

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070722\
 Data File : VX029960.D
 Acq On : 07 Jul 2022 17:14
 Operator : JC/MD
 Sample : N3617-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-05

Quant Time: Jul 08 05:35:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

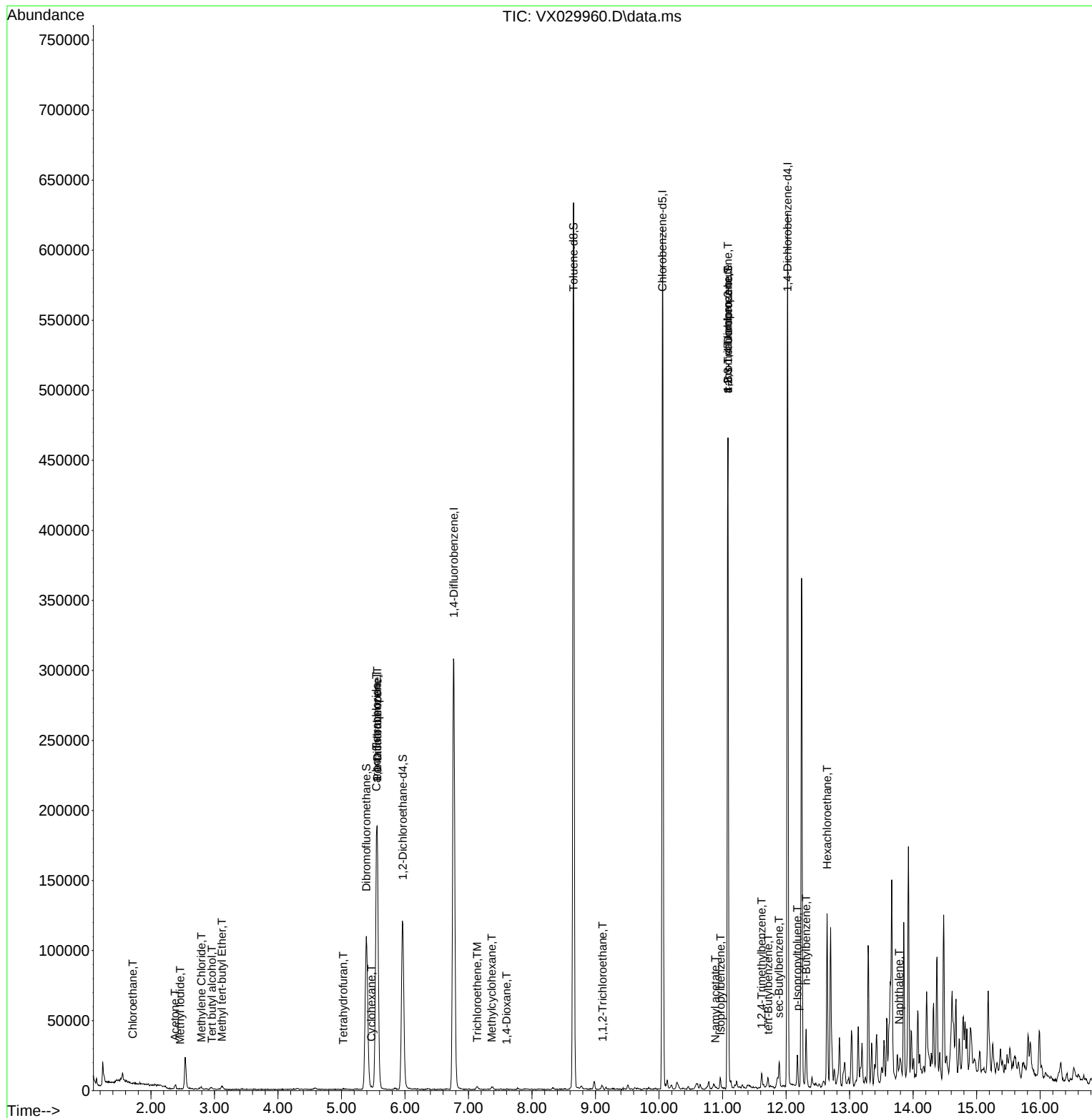
Internal Standards						
1) Pentafluorobenzene	5.562	168	192143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	338381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	290614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107056	44.016	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.040%
35) Dibromofluoromethane	5.391	113	97883	46.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.580%
50) Toluene-d8	8.653	98	380633	47.979	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.960%
62) 4-Bromofluorobenzene	11.085	95	127454	45.450	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.900%
Target Compounds						
					Qvalue	
6) Chloroethane	1.715	64	528	1.364	ug/l #	46
10) Methyl Iodide	2.459	142	367	2.007	ug/l #	76
11) Tert butyl alcohol	2.959	59	633	0.995	ug/l #	88
13) Acrolein	2.252	56	19	Below Cal	#	14
16) Acetone	2.380	43	3216	2.703	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	2191	0.328	ug/l	94
20) Methylene Chloride	2.794	84	565	0.225	ug/l #	65
29) Tetrahydrofuran	5.026	42	438	0.322	ug/l #	55
31) Cyclohexane	5.471	56	1057	0.312	ug/l #	82
36) 1,1-Dichloropropene	5.562	75	14507	5.158	ug/l #	48
38) Carbon Tetrachloride	5.550	117	18382	7.543	ug/l #	18
39) Methylcyclohexane	7.367	83	683	0.201	ug/l #	37
44) Trichloroethene	7.135	130	843	0.344	ug/l	86
49) 1,4-Dioxane	7.598	88	41	0.630	ug/l #	25
55) 1,1,2-Trichloroethane	9.110	97	1141	0.477	ug/l #	25
73) Isopropylbenzene	10.970	105	3630	0.395	ug/l	88
74) N-amyl acetate	10.884	43	1004	0.221	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	58657	19.317	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58657	61.345	ug/l #	13
83) tert-Butylbenzene	11.719	119	2281	0.302	ug/l	80
84) 1,2,4-Trimethylbenzene	11.616	105	2700	0.354	ug/l	84
85) sec-Butylbenzene	11.890	105	8594	0.903	ug/l #	75
86) p-Isopropyltoluene	12.177	119	9435	1.242	ug/l	93
89) n-Butylbenzene	12.317	91	3801	0.532	ug/l #	1
90) Hexachloroethane	12.646	117	39711	32.051	ug/l #	16
95) Naphthalene	13.780	128	5512	0.538	ug/l #	86

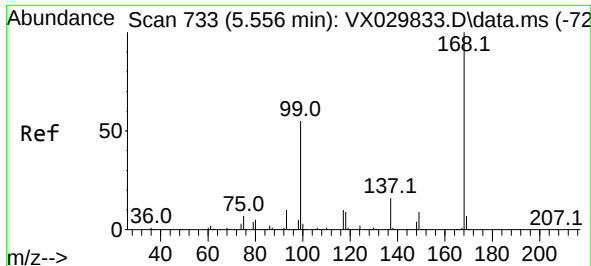
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070722\
Data File : VX029960.D
Acq On : 07 Jul 2022 17:14
Operator : JC/MD
Sample : N3617-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-05

Quant Time: Jul 08 05:35:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 05:54:51 2022
Response via : Initial Calibration

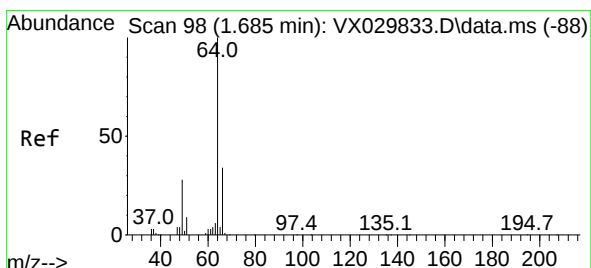
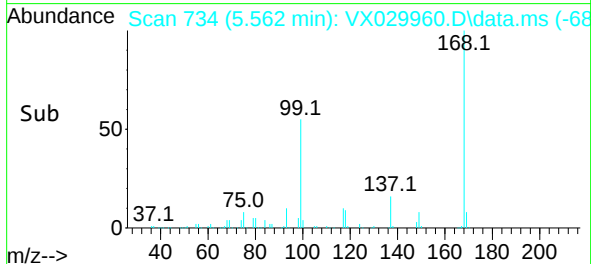
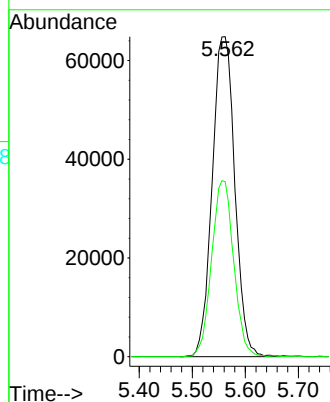
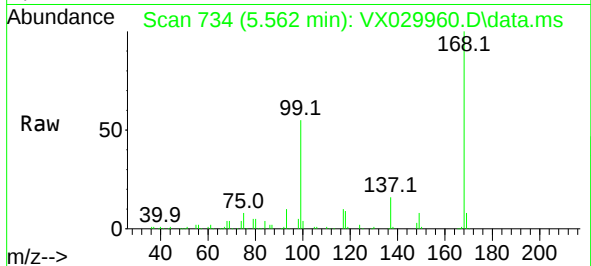




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

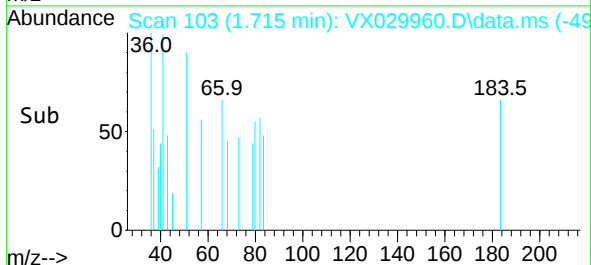
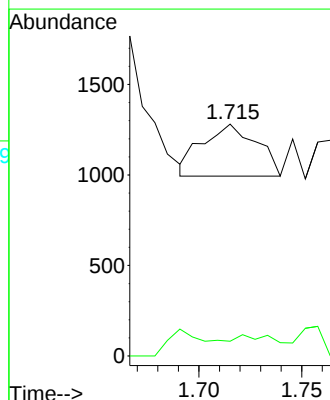
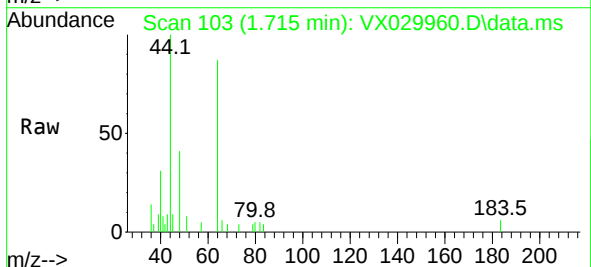
Instrument :
MSVOA_X
ClientSampleId :
MW-05

