

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028492.D
 Acq On : 03 May 2022 11:21
 Operator : JC/MD
 Sample : VX0503MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBL01

Quant Time: May 04 06:02:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

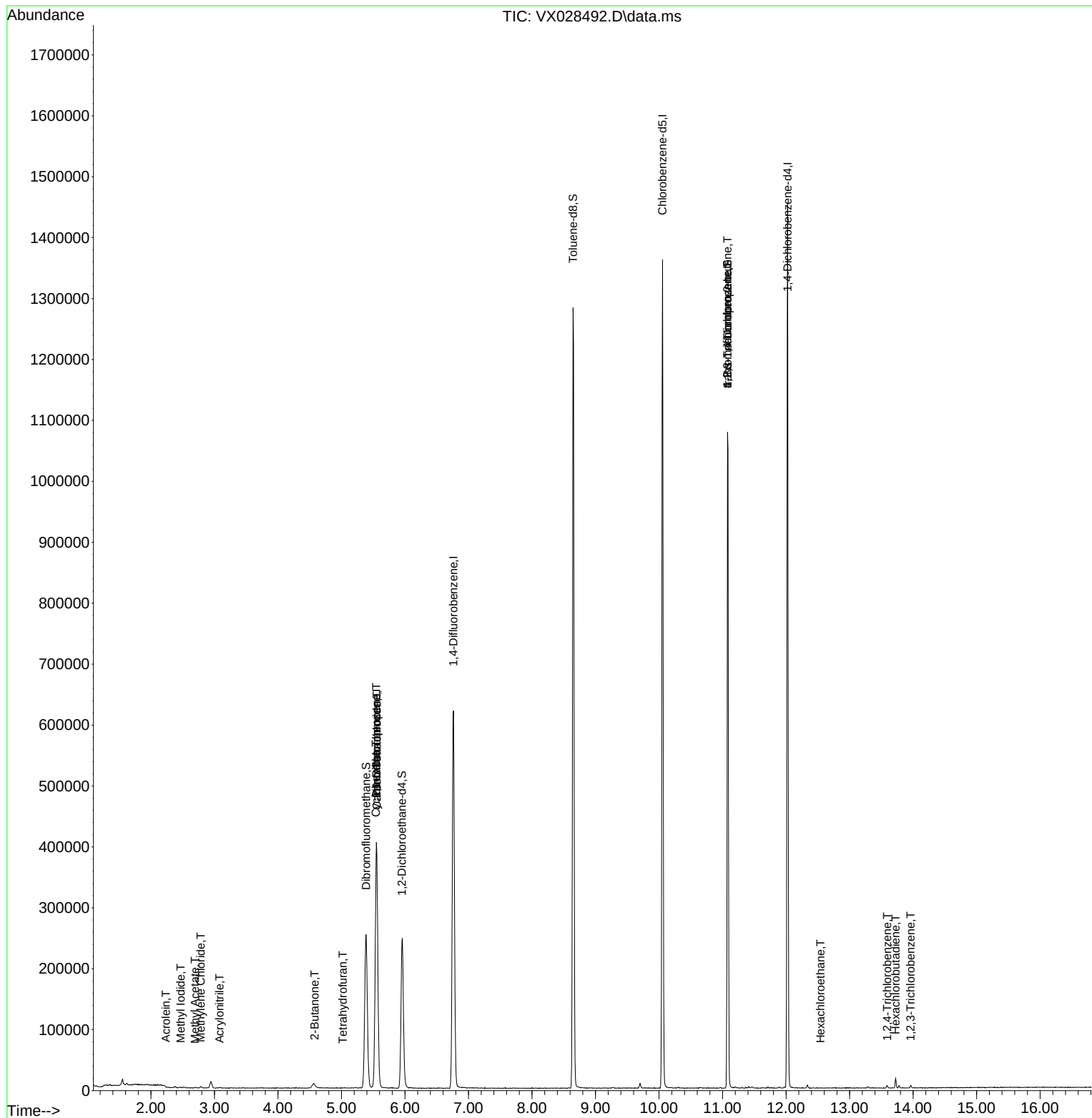
Internal Standards						
1) Pentafluorobenzene	5.550	168	396843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	675967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	644527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	304359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231894	44.816	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.640%		
35) Dibromofluoromethane	5.385	113	217099	45.797	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.600%		
50) Toluene-d8	8.647	98	797944	43.825	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.660%		
62) 4-Bromofluorobenzene	11.079	95	289008	41.514	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	551	Below Cal	#	87
5) Bromomethane	1.617	94	1309	Below Cal		92
6) Chloroethane	1.691	64	217	Below Cal	#	52
8) Diethyl Ether	2.075	74	46	Below Cal	#	7
10) Methyl Iodide	2.465	142	978	5.434 ug/l	#	96
11) Tert butyl alcohol	2.946	59	5641	Below Cal	#	73
13) Acrolein	2.233	56	166	0.262 ug/l	#	73
15) Acrylonitrile	3.081	53	435	0.206 ug/l	#	56
18) Methyl Acetate	2.690	43	1033	0.225 ug/l	#	76
20) Methylene Chloride	2.782	84	992	0.258 ug/l	#	75
25) 2-Butanone	4.574	43	653	0.213 ug/l	#	44
29) Tetrahydrofuran	5.019	42	511	0.256 ug/l	#	45
31) Cyclohexane	5.544	56	7432	1.179 ug/l	#	25
36) 1,1-Dichloropropene	5.550	75	29094	4.705 ug/l	#	49
38) Carbon Tetrachloride	5.556	117	39924	5.719 ug/l	#	16
76) 1,2,3-Trichloropropane	11.079	75	143674	23.986 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	143674	71.279 ug/l	#	15
90) Hexachloroethane	12.542	117	44	1.826 ug/l	#	10
93) 1,2,4-Trichlorobenzene	13.591	180	1485	0.246 ug/l		96
94) Hexachlorobutadiene	13.725	225	1881	0.697 ug/l		92
96) 1,2,3-Trichlorobenzene	13.963	180	1230	0.207 ug/l		95

