

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
 Data File : VX033929.D
 Acq On : 27 Jan 2023 11:55
 Operator : JC/MD
 Sample : 01323-16DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22DL

Quant Time: Jan 28 03:03:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

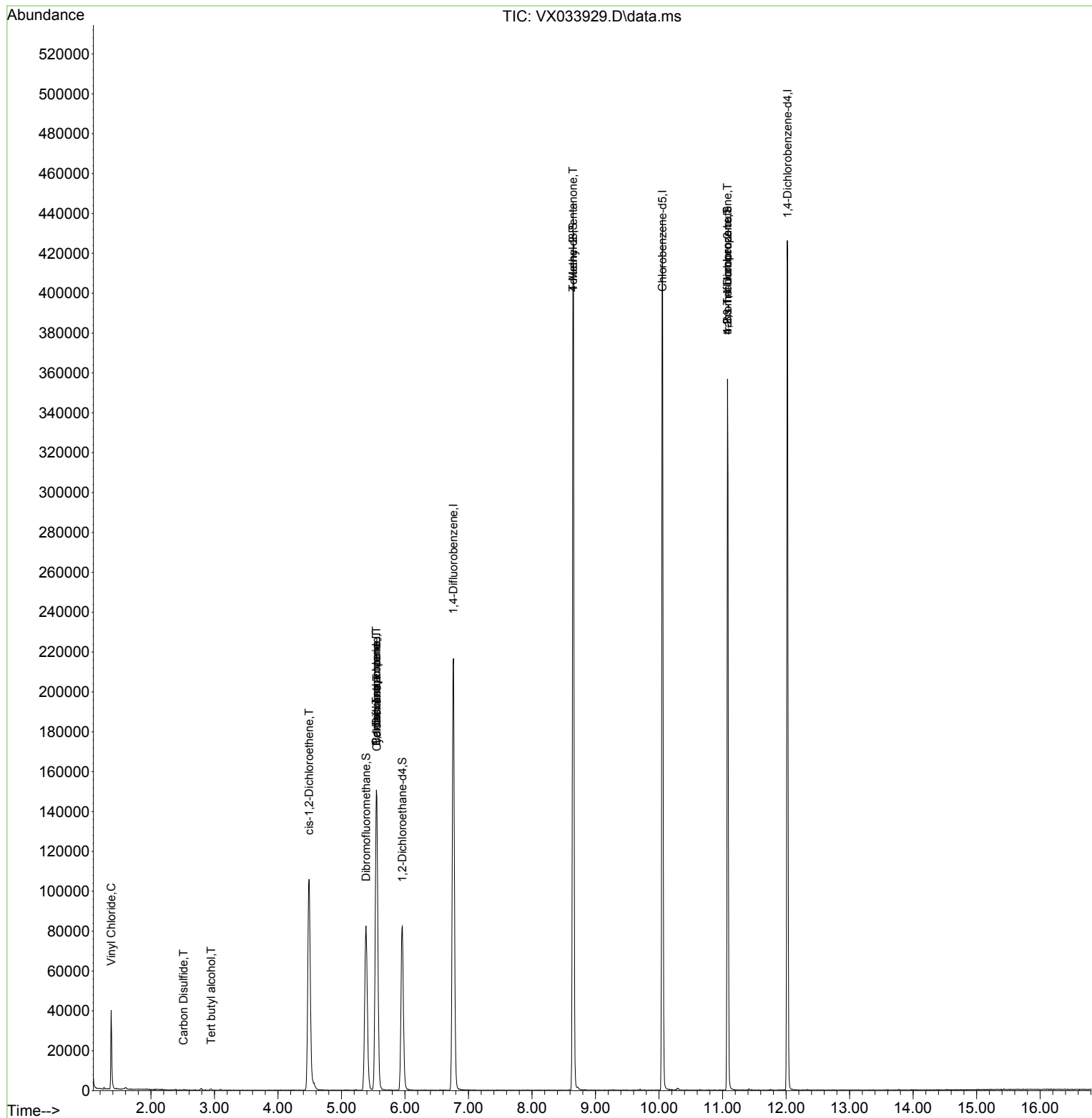
Internal Standards						
1) Pentafluorobenzene	5.550	168	166189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238239	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78446	44.831	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.660%		
35) Dibromofluoromethane	5.385	113	72858	49.251	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.500%		
50) Toluene-d8	8.647	98	267166	49.567	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.140%		
62) 4-Bromofluorobenzene	11.079	95	92100	46.022	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.040%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	26073	18.520	ug/l	96
11) Tert butyl alcohol	2.946	59	400	1.316	ug/l #	86
16) Acetone	2.386	43	397	Below Cal	#	88
17) Carbon Disulfide	2.514	76	401	1.935	ug/l #	76
20) Methylene Chloride	2.794	84	492	Below Cal	#	69
27) cis-1,2-Dichloroethene	4.489	96	72727	40.016	ug/l	88
31) Cyclohexane	5.556	56	2389	0.928	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9650	4.470	ug/l #	49
37) Ethyl Acetate	4.568	43	51	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	14020	6.270	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1048	0.501	ug/l #	1
73) Isopropylbenzene	10.963	105	45	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	43170	23.182	ug/l #	34
79) 2-Chlorotoluene	11.457	91	134	Below Cal		90
81) trans-1,4-Dichloro-2-b...	11.079	75	43170	72.048	ug/l #	8
82) 4-Chlorotoluene	11.457	91	134	Below Cal		82

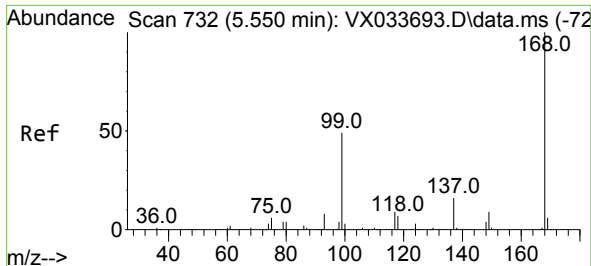
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
Data File : VX033929.D
Acq On : 27 Jan 2023 11:55
Operator : JC/MD
Sample : 01323-16DL 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-22DL

Quant Time: Jan 28 03:03:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

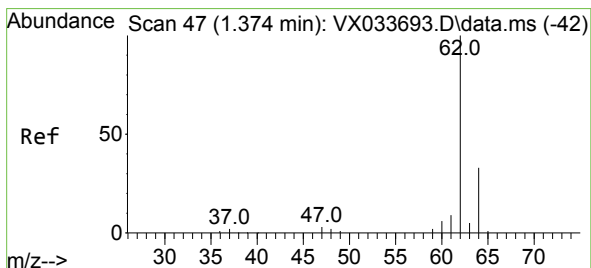
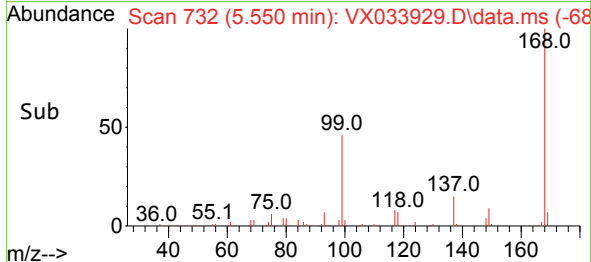
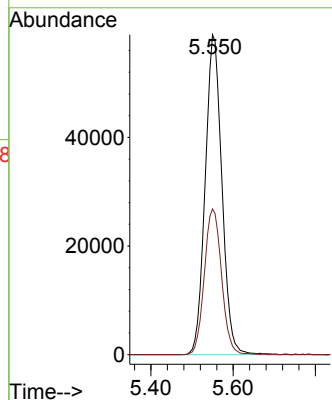
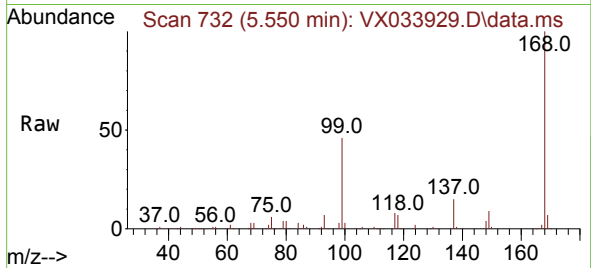




