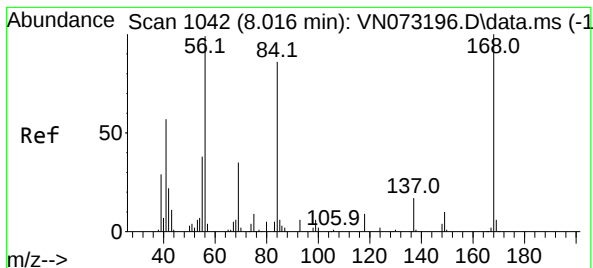
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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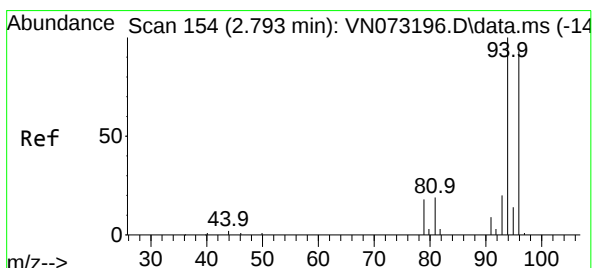
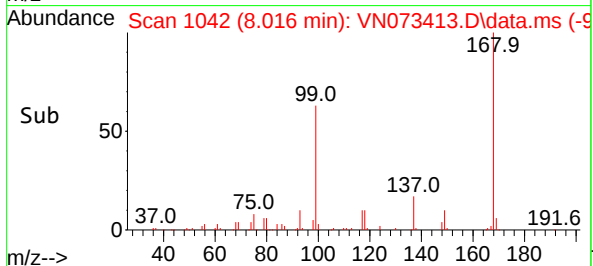
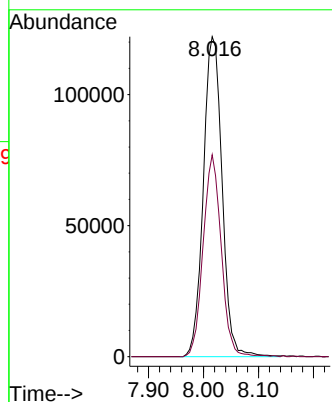
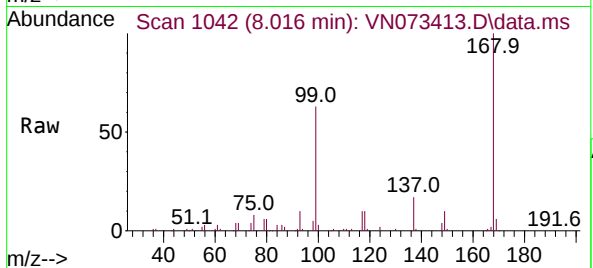




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

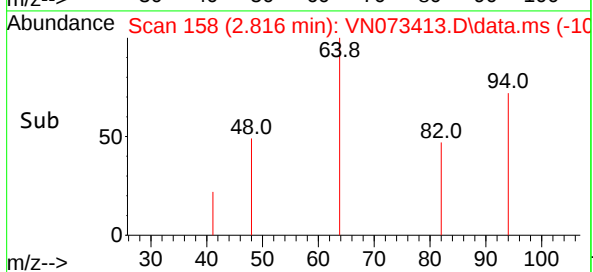
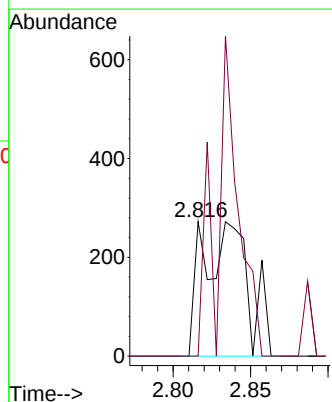
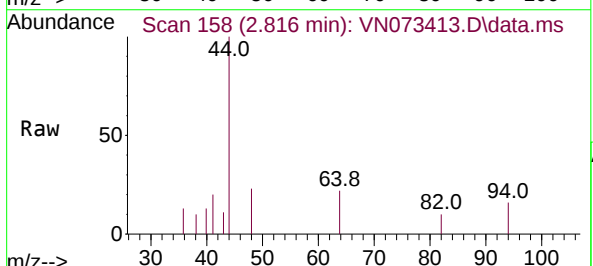
Instrument :
MSVOA_N
ClientSampleId :
MW-4

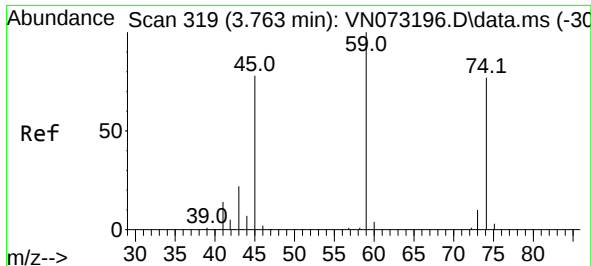
Tgt Ion:168 Resp: 289512
Ion Ratio Lower Upper
168 100
99 63.1 42.3 63.5



#5
Bromomethane
Concen: 0.331 ug/l
RT: 2.816 min Scan# 158
Delta R.T. 0.023 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#





#8

Diethyl Ether

Concen: 0.218 ug/l

RT: 3.781 min Scan# 319

Delta R.T. 0.018 min

Lab File: VN073413.D

Acq: 11 Jul 2022 12:40

Instrument :

MSVOA_N

ClientSampleId :

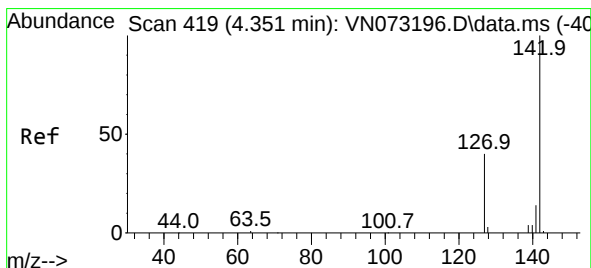
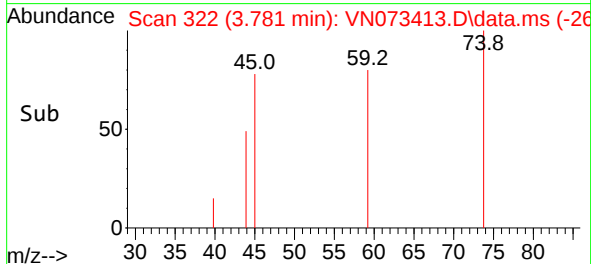
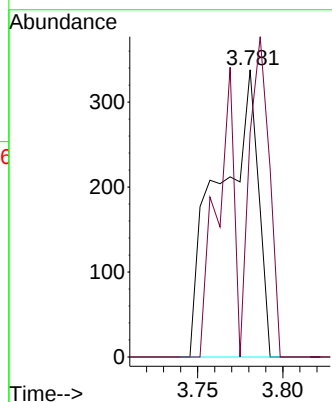
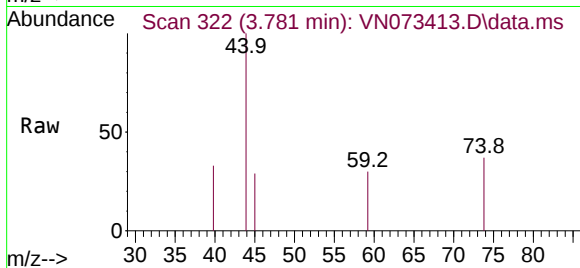
MW-4

