

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012623\
 Data File : VX033915.D
 Acq On : 26 Jan 2023 17:28
 Operator : JC/MD
 Sample : 01323-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22

Quant Time: Jan 27 02:57:47 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)

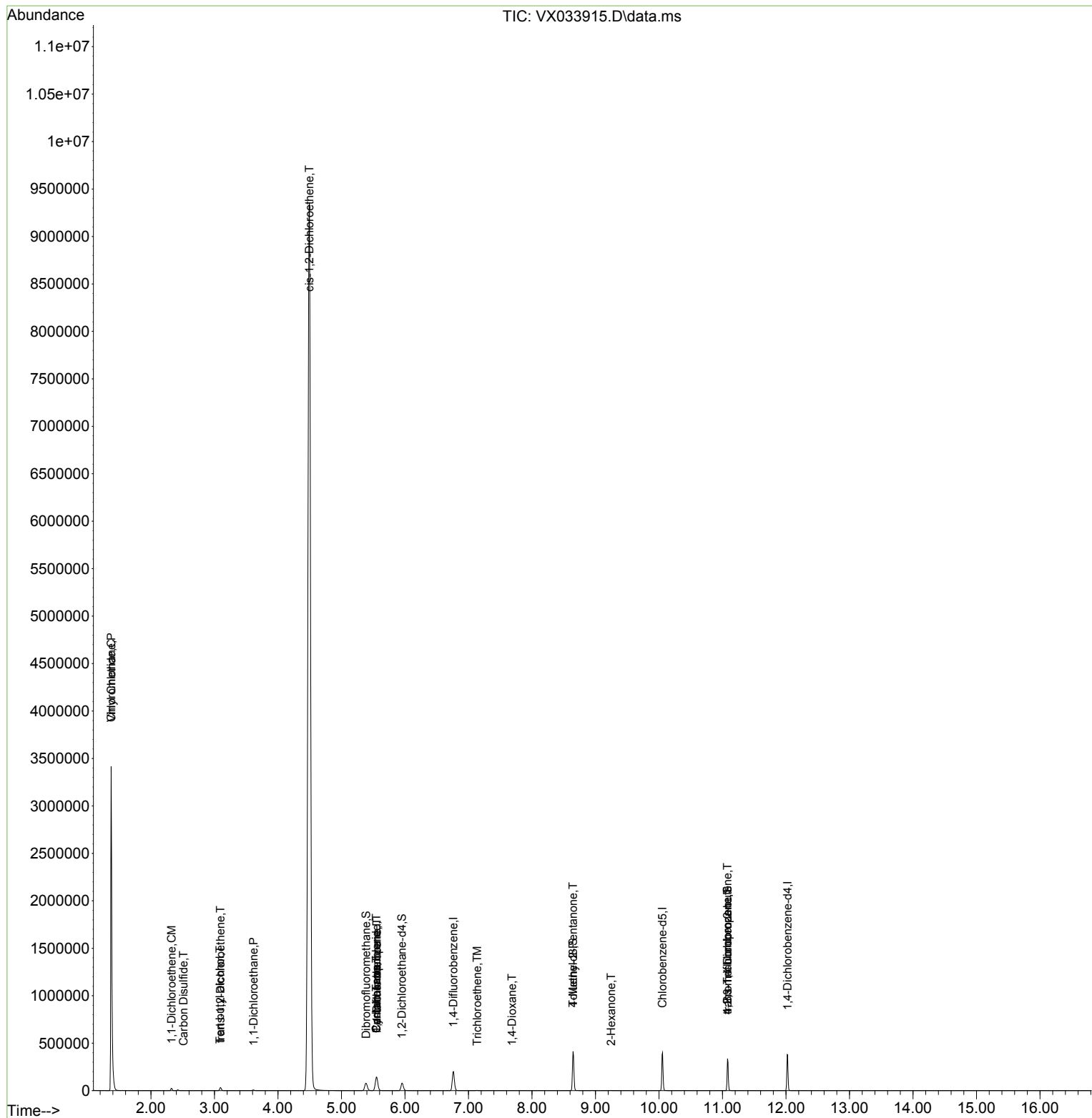
Internal Standards						
1) Pentafluorobenzene	5.556	168	156574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223924	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74053	44.919	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.840%
35) Dibromofluoromethane	5.385	113	69958	50.313	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.620%
50) Toluene-d8	8.647	98	254538	50.243	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.480%
62) 4-Bromofluorobenzene	11.079	95	87574	46.558	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.374	50	14998	10.971	ug/l #	43
4) Vinyl Chloride	1.374	62	2439444	1839.173	ug/l	98
11) Tert butyl alcohol	3.087	59	601	2.099	ug/l #	86
12) 1,1-Dichloroethene	2.325	96	8830	6.931	ug/l	90
16) Acetone	2.374	43	441	Below Cal	#	88
17) Carbon Disulfide	2.514	76	181	1.876	ug/l #	76
20) Methylene Chloride	2.794	84	114	Below Cal	#	69
21) trans-1,2-Dichloroethene	3.093	96	14069	9.446	ug/l	98
24) 1,1-Dichloroethane	3.617	63	8301	3.138	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	6510995	3802.530	ug/l	88
31) Cyclohexane	5.550	56	2289	0.944	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9004	4.437	ug/l #	49
38) Carbon Tetrachloride	5.550	117	13224	6.292	ug/l #	15
44) Trichloroethene	7.135	130	1130	0.683	ug/l	75
49) 1,4-Dioxane	7.684	88	52	1.457	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	999	0.508	ug/l #	1
59) 2-Hexanone	9.244	43	1268	0.926	ug/l	76
73) Isopropylbenzene	11.085	105	147	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	40540	23.931	ug/l #	34
79) 2-Chlorotoluene	11.463	91	27	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40540	74.375	ug/l #	8
82) 4-Chlorotoluene	11.463	91	27	Below Cal	#	43

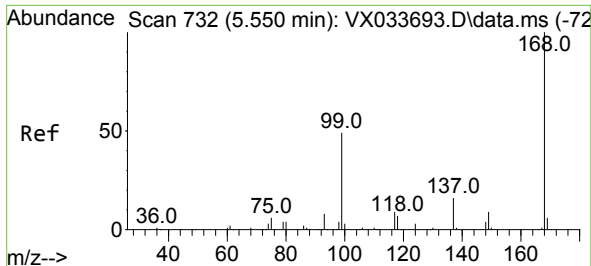
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

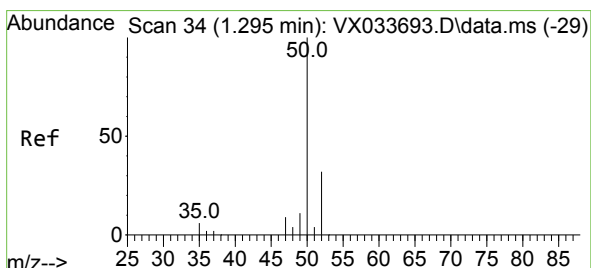
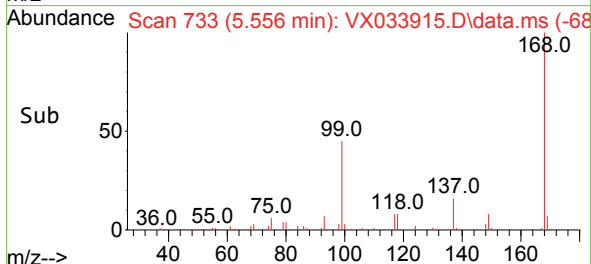
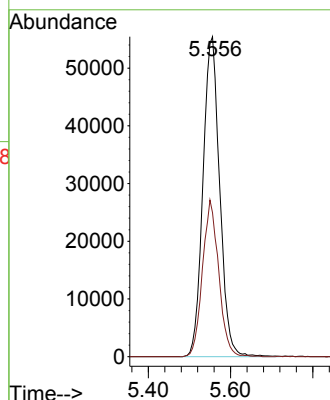
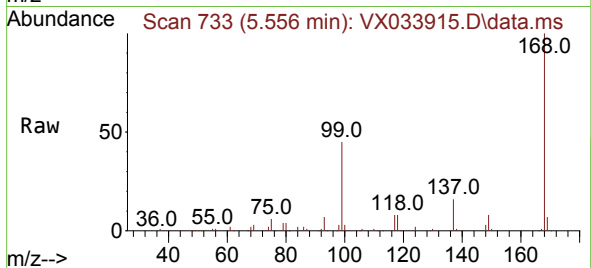




