

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103122\
 Data File : VX032493.D
 Acq On : 31 Oct 2022 17:17
 Operator : JC/MD
 Sample : N5340-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7-102722

Quant Time: Nov 01 05:12:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

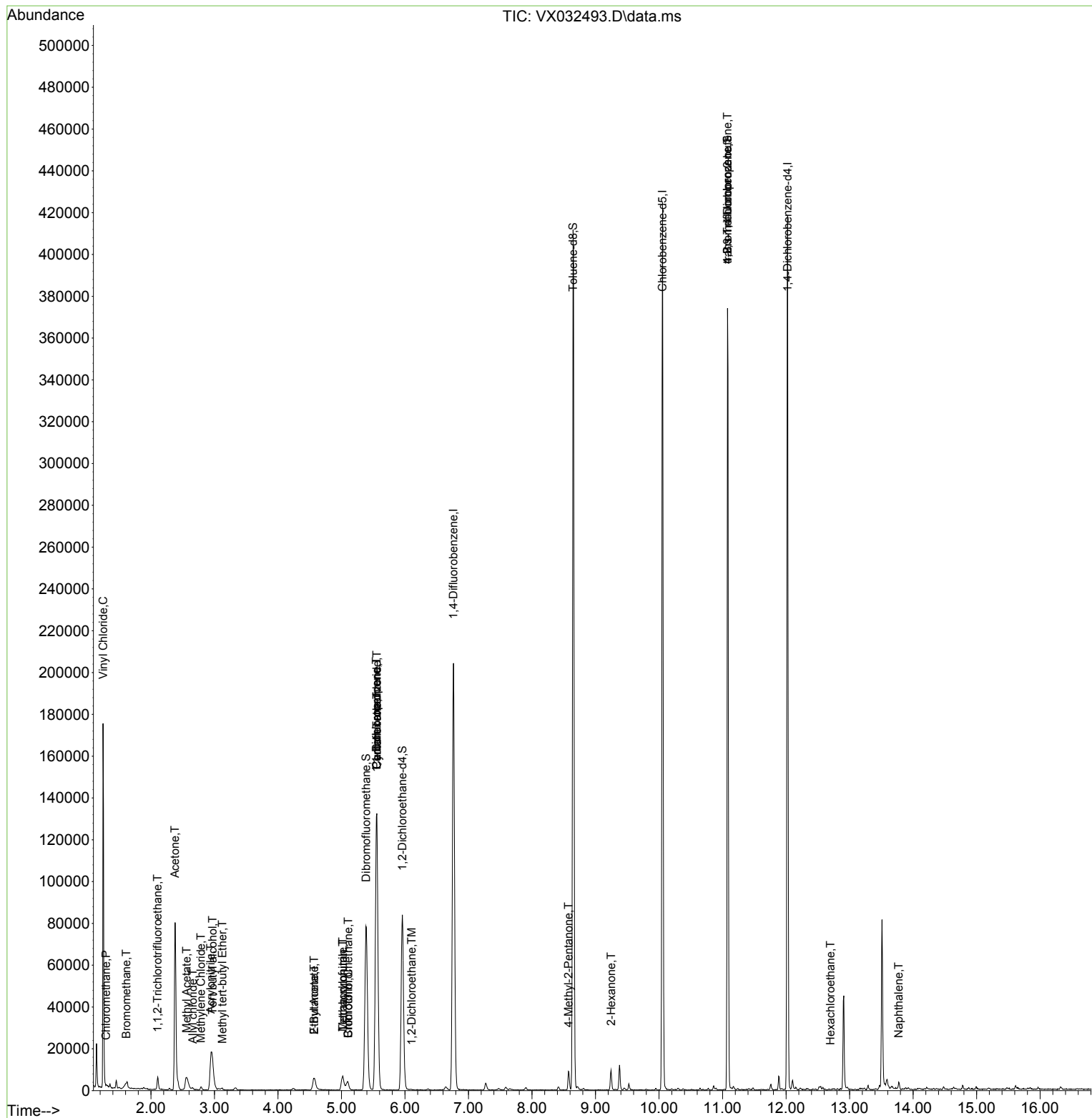
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

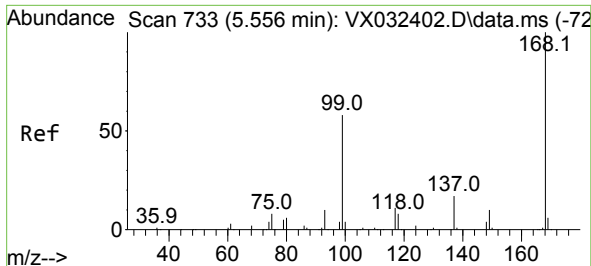
Internal Standards						
1) Pentafluorobenzene	5.556	168	125664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203722	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82948	47.506	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.020%
35) Dibromofluoromethane	5.385	113	66315	45.635	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.260%
50) Toluene-d8	8.647	98	238724	47.244	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.480%
62) 4-Bromofluorobenzene	11.079	95	92445	46.836	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.680%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	298	0.243	ug/l	90
4) Vinyl Chloride	1.246	62	1314	0.974	ug/l #	42
5) Bromomethane	1.611	94	218	0.202	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.105	101	305	0.226	ug/l #	17
11) Tert butyl alcohol	2.971	59	24444	96.184	ug/l #	94
14) Allyl chloride	2.660	41	1008	0.502	ug/l #	36
15) Acrylonitrile	2.941	53	192	0.278	ug/l #	17
16) Acetone	2.380	43	87041	137.156	ug/l	99
18) Methyl Acetate	2.563	43	4171	2.021	ug/l #	51
19) Methyl tert-butyl Ether	3.123	73	941	0.212	ug/l #	91
20) Methylene Chloride	2.788	84	733	0.504	ug/l #	68
25) 2-Butanone	4.568	43	5312	5.403	ug/l	94
28) Bromochloromethane	5.105	49	327	0.367	ug/l #	9
29) Tetrahydrofuran	5.019	42	6380	10.176	ug/l	97
30) Chloroform	5.105	83	4619	1.684	ug/l	99
31) Cyclohexane	5.556	56	2734	1.291	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	9808	4.847	ug/l #	50
37) Ethyl Acetate	4.568	43	5312	2.522	ug/l #	69
38) Carbon Tetrachloride	5.556	117	13102	5.838	ug/l #	15
41) Methacrylonitrile	5.019	41	3820	3.560	ug/l #	45
42) 1,2-Dichloroethane	6.105	62	478	0.204	ug/l #	77
51) 4-Methyl-2-Pentanone	8.574	43	5504	2.702	ug/l	93
59) 2-Hexanone	9.244	43	5372	3.554	ug/l	69
76) 1,2,3-Trichloropropane	11.079	75	51143	27.145	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	51143	86.378	ug/l #	6
90) Hexachloroethane	12.701	117	203	0.213	ug/l #	12
95) Naphthalene	13.774	128	2233	0.336	ug/l	99

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

Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

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ClientSampleId :
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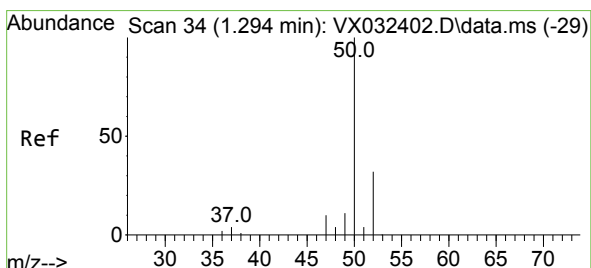
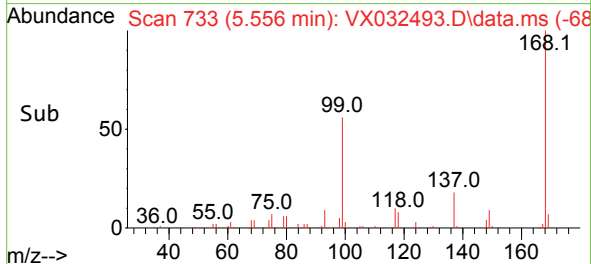
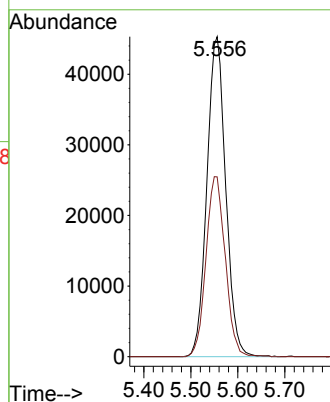
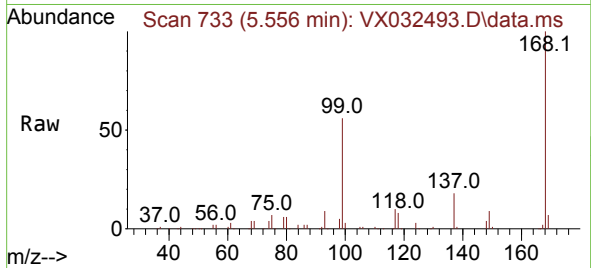




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

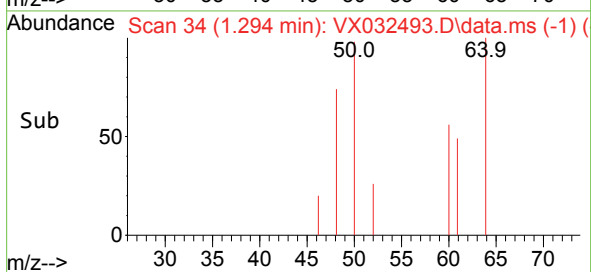
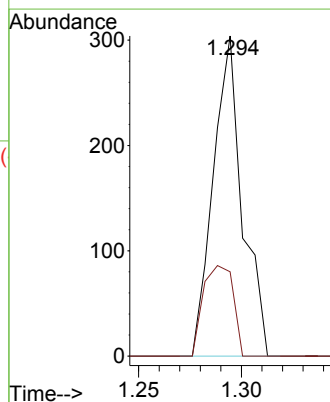
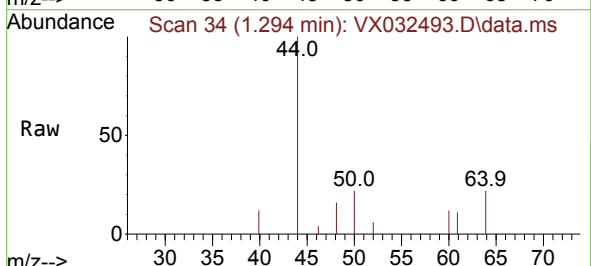
Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