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033929.D
Acq: 27 Jan 2023 11:55

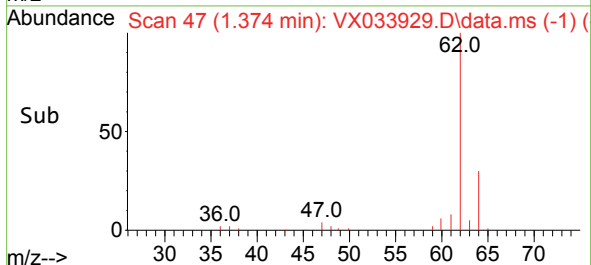
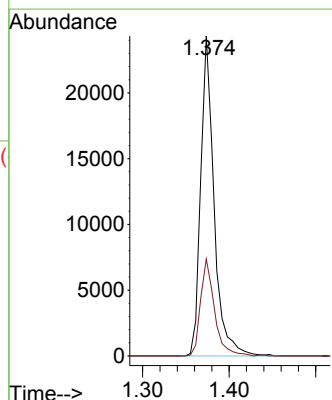
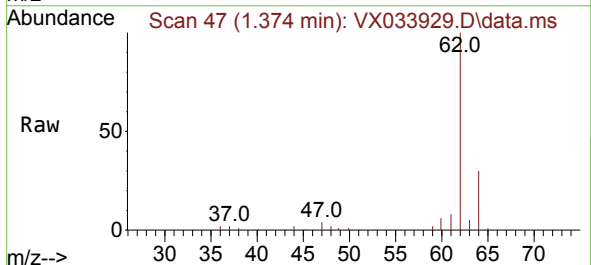
Instrument :
MSVOA_X
ClientSampleId :
MW-22DL

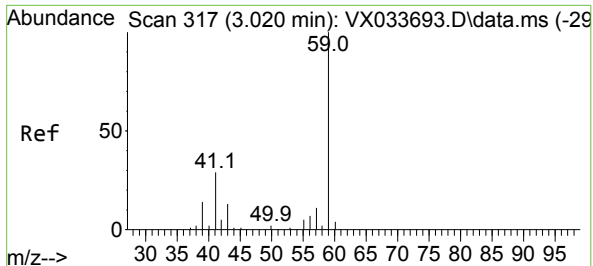
Tgt Ion:168 Resp: 166189
Ion Ratio Lower Upper
168 100
99 45.5 39.6 59.4



#4
Vinyl Chloride
Concen: 18.520 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX033929.D
Acq: 27 Jan 2023 11:55

Tgt Ion: 62 Resp: 26073
Ion Ratio Lower Upper
62 100
64 30.3 26.2 39.4





#11

Tert butyl alcohol

Concen: 1.316 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

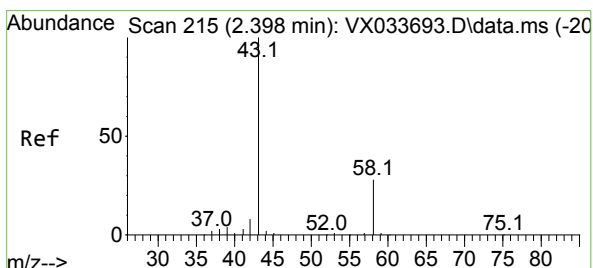
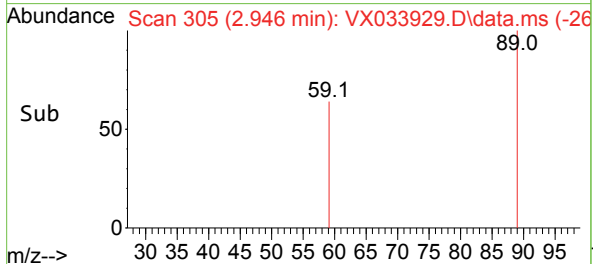
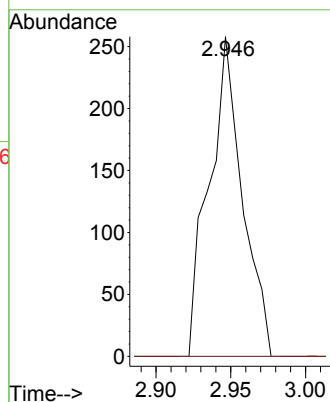
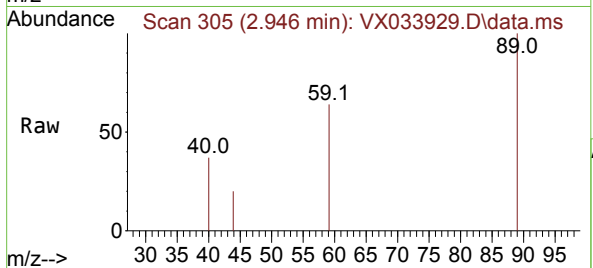
MW-22DL

Tgt Ion: 59 Resp: 400

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX033929.D

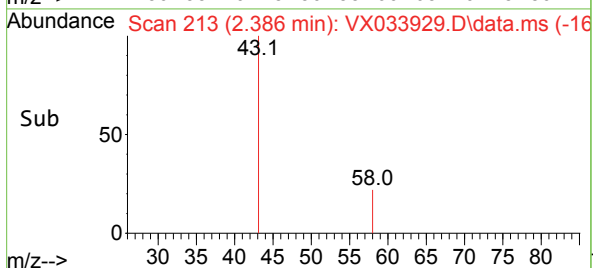
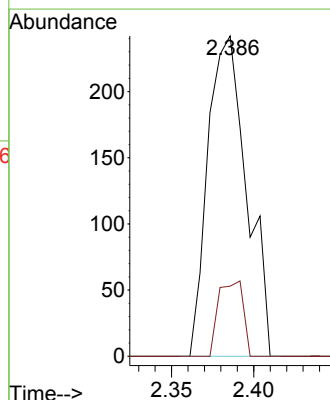
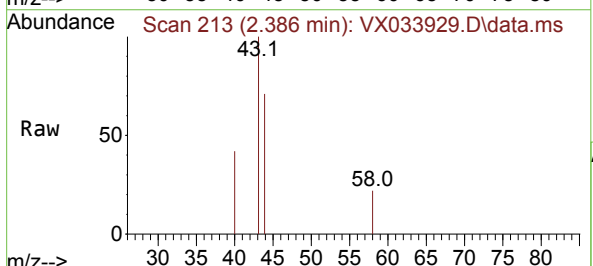
Acq: 27 Jan 2023 11:55