Tgt Ion: 74 Resp: 536

Ion Ratio Lower Upper

74 100

45 56.7 42.9 128.5



#10

Methyl Iodide

Concen: 3.878 ug/l

RT: 4.363 min Scan# 421

Delta R.T. 0.012 min

Lab File: VN073413.D

Acq: 11 Jul 2022 12:40

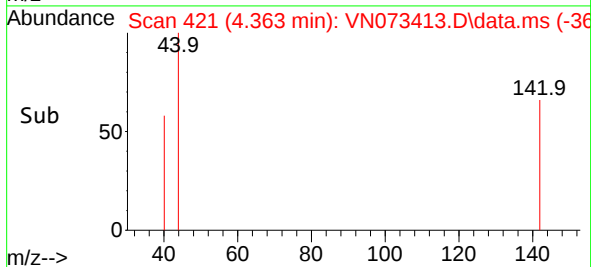
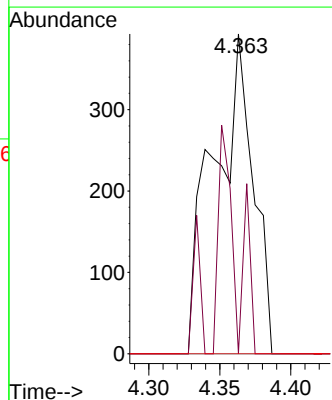
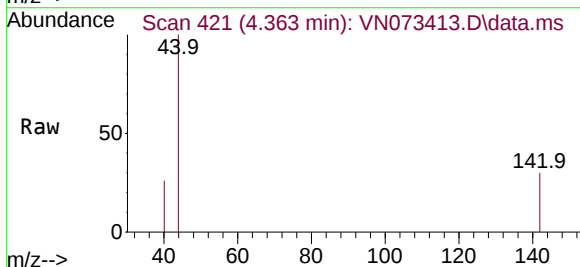
Tgt Ion: 142 Resp: 759

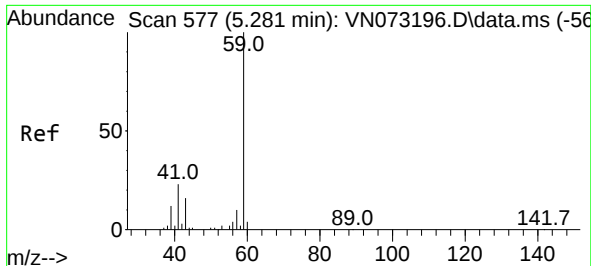
Ion Ratio Lower Upper

142 100

127 32.3 31.3 46.9

141 0.0 11.2 16.8#

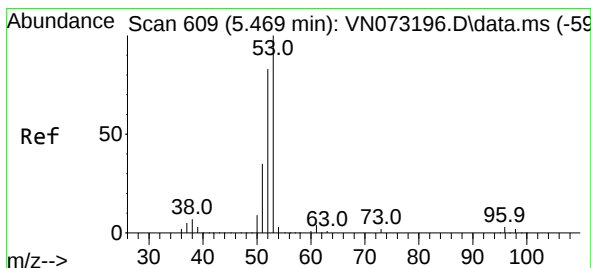
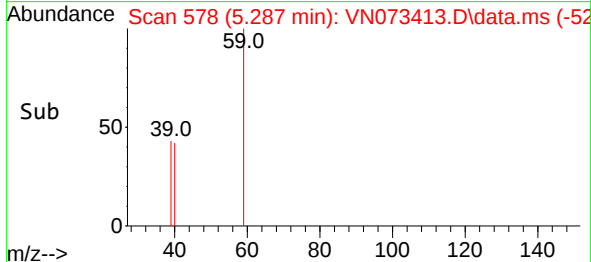
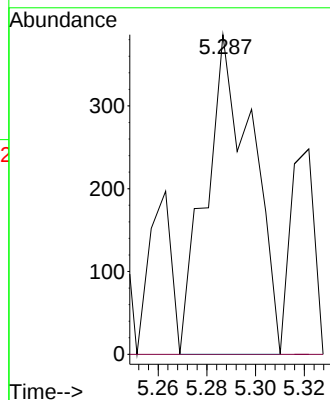
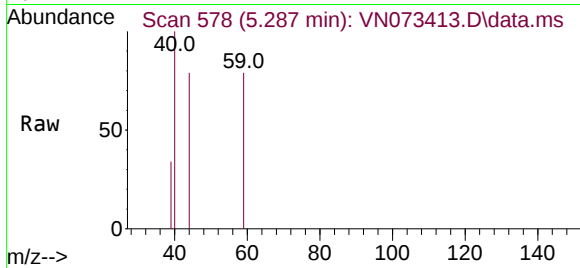




#11
Tert butyl alcohol
Concen: 0.506 ug/l
RT: 5.287 min Scan# 512
Delta R.T. 0.006 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

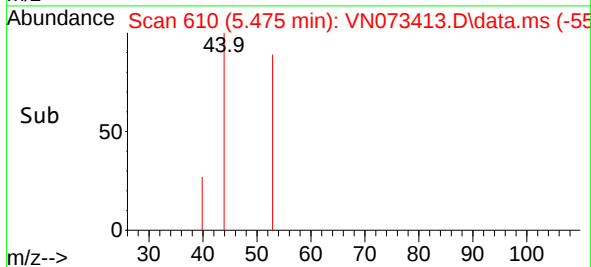
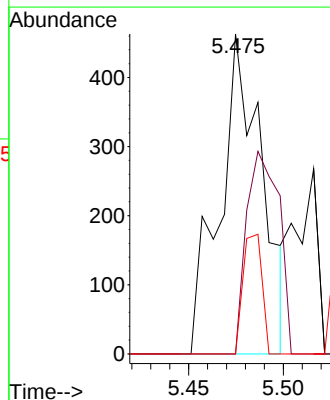
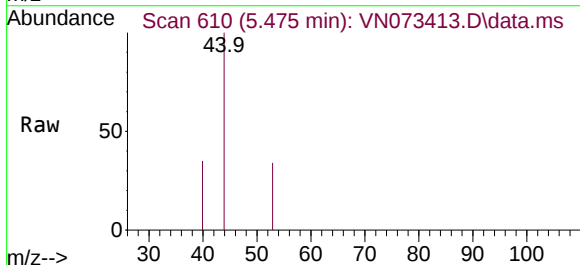
Instrument :
MSVOA_N
ClientSampleId :
MW-4

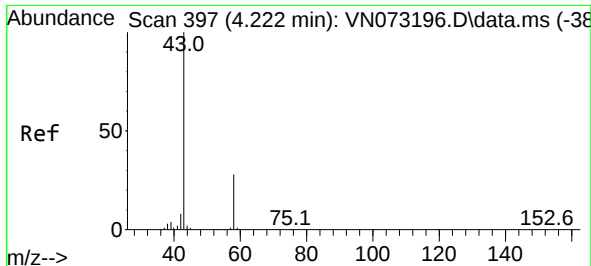
Tgt Ion: 59 Resp: 512
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#15
Acrylonitrile
Concen: 0.275 ug/l
RT: 5.475 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 53 Resp: 716
Ion Ratio Lower Upper
53 100
52 48.6 66.4 99.6#
51 16.8 28.5 42.7#