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

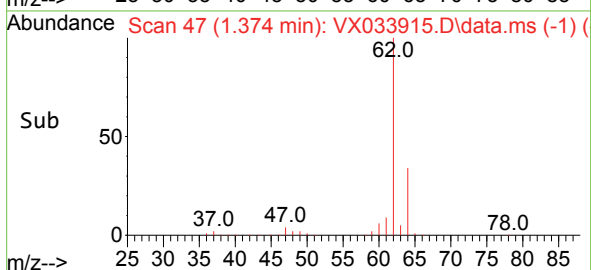
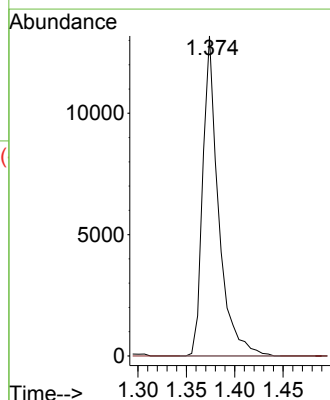
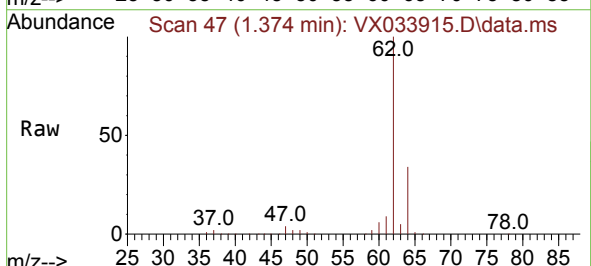
Instrument :
MSVOA_X
ClientSampleId :
MW-22

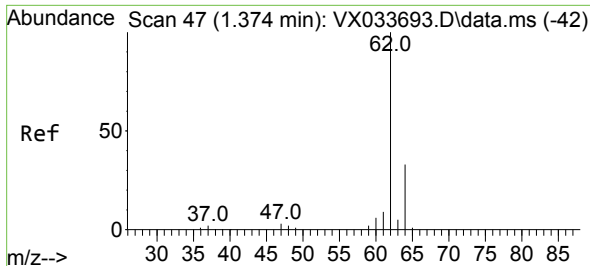
Tgt Ion:168 Resp: 156574
Ion Ratio Lower Upper
168 100
99 45.0 39.6 59.4



#3
Chloromethane
Concen: 10.971 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.079 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 50 Resp: 14998
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#

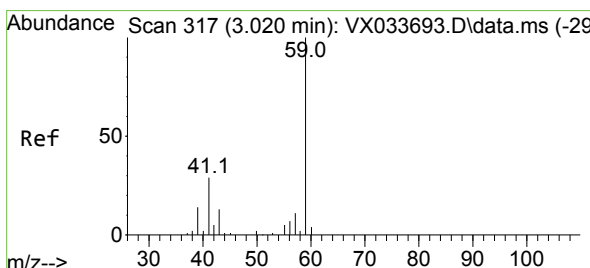
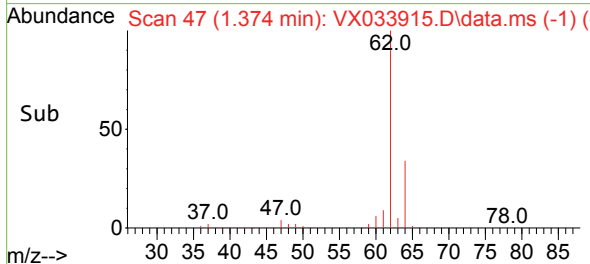
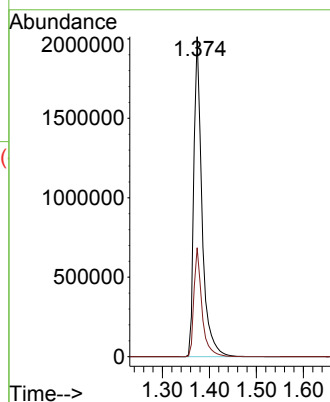
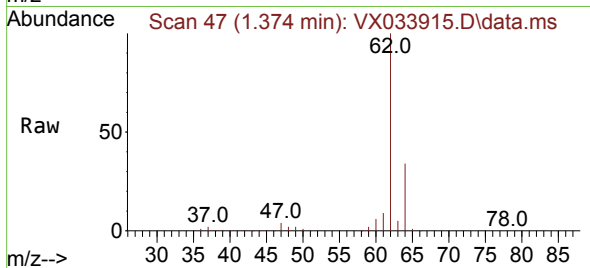




#4
 Vinyl Chloride
 Concen: 1839.173 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX033915.D
 Acq: 26 Jan 2023 17:28

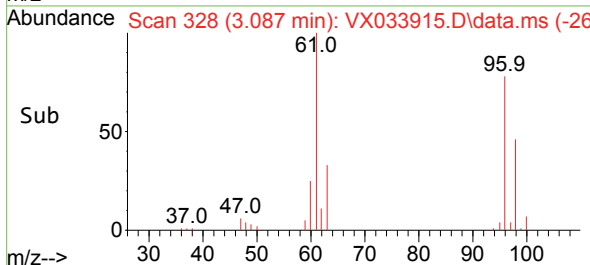
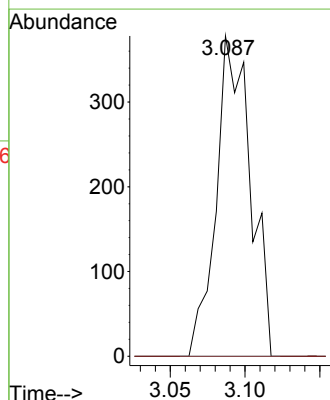
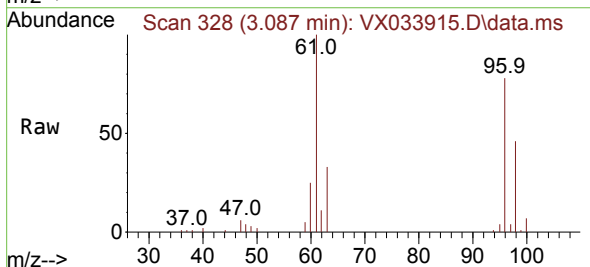
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22

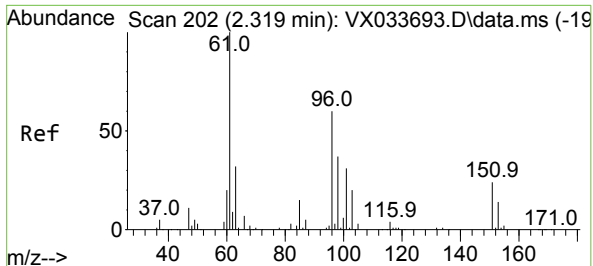
Tgt Ion: 62 Resp: 2439444
 Ion Ratio Lower Upper
 62 100
 64 34.0 26.2 39.4



#11
 Tert butyl alcohol
 Concen: 2.099 ug/l
 RT: 3.087 min Scan# 328
 Delta R.T. 0.067 min
 Lab File: VX033915.D
 Acq: 26 Jan 2023 17:28

Tgt Ion: 59 Resp: 601
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.7 5.5#

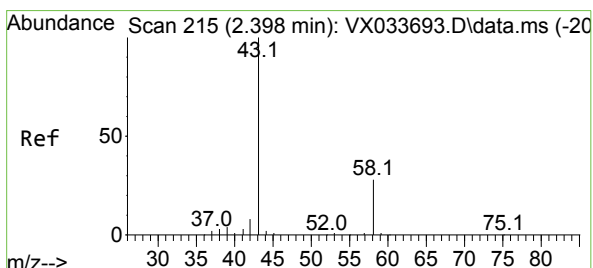
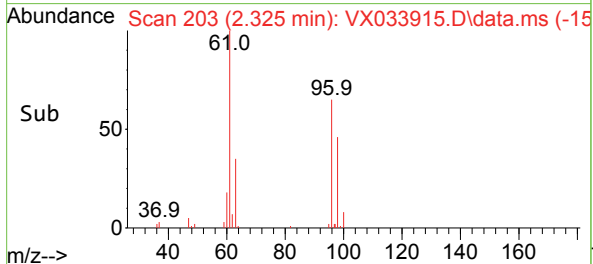
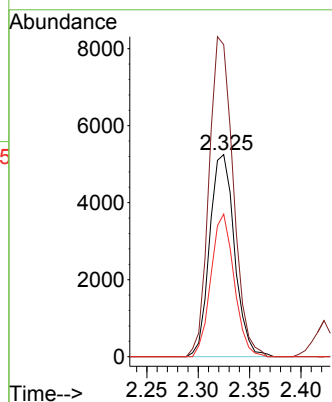
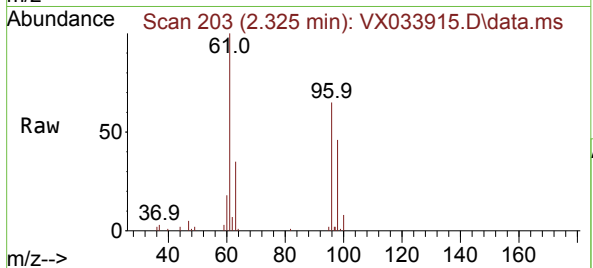




#12
 1,1-Dichloroethene
 Concen: 6.931 ug/l
 RT: 2.325 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX033915.D
 Acq: 26 Jan 2023 17:28