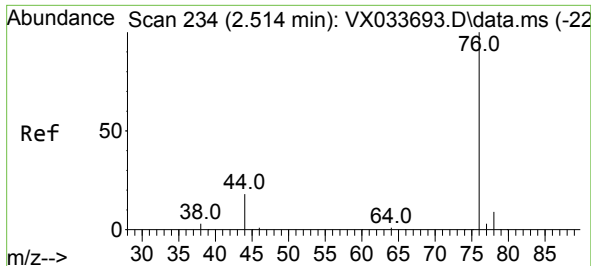
Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

58 21.9 22.6 33.8#





#17

Carbon Disulfide

Concen: 1.935 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

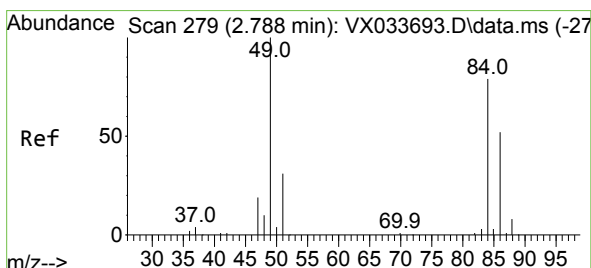
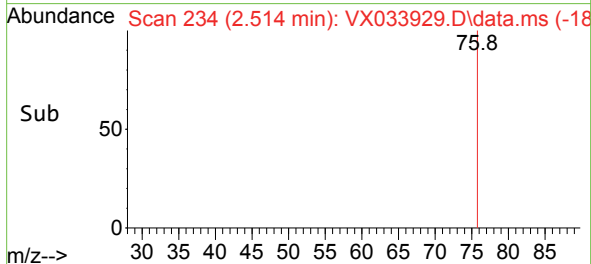
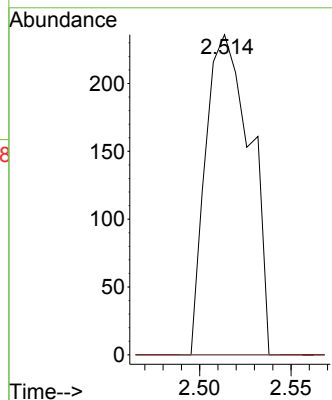
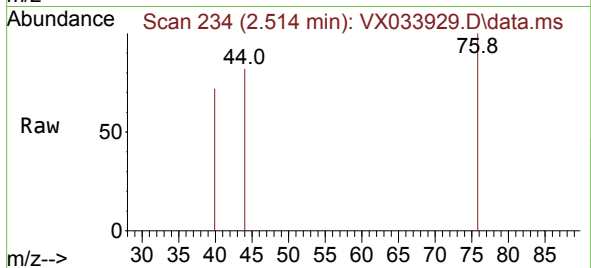
MW-22DL

Tgt Ion: 76 Resp: 401

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Tgt Ion: 84 Resp: 492

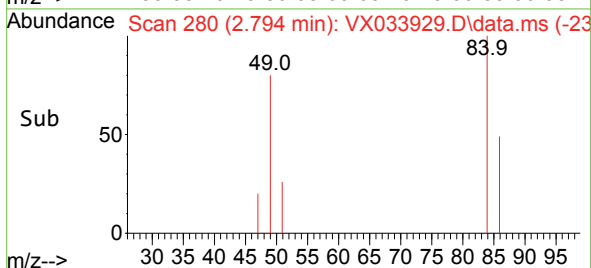
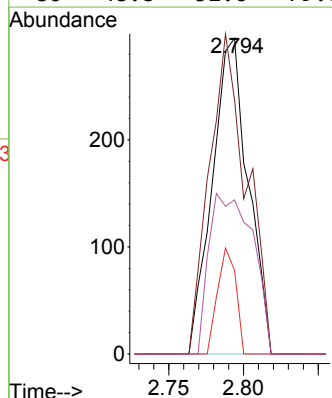
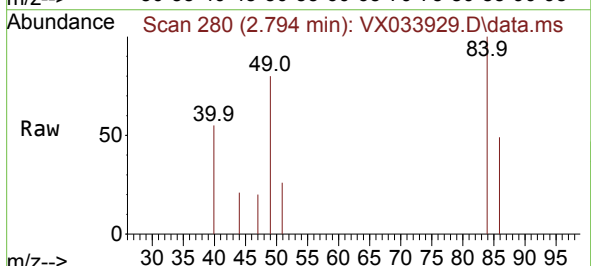
Ion Ratio Lower Upper

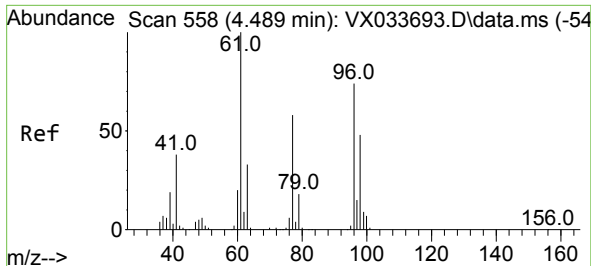
84 100

49 80.3 101.1 151.7#

51 26.4 31.0 46.6#

86 48.8 52.6 79.0#





#27

cis-1,2-Dichloroethene

Concen: 40.016 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

MW-22DL

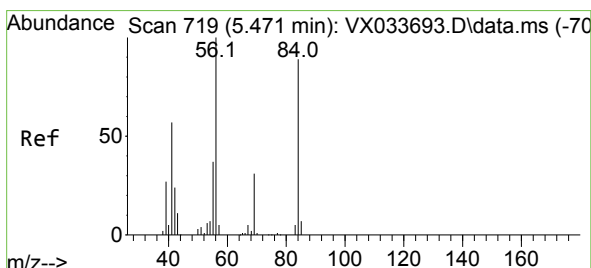
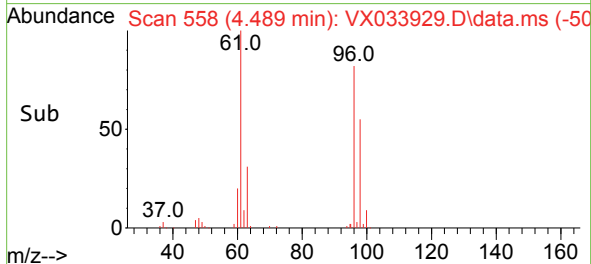
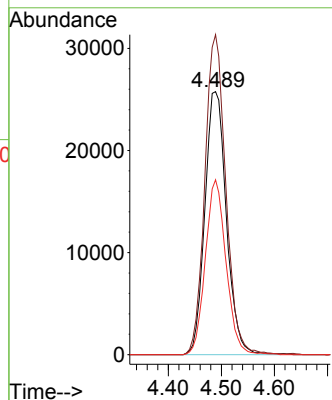
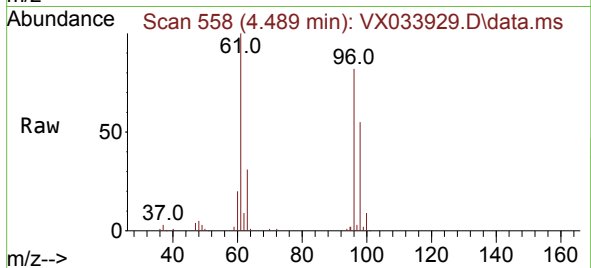
Tgt Ion: 96 Resp: 72727