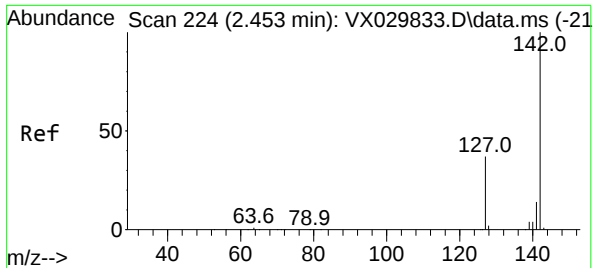
Tgt Ion:168 Resp: 192143
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#6
Chloroethane
Concen: 1.364 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.030 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 64 Resp: 528
Ion Ratio Lower Upper
64 100
66 2.8 27.2 40.8#

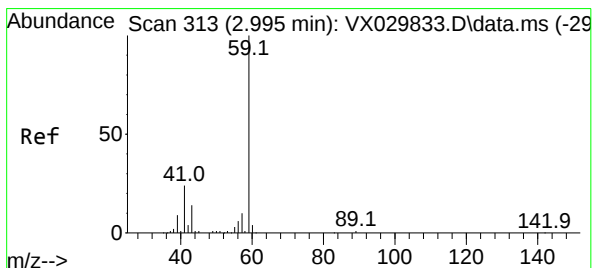
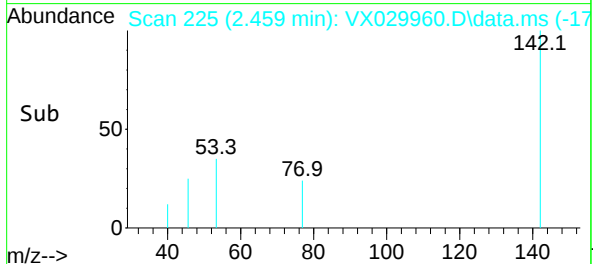
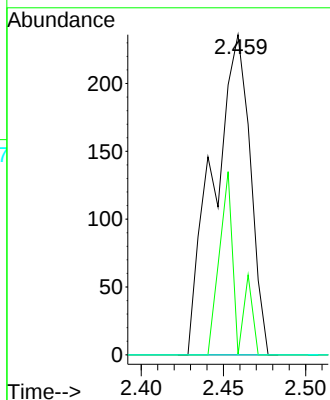
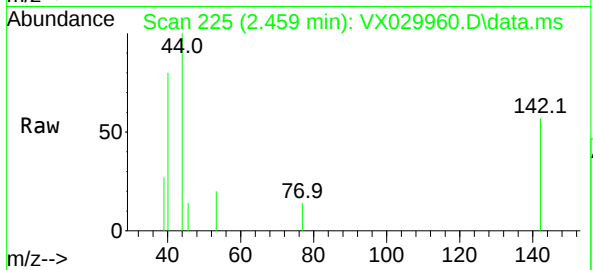




#10
Methyl Iodide
Concen: 2.007 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

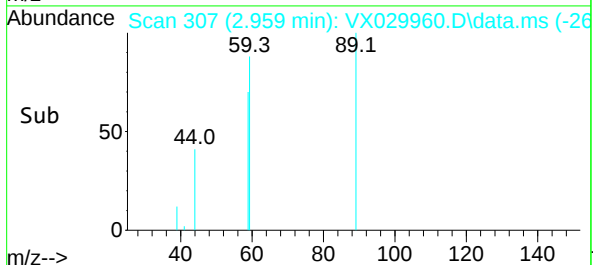
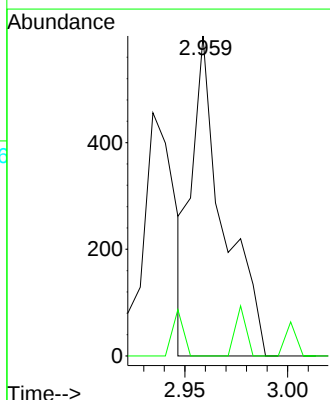
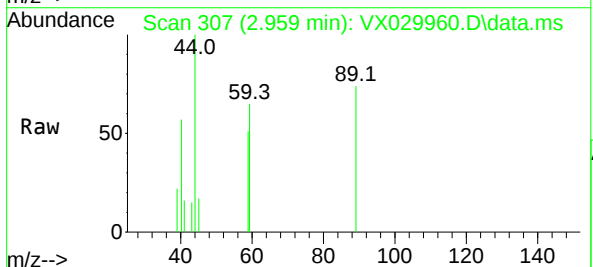
Instrument :
MSVOA_X
ClientSampleId :
MW-05

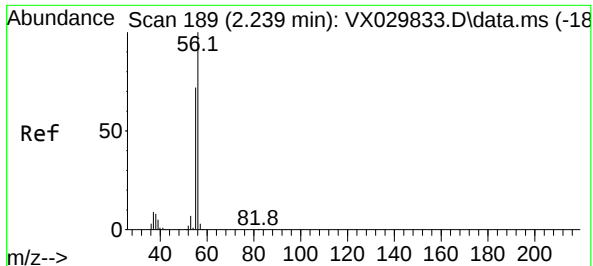
Tgt Ion:142 Resp: 367
Ion Ratio Lower Upper
142 100
127 25.9 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.995 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.036 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 59 Resp: 633
Ion Ratio Lower Upper
59 100
57 5.1 7.4 11.2#

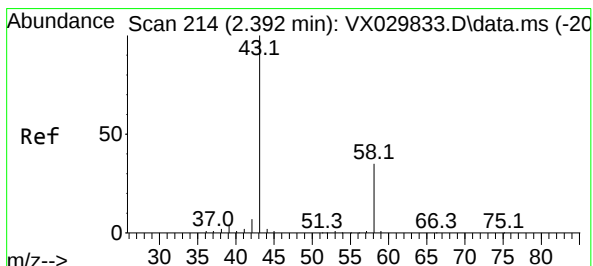
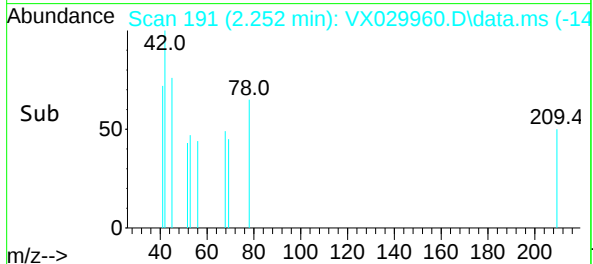
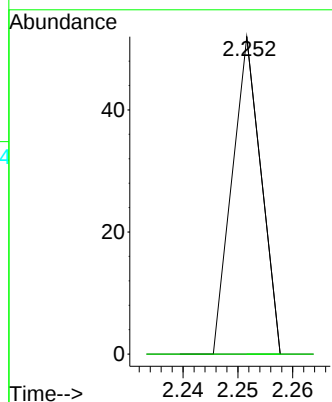
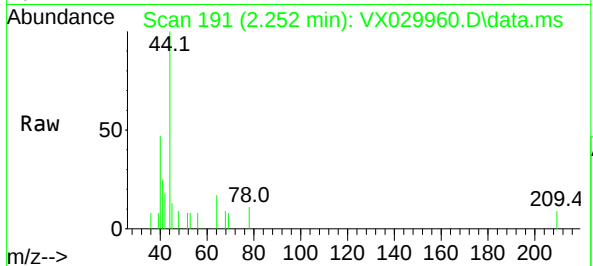




#13
Acrolein
Concen: Below Cal
RT: 2.252 min Scan# 19
Delta R.T. 0.013 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

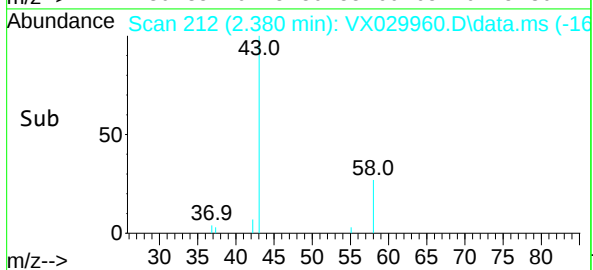
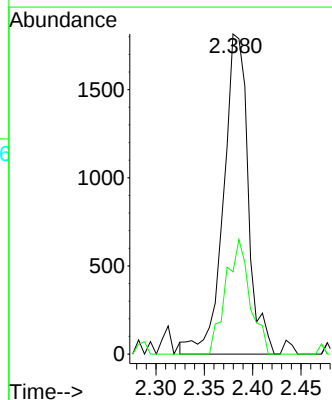
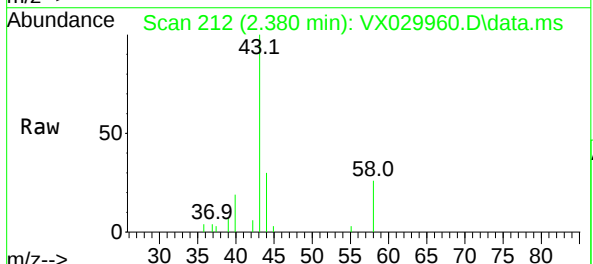
Instrument :
MSVOA_X
ClientSampleId :
MW-05

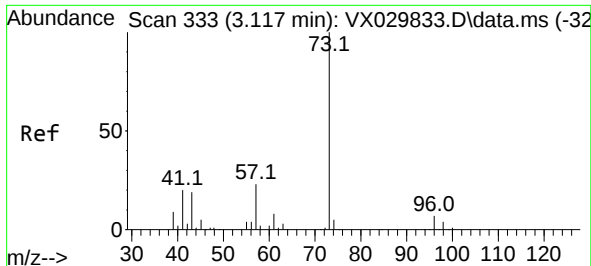
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 2.703 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 43 Resp: 3216
Ion Ratio Lower Upper
43 100
58 25.7 27.7 41.5#