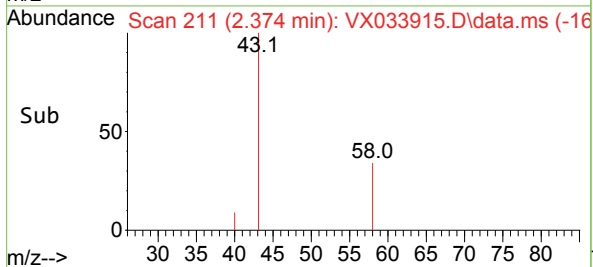
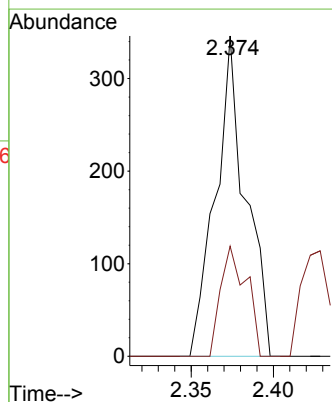
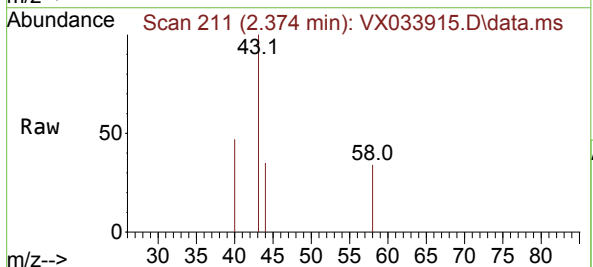
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22

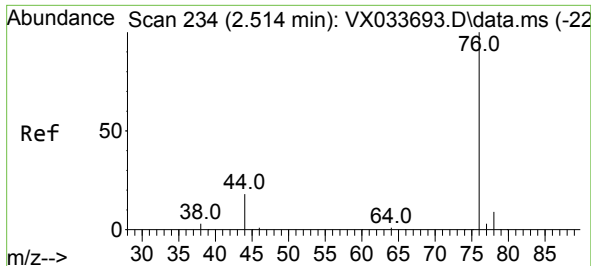
Tgt Ion: 96 Resp: 8830
 Ion Ratio Lower Upper
 96 100
 61 154.4 134.2 201.4
 98 70.5 50.2 75.2



#16
 Acetone
 Concen: Below Cal
 RT: 2.374 min Scan# 211
 Delta R.T. -0.024 min
 Lab File: VX033915.D
 Acq: 26 Jan 2023 17:28

Tgt Ion: 43 Resp: 441
 Ion Ratio Lower Upper
 43 100
 58 34.4 22.6 33.8#





#17

Carbon Disulfide

Concen: 1.876 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033915.D

Acq: 26 Jan 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

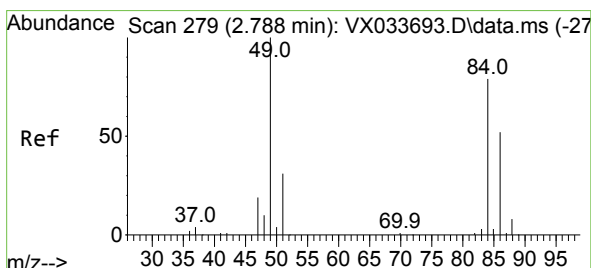
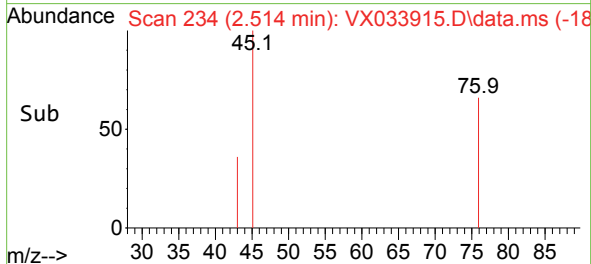
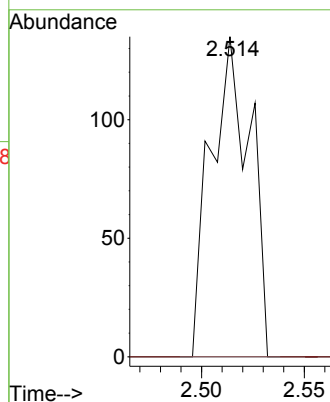
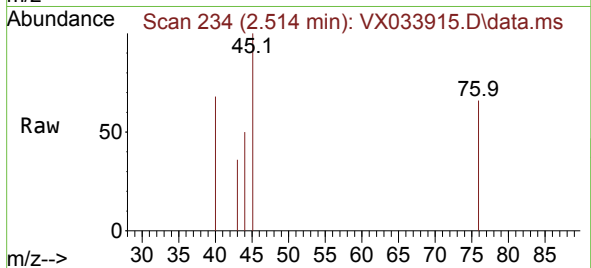
MW-22

Tgt Ion: 76 Resp: 181

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: VX033915.D

Acq: 26 Jan 2023 17:28

Tgt Ion: 84 Resp: 114

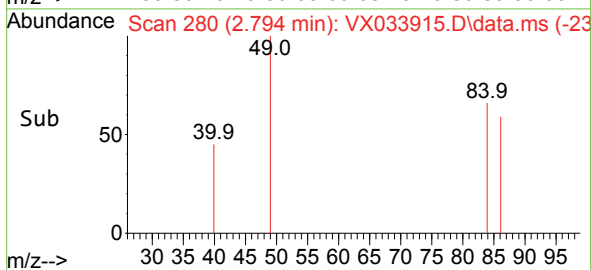
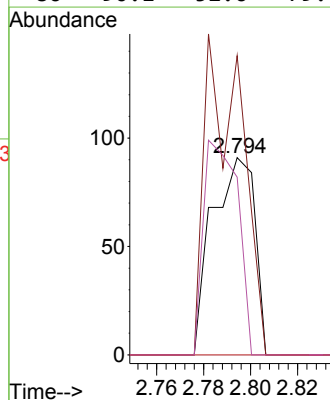
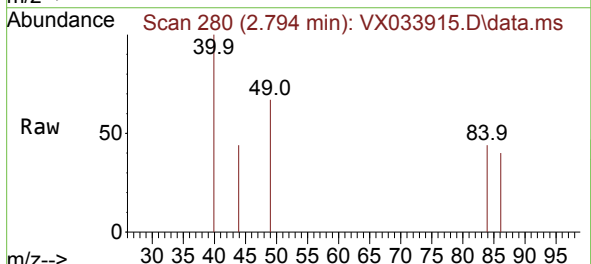
Ion Ratio Lower Upper

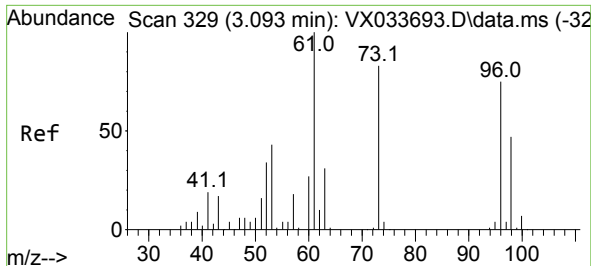
84 100

49 151.6 101.1 151.7

51 0.0 31.0 46.6#

86 90.1 52.6 79.0#

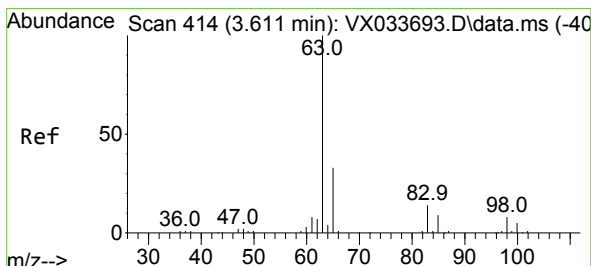
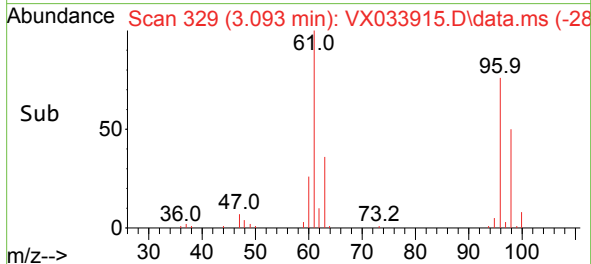
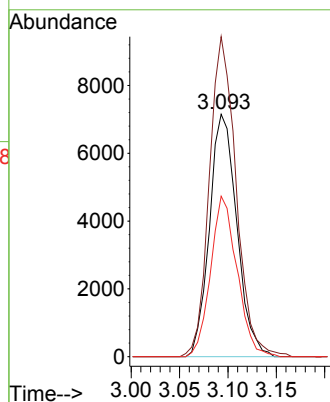
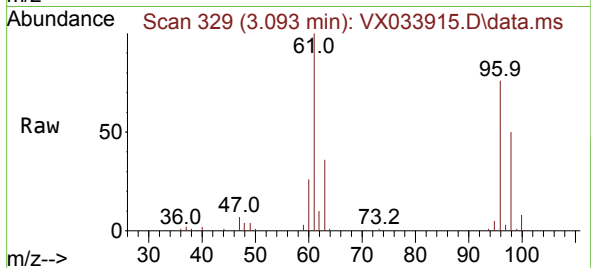




#21
trans-1,2-Dichloroethene
Concen: 9.446 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