Ion Ratio Lower Upper

96 100

61 118.4 0.0 277.6

98 63.9 0.0 128.0



#31

Cyclohexane

Concen: 0.928 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

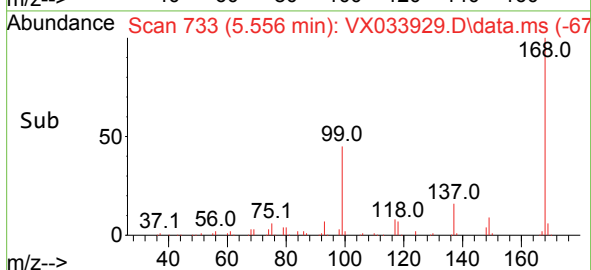
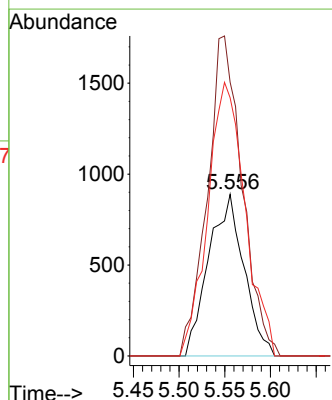
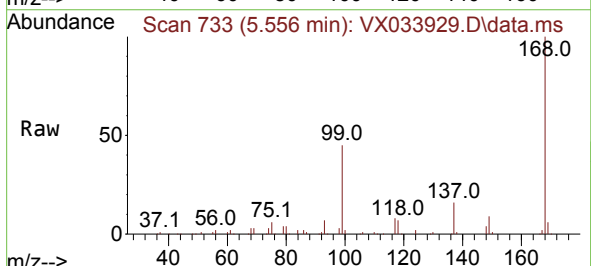
Tgt Ion: 56 Resp: 2389

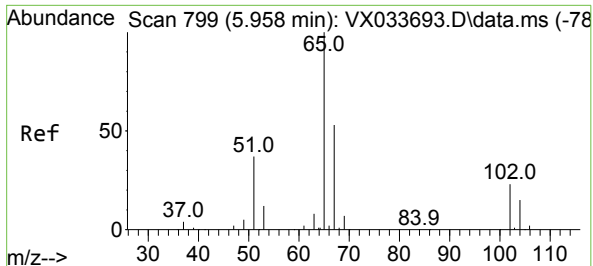
Ion Ratio Lower Upper

56 100

69 169.4 24.6 37.0#

84 159.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.831 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

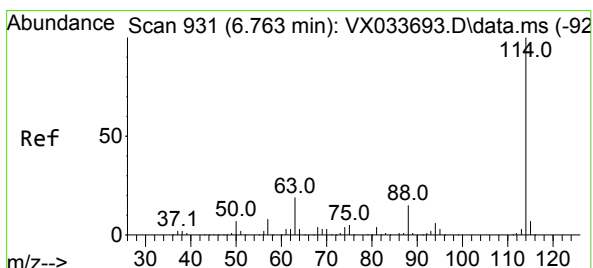
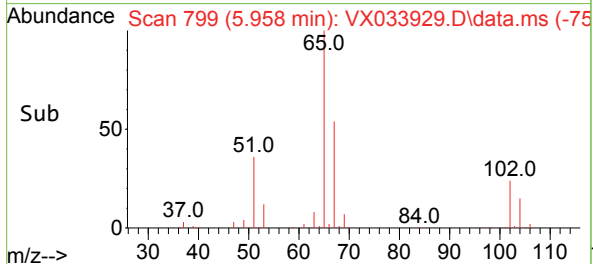
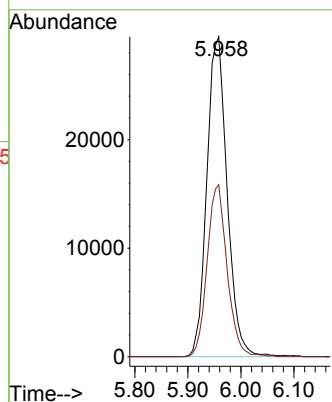
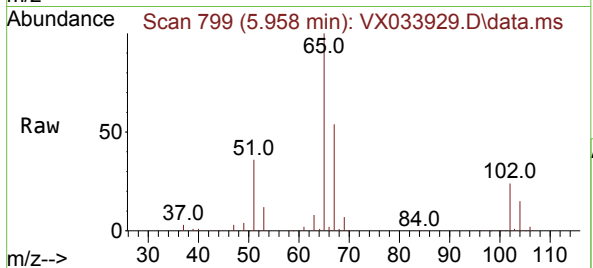
MW-22DL

Tgt Ion: 65 Resp: 78446

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

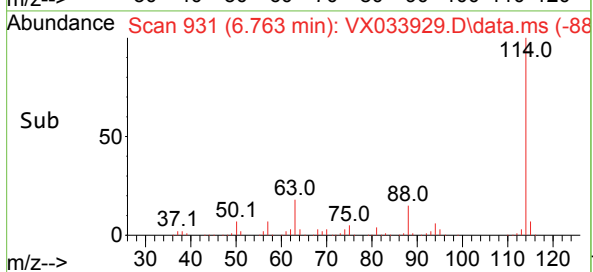
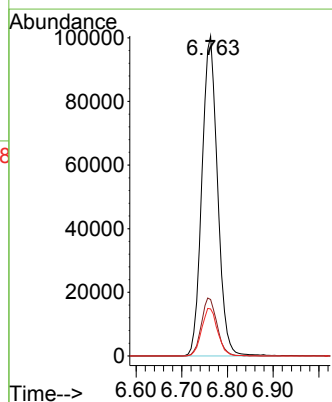
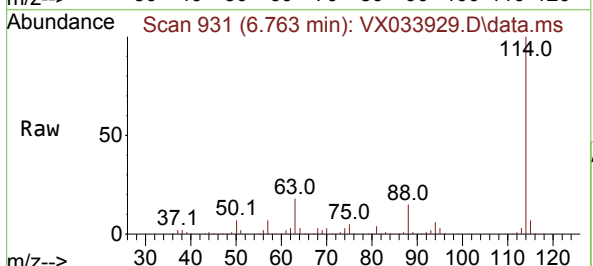
Tgt Ion: 114 Resp: 238239

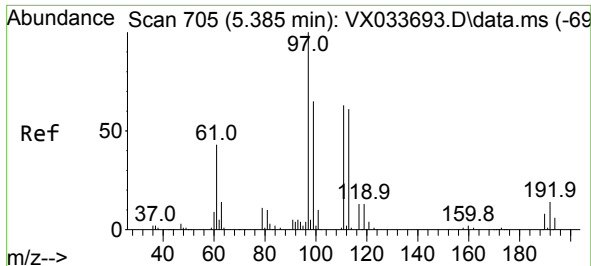
Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.251 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