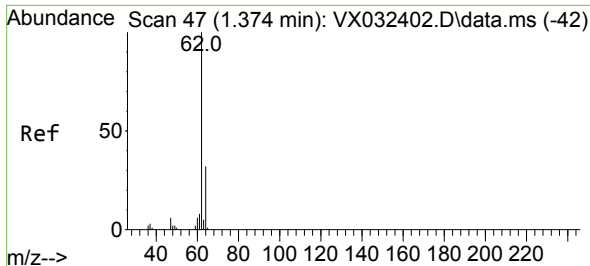
Tgt Ion:168 Resp: 125664
Ion Ratio Lower Upper
168 100
99 56.2 46.1 69.1



#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion: 50 Resp: 298
Ion Ratio Lower Upper
50 100
52 26.3 25.4 38.2

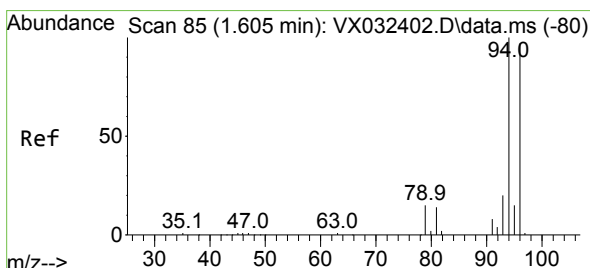
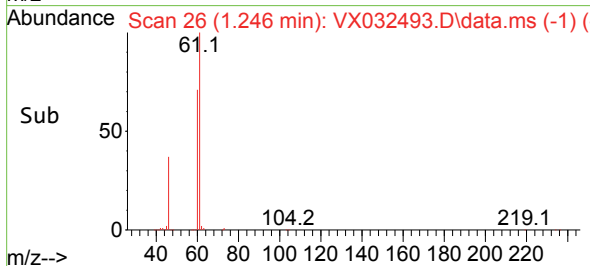
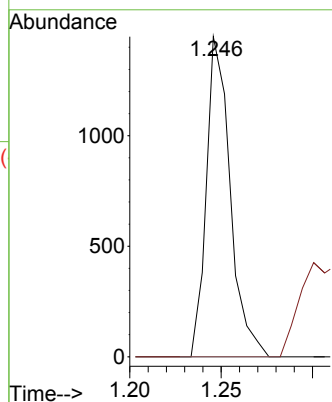
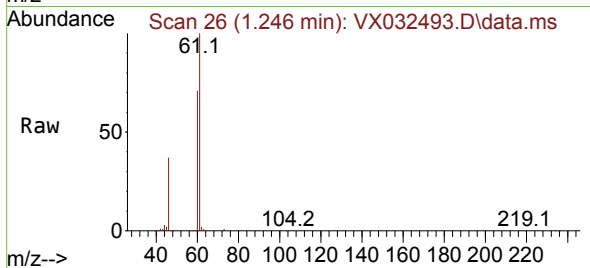




#4
 Vinyl Chloride
 Concen: 0.974 ug/l
 RT: 1.246 min Scan# 21
 Delta R.T. -0.128 min
 Lab File: VX032493.D
 Acq: 31 Oct 2022 17:17

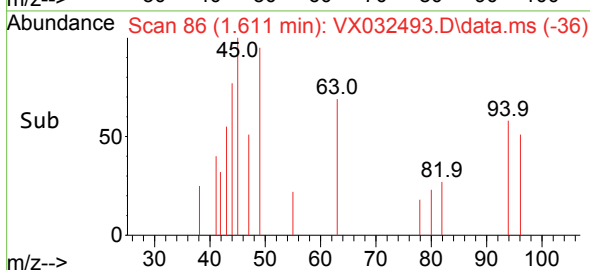
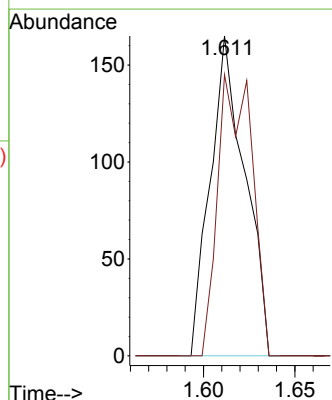
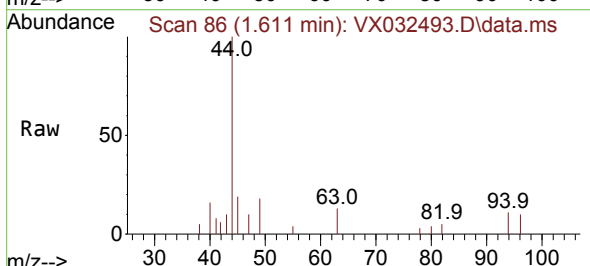
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7-102722

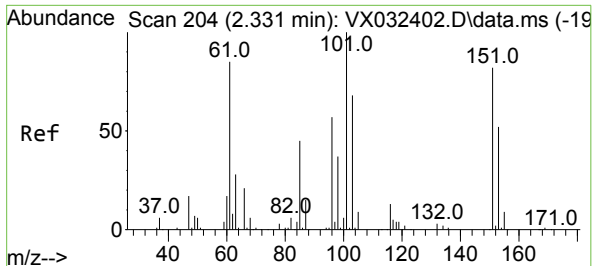
Tgt Ion: 62 Resp: 1314
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.8 38.6#



#5
 Bromomethane
 Concen: 0.202 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX032493.D
 Acq: 31 Oct 2022 17:17

Tgt Ion: 94 Resp: 218
 Ion Ratio Lower Upper
 94 100
 96 87.9 77.6 116.4

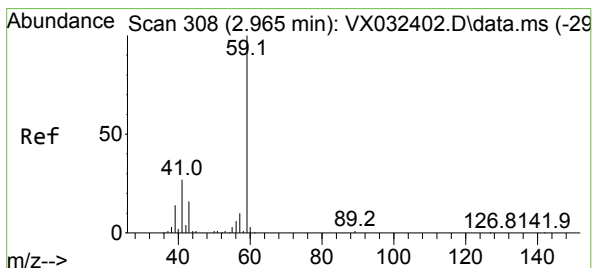
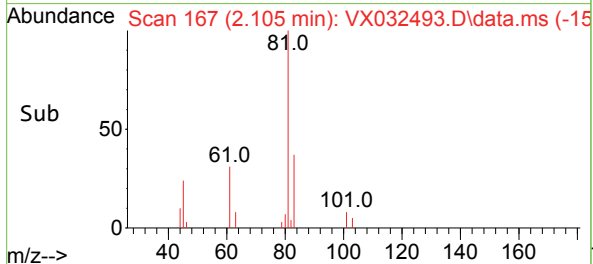
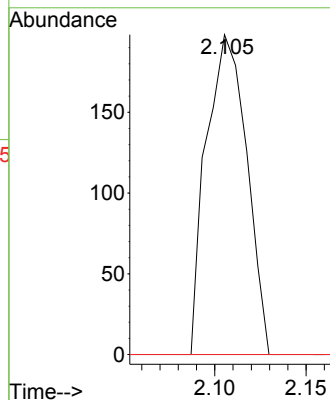
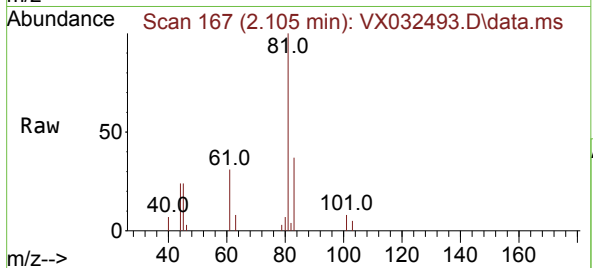




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.226 ug/l
RT: 2.105 min Scan# 1
Delta R.T. -0.225 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

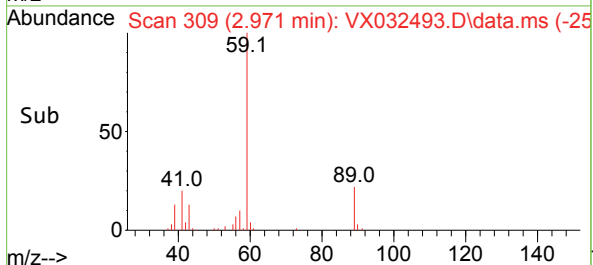
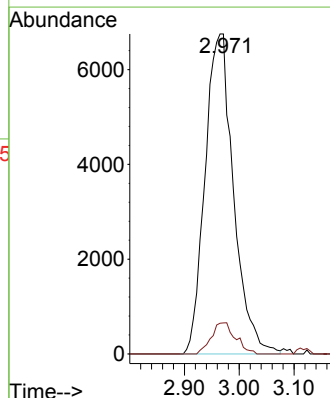
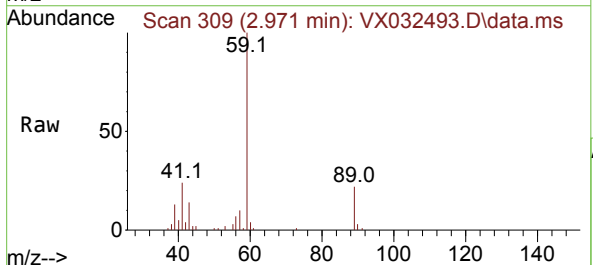
Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

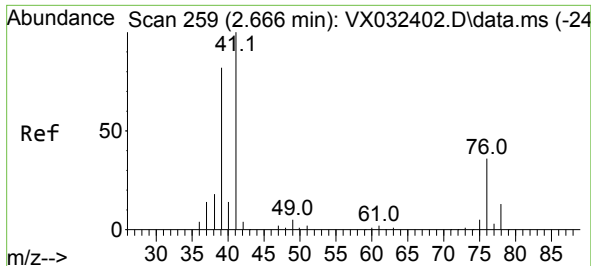
Tgt Ion:101 Resp: 305
Ion Ratio Lower Upper
101 100
85 0.0 37.0 55.4#
151 0.0 64.4 96.6#



#11
Tert butyl alcohol
Concen: 96.184 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.006 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion: 59 Resp: 24444
Ion Ratio Lower Upper
59 100
57 8.2 8.2 12.4#