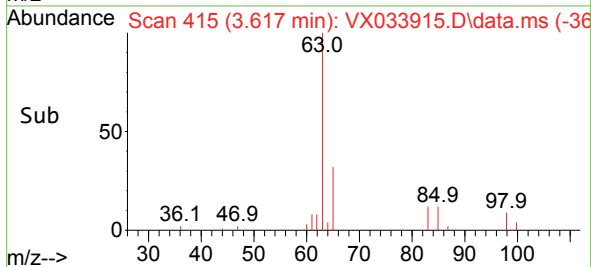
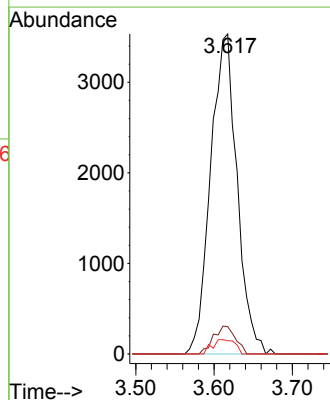
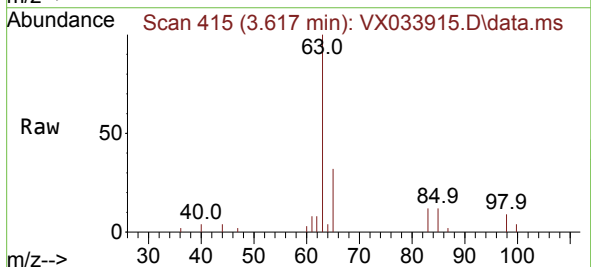
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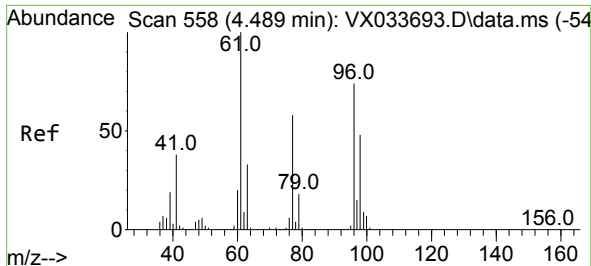
Tgt Ion: 96 Resp: 14069
Ion Ratio Lower Upper
96 100
61 132.0 106.7 160.1
98 66.2 50.0 75.0



#24
1,1-Dichloroethane
Concen: 3.138 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 63 Resp: 8301
Ion Ratio Lower Upper
63 100
98 8.6 3.8 11.2
100 4.1 2.4 7.2





#27

cis-1,2-Dichloroethene

Concen: 3802.530 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033915.D

Acq: 26 Jan 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-22

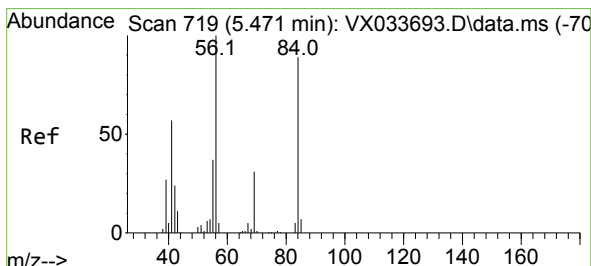
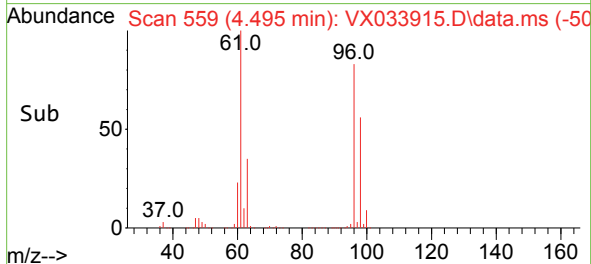
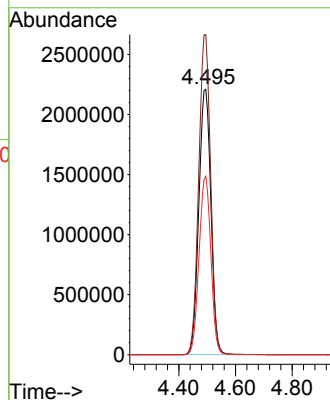
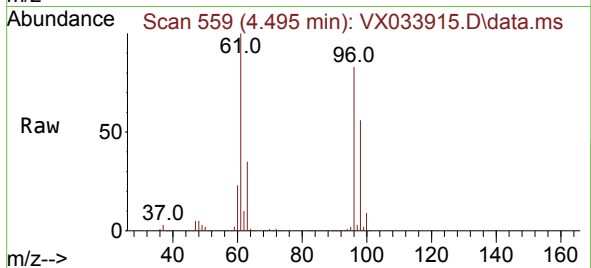
Tgt Ion: 96 Resp: 6510995

Ion Ratio Lower Upper

96 100

61 119.5 0.0 277.6

98 66.0 0.0 128.0



#31

Cyclohexane

Concen: 0.944 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033915.D

Acq: 26 Jan 2023 17:28

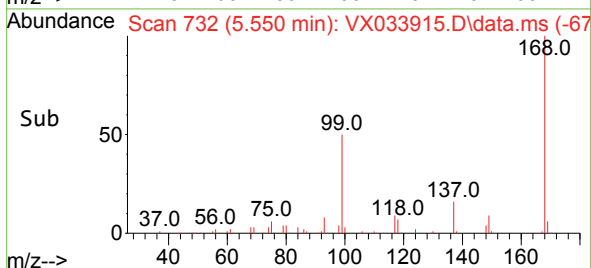
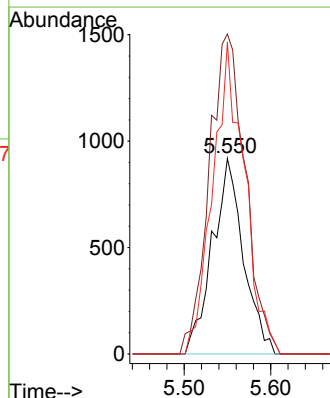
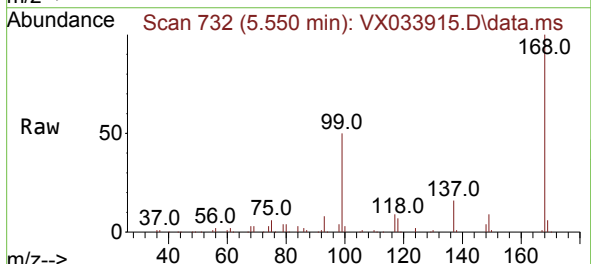
Tgt Ion: 56 Resp: 2289

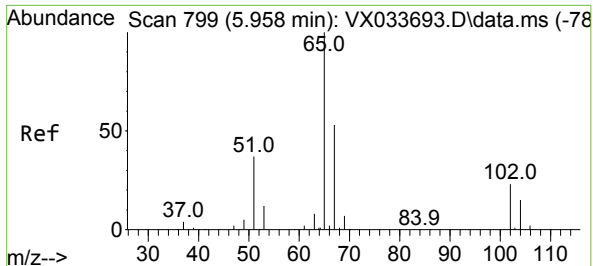
Ion Ratio Lower Upper

56 100

69 163.7 24.6 37.0#

84 159.5 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.919 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033915.D

Acq: 26 Jan 2023 17:28

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ClientSampleId :

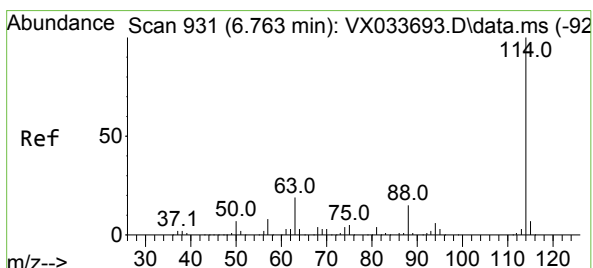
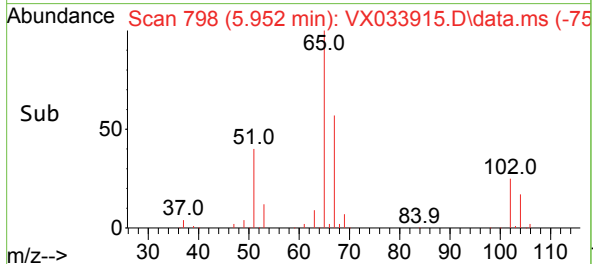
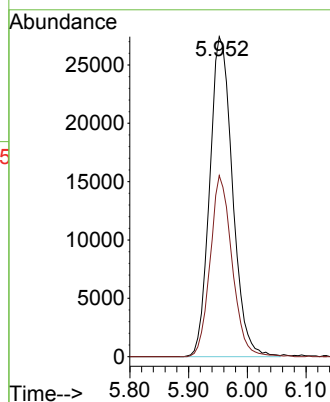
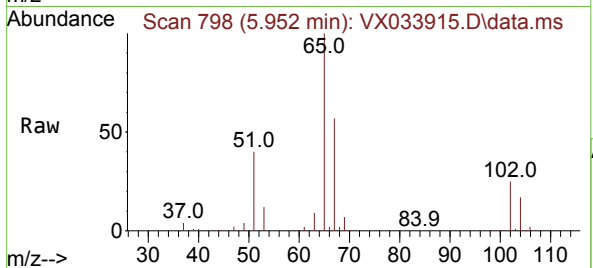
MW-22