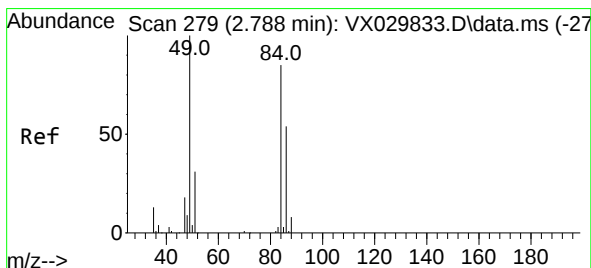
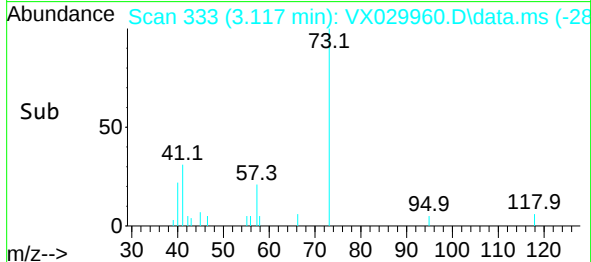
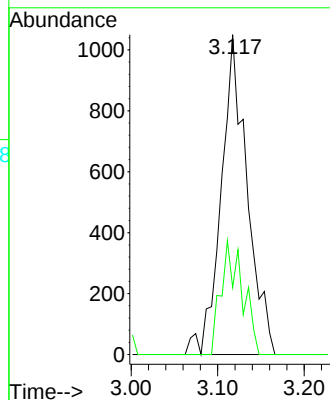
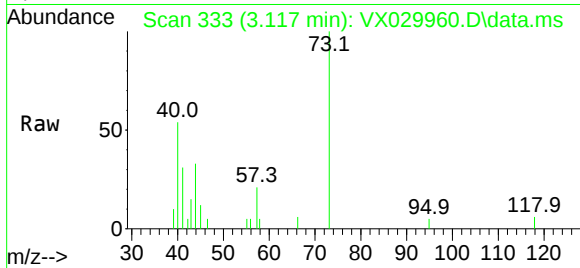




#19
Methyl tert-butyl Ether
Concen: 0.328 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

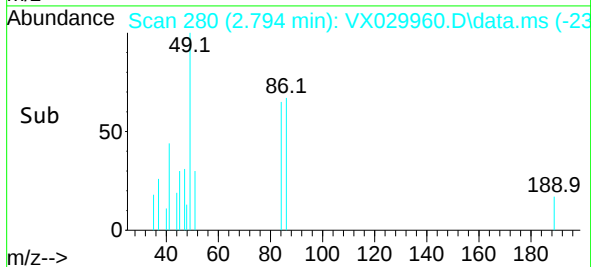
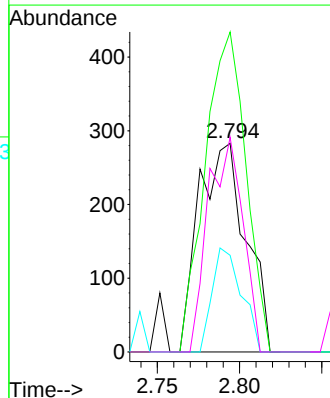
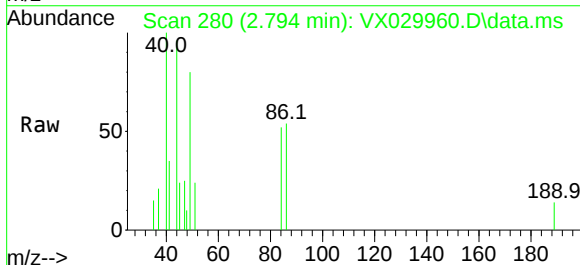
Instrument :
MSVOA_X
ClientSampleId :
MW-05

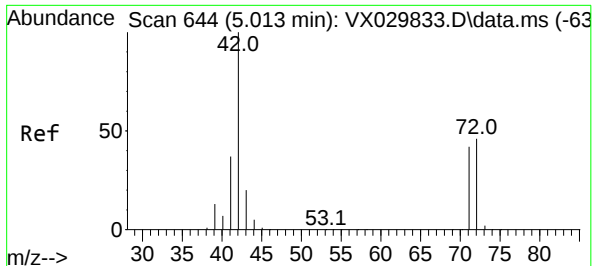
Tgt Ion: 73 Resp: 2191
Ion Ratio Lower Upper
73 100
57 21.0 19.0 28.6



#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 153.4 93.8 140.6#
51 46.3 29.4 44.0#
86 102.8 51.0 76.4#





#29

Tetrahydrofuran

Concen: 0.322 ug/l

RT: 5.026 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX029960.D

Acq: 07 Jul 2022 17:14

Instrument :

MSVOA_X

ClientSampleId :

MW-05

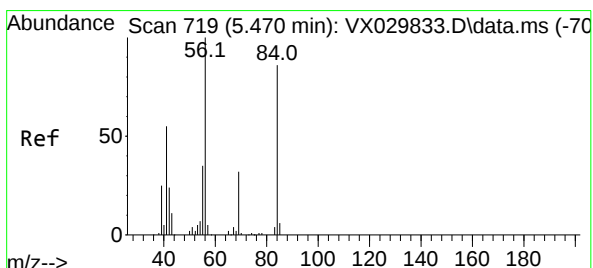
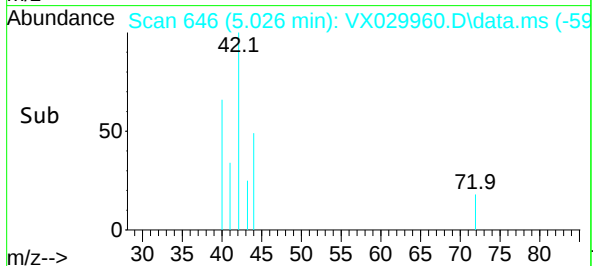
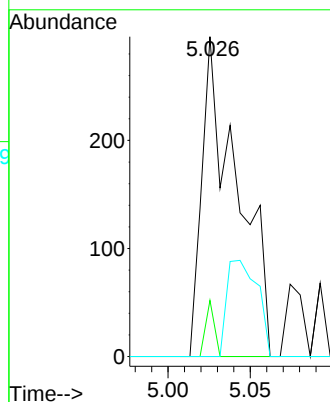
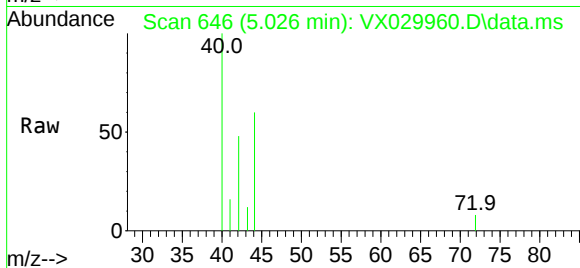
Tgt Ion: 42 Resp: 438

Ion Ratio Lower Upper

42 100

72 4.3 36.5 54.7#

71 26.3 33.9 50.9#



#31

Cyclohexane

Concen: 0.312 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX029960.D

Acq: 07 Jul 2022 17:14

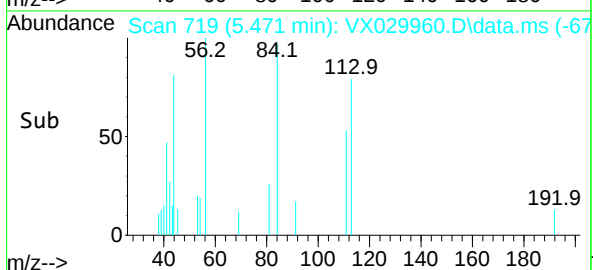
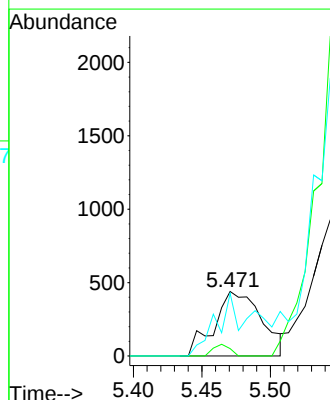
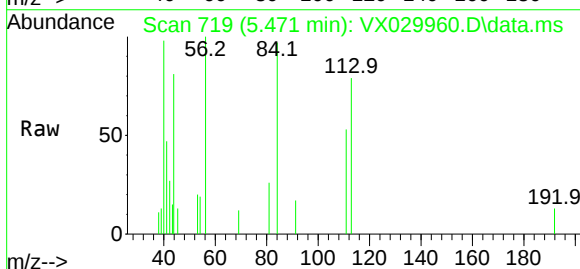
Tgt Ion: 56 Resp: 1057

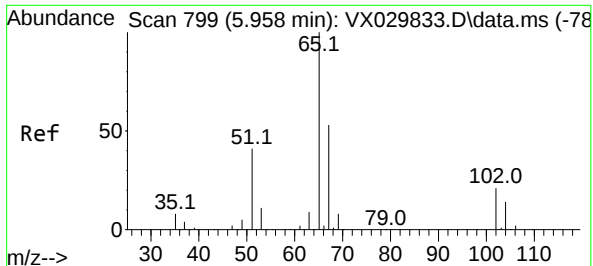
Ion Ratio Lower Upper

56 100

69 11.6 25.4 38.0#

84 97.0 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 44.016 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029960.D

Acq: 07 Jul 2022 17:14

Instrument :

MSVOA_X

ClientSampleId :

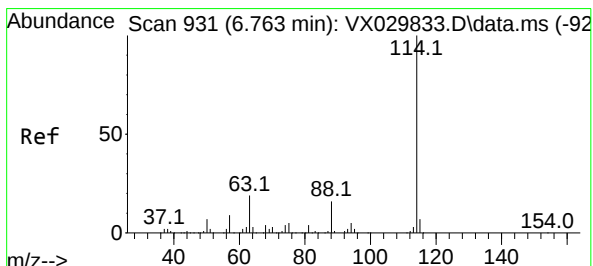
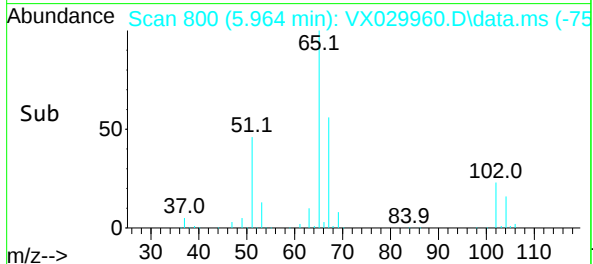
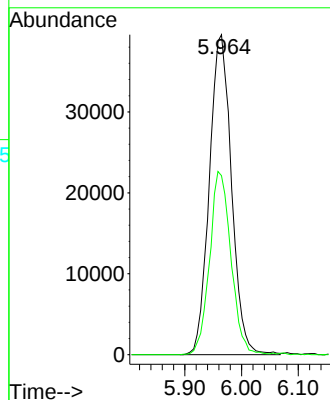
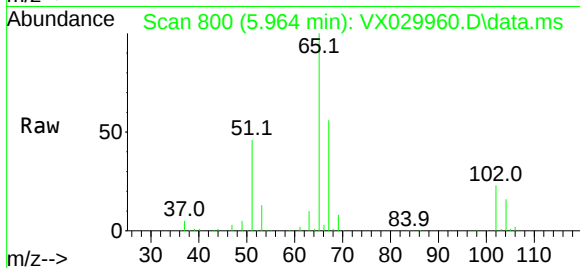
MW-05