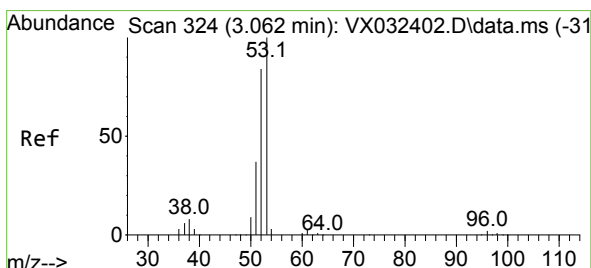
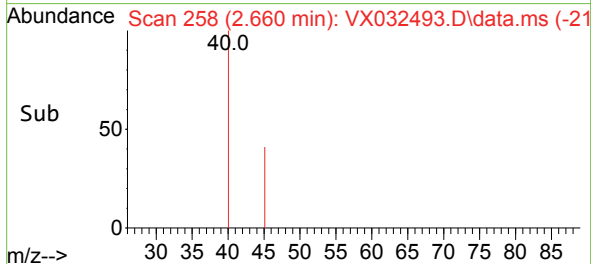
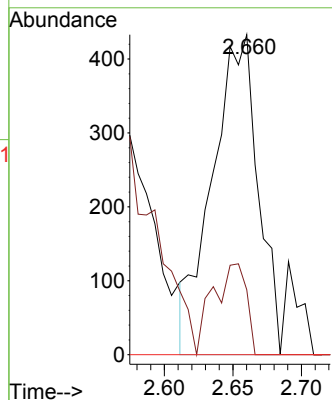
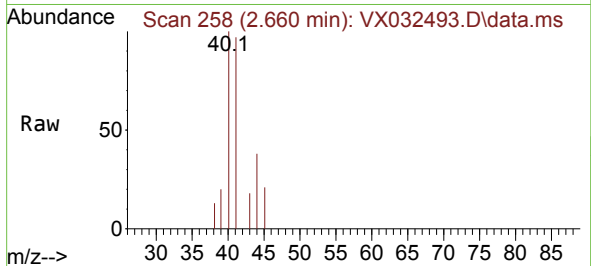




#14
 Allyl chloride
 Concen: 0.502 ug/l
 RT: 2.660 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX032493.D
 Acq: 31 Oct 2022 17:17

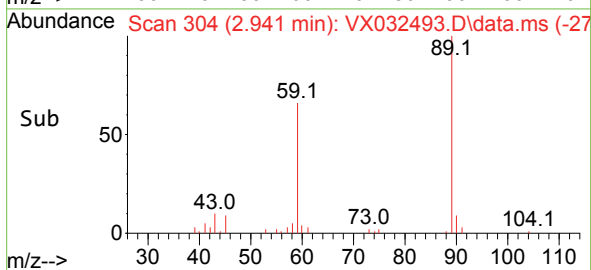
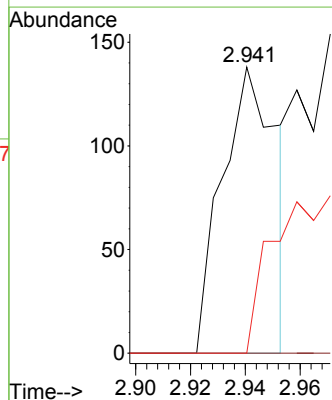
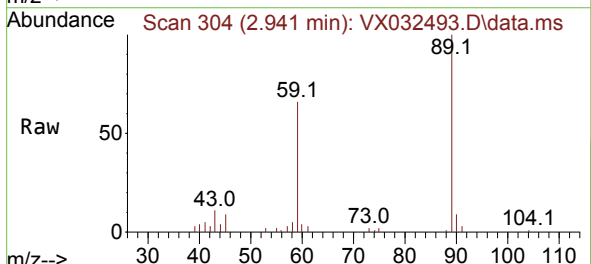
Instrument :
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 ClientSampleId :
 MW-7-102722

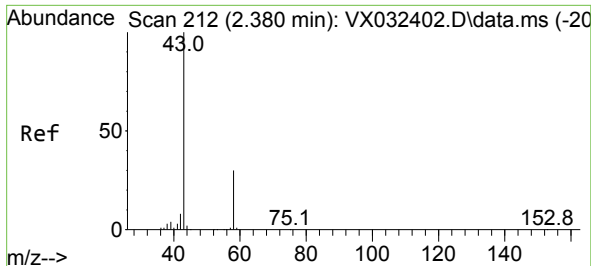
Tgt Ion: 41 Resp: 1008
 Ion Ratio Lower Upper
 41 100
 39 20.6 61.4 92.2#
 76 0.0 29.2 43.8#



#15
 Acrylonitrile
 Concen: 0.278 ug/l
 RT: 2.941 min Scan# 304
 Delta R.T. -0.122 min
 Lab File: VX032493.D
 Acq: 31 Oct 2022 17:17

Tgt Ion: 53 Resp: 192
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.4 101.0#
 51 0.0 30.3 45.5#

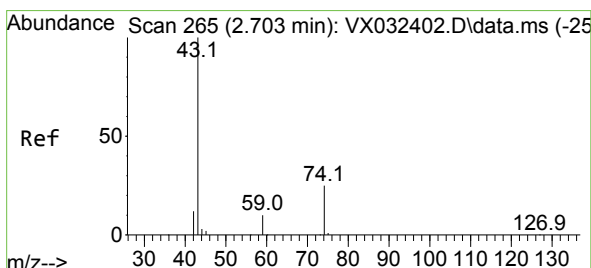
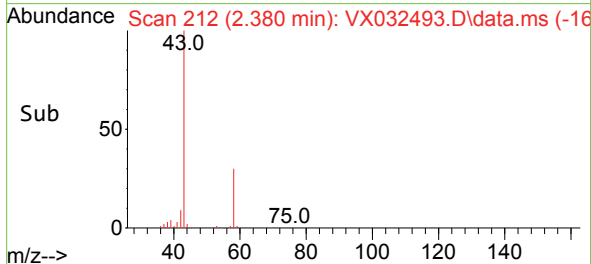
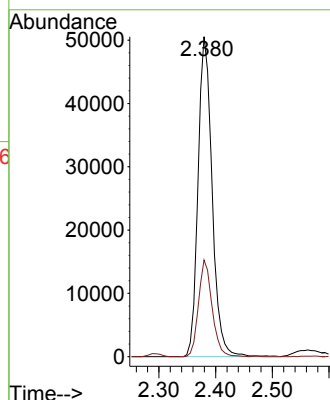
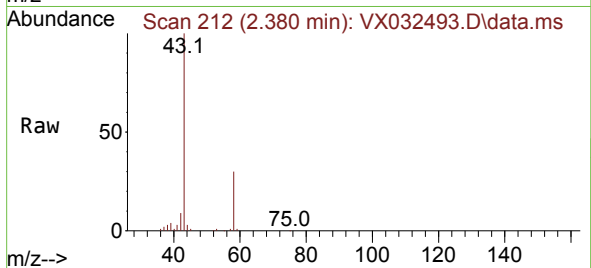




#16
Acetone
Concen: 137.156 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

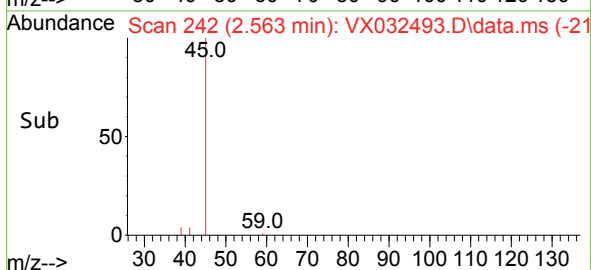
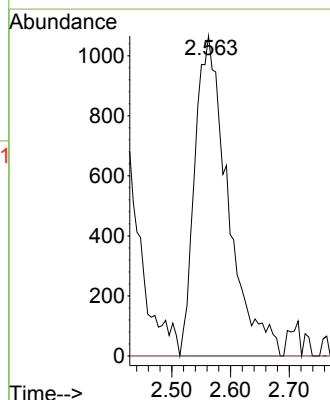
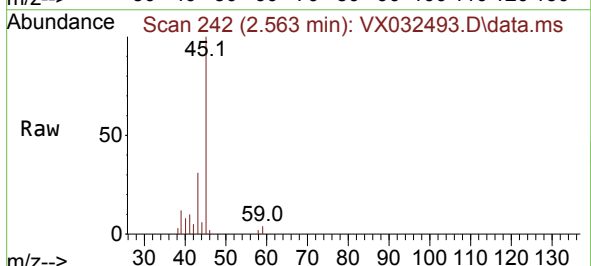
Instrument :
MSVOA_X
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MW-7-102722

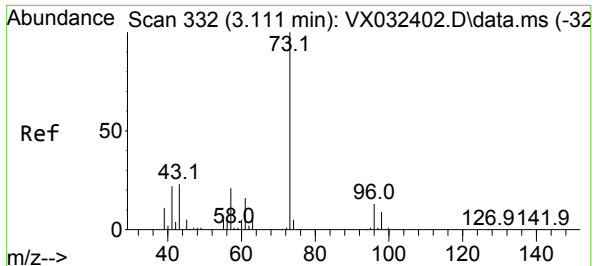
Tgt Ion: 43 Resp: 87041
Ion Ratio Lower Upper
43 100
58 30.2 23.8 35.8



#18
Methyl Acetate
Concen: 2.021 ug/l
RT: 2.563 min Scan# 242
Delta R.T. -0.140 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion: 43 Resp: 4171
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#





#19

Methyl tert-butyl Ether

Concen: 0.212 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX032493.D

Acq: 31 Oct 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

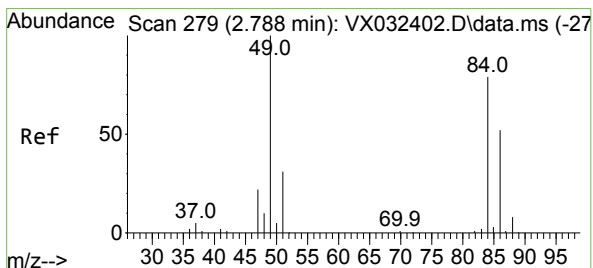
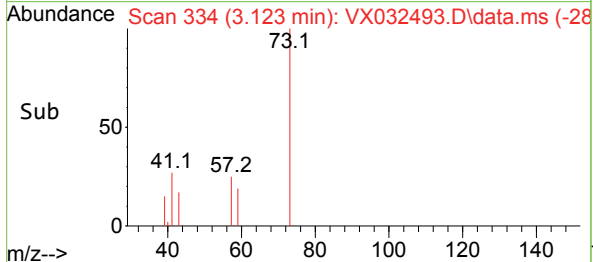
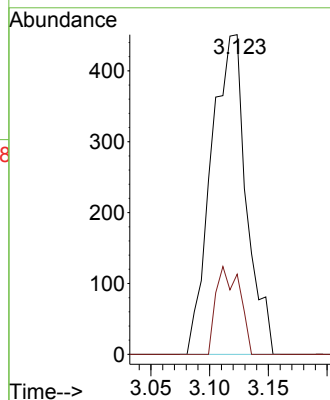
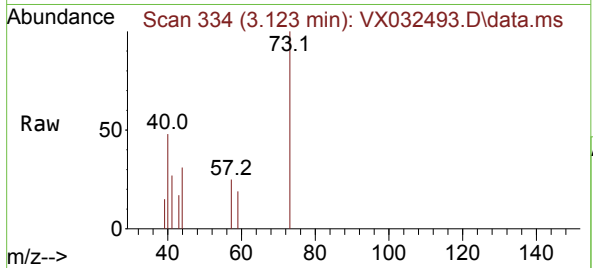
MW-7-102722