Tgt Ion: 65 Resp: 74053

Ion Ratio Lower Upper

65 100

67 54.3 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: VX033915.D

Acq: 26 Jan 2023 17:28

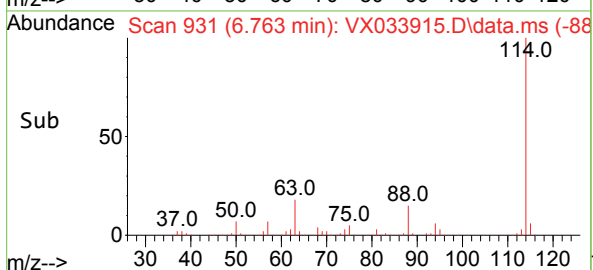
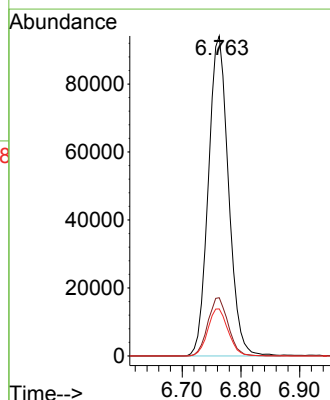
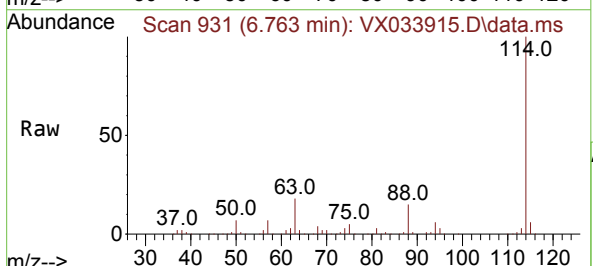
Tgt Ion:114 Resp: 223924

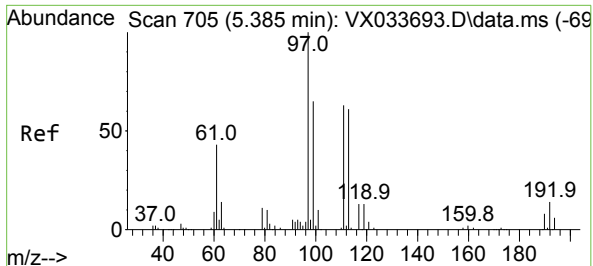
Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.4

88 14.7 0.0 30.6

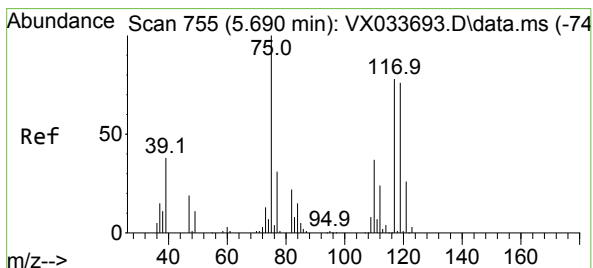
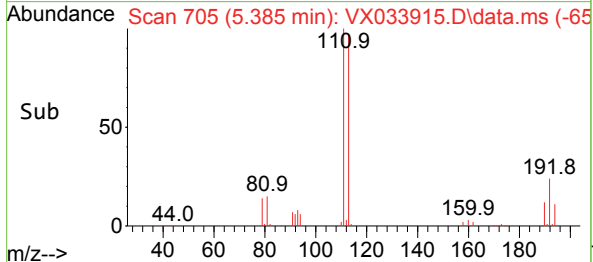
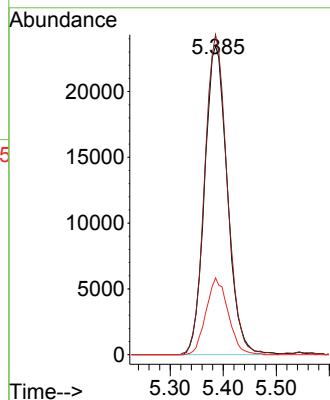
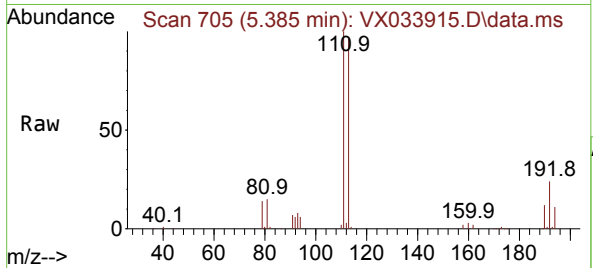




#35
Dibromofluoromethane
Concen: 50.313 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

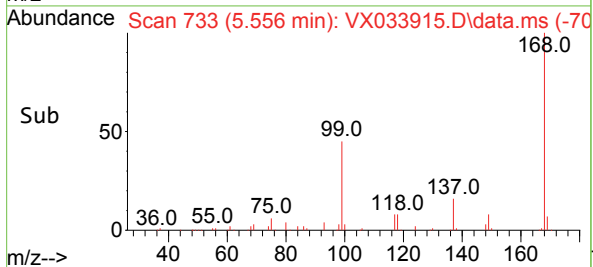
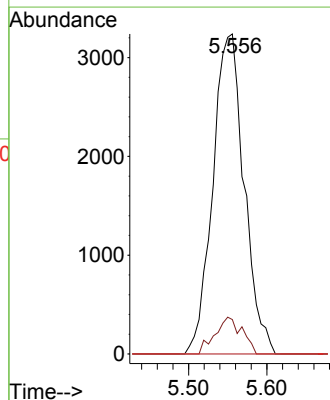
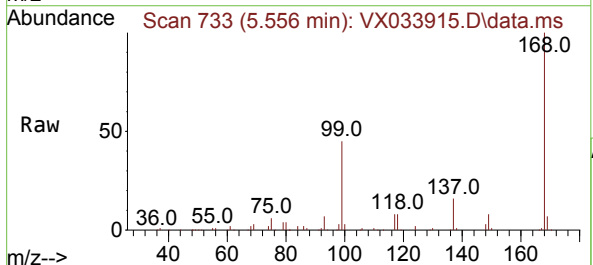
Instrument :
MSVOA_X
ClientSampleId :
MW-22

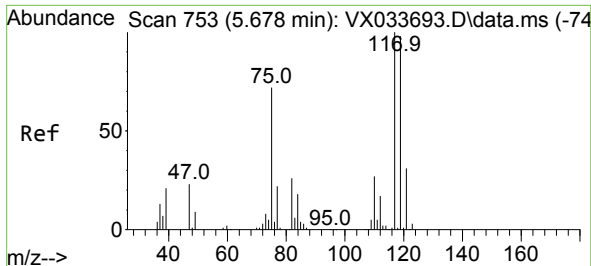
Tgt Ion:113 Resp: 69958
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.6
192 24.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 75 Resp: 9004
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 25.1 37.7#

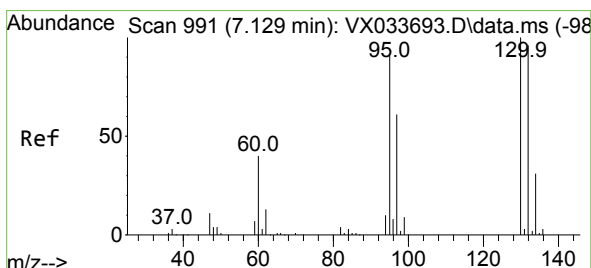
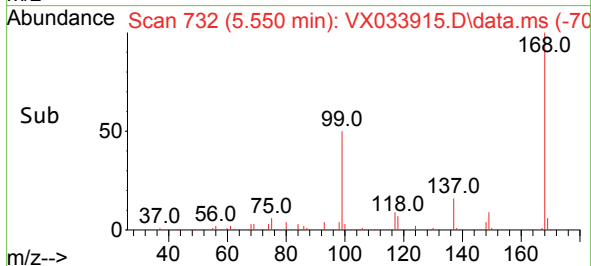
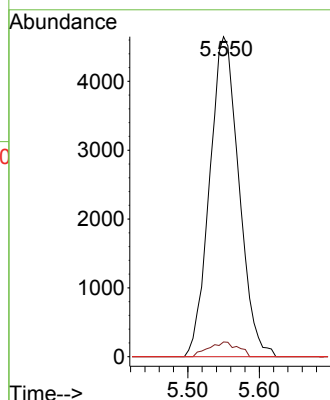
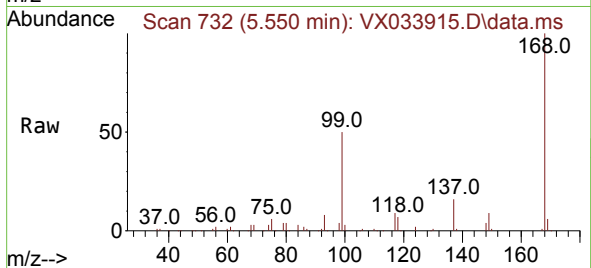