Tgt Ion: 65 Resp: 107056

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029960.D

Acq: 07 Jul 2022 17:14

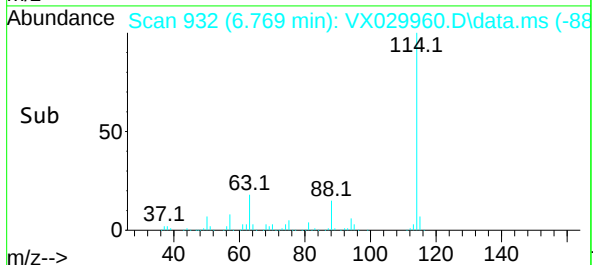
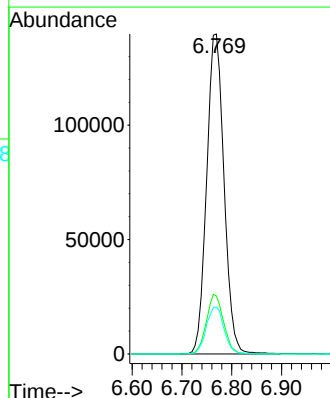
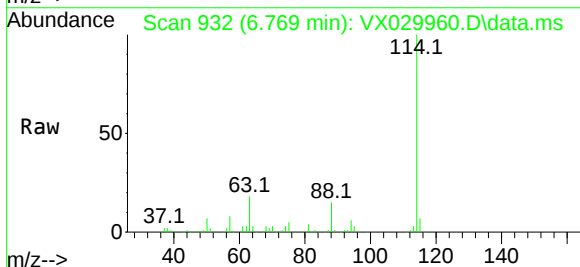
Tgt Ion: 114 Resp: 338381

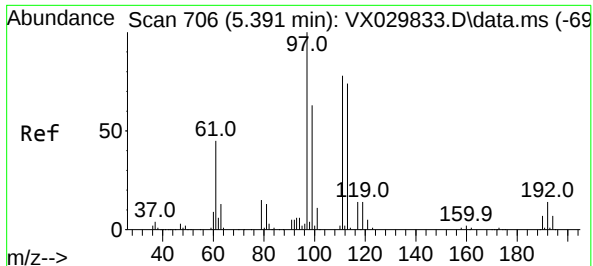
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.7 0.0 31.8

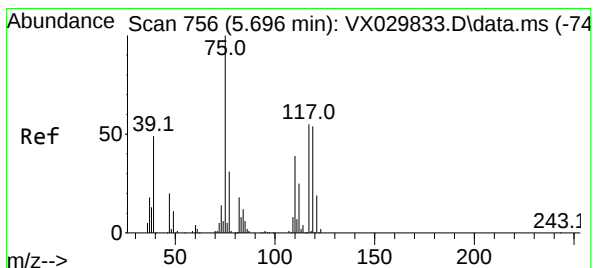
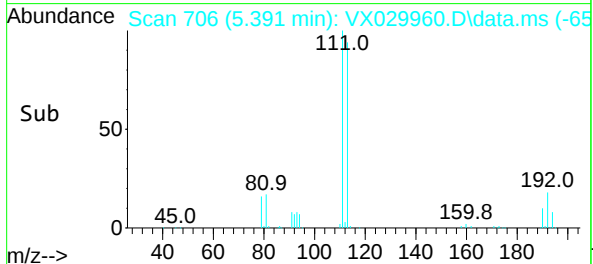
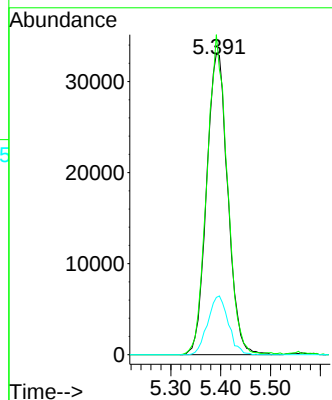
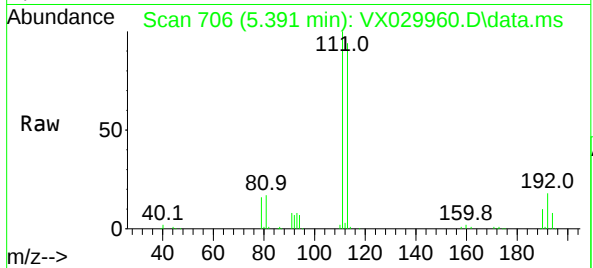




#35
Dibromofluoromethane
Concen: 46.287 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

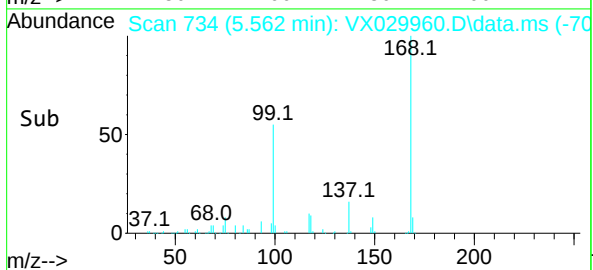
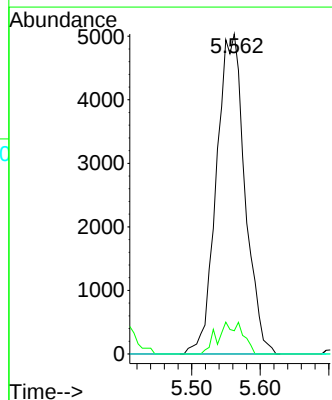
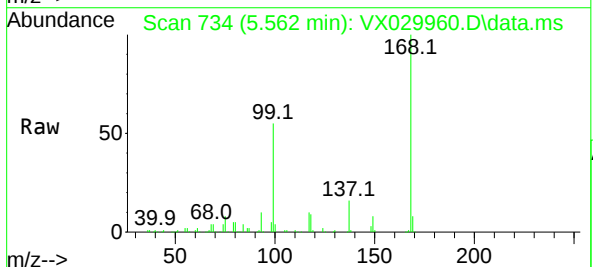
Instrument :
MSVOA_X
ClientSampleId :
MW-05

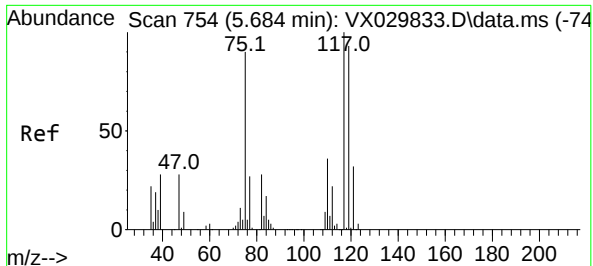
Tgt Ion:113 Resp: 97883
Ion Ratio Lower Upper
113 100
111 101.3 83.2 124.8
192 18.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.158 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 75 Resp: 14507
Ion Ratio Lower Upper
75 100
110 8.7 19.3 57.9#
77 0.0 24.4 36.6#

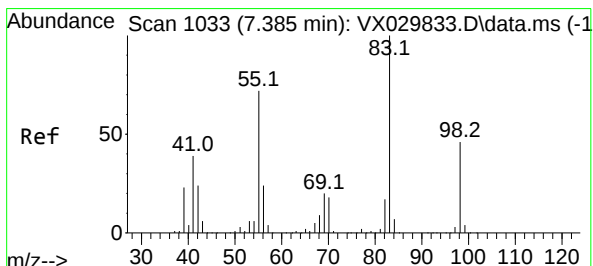
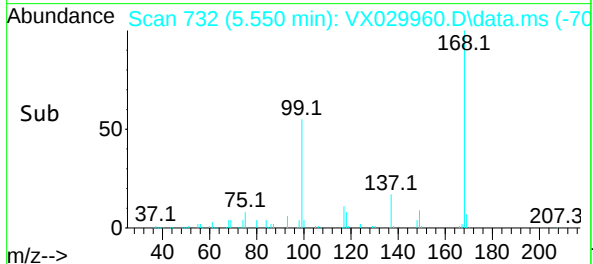
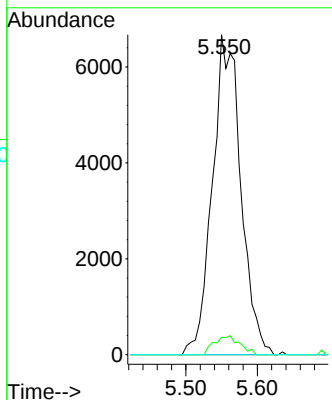
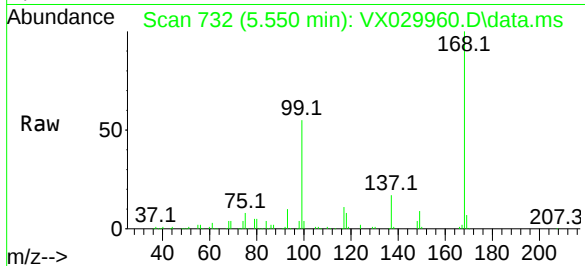




#38
Carbon Tetrachloride
Concen: 7.543 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