Tgt Ion: 73 Resp: 941

Ion Ratio Lower Upper

73 100

57 25.1 16.6 25.0#



#20

Methylene Chloride

Concen: 0.504 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX032493.D

Acq: 31 Oct 2022 17:17

Tgt Ion: 84 Resp: 733

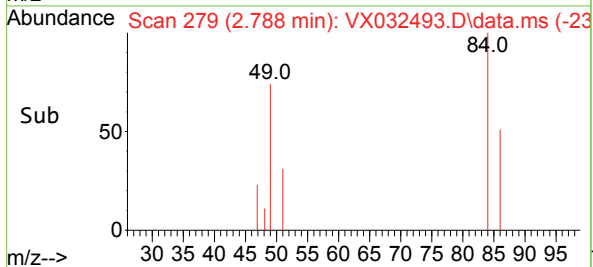
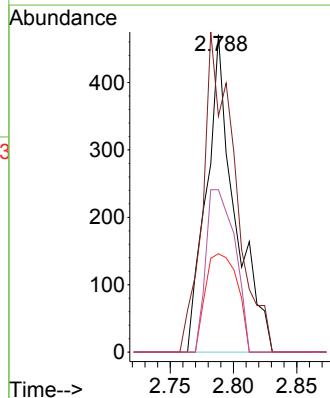
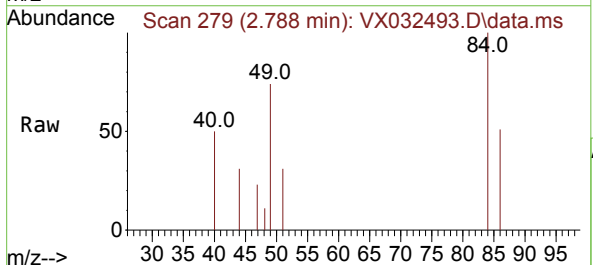
Ion Ratio Lower Upper

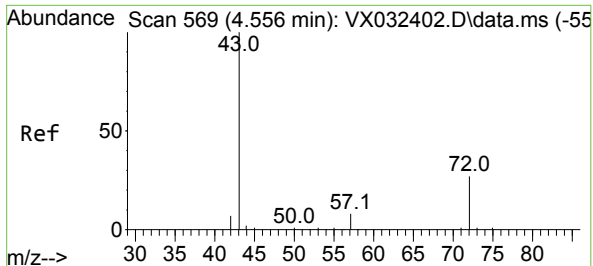
84 100

49 74.3 101.0 151.6#

51 31.0 31.1 46.7#

86 51.2 52.3 78.5#





#25

2-Butanone

Concen: 5.403 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032493.D

Acq: 31 Oct 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

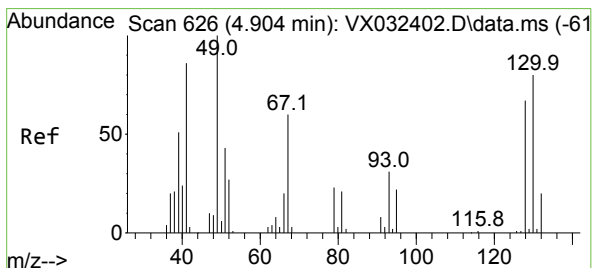
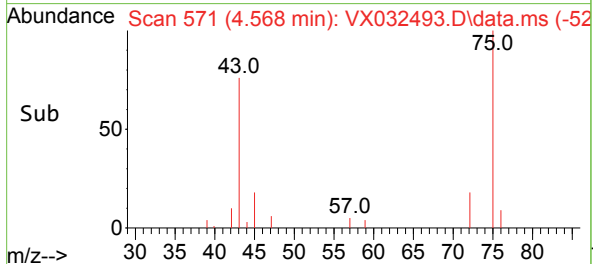
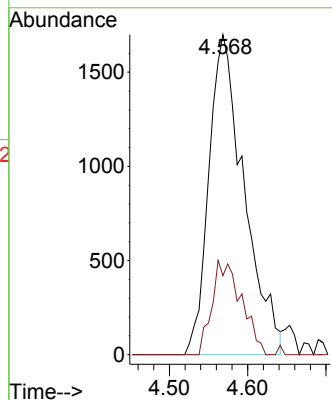
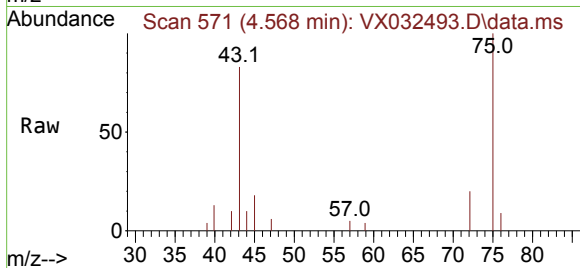
MW-7-102722

Tgt Ion: 43 Resp: 5312

Ion Ratio Lower Upper

43 100

72 24.7 22.2 33.2



#28

Bromochloromethane

Concen: 0.367 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.201 min

Lab File: VX032493.D

Acq: 31 Oct 2022 17:17

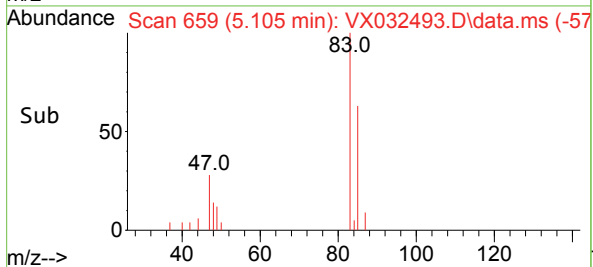
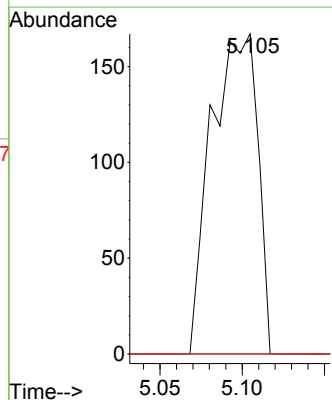
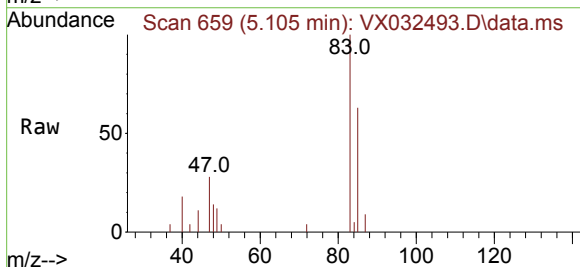
Tgt Ion: 49 Resp: 327

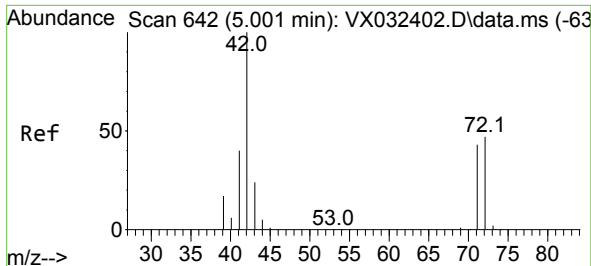
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 67.5 101.3#





#29

Tetrahydrofuran

Concen: 10.176 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX032493.D

Acq: 31 Oct 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

MW-7-102722

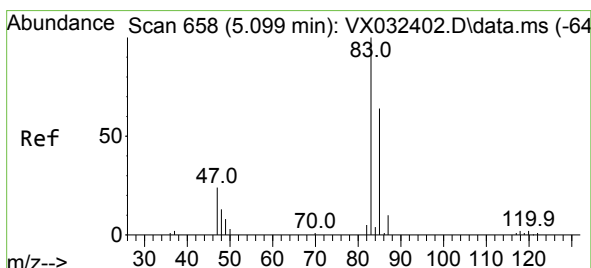
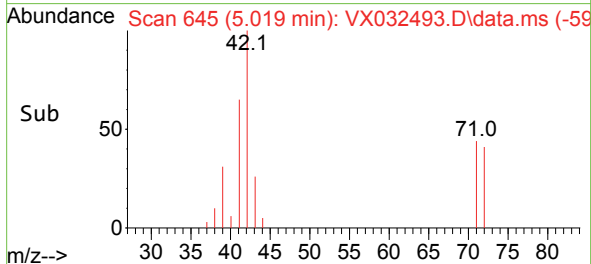
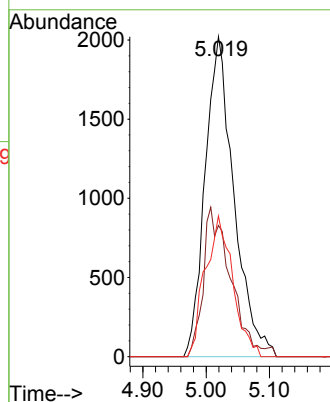
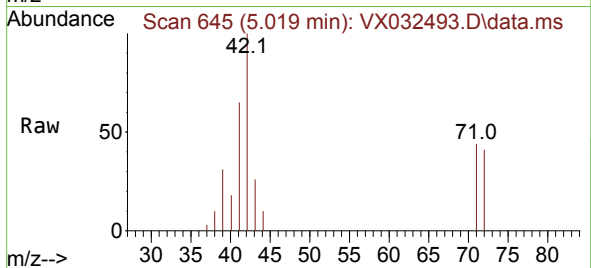
Tgt Ion: 42 Resp: 6380