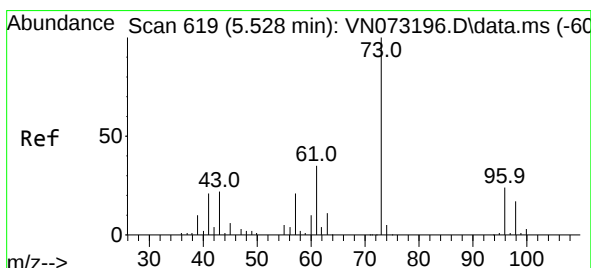
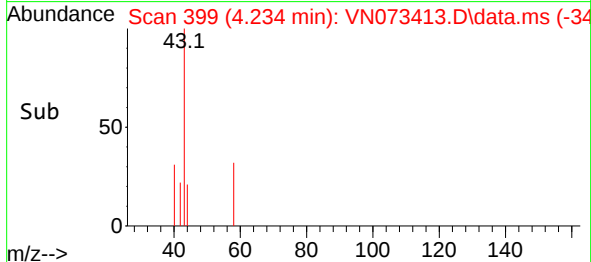
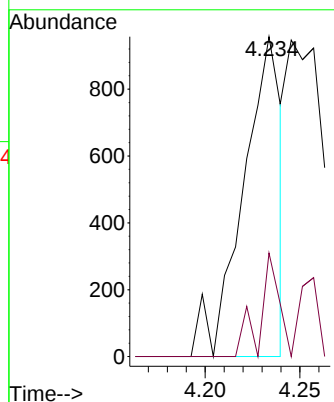
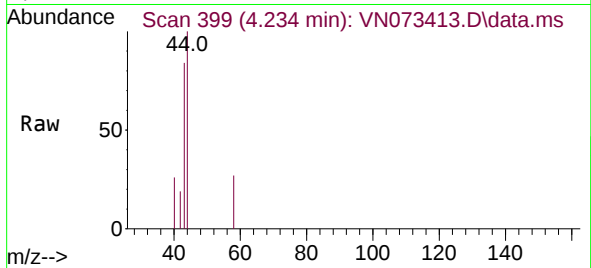




#16
Acetone
Concen: 0.574 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

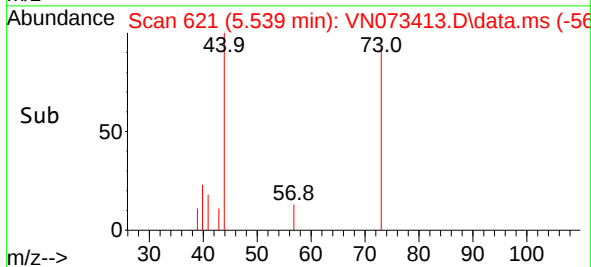
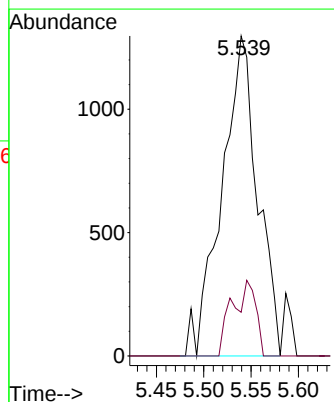
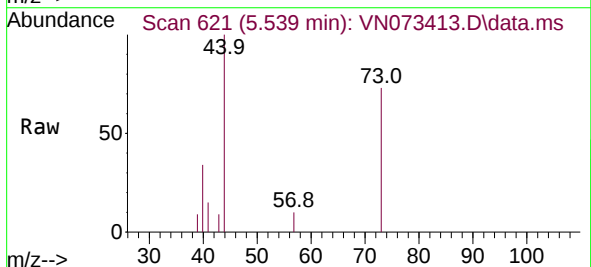
Instrument :
MSVOA_N
ClientSampleId :
MW-4

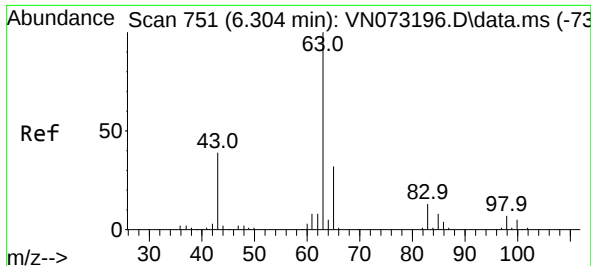
Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
58 32.4 26.0 39.0



#19
Methyl tert-butyl Ether
Concen: 0.276 ug/l
RT: 5.539 min Scan# 621
Delta R.T. 0.011 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 73 Resp: 3426
Ion Ratio Lower Upper
73 100
57 13.6 17.6 26.4#

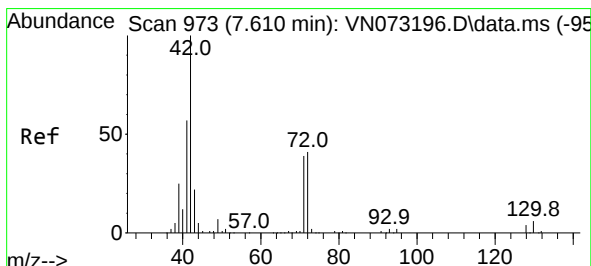
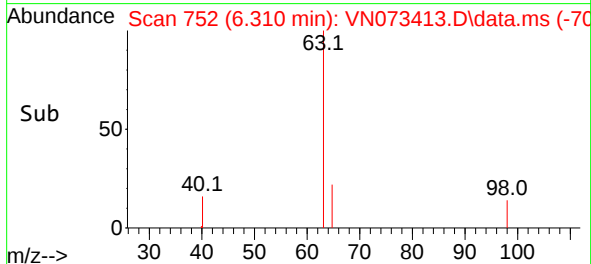
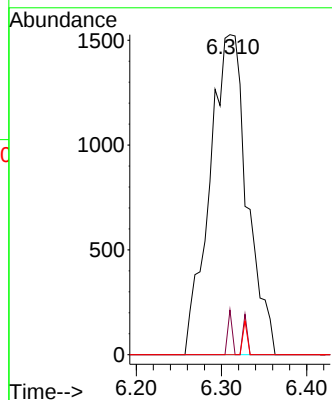
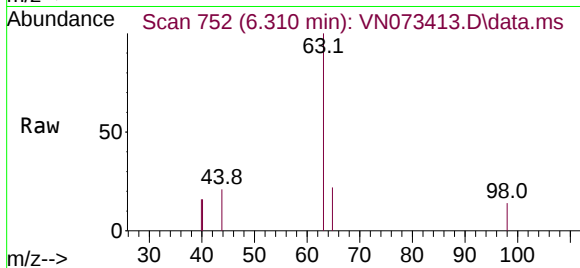




#24
1,1-Dichloroethane
Concen: 0.674 ug/l
RT: 6.310 min Scan# 751
Delta R.T. 0.006 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

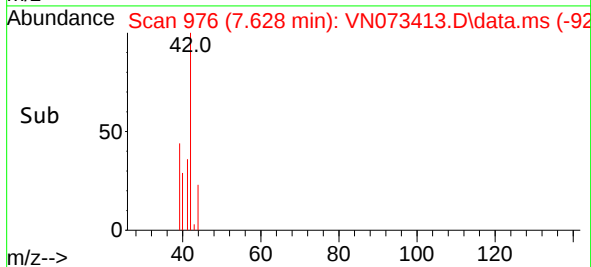
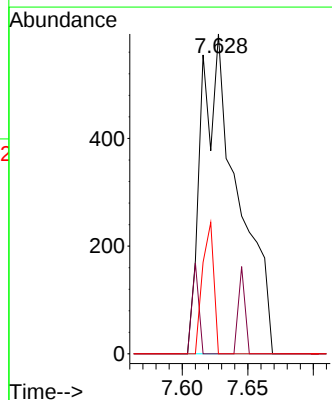
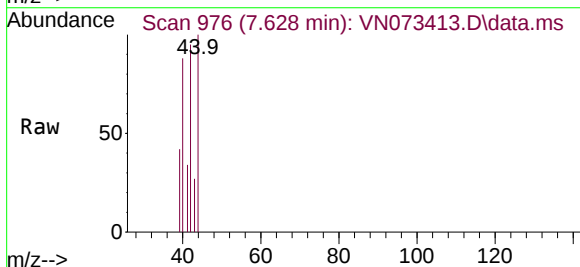
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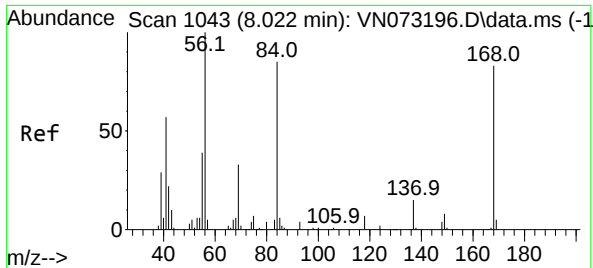
Tgt Ion: 63 Resp: 4674
Ion Ratio Lower Upper
63 100
98 13.9 3.5 10.4#
100 0.0 2.3 6.8#