#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

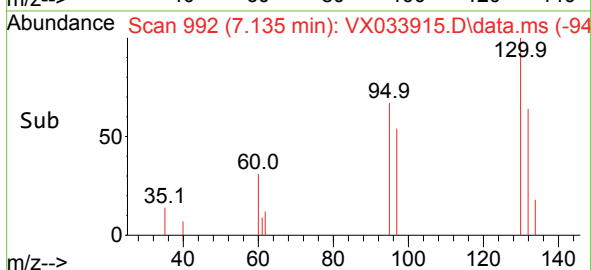
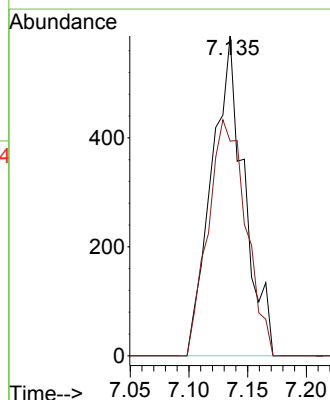
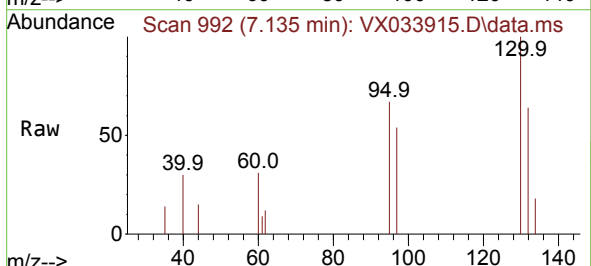
Instrument :
MSVOA_X
ClientSampleId :
MW-22

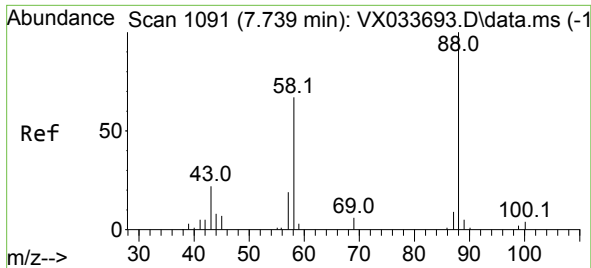
Tgt Ion:117 Resp: 13224
Ion Ratio Lower Upper
117 100
119 4.6 78.0 117.0#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.683 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion:130 Resp: 1130
Ion Ratio Lower Upper
130 100
95 67.1 0.0 182.6

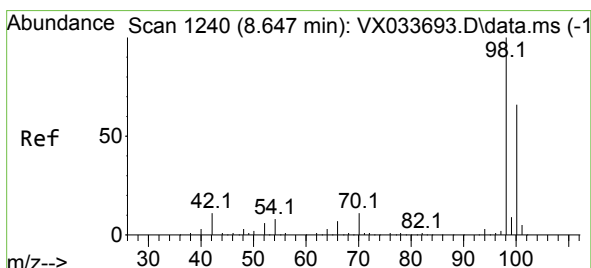
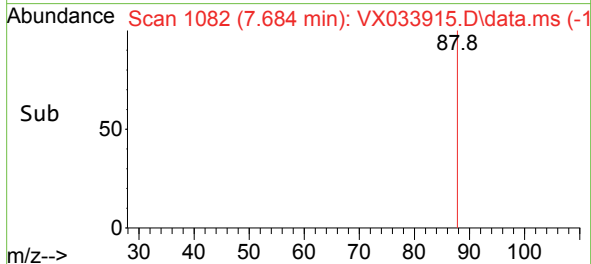
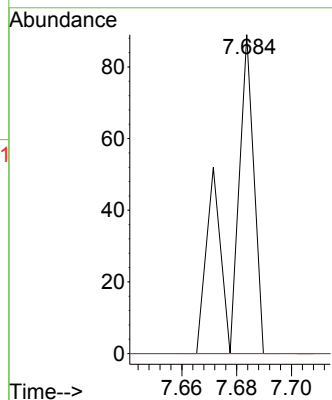
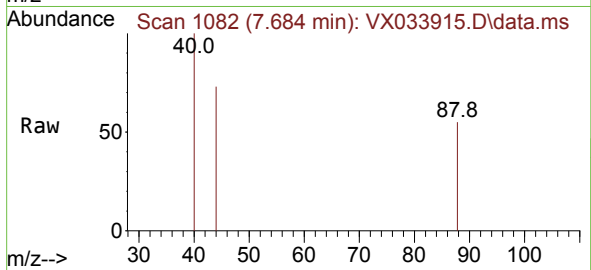




#49
1,4-Dioxane
Concen: 1.457 ug/l
RT: 7.684 min Scan# 1091
Delta R.T. -0.055 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

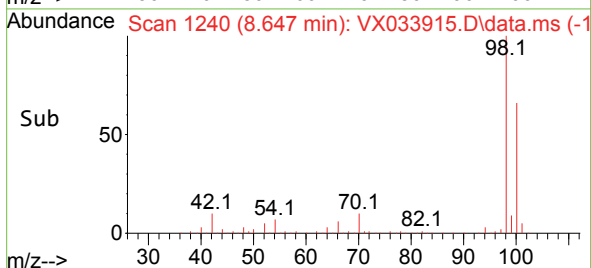
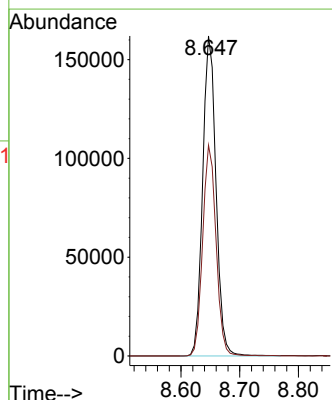
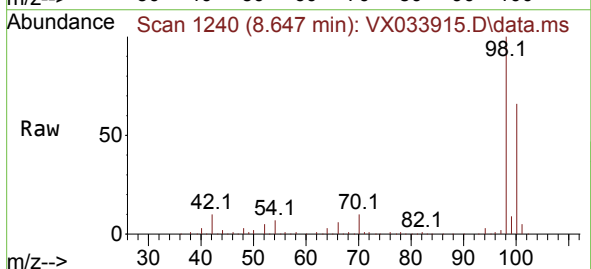
Instrument :
MSVOA_X
ClientSampleId :
MW-22

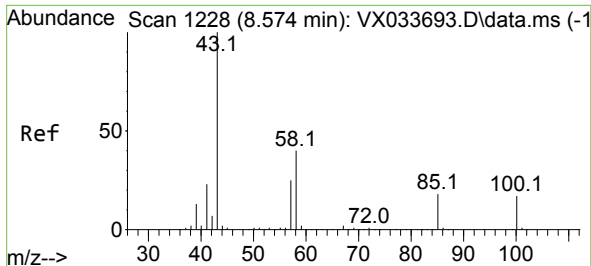
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 56.5 84.7#



#50
Toluene-d8
Concen: 50.243 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 98 Resp: 254538
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4

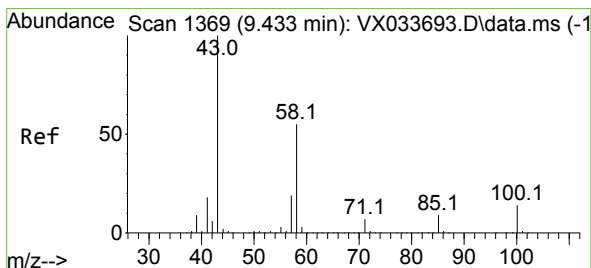
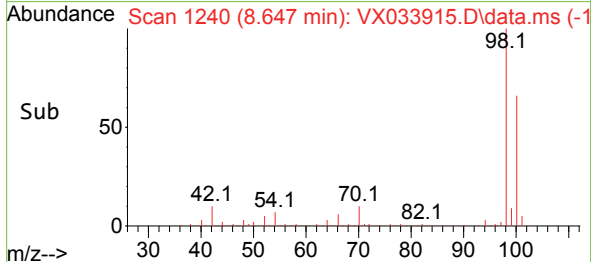
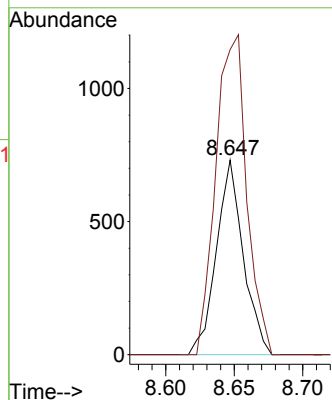
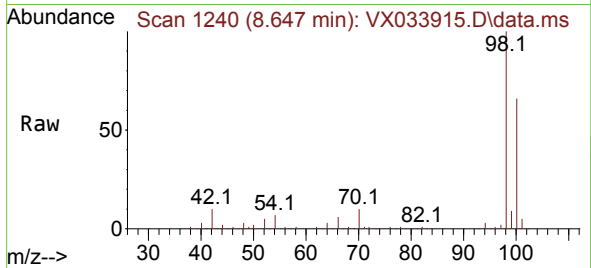