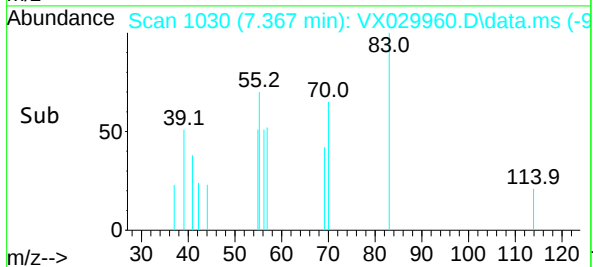
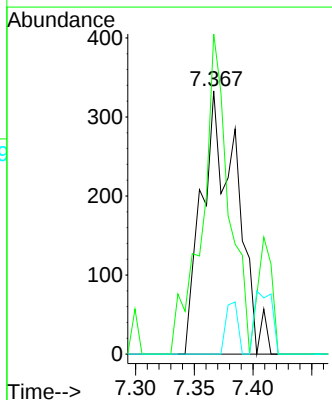
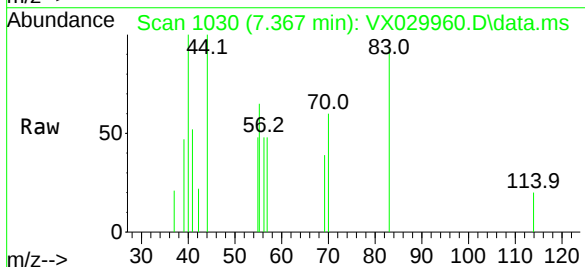
Instrument :
MSVOA_X
ClientSampleId :
MW-05

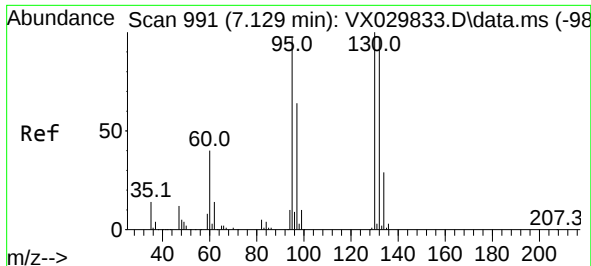
Tgt Ion:117 Resp: 18382
Ion Ratio Lower Upper
117 100
119 5.4 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.201 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.018 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 83 Resp: 683
Ion Ratio Lower Upper
83 100
55 121.6 57.7 86.5#
98 0.0 36.5 54.7#

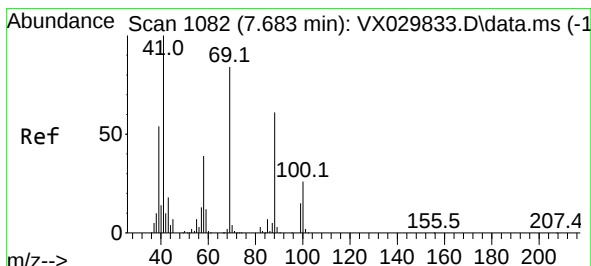
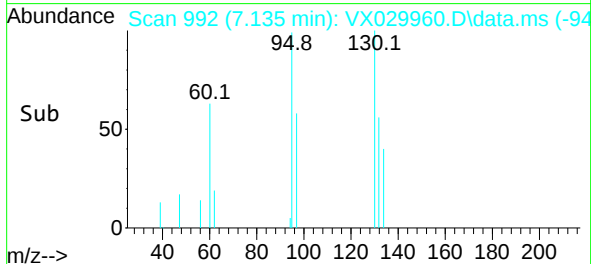
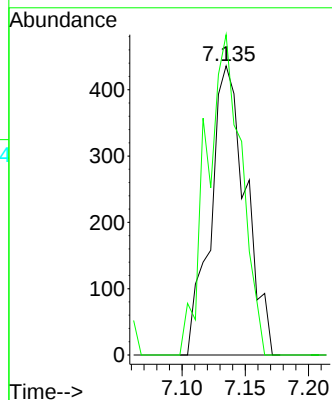
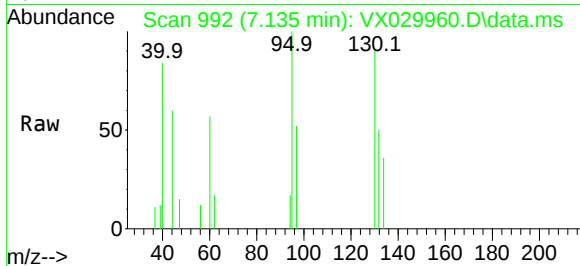




#44
Trichloroethene
Concen: 0.344 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

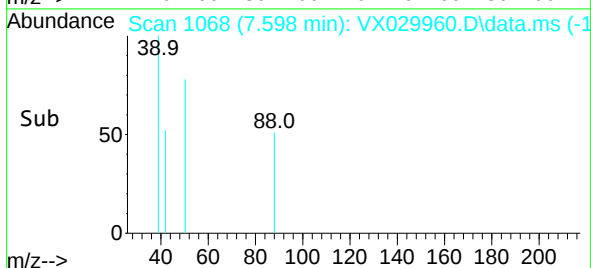
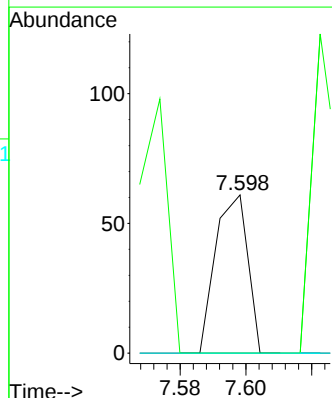
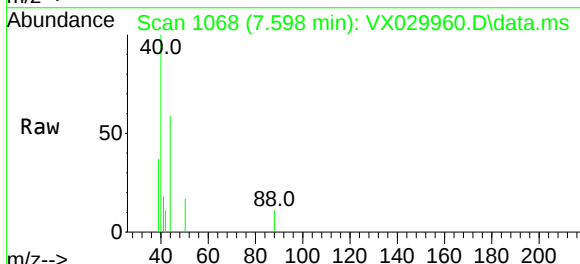
Instrument :
MSVOA_X
ClientSampleId :
MW-05

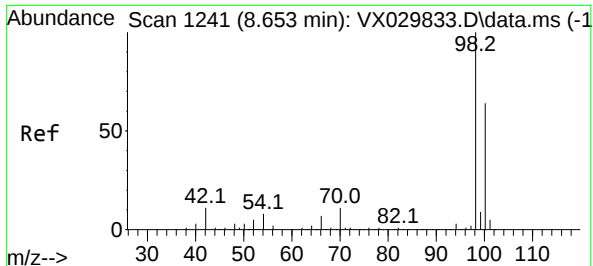
Tgt Ion:130 Resp: 843
Ion Ratio Lower Upper
130 100
95 110.8 0.0 194.8



#49
1,4-Dioxane
Concen: 0.630 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.085 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

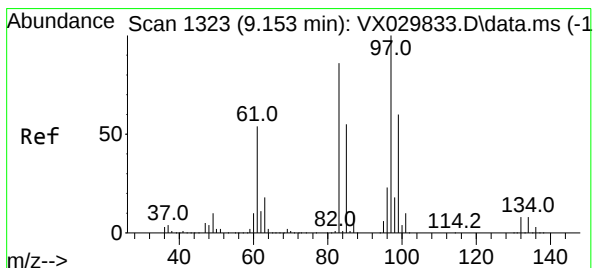
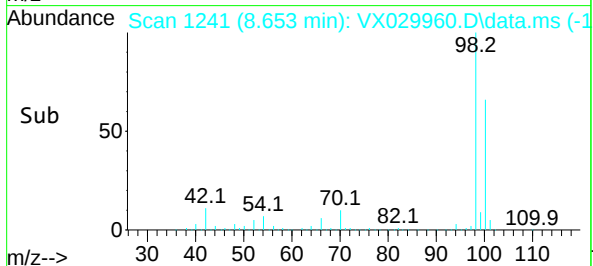
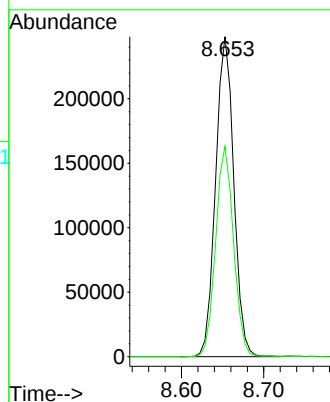
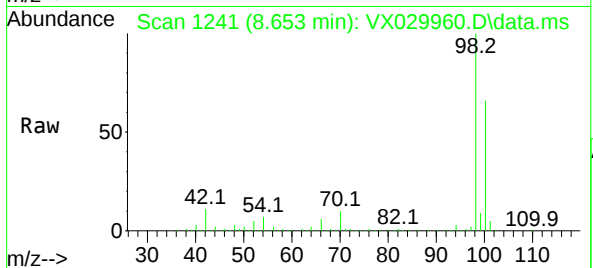




#50
Toluene-d8
Concen: 47.979 ug/l
RT: 8.653 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

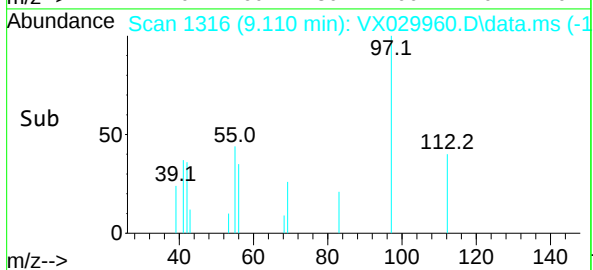
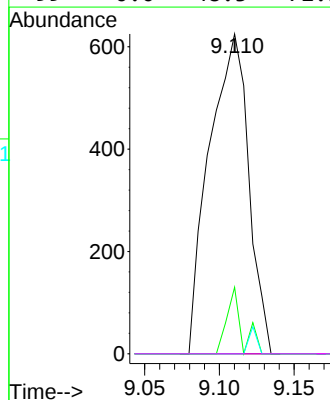
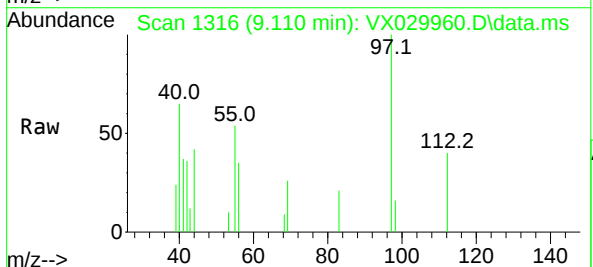
Instrument :
MSVOA_X
ClientSampleId :
MW-05