#29
Tetrahydrofuran
Concen: 0.450 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 42 Resp: 1152
Ion Ratio Lower Upper
42 100
72 5.2 39.7 59.5#
71 12.7 36.6 55.0#

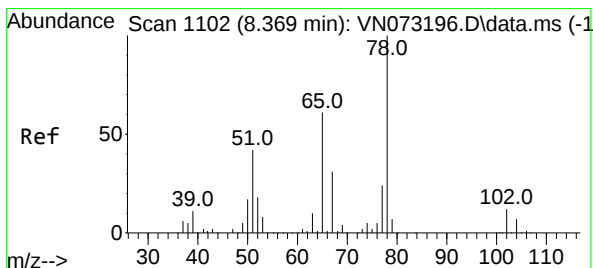
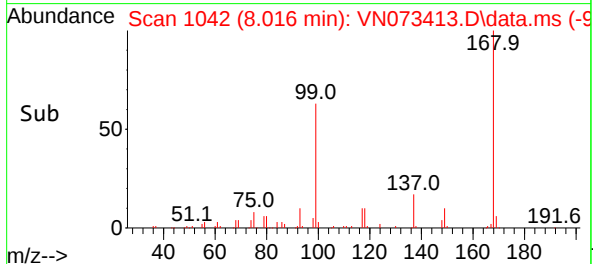
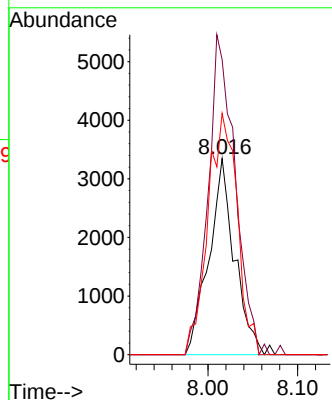
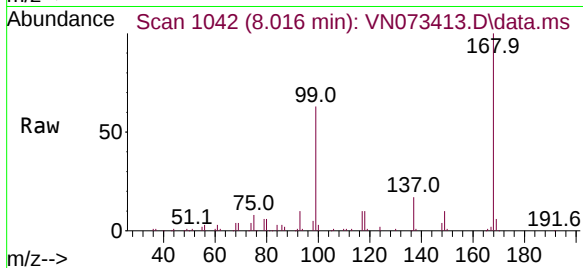




#31
Cyclohexane
Concen: 0.979 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

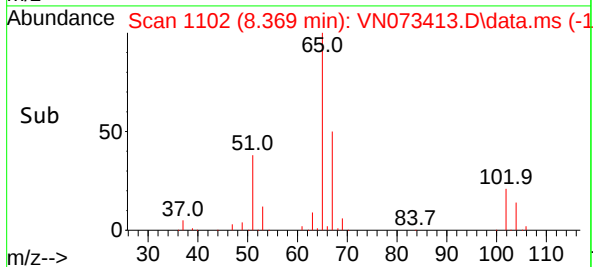
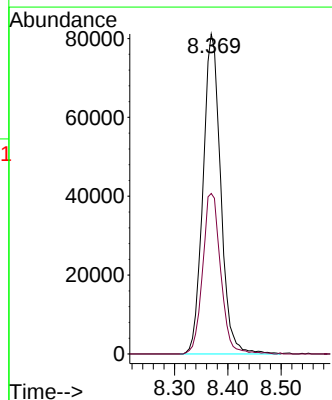
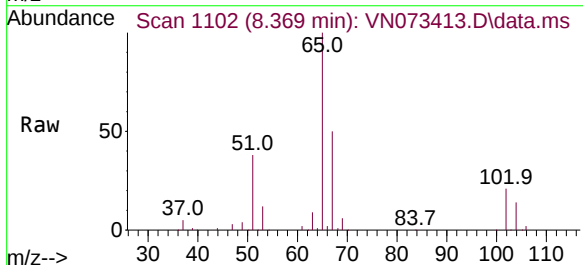
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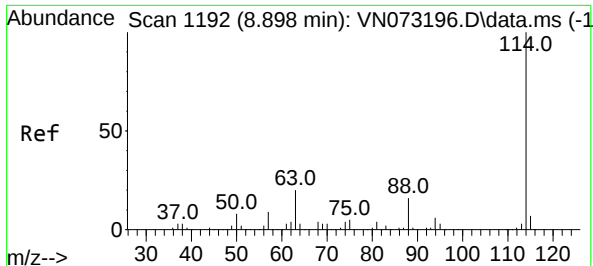
Tgt Ion: 56 Resp: 6703
Ion Ratio Lower Upper
56 100
69 150.4 27.8 41.8#
84 123.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.748 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 65 Resp: 187019
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073413.D

Acq: 11 Jul 2022 12:40

Instrument :

MSVOA_N

ClientSampleId :

MW-4

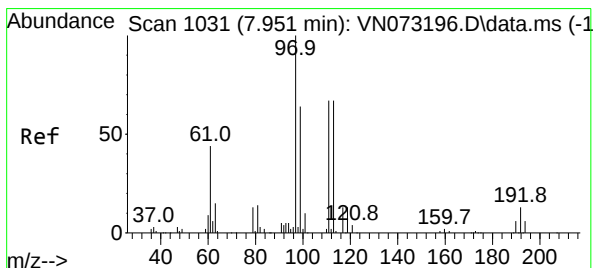
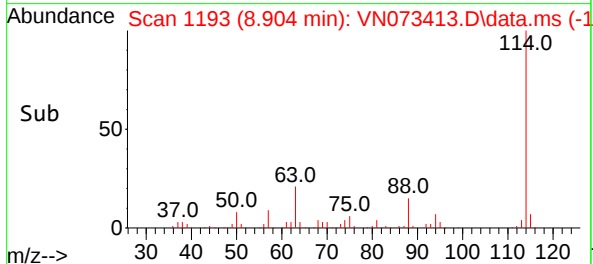
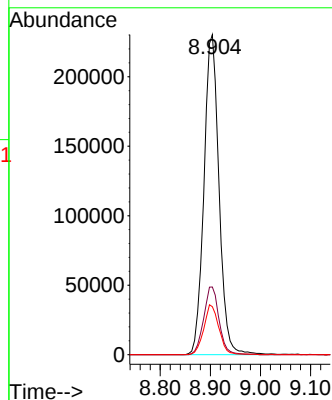
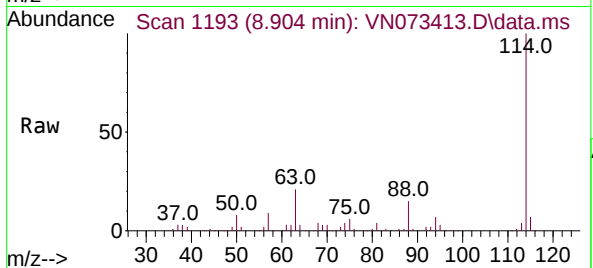
Tgt Ion:114 Resp: 481159

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

88 15.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.794 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073413.D