#51
4-Methyl-2-Pentanone
Concen: 0.508 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

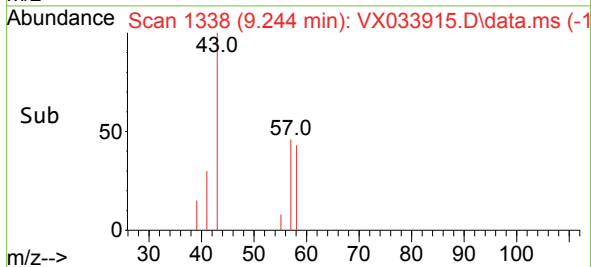
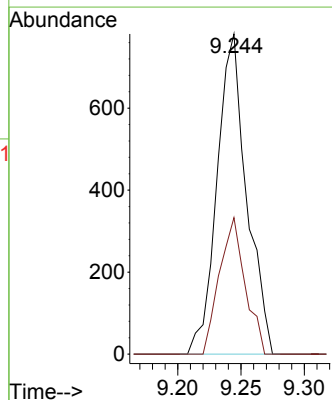
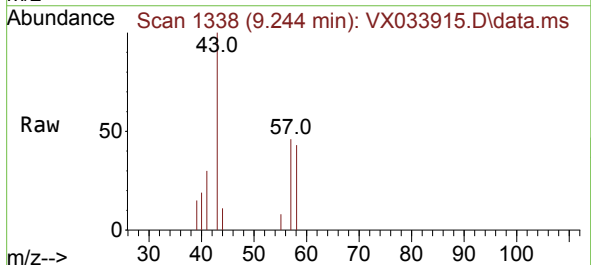
Instrument :
MSVOA_X
ClientSampleId :
MW-22

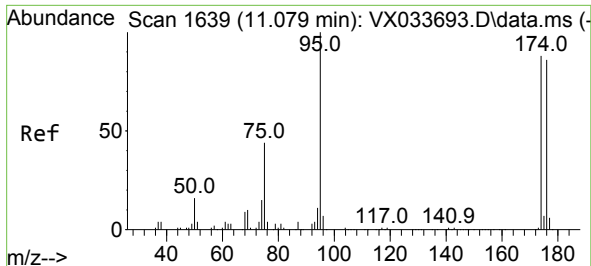
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 188.9 31.2 46.8#



#59
2-Hexanone
Concen: 0.926 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. -0.189 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
58 37.1 27.4 82.0

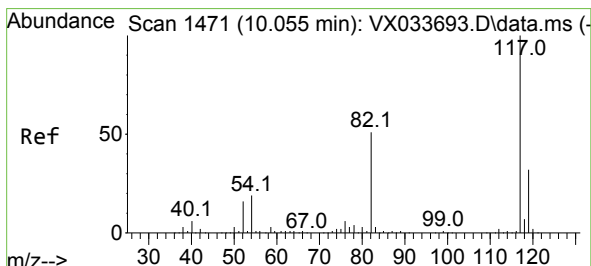
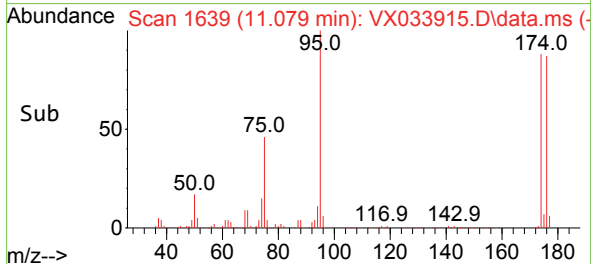
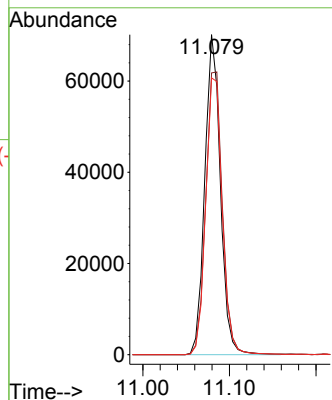
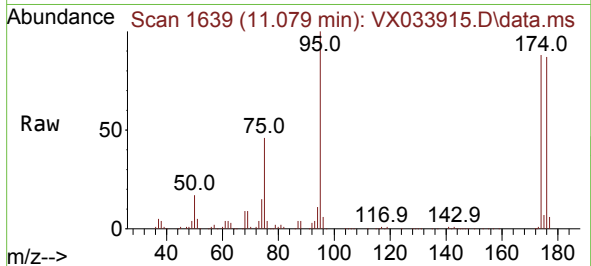




#62
4-Bromofluorobenzene
Concen: 46.558 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

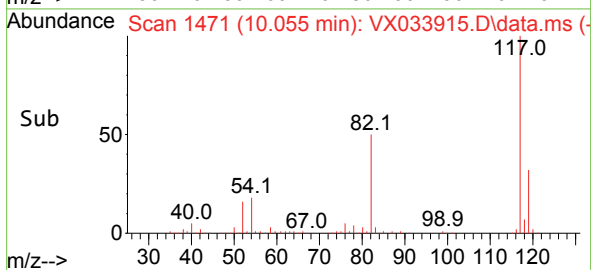
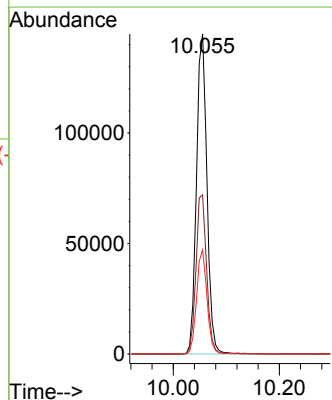
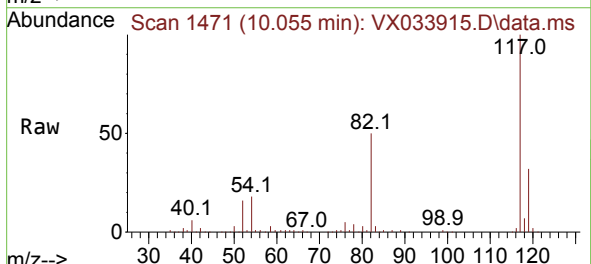
Instrument :
MSVOA_X
ClientSampleId :
MW-22

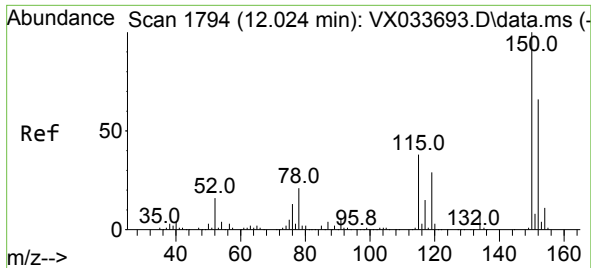
Tgt Ion: 95 Resp: 87574
Ion Ratio Lower Upper
95 100
174 95.0 0.0 184.4
176 92.0 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 117 Resp: 197683
Ion Ratio Lower Upper
117 100
82 49.7 40.6 60.8
119 32.5 25.6 38.4

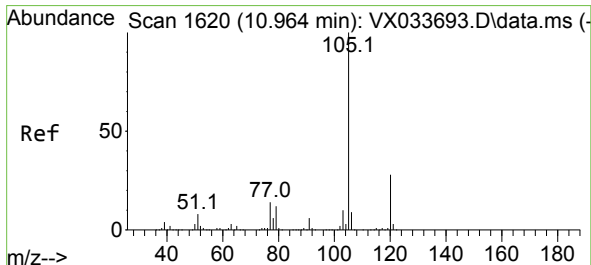
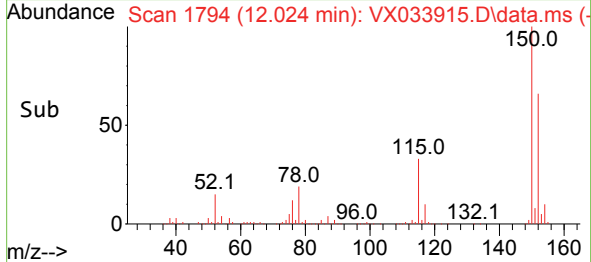
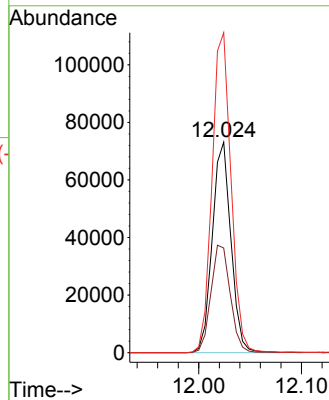
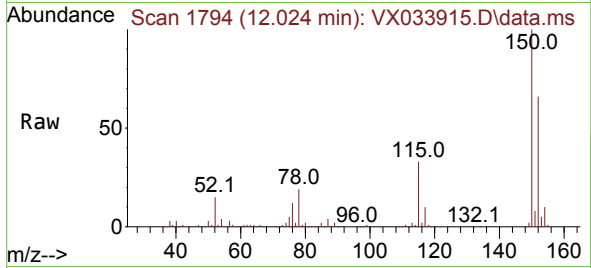