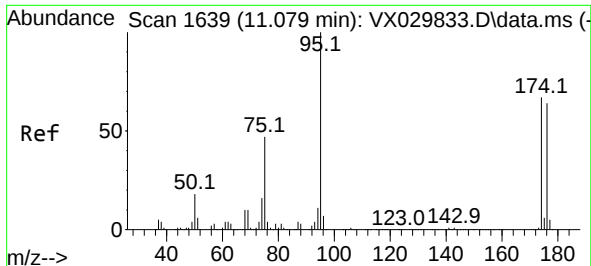
Tgt Ion: 98 Resp: 380633
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.477 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.043 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 97 Resp: 1141
Ion Ratio Lower Upper
97 100
83 20.8 68.9 103.3#
85 0.0 44.0 66.0#
99 0.0 48.3 72.5#

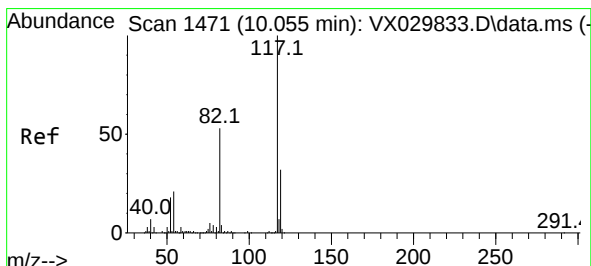
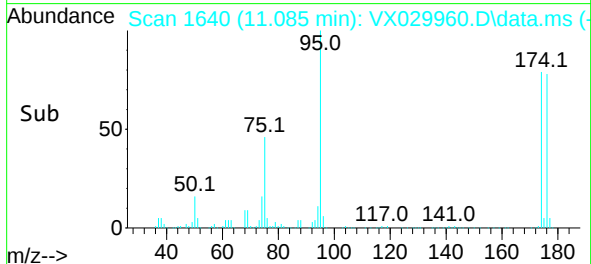
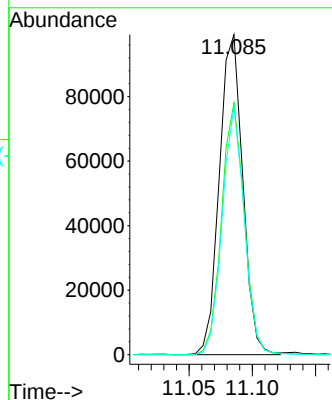
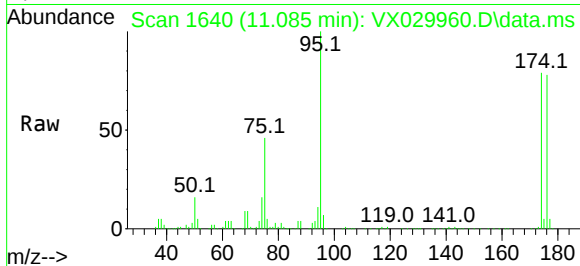




#62
4-Bromofluorobenzene
Concen: 45.450 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

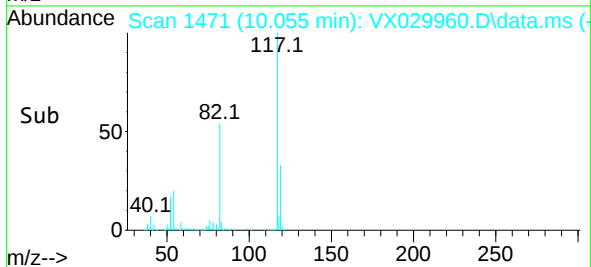
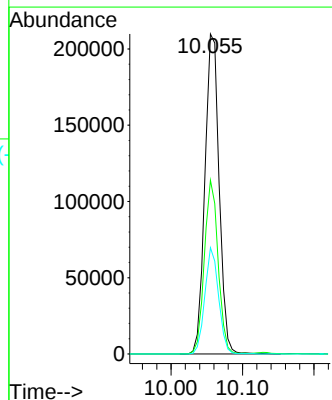
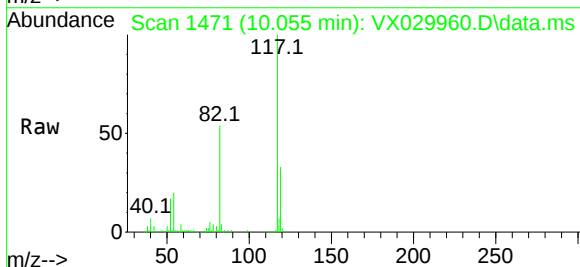
Instrument :
MSVOA_X
ClientSampleId :
MW-05

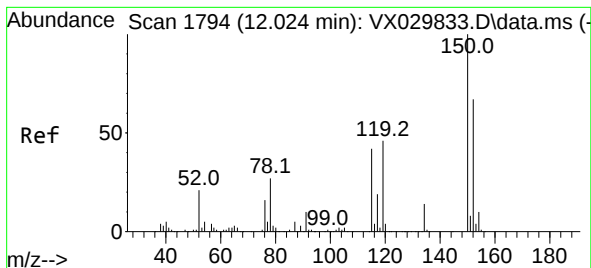
Tgt Ion: 95 Resp: 127454
Ion Ratio Lower Upper
95 100
174 76.5 0.0 149.0
176 73.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 117 Resp: 290614
Ion Ratio Lower Upper
117 100
82 54.3 42.7 64.1
119 33.2 25.4 38.2

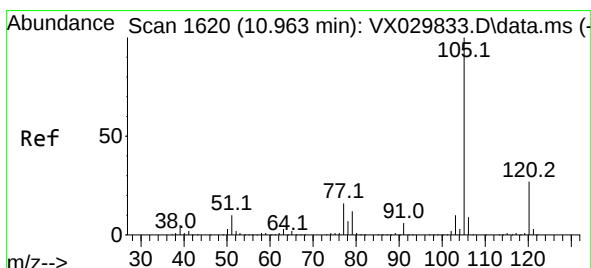
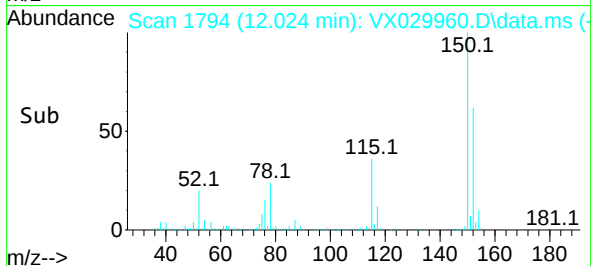
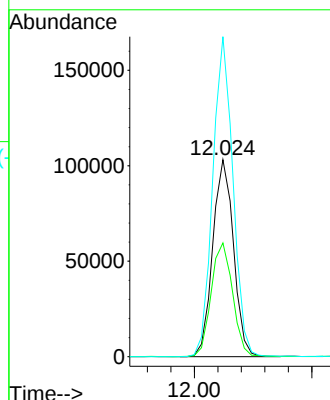
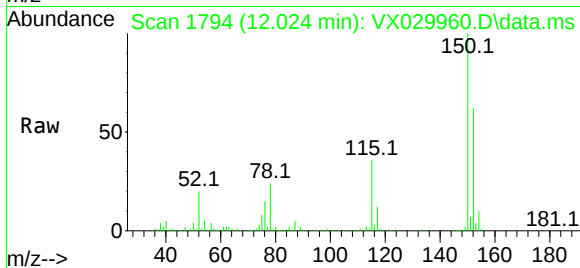




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

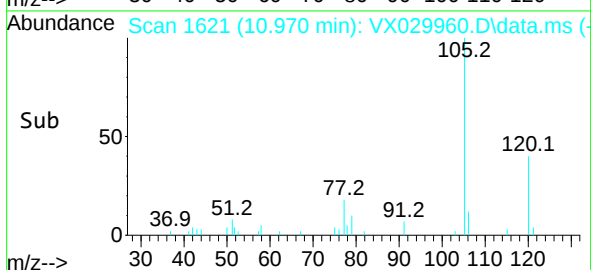
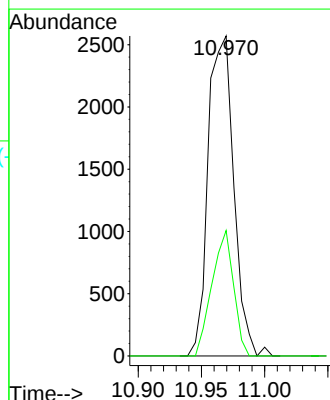
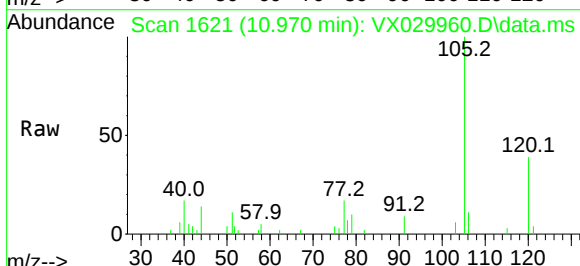
Instrument :
MSVOA_X
ClientSampleId :
MW-05

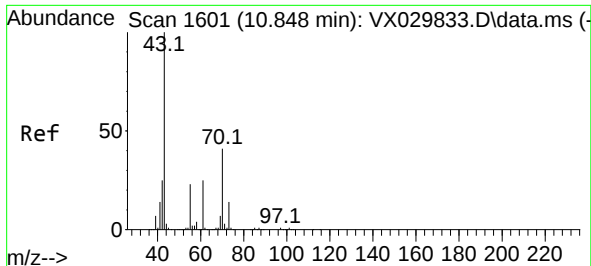
Tgt Ion:152 Resp: 126849
Ion Ratio Lower Upper
152 100
115 59.7 40.5 121.5
150 157.7 0.0 347.0



#73
Isopropylbenzene
Concen: 0.395 ug/l
RT: 10.970 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion:105 Resp: 3630
Ion Ratio Lower Upper
105 100
120 32.9 13.5 40.4