Acq: 11 Jul 2022 12:40

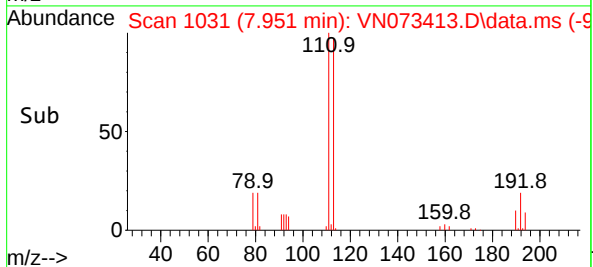
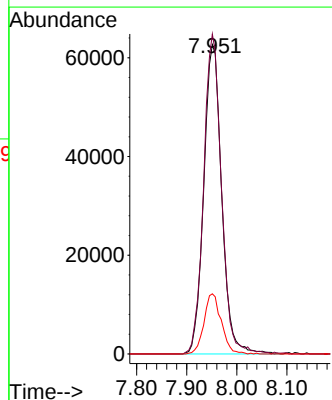
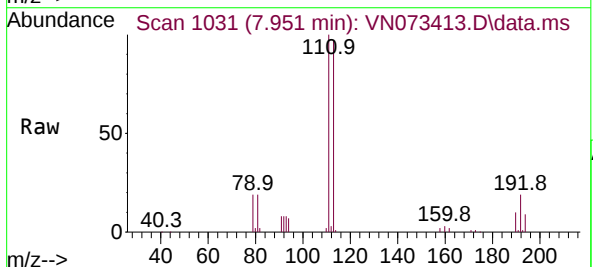
Tgt Ion:113 Resp: 156201

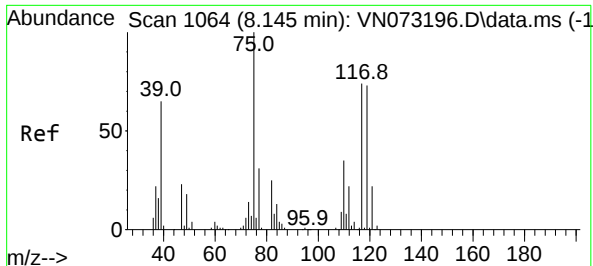
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 18.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073413.D

Acq: 11 Jul 2022 12:40

Instrument :

MSVOA_N

ClientSampleId :

MW-4

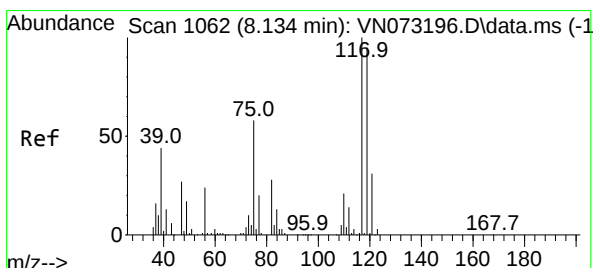
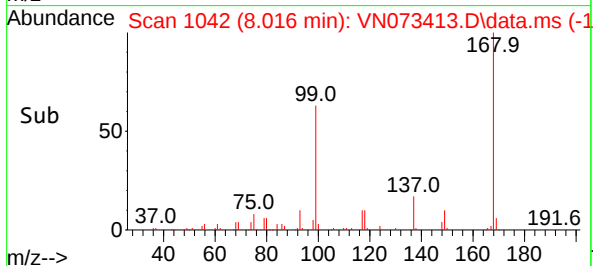
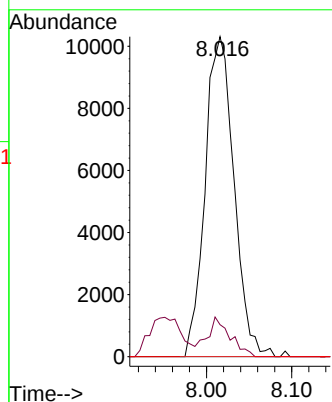
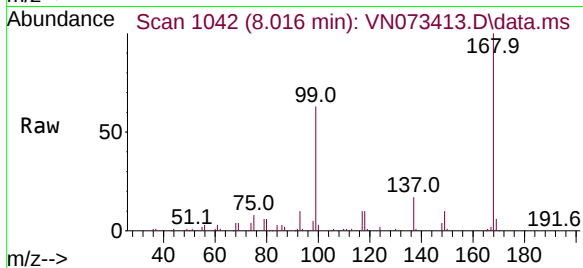
Tgt Ion: 75 Resp: 24292

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.699 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073413.D

Acq: 11 Jul 2022 12:40

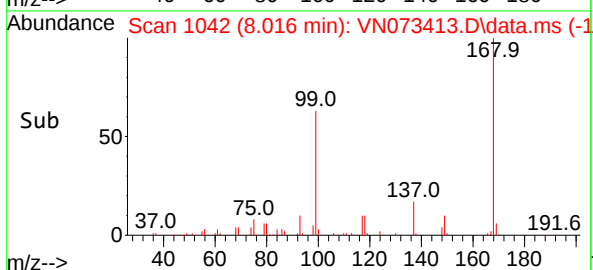
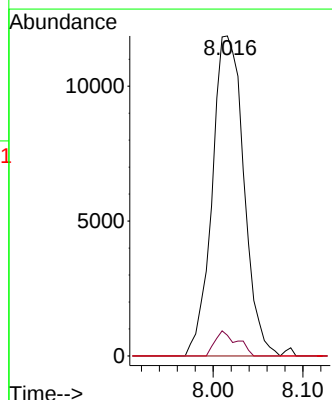
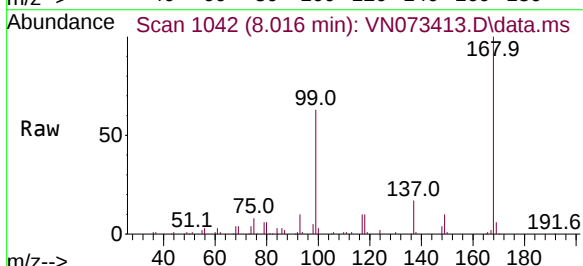
Tgt Ion: 117 Resp: 29031

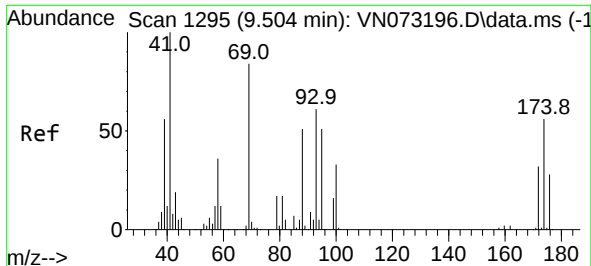
Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.8#

121 0.0 24.6 37.0#

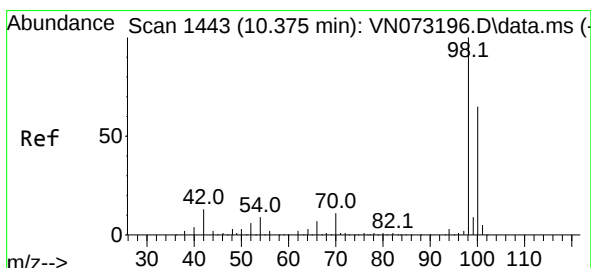
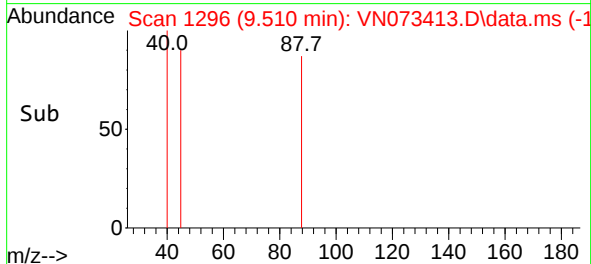
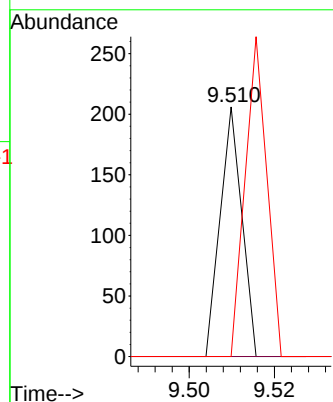
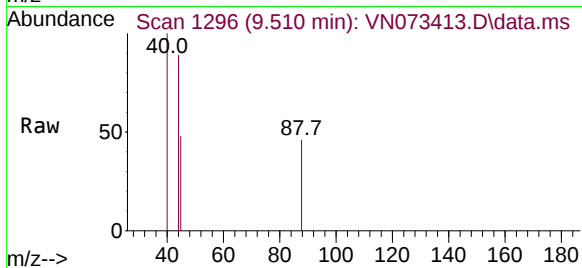