MW-22DL

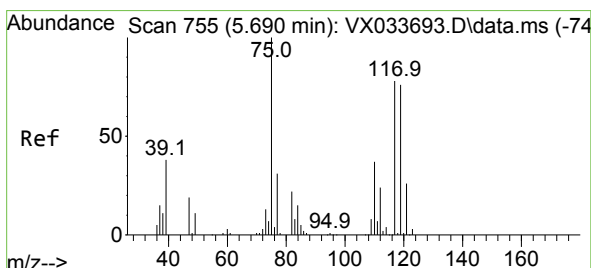
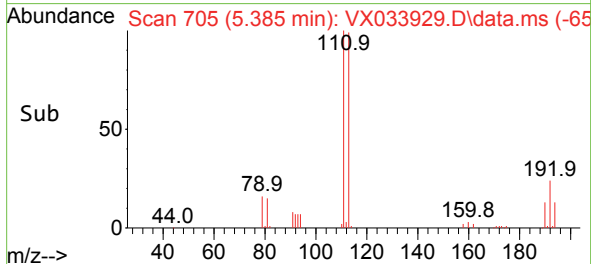
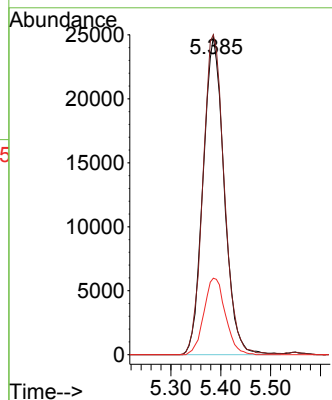
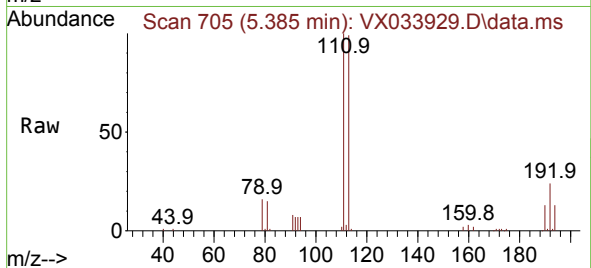
Tgt Ion:113 Resp: 72858

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

192 24.5 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.470 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

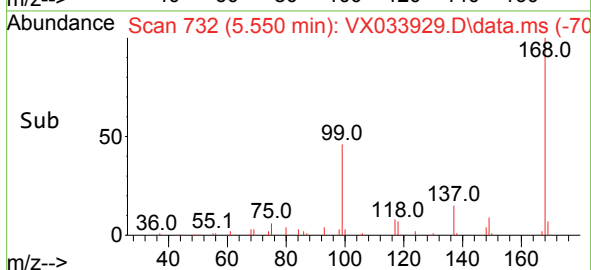
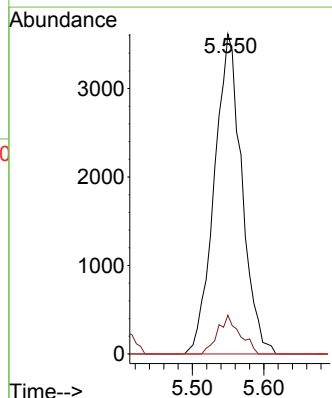
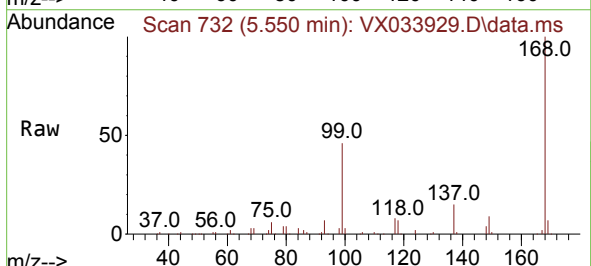
Tgt Ion: 75 Resp: 9650

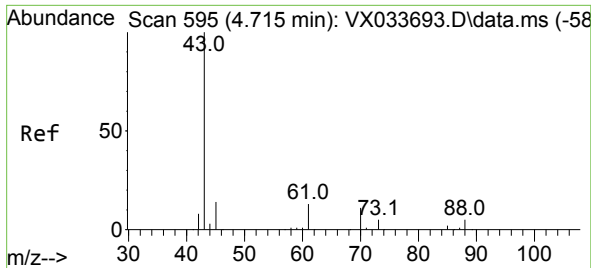
Ion Ratio Lower Upper

75 100

110 9.7 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.568 min Scan# 51

Delta R.T. -0.147 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

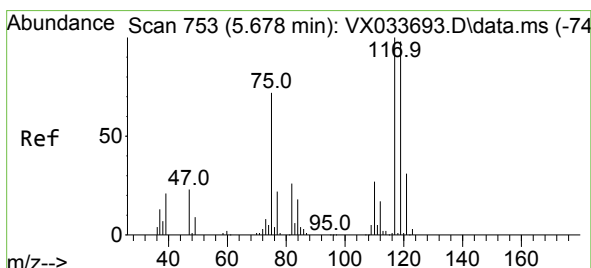
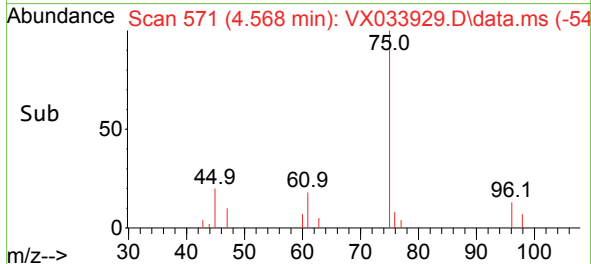
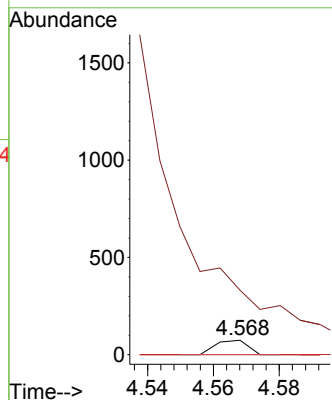
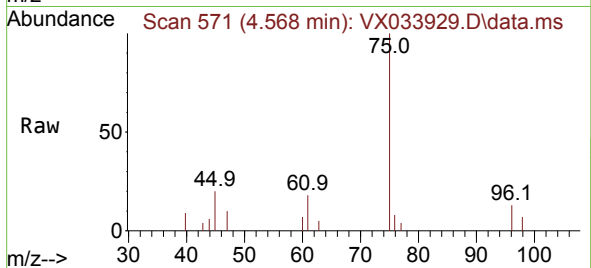
Instrument :

MSVOA_X

ClientSampleId :

MW-22DL

Tgt Ion: 43	Resp: 51
Ion Ratio	Lower Upper
43 100	
61 0.0	11.1 16.7#
70 0.0	8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.270 ug/l

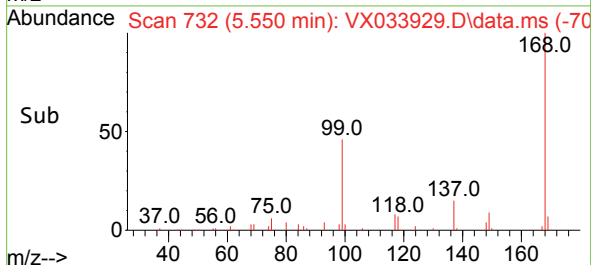
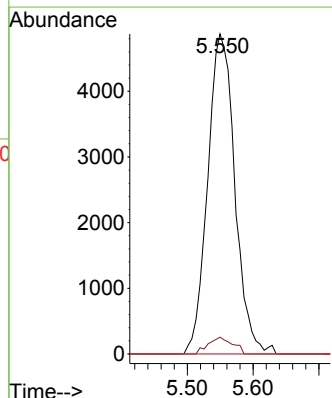
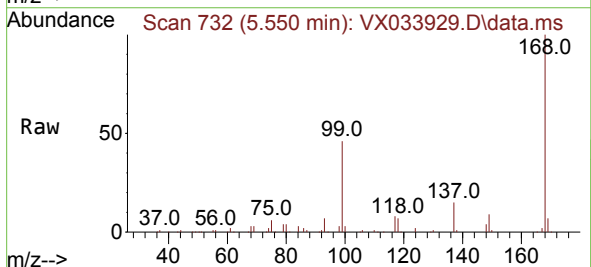
RT: 5.550 min Scan# 732