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

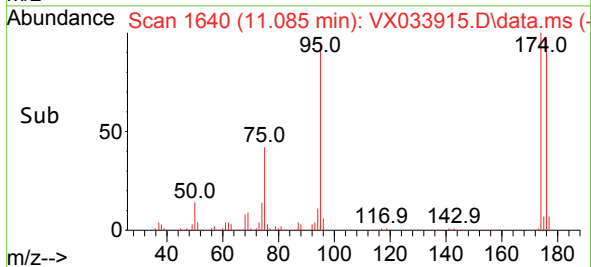
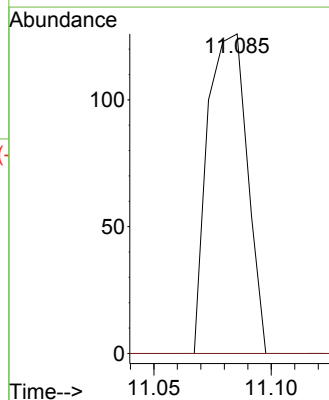
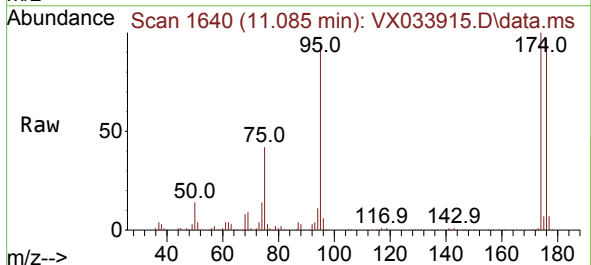
Instrument :
MSVOA_X
ClientSampleId :
MW-22

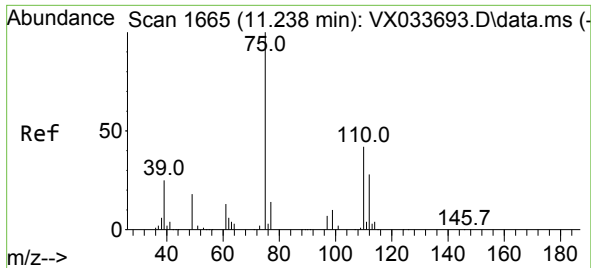
Tgt Ion:152 Resp: 92200
Ion Ratio Lower Upper
152 100
115 53.2 38.7 116.1
150 154.9 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. 0.121 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion:105 Resp: 147
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#

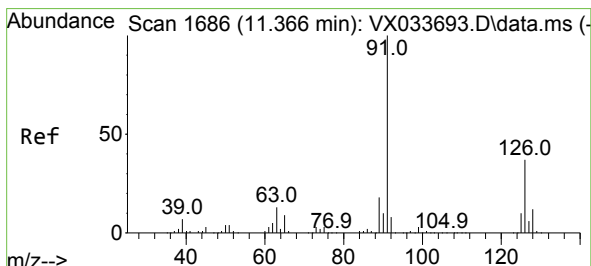
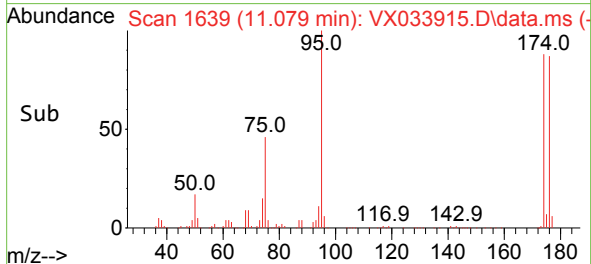
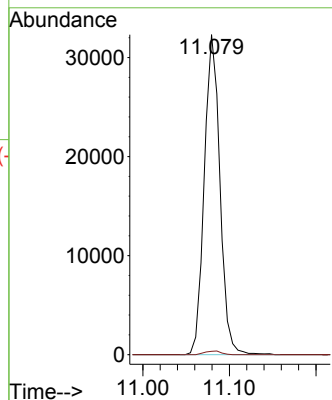
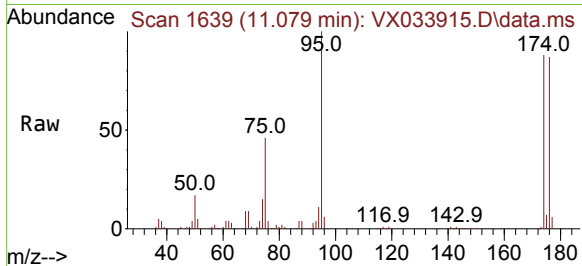




#76
1,2,3-Trichloropropane
Concen: 23.931 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

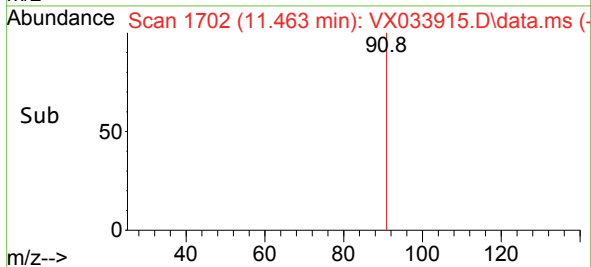
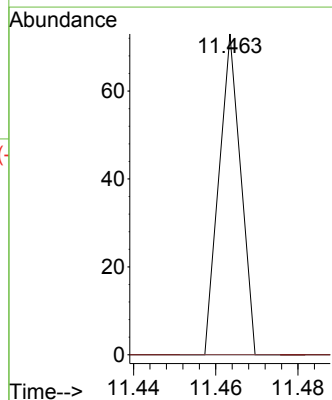
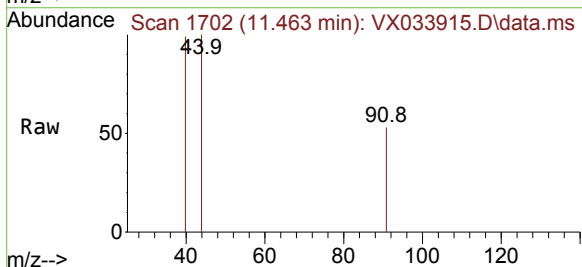
Instrument :
MSVOA_X
ClientSampleId :
MW-22

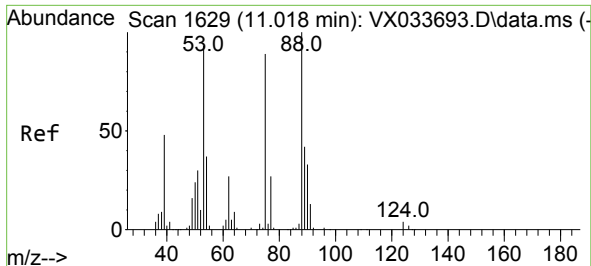
Tgt Ion: 75 Resp: 40540
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.097 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 91 Resp: 27
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

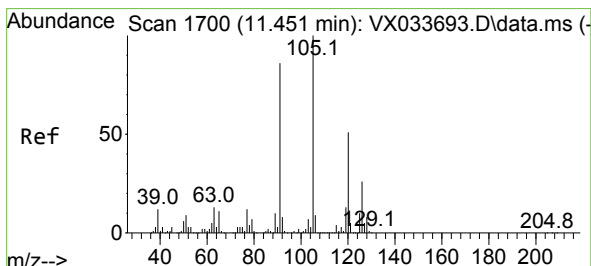
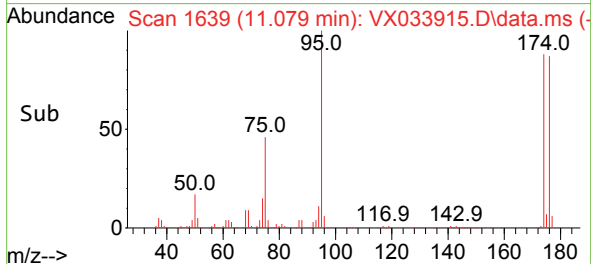
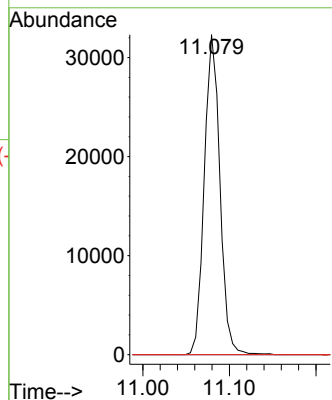
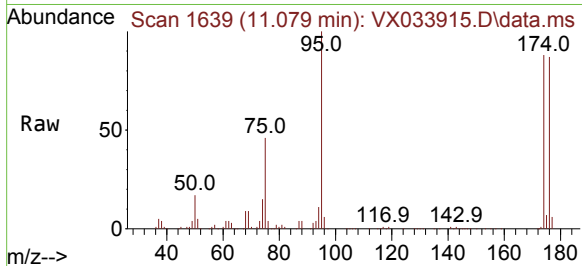




#81
trans-1,4-Dichloro-2-butene
Concen: 74.375 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Instrument :
MSVOA_X
ClientSampleId :
MW-22

Tgt Ion: 75 Resp: 40540
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX033915.D
Acq: 26 Jan 2023 17:28

Tgt Ion: 91 Resp: 27
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