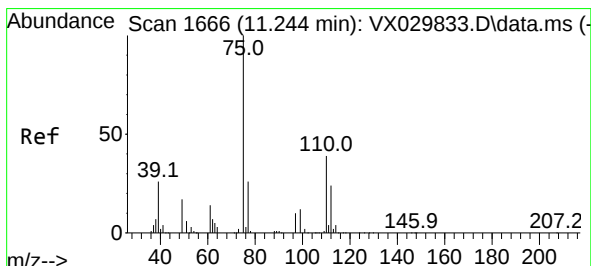
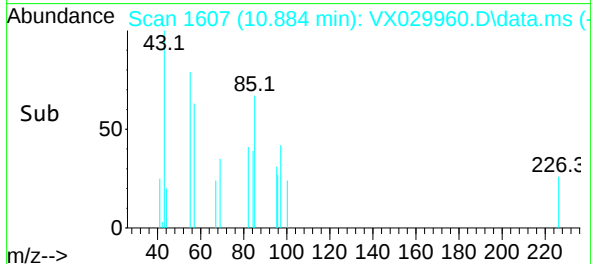
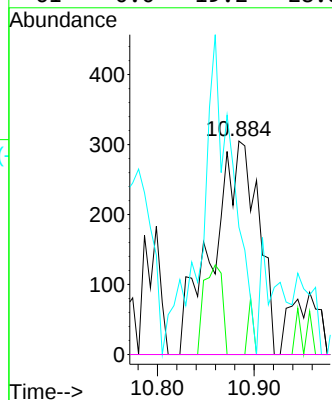
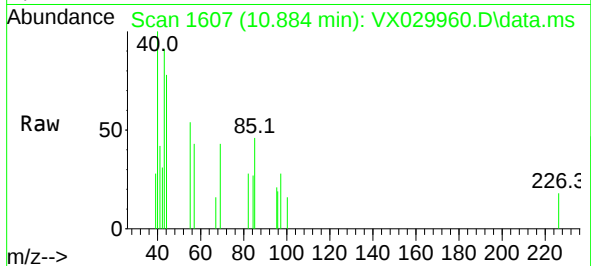




#74
N-amy1 acetate
Concen: 0.221 ug/l
RT: 10.884 min Scan# 1
Delta R.T. 0.037 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

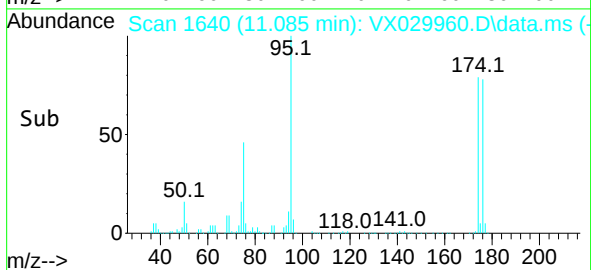
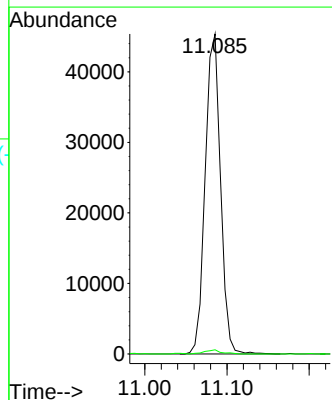
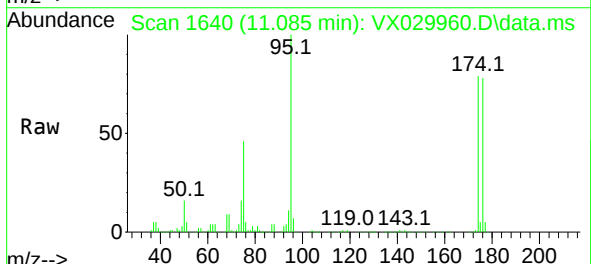
Instrument :
MSVOA_X
ClientSampleId :
MW-05

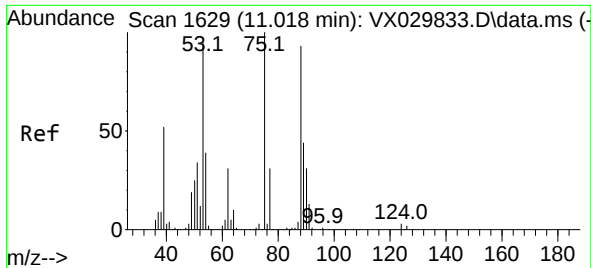
Tgt Ion: 43	Resp: 1004
Ion Ratio	Lower Upper
43	100
70	0.0 32.3 48.5#
55	0.0 18.4 27.6#
61	0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 19.317 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion: 75	Resp: 58657
Ion Ratio	Lower Upper
75	100
77	1.4 19.8 59.3#

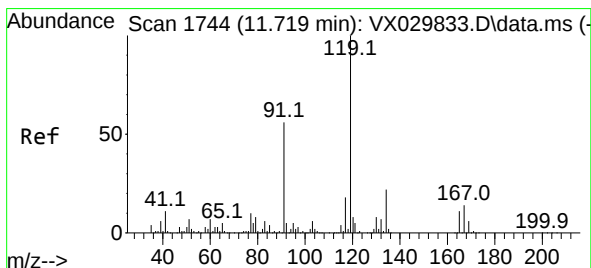
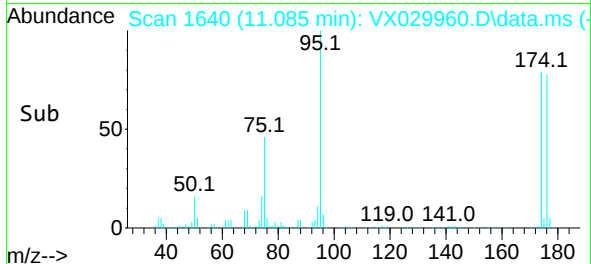
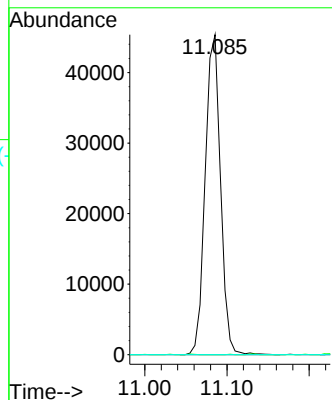
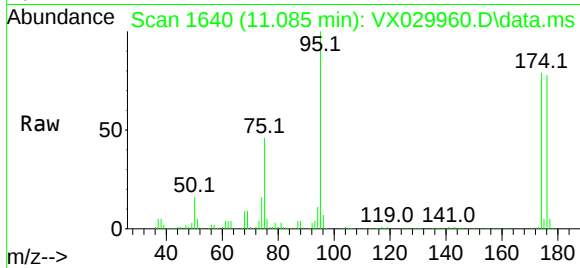




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.345 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029960.D
 Acq: 07 Jul 2022 17:14

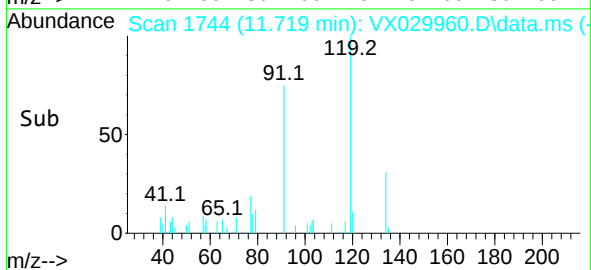
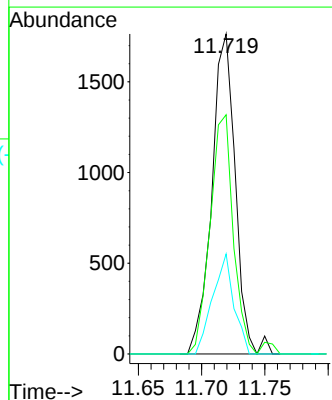
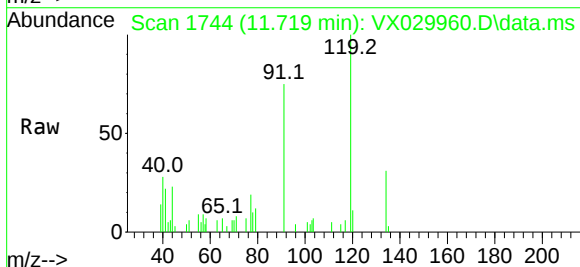
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-05

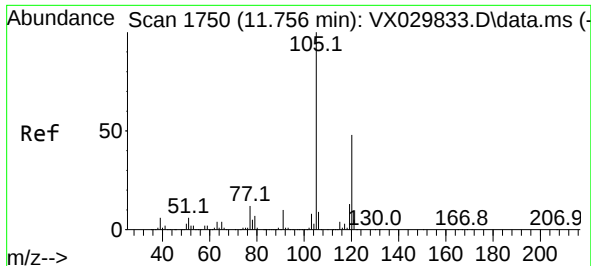
Tgt Ion: 75 Resp: 58657
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#



#83
 tert-Butylbenzene
 Concen: 0.302 ug/l
 RT: 11.719 min Scan# 1744
 Delta R.T. 0.000 min
 Lab File: VX029960.D
 Acq: 07 Jul 2022 17:14

Tgt Ion: 119 Resp: 2281
 Ion Ratio Lower Upper
 119 100
 91 73.3 28.3 84.9
 134 28.1 11.2 33.5

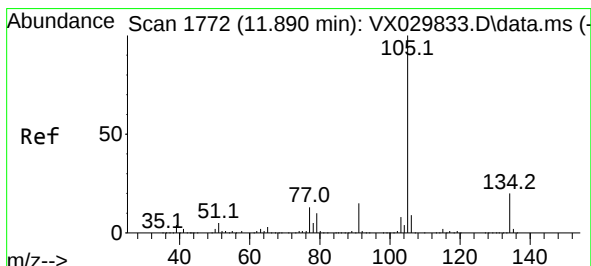
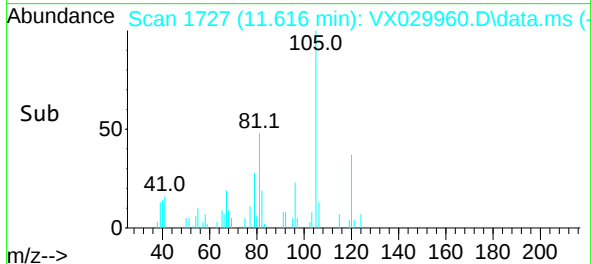
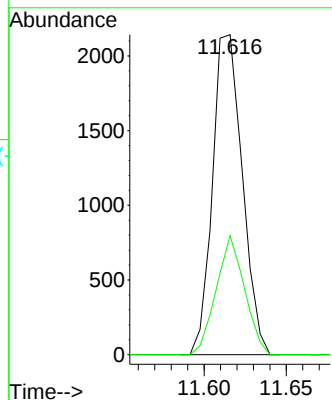
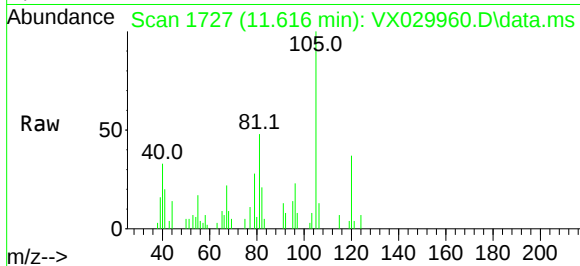