Ion Ratio Lower Upper

42 100

72 44.8 37.6 56.4

71 42.1 34.7 52.1



#30

Chloroform

Concen: 1.684 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX032493.D

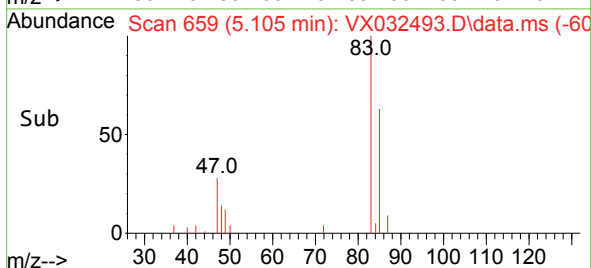
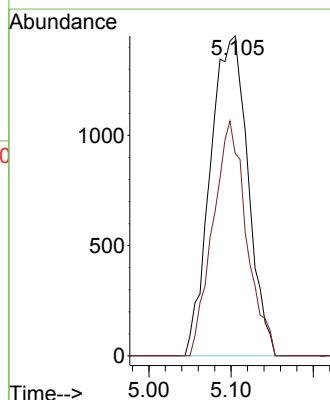
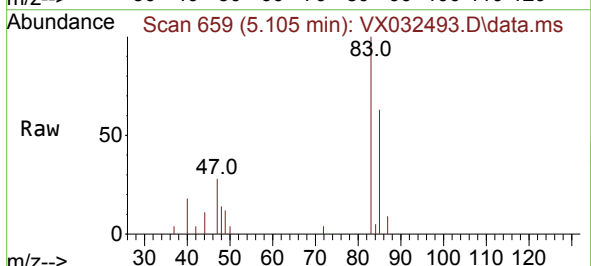
Acq: 31 Oct 2022 17:17

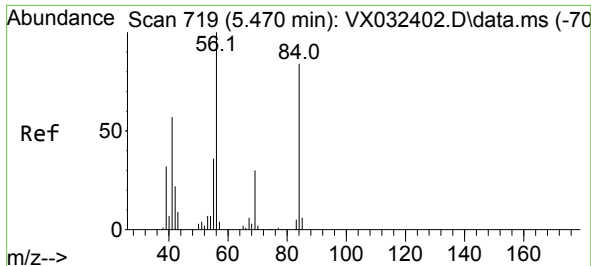
Tgt Ion: 83 Resp: 4619

Ion Ratio Lower Upper

83 100

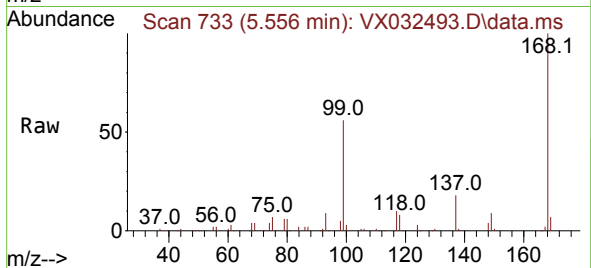
85 63.4 51.1 76.7



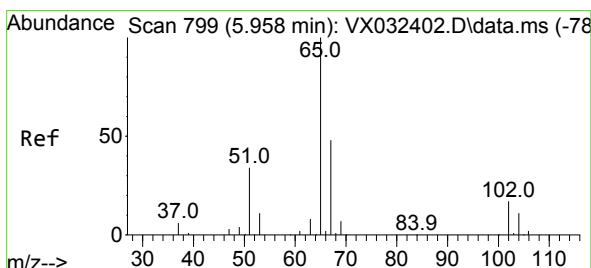
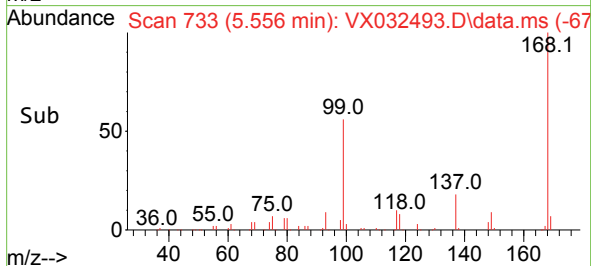
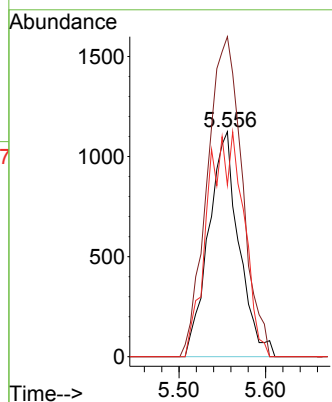


#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

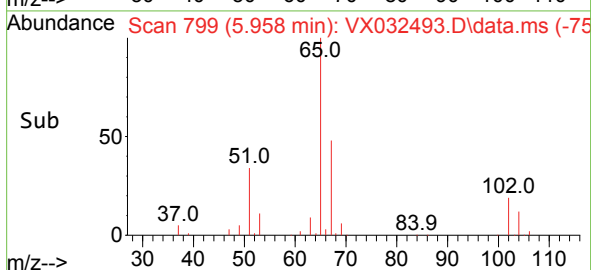
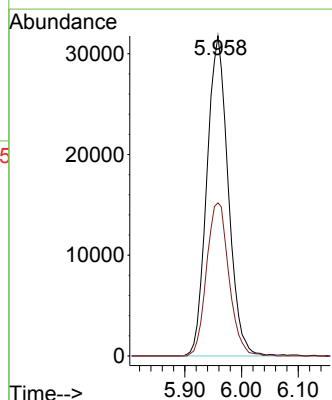
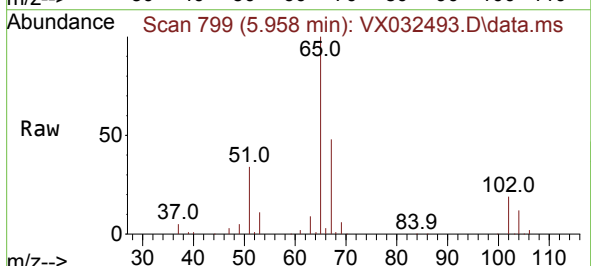


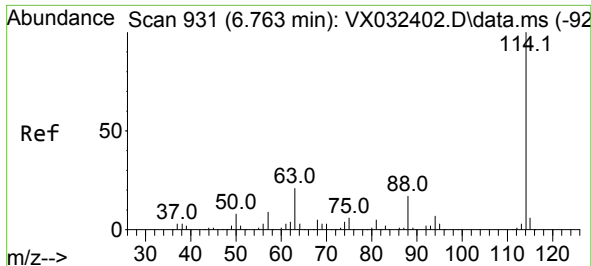
Tgt Ion: 56 Resp: 2734
Ion Ratio Lower Upper
56 100
69 142.3 24.1 36.1#
84 76.2 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 47.506 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion: 65 Resp: 82948
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8

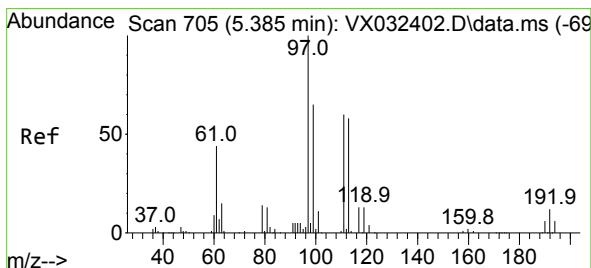
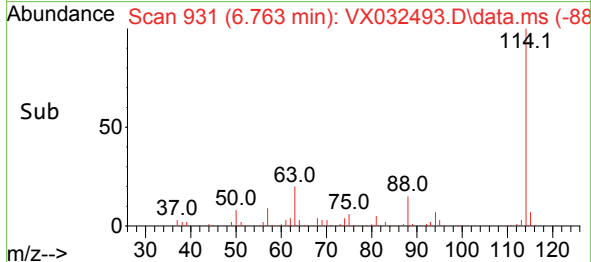
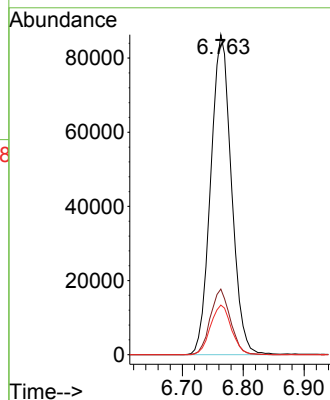
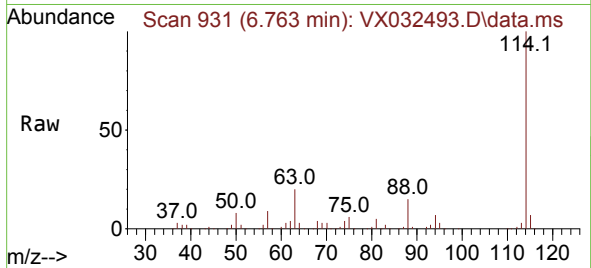




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

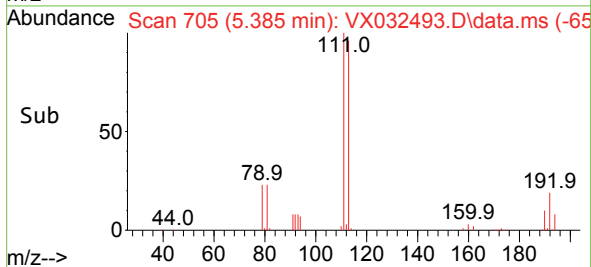
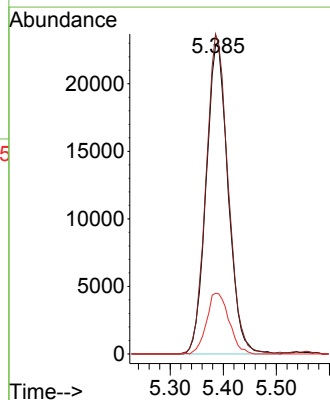
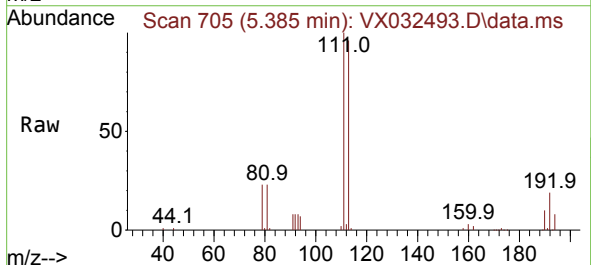
Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

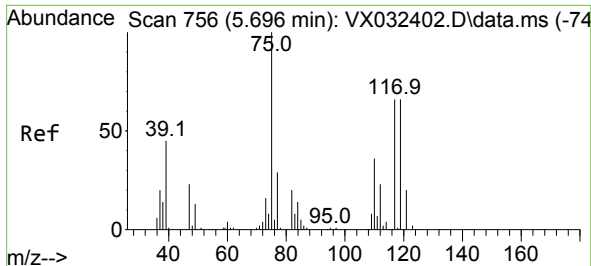
Tgt Ion:114 Resp: 203722
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.635 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion:113 Resp: 66315
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 19.9 15.4 23.2