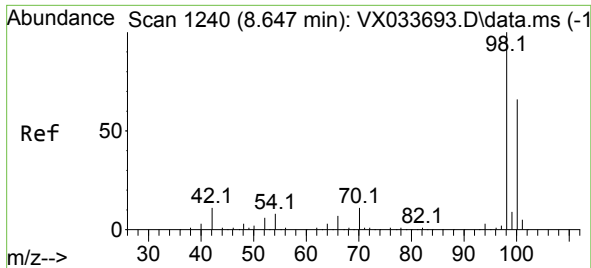
Delta R.T. -0.128 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Tgt Ion: 117	Resp: 14020
Ion Ratio	Lower Upper
117 100	
119 5.3	78.0 117.0#
121 0.0	24.4 36.6#

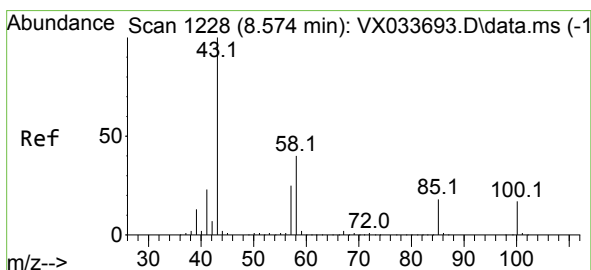
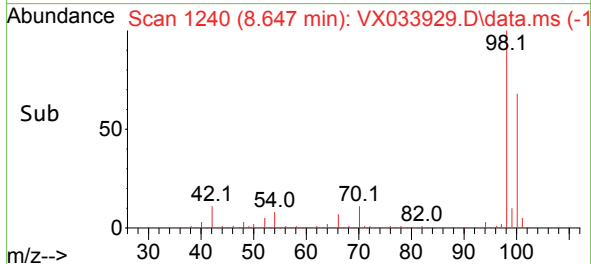
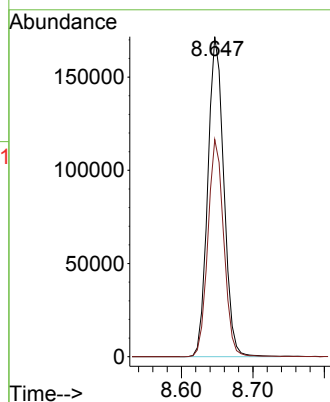
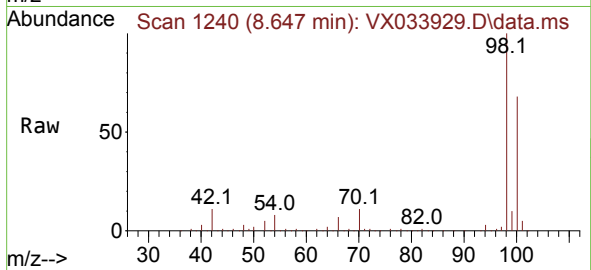




#50
Toluene-d8
Concen: 49.567 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033929.D
Acq: 27 Jan 2023 11:55

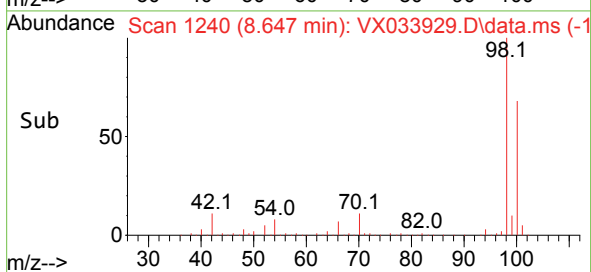
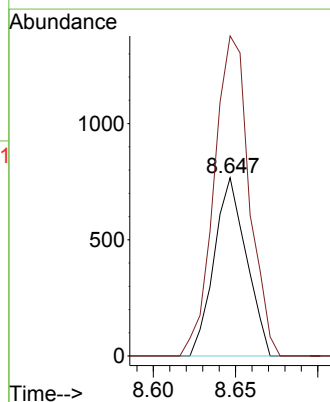
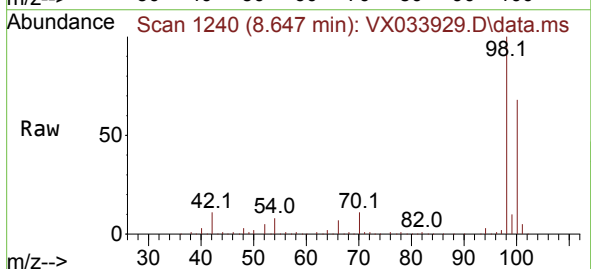
Instrument :
MSVOA_X
ClientSampleId :
MW-22DL

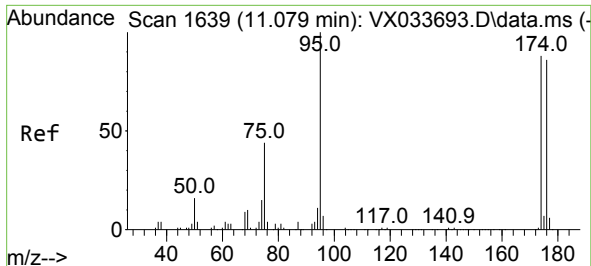
Tgt Ion: 98 Resp: 267166
Ion Ratio Lower Upper
98 100
100 67.3 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX033929.D
Acq: 27 Jan 2023 11:55

Tgt Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
58 196.0 31.2 46.8#

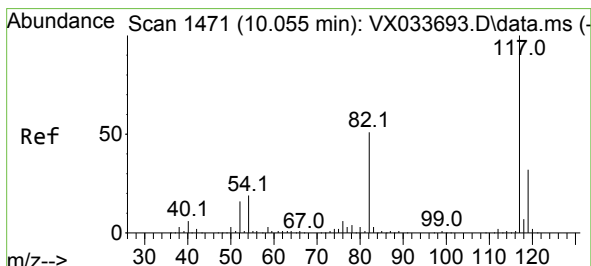
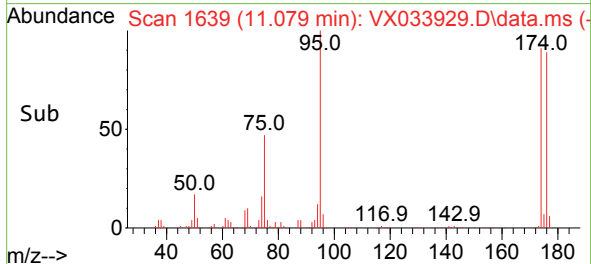
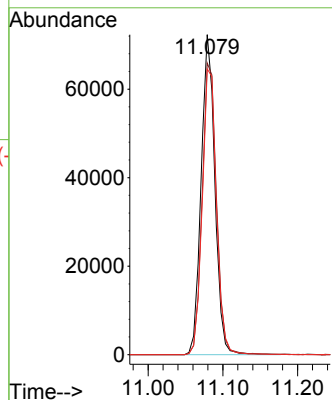
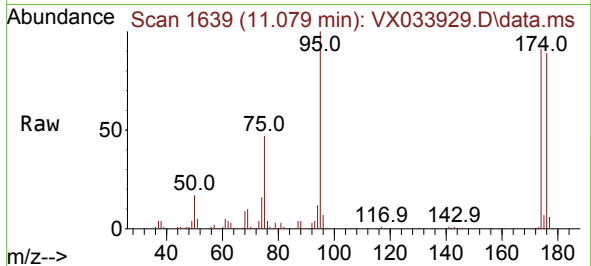