#49
1,4-Dioxane
Concen: 0.776 ug/l
RT: 9.510 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

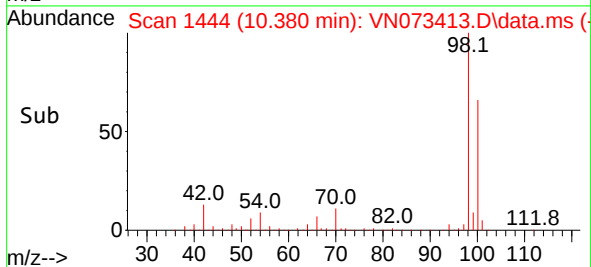
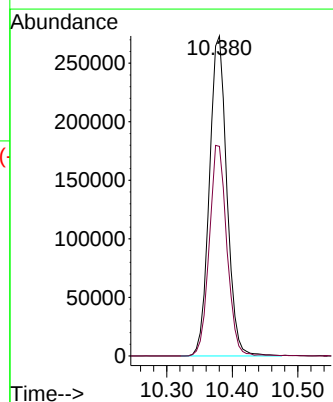
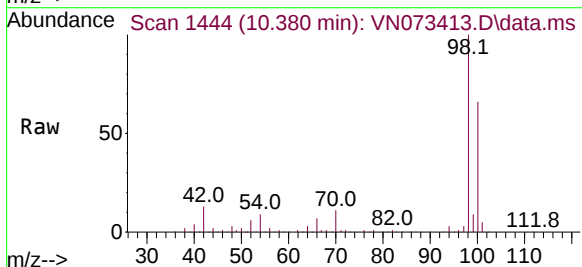
Instrument :
MSVOA_N
ClientSampleId :
MW-4

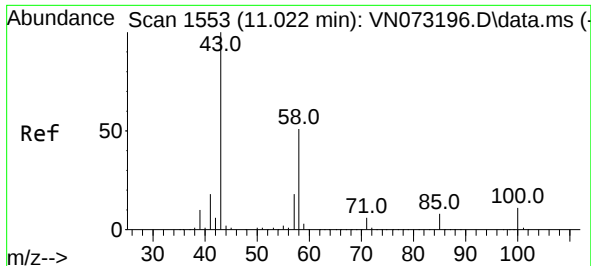
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 127.4 54.2 81.4#



#50
Toluene-d8
Concen: 44.543 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 98 Resp: 506439
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

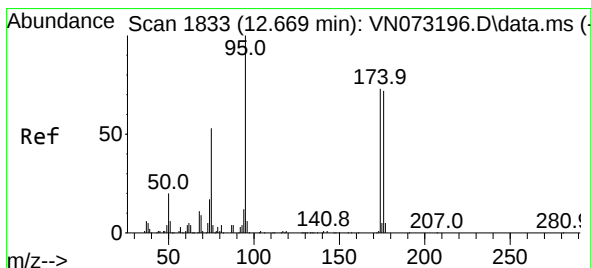
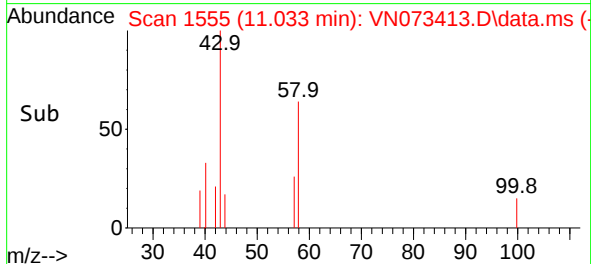
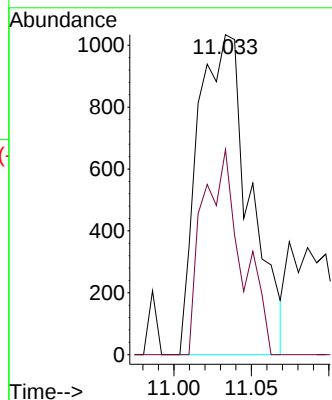
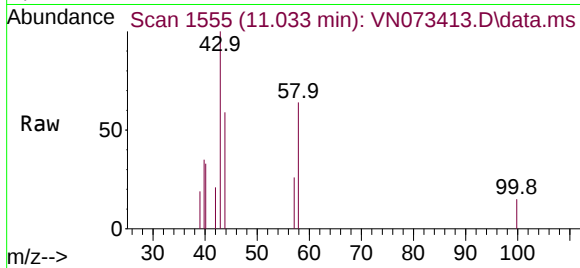




#59
2-Hexanone
Concen: 0.464 ug/l
RT: 11.033 min Scan# 1553
Delta R.T. 0.011 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

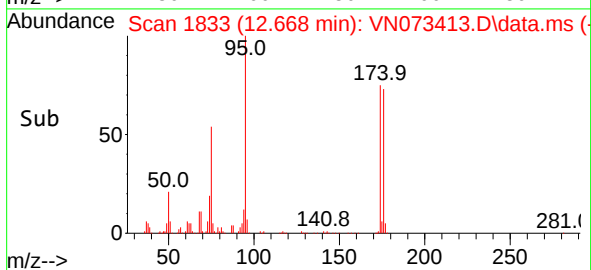
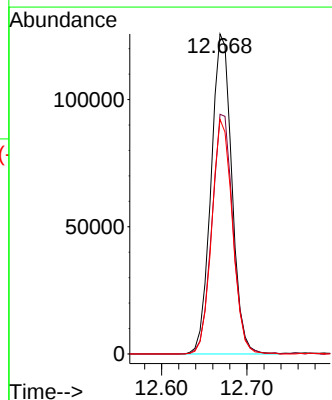
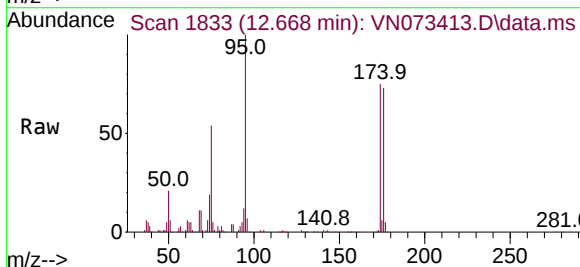
Instrument :
MSVOA_N
ClientSampleId :
MW-4

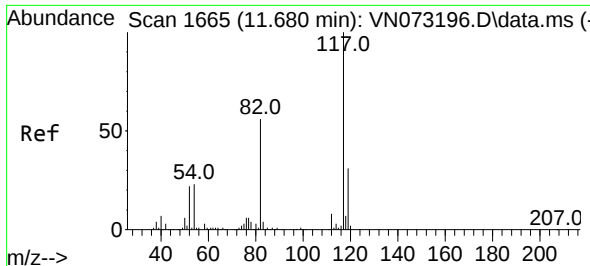
Tgt Ion: 43 Resp: 2400
Ion Ratio Lower Upper
43 100
58 48.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 48.716 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 95 Resp: 212855
Ion Ratio Lower Upper
95 100
174 75.6 0.0 167.6
176 72.9 0.0 163.4