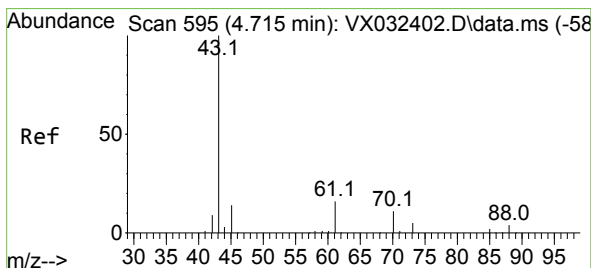
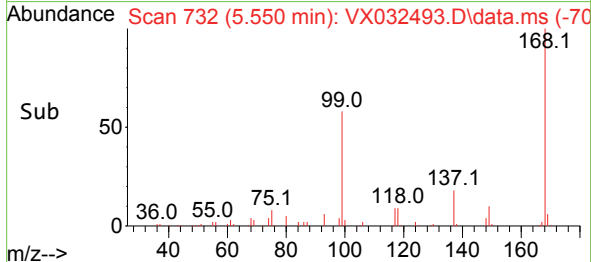
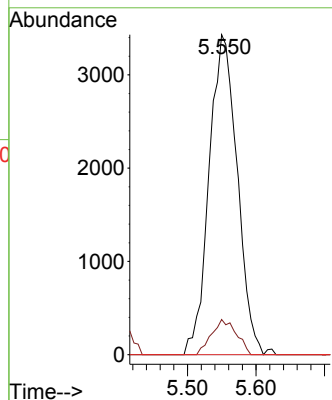
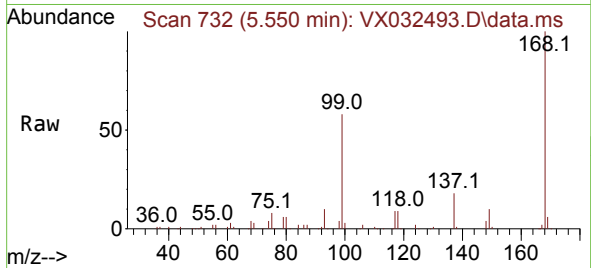




#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

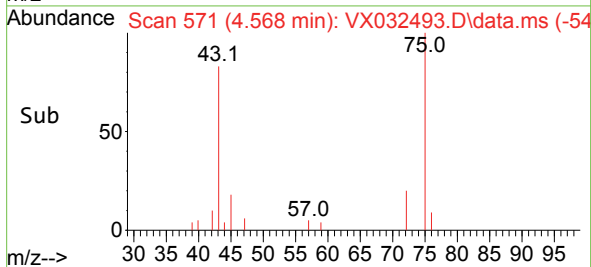
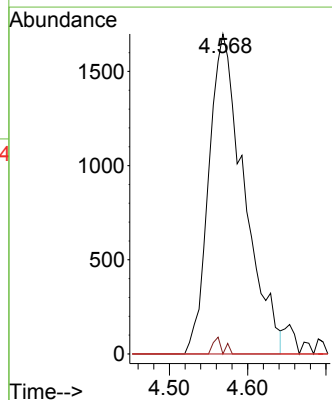
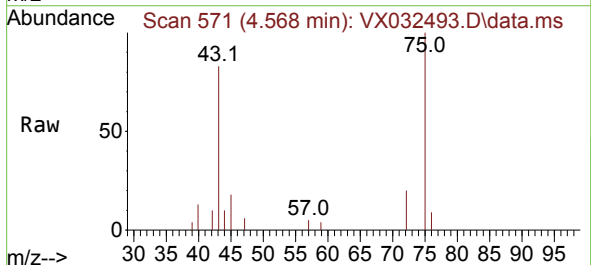
Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

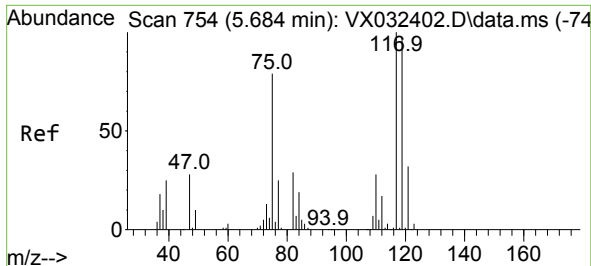
Tgt Ion: 75 Resp: 9808
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 2.522 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

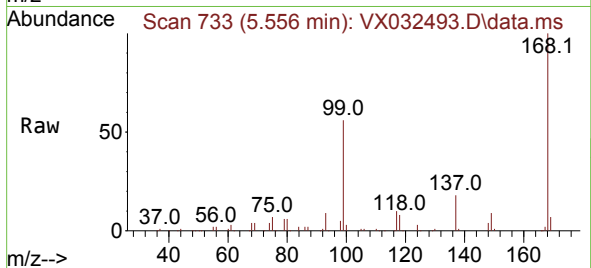
Tgt Ion: 43 Resp: 5312
Ion Ratio Lower Upper
43 100
61 1.4 11.5 17.3#
70 0.0 9.1 13.7#



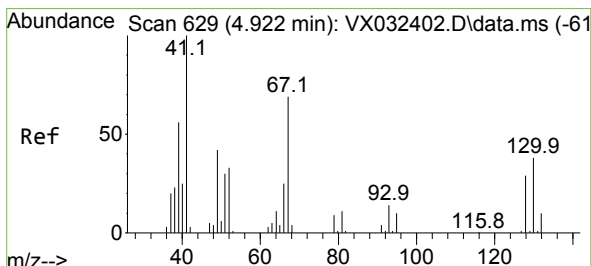
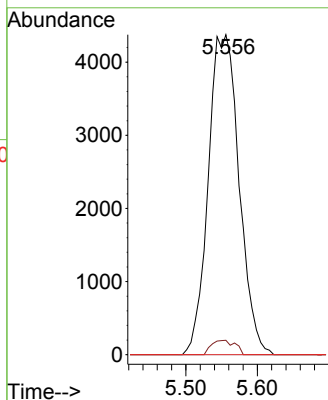
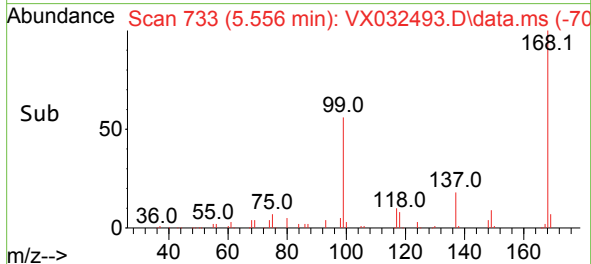


#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

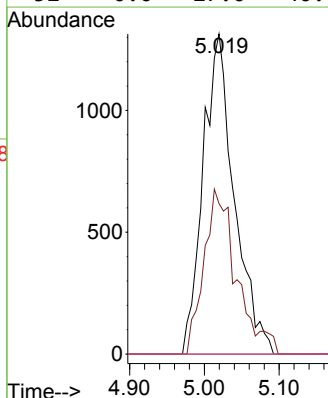
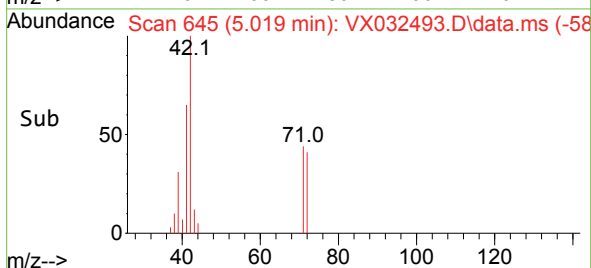
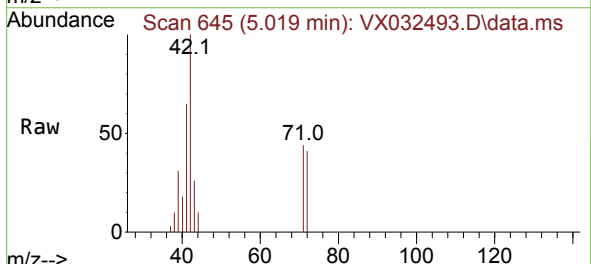


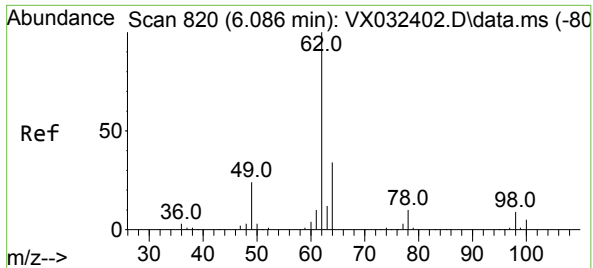
Tgt Ion:117 Resp: 13102
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 3.560 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion: 41 Resp: 3820
Ion Ratio Lower Upper
41 100
39 51.3 47.5 71.3
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#





#42

1,2-Dichloroethane

Concen: 0.204 ug/l

RT: 6.105 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX032493.D

Acq: 31 Oct 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

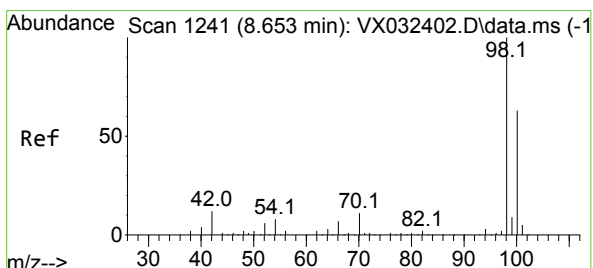
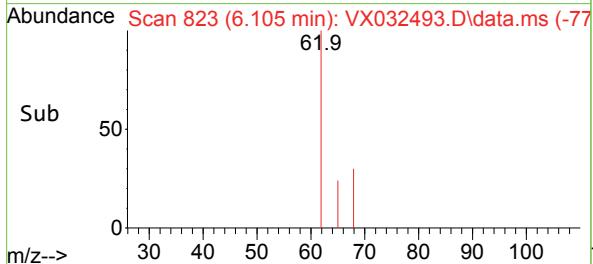
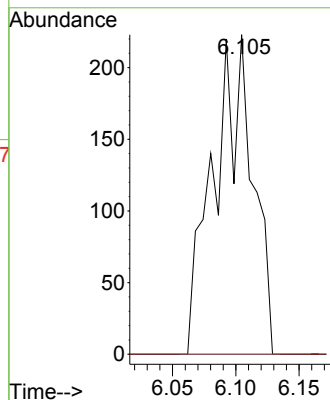
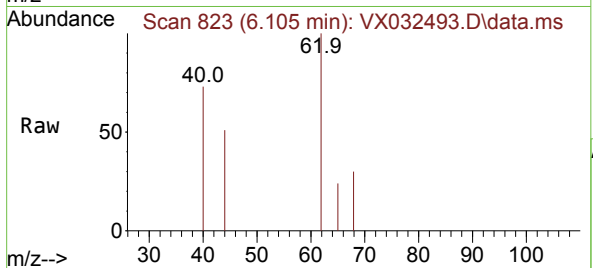
MW-7-102722