#84
1,2,4-Trimethylbenzene
Concen: 0.354 ug/l
RT: 11.616 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

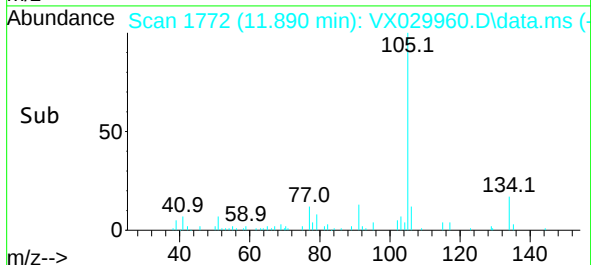
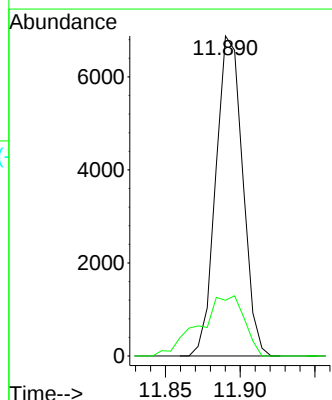
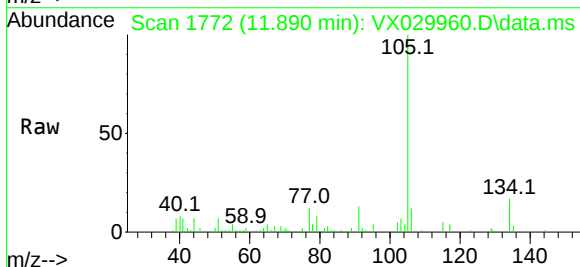
Instrument :
MSVOA_X
ClientSampleId :
MW-05

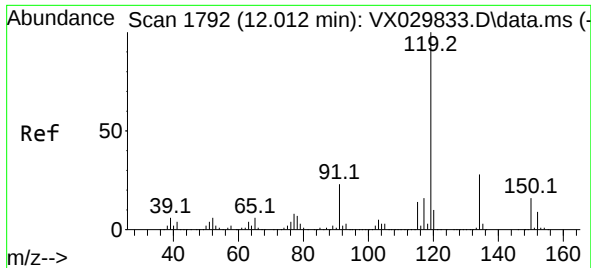
Tgt Ion:105 Resp: 2700
Ion Ratio Lower Upper
105 100
120 35.3 22.9 68.8



#85
sec-Butylbenzene
Concen: 0.903 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion:105 Resp: 8594
Ion Ratio Lower Upper
105 100
134 31.4 10.0 30.0#

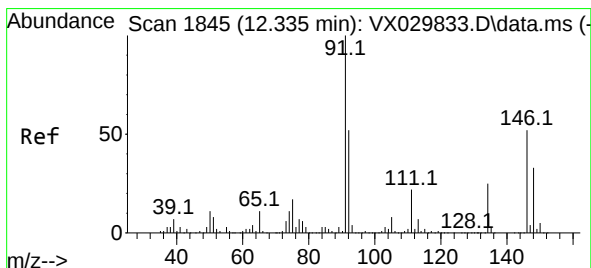
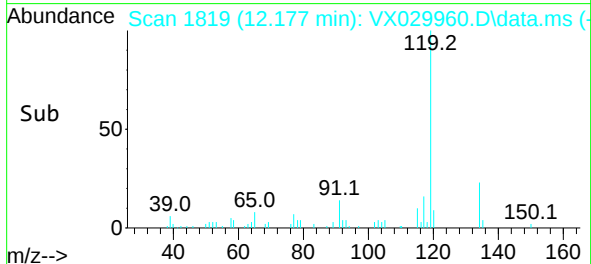
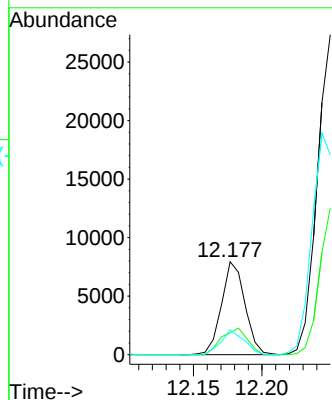
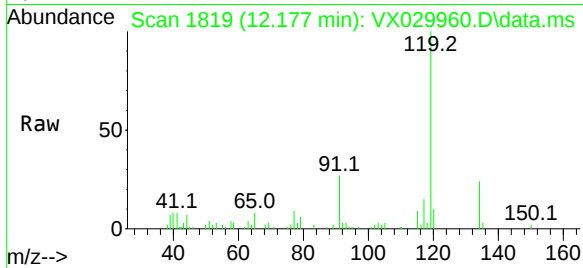




#86
p-Isopropyltoluene
Concen: 1.242 ug/l
RT: 12.177 min Scan# 119
Delta R.T. 0.165 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

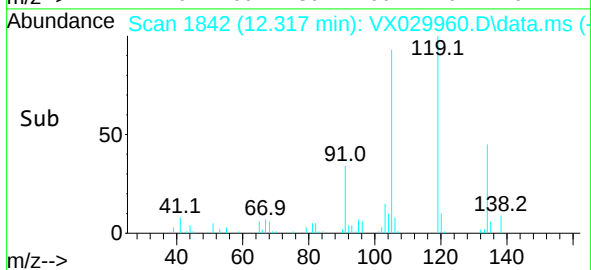
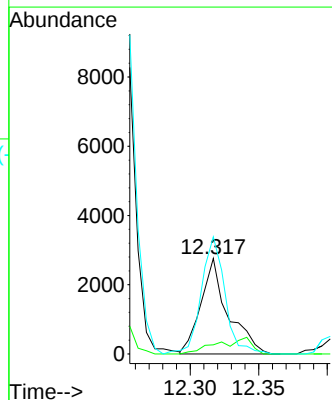
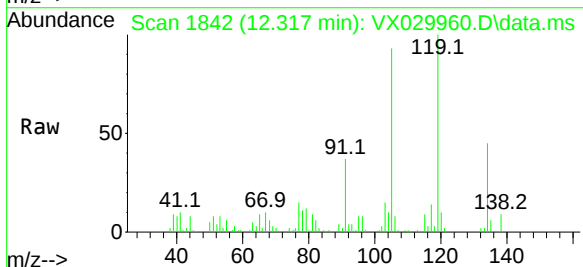
Instrument :
MSVOA_X
ClientSampleId :
MW-05

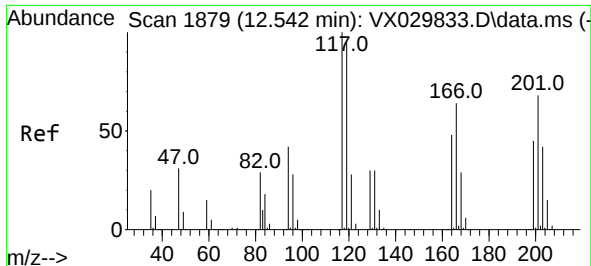
Tgt Ion:	119	Resp:	9435
Ion Ratio	Lower	Upper	
119	100		
134	31.4	13.9	41.6
91	26.5	11.8	35.3



#89
n-Butylbenzene
Concen: 0.532 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion:	91	Resp:	3801
Ion Ratio	Lower	Upper	
91	100		
92	0.0	26.2	78.5#
134	107.2	12.6	37.8#

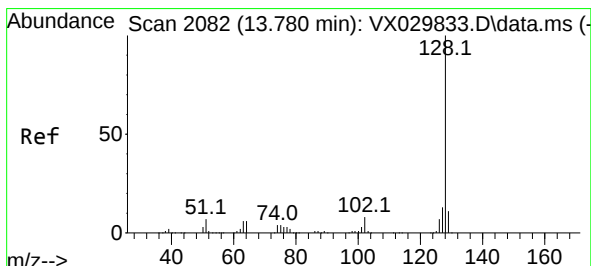
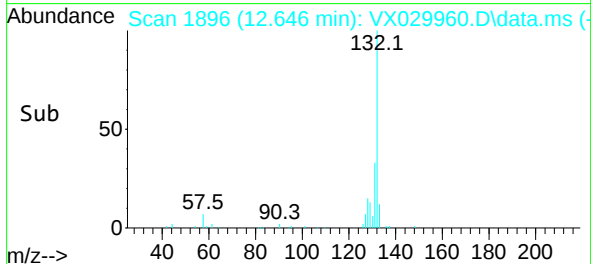
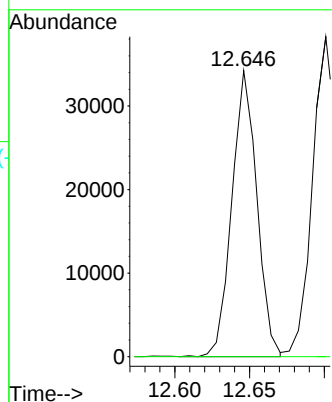
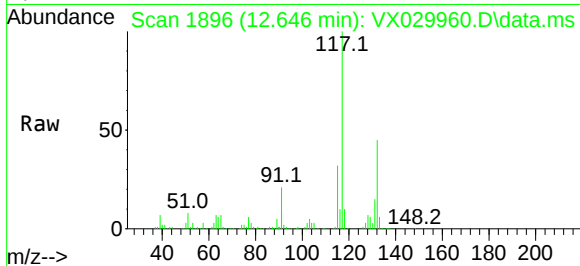




#90
Hexachloroethane
Concen: 32.051 ug/l
RT: 12.646 min Scan# 1879
Delta R.T. 0.104 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Instrument :
MSVOA_X
ClientSampleId :
MW-05

Tgt Ion:117 Resp: 39711
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#



#95
Naphthalene
Concen: 0.538 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX029960.D
Acq: 07 Jul 2022 17:14

Tgt Ion:128 Resp: 5512
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 0.0 8.6 13.0#