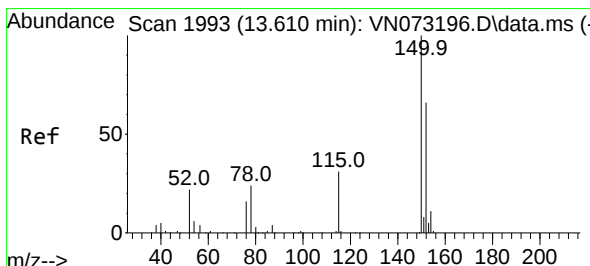
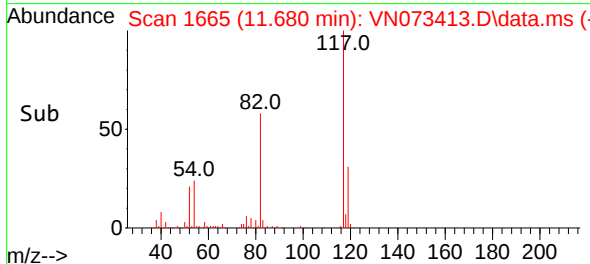
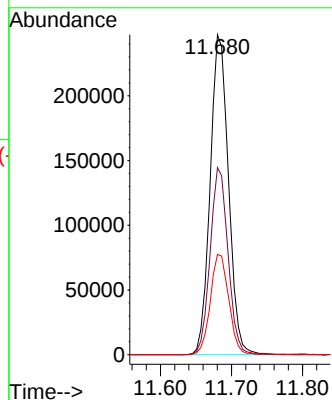
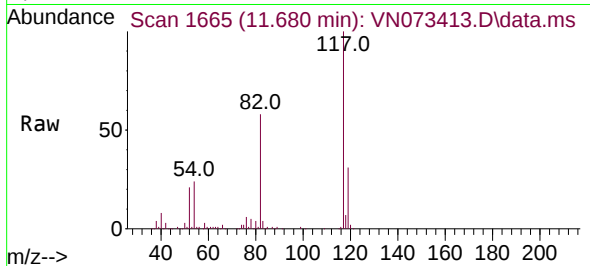




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

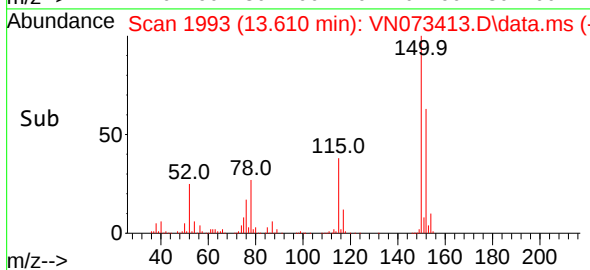
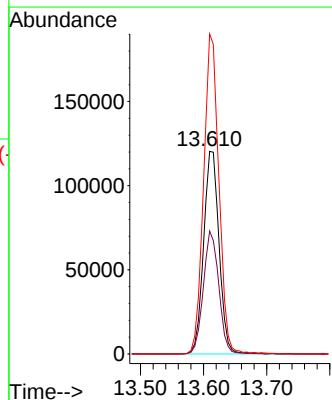
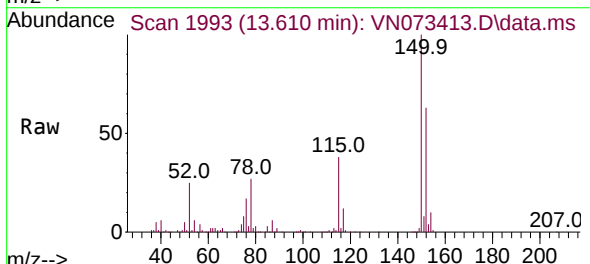
Instrument :
MSVOA_N
ClientSampleId :
MW-4

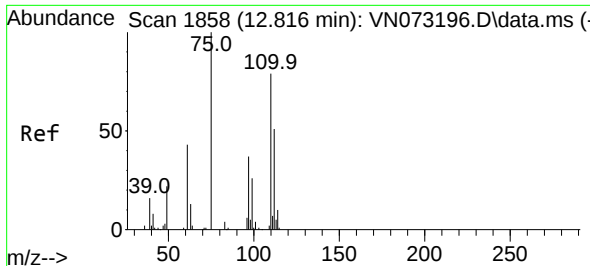
Tgt Ion:117 Resp: 442212
Ion Ratio Lower Upper
117 100
82 58.5 44.2 66.2
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion:152 Resp: 204771
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.7
150 156.0 0.0 356.2

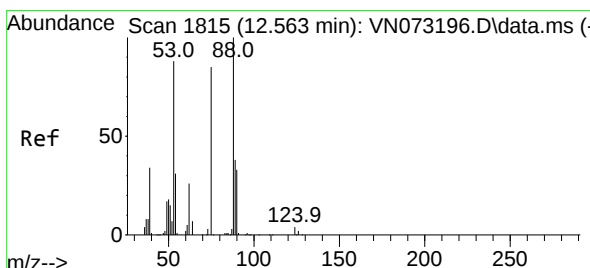
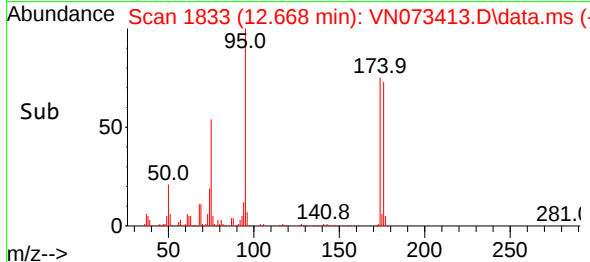
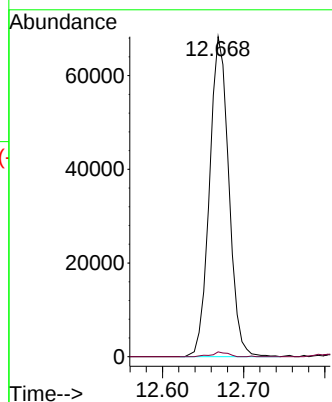
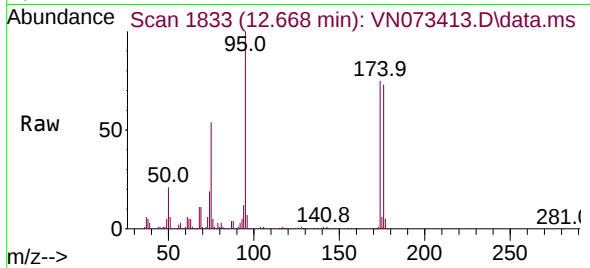




#76
1,2,3-Trichloropropane
Concen: 21.070 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

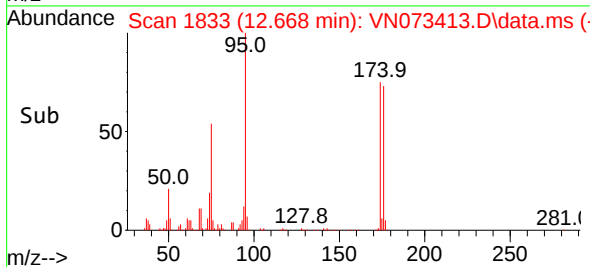
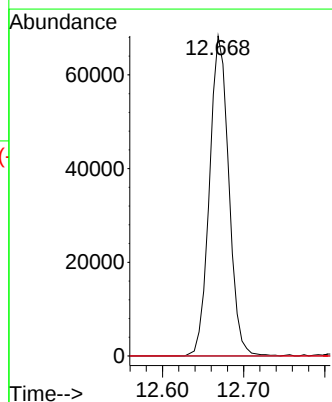
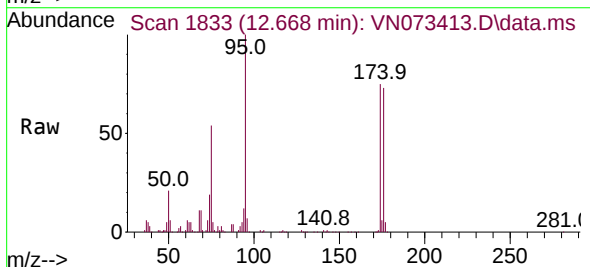
Instrument :
MSVOA_N
ClientSampleId :
MW-4