Tgt Ion: 62 Resp: 478

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#50

Toluene-d8

Concen: 47.244 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032493.D

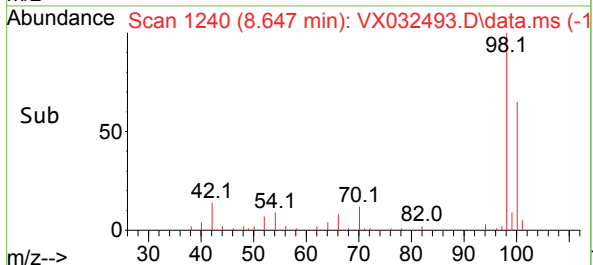
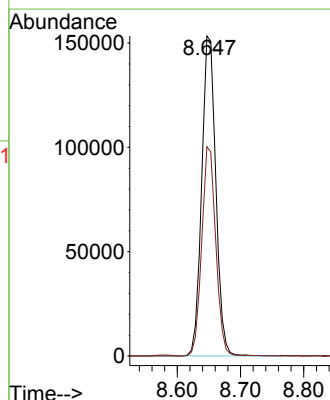
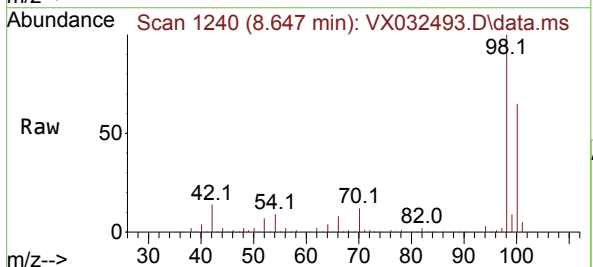
Acq: 31 Oct 2022 17:17

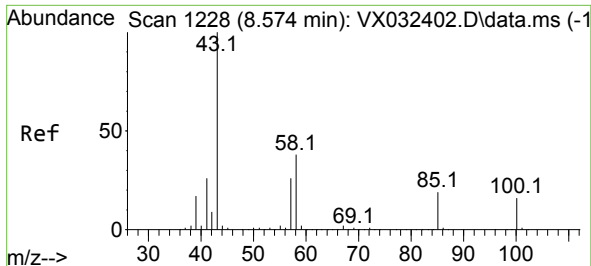
Tgt Ion: 98 Resp: 238724

Ion Ratio Lower Upper

98 100

100 65.0 50.9 76.3

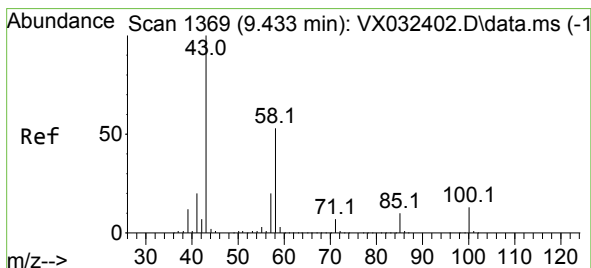
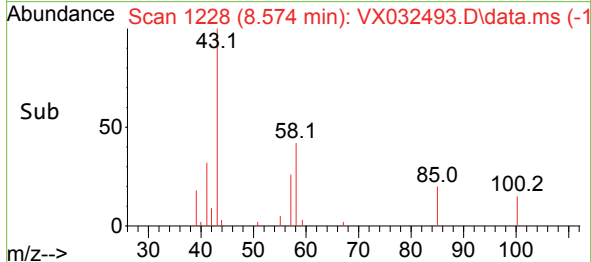
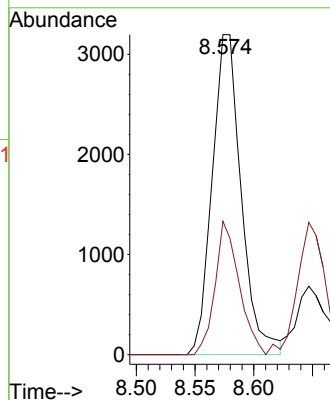
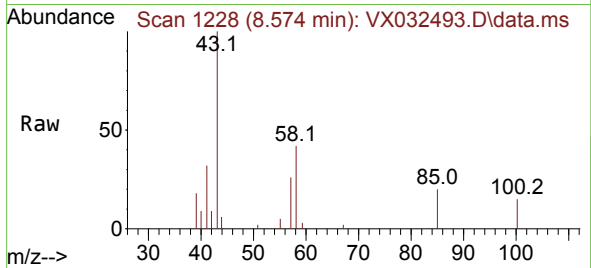




#51
4-Methyl-2-Pentanone
Concen: 2.702 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

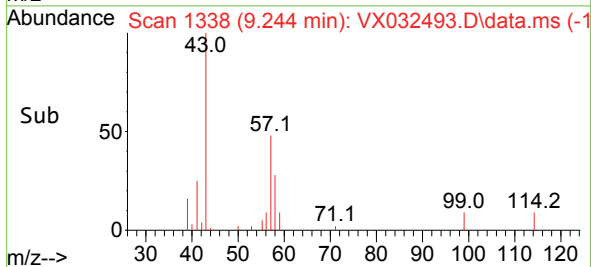
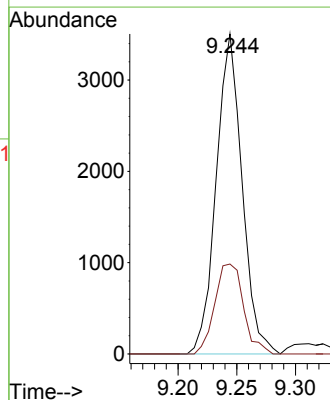
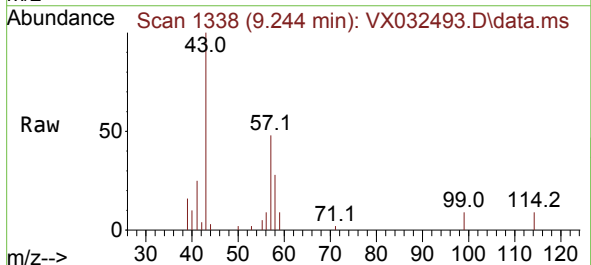
Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

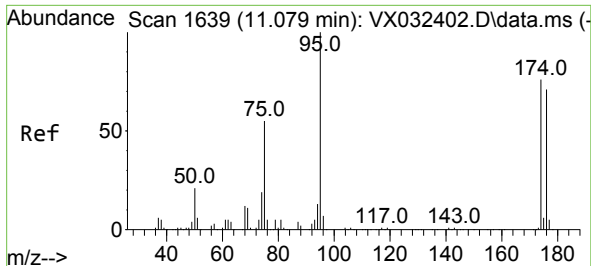
Tgt Ion: 43 Resp: 5504
Ion Ratio Lower Upper
43 100
58 34.6 30.9 46.3



#59
2-Hexanone
Concen: 3.554 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. -0.189 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion: 43 Resp: 5372
Ion Ratio Lower Upper
43 100
58 31.2 26.5 79.5

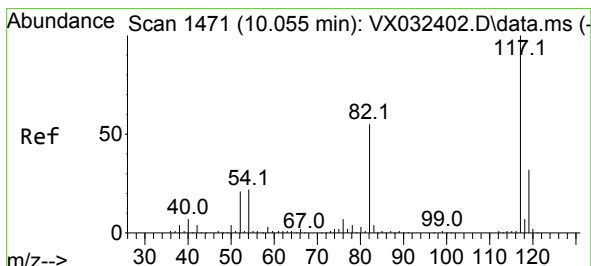
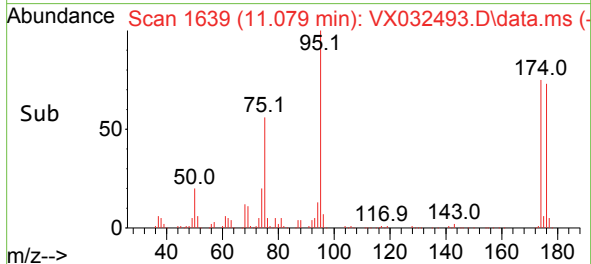
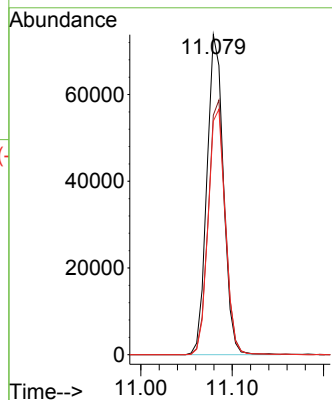
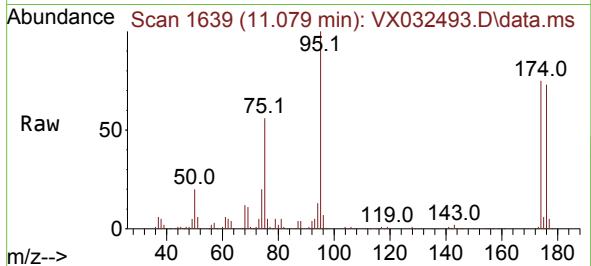




#62
4-Bromofluorobenzene
Concen: 46.836 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

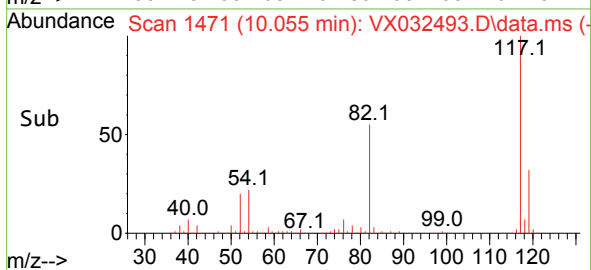
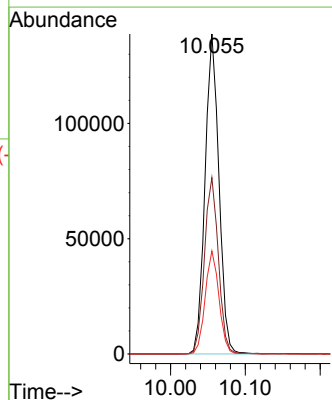
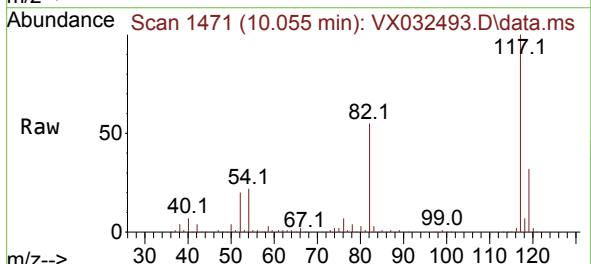
Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