#62
4-Bromofluorobenzene
Concen: 46.022 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033929.D
Acq: 27 Jan 2023 11:55

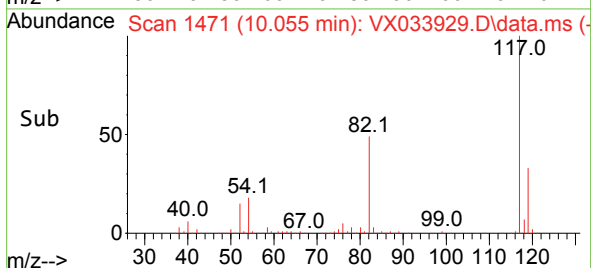
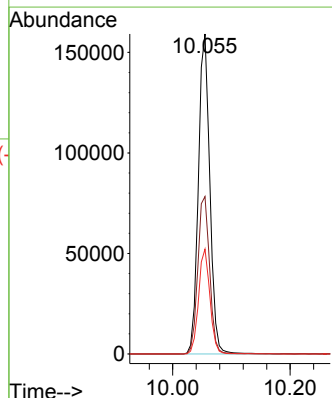
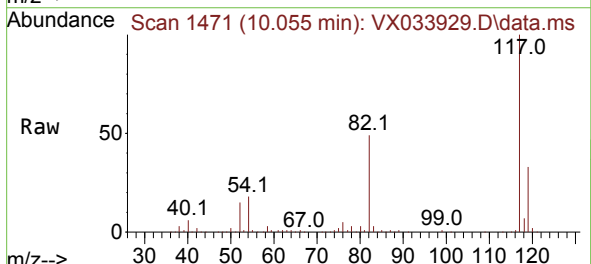
Instrument :
MSVOA_X
ClientSampleId :
MW-22DL

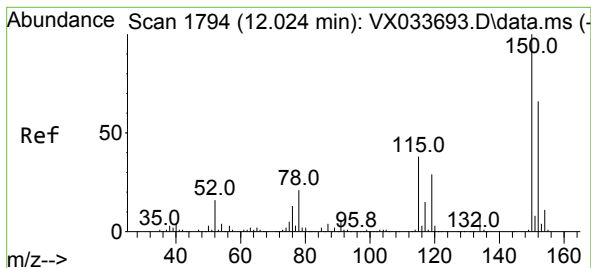
Tgt Ion: 95 Resp: 92100
Ion Ratio Lower Upper
95 100
174 95.1 0.0 184.4
176 92.6 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033929.D
Acq: 27 Jan 2023 11:55

Tgt Ion: 117 Resp: 214726
Ion Ratio Lower Upper
117 100
82 49.2 40.6 60.8
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

MW-22DL

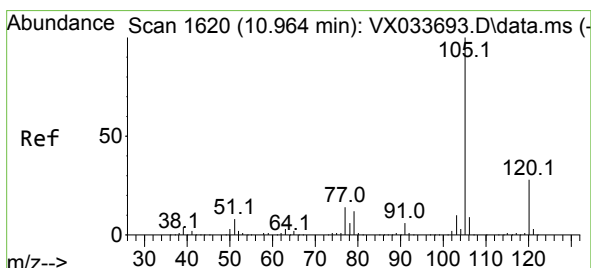
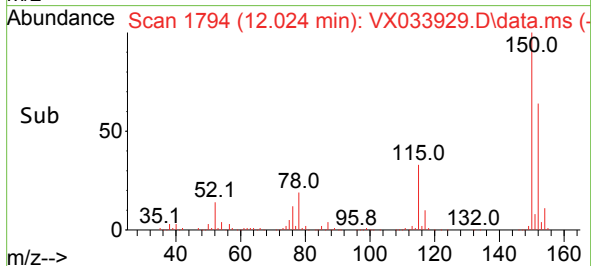
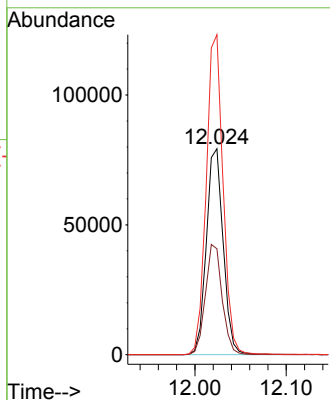
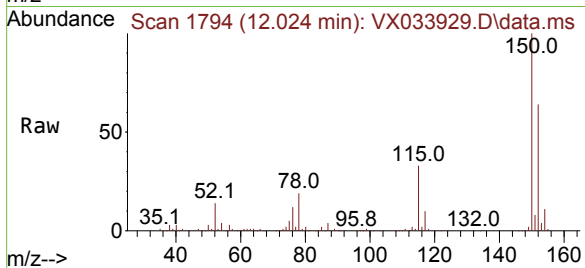
Tgt Ion:152 Resp: 101352

Ion Ratio Lower Upper

152 100

115 53.2 38.7 116.1

150 155.3 0.0 348.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 10.963 min Scan# 1620

Delta R.T. -0.001 min

Lab File: VX033929.D

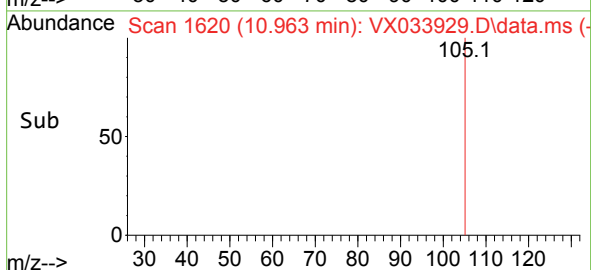
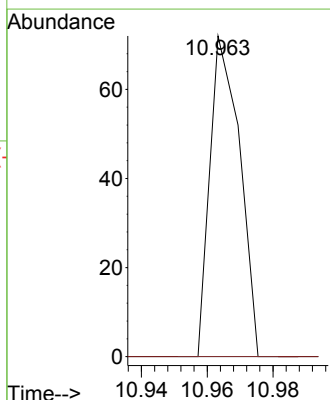
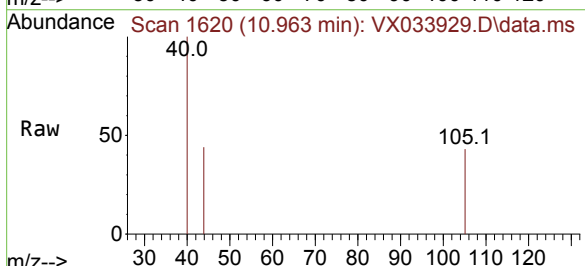
Acq: 27 Jan 2023 11:55

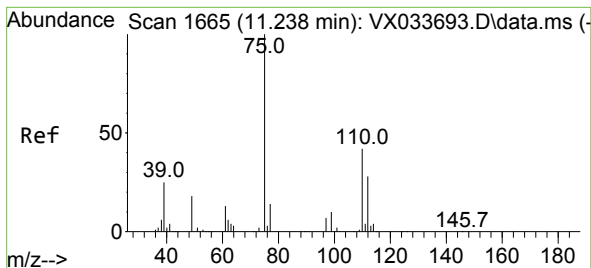
Tgt Ion:105 Resp: 45

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#





#76

1,2,3-Trichloropropane

Concen: 23.182 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX033929.D

Acq: 27 Jan 2023 11:55

Instrument :