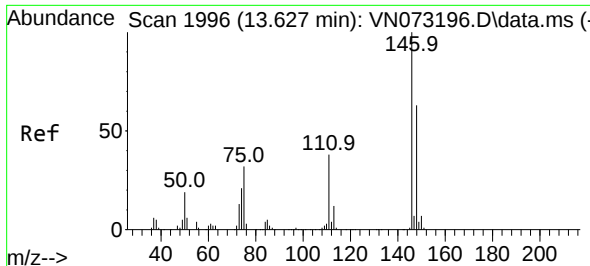
Tgt Ion: 75 Resp: 112817
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.784 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion: 75 Resp: 112817
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

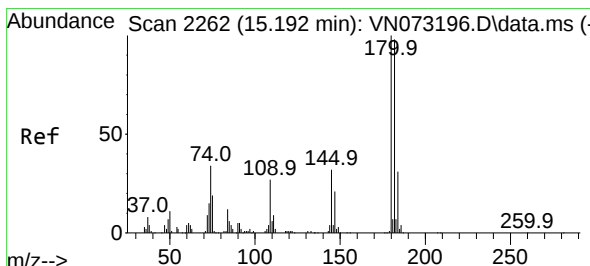
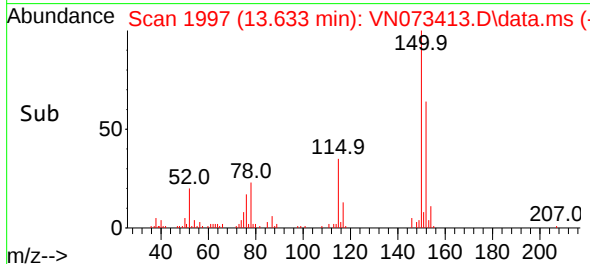
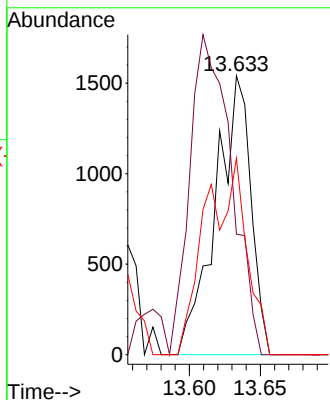
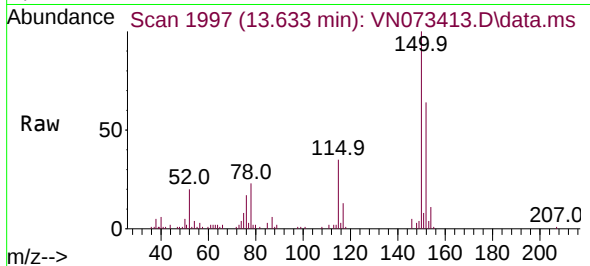




#88
 1,4-Dichlorobenzene
 Concen: 0.359 ug/l
 RT: 13.633 min Scan# 1996
 Delta R.T. 0.006 min
 Lab File: VN073413.D
 Acq: 11 Jul 2022 12:40

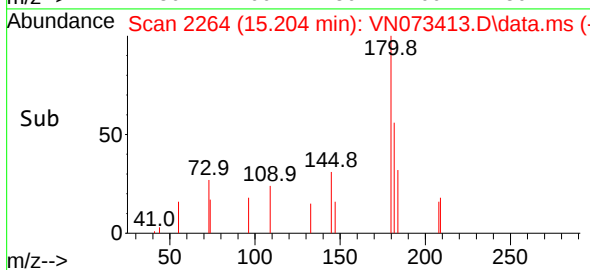
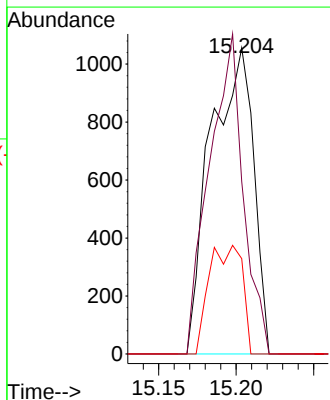
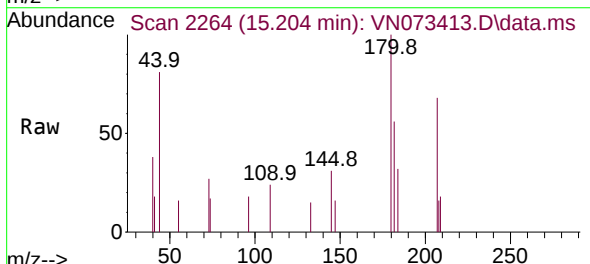
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

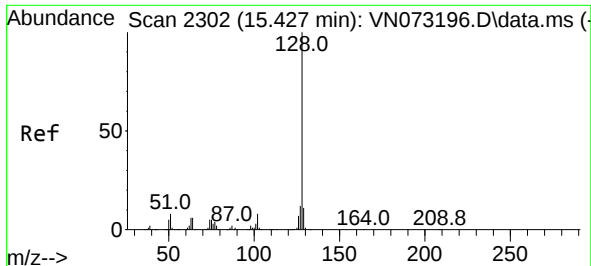
Tgt Ion:146 Resp: 2656
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.1#
 148 0.0 31.4 94.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.519 ug/l
 RT: 15.204 min Scan# 2264
 Delta R.T. 0.012 min
 Lab File: VN073413.D
 Acq: 11 Jul 2022 12:40

Tgt Ion:180 Resp: 2029
 Ion Ratio Lower Upper
 180 100
 182 82.5 47.5 142.5
 145 27.5 14.5 43.5

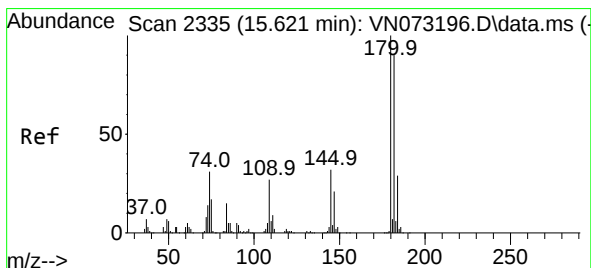
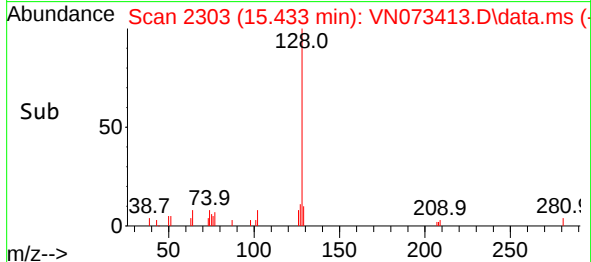
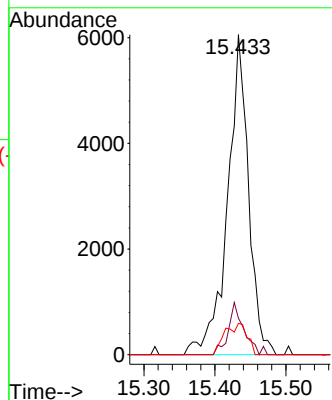
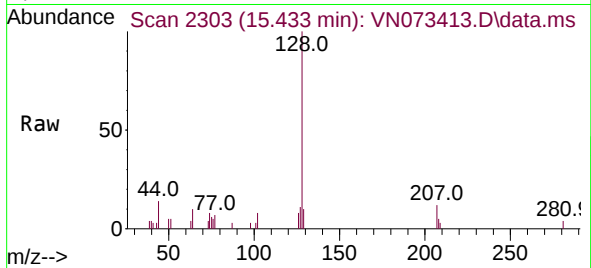




#95
Naphthalene
Concen: 0.790 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tgt Ion:128	Resp:	12465
Ion Ratio	Lower	Upper
128	100	
127	12.2	10.3 15.5
129	10.3	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.619 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VN073413.D
Acq: 11 Jul 2022 12:40

Tgt Ion:180	Resp:	2498
Ion Ratio	Lower	Upper
180	100	
182	109.2	47.8 143.3
145	40.8	15.5 46.5