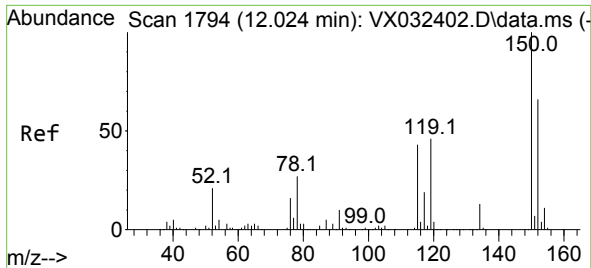
Tgt Ion: 95 Resp: 92445
Ion Ratio Lower Upper
95 100
174 82.1 0.0 164.0
176 79.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Tgt Ion: 117 Resp: 179488
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.2 25.7 38.5

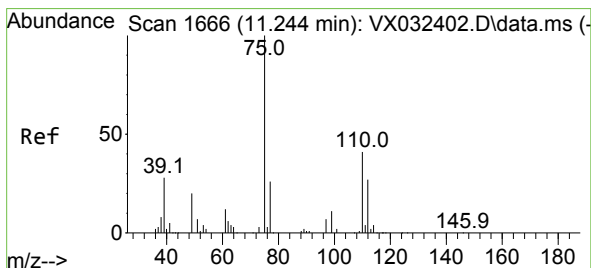
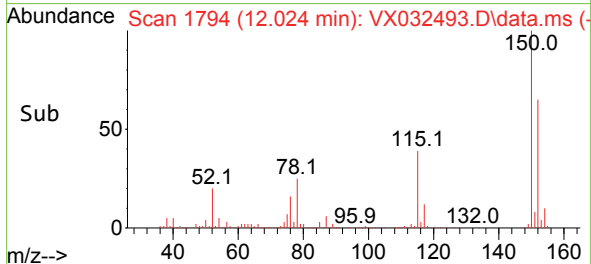
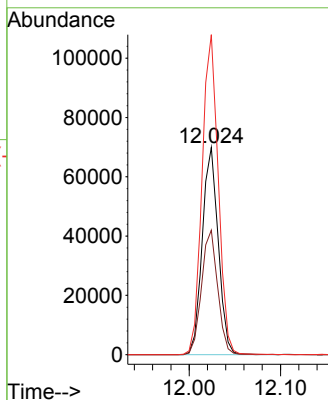
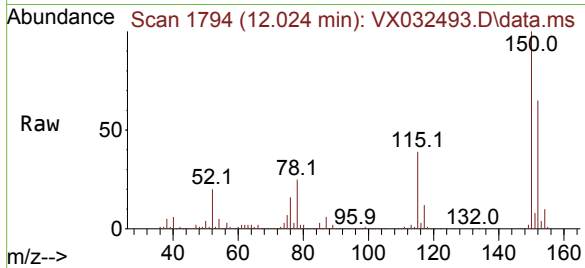




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032493.D
 Acq: 31 Oct 2022 17:17

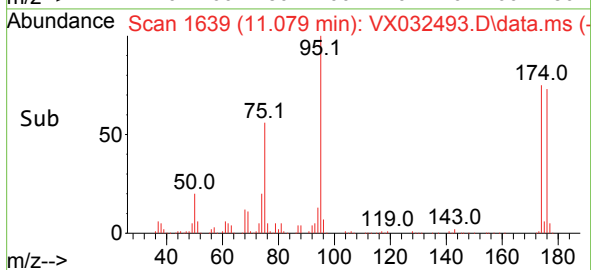
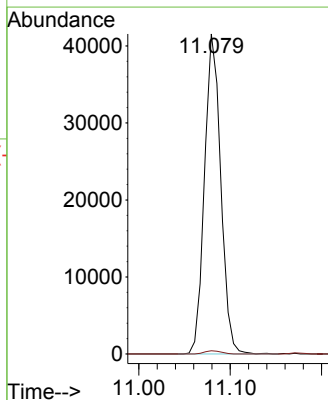
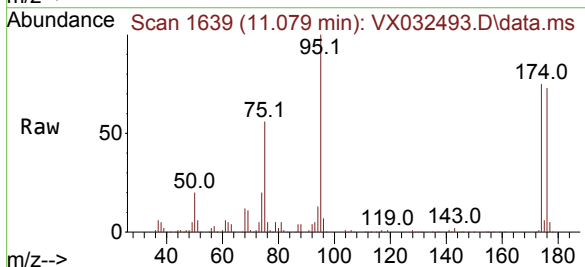
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7-102722

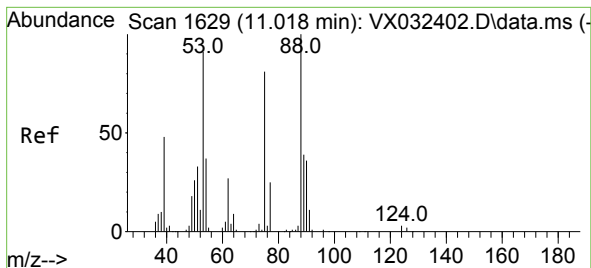
Tgt Ion:152 Resp: 84685
 Ion Ratio Lower Upper
 152 100
 115 60.7 44.0 132.0
 150 156.6 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 27.145 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX032493.D
 Acq: 31 Oct 2022 17:17

Tgt Ion: 75 Resp: 51143
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 60.0#

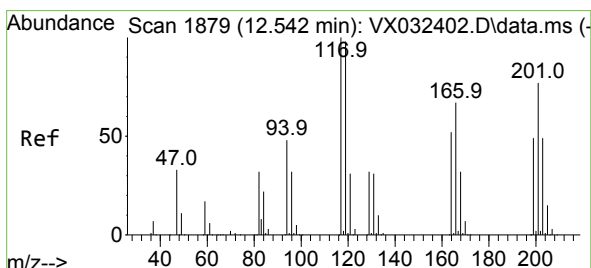
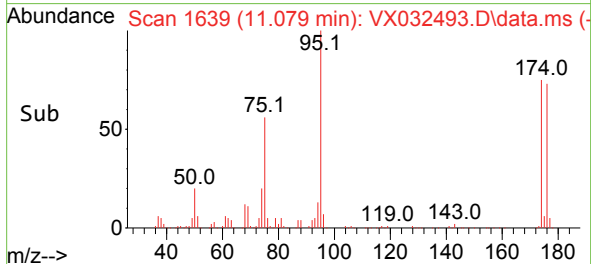
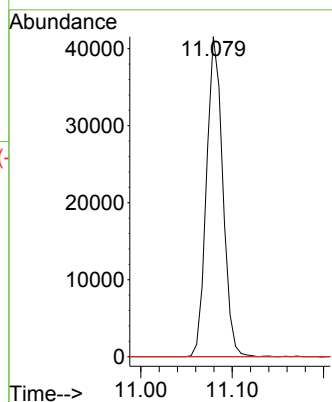
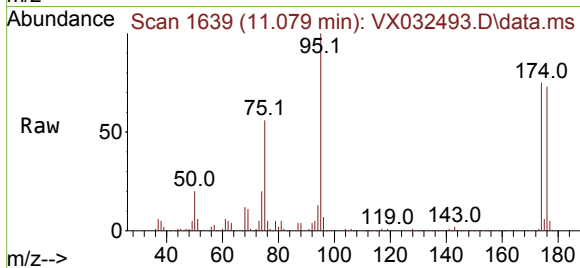




#81
trans-1,4-Dichloro-2-butene
Concen: 86.378 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

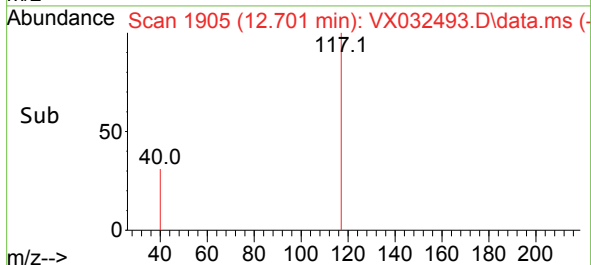
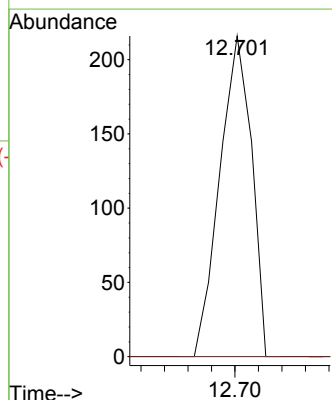
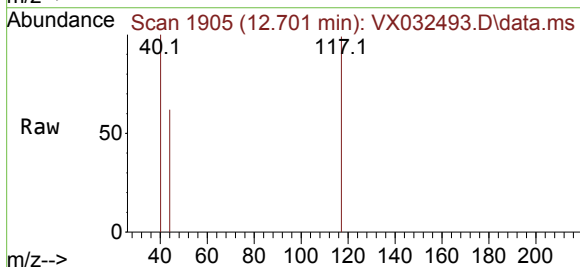
Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722

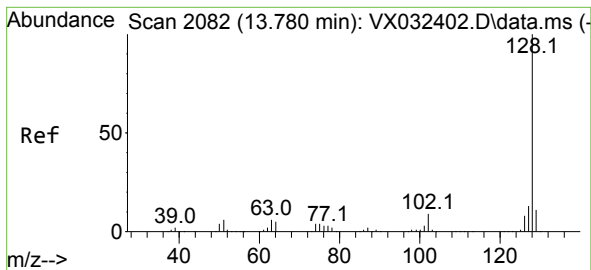
Tgt Ion: 75 Resp: 51143
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#90
Hexachloroethane
Concen: 0.213 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

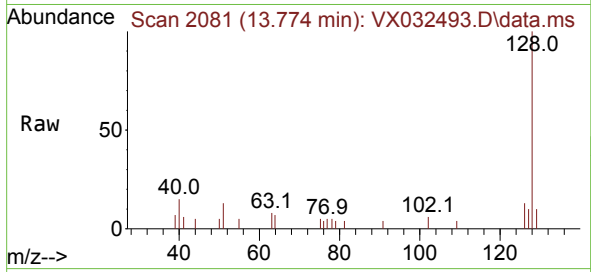
Tgt Ion: 117 Resp: 203
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 0.336 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032493.D
Acq: 31 Oct 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-7-102722



Tgt Ion:128 Resp: 2233

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	10.7	8.9	13.3