MSVOA_X

ClientSampleId :

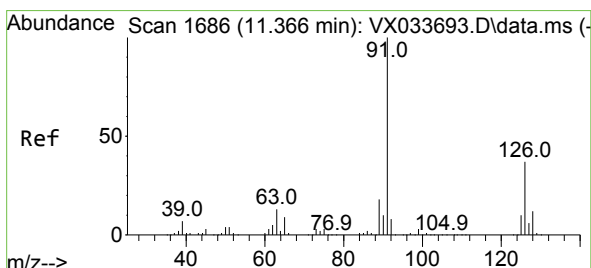
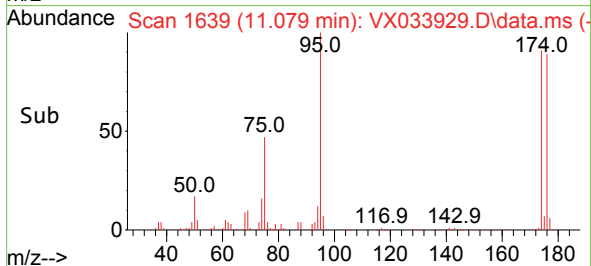
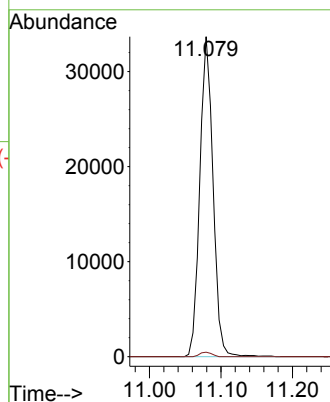
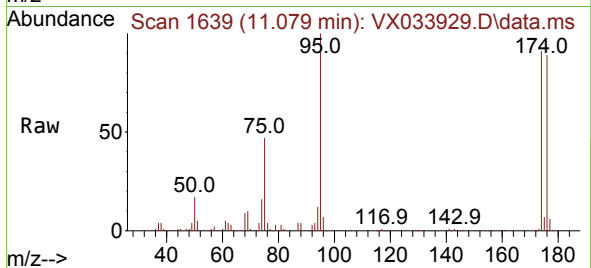
MW-22DL

Tgt Ion: 75 Resp: 43170

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.4#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.457 min Scan# 1701

Delta R.T. 0.091 min

Lab File: VX033929.D

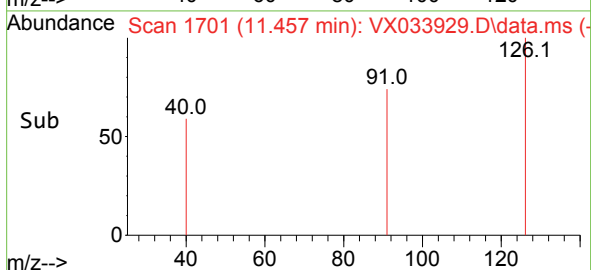
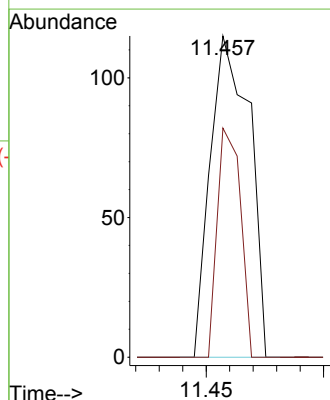
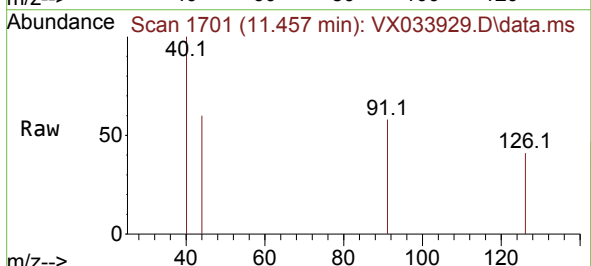
Acq: 27 Jan 2023 11:55

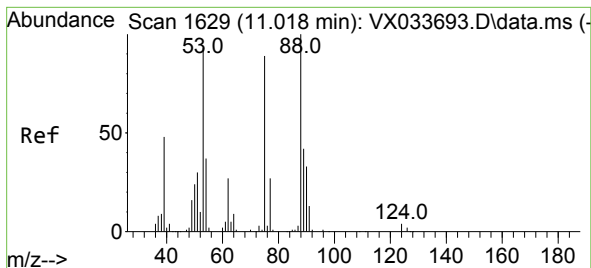
Tgt Ion: 91 Resp: 134

Ion Ratio Lower Upper

91 100

126 41.8 18.1 54.1

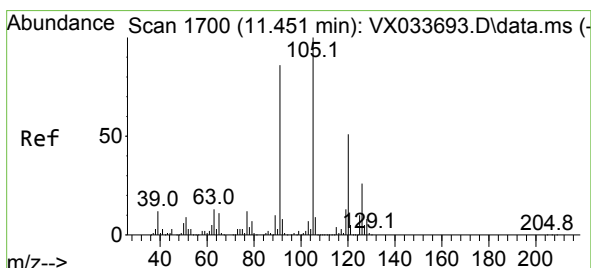
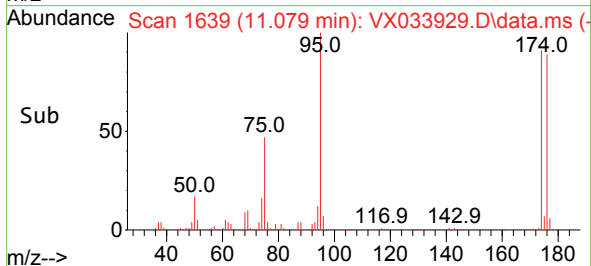
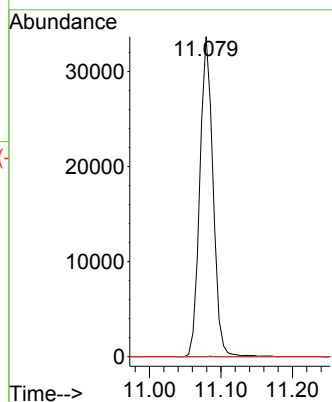
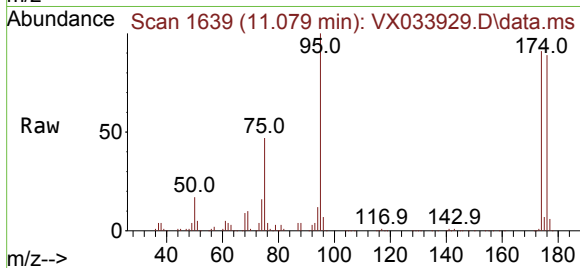




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.048 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX033929.D
 Acq: 27 Jan 2023 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22DL

Tgt Ion: 75 Resp: 43170
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.1 37.7 56.5#



#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.457 min Scan# 1701
 Delta R.T. 0.006 min
 Lab File: VX033929.D
 Acq: 27 Jan 2023 11:55

Tgt Ion: 91 Resp: 134
 Ion Ratio Lower Upper
 91 100
 126 41.8 15.8 47.4