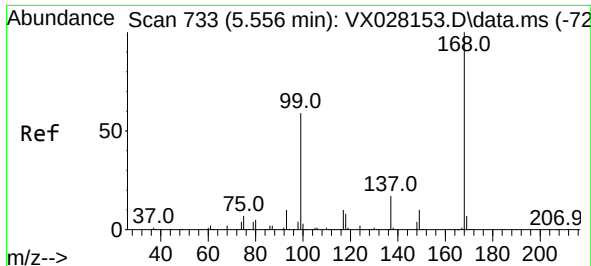
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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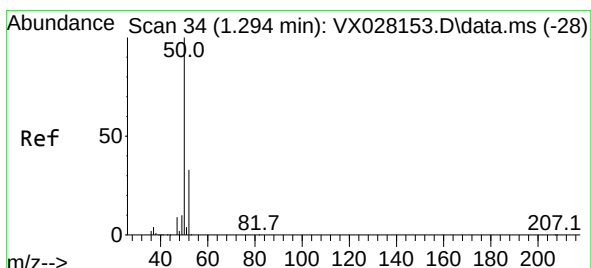
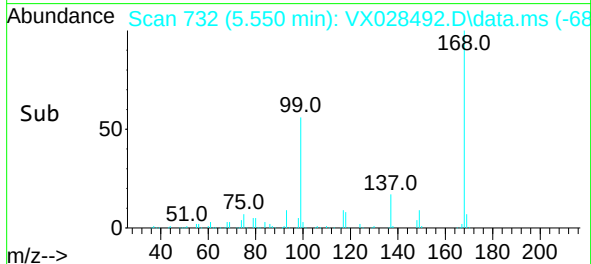
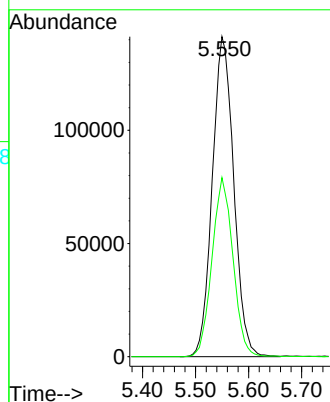
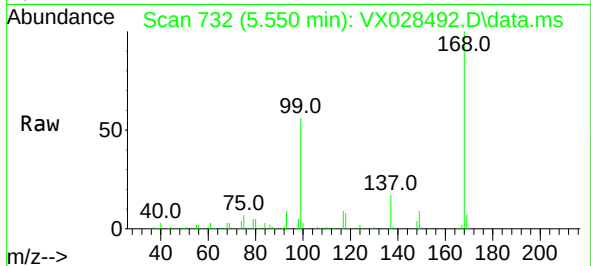




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

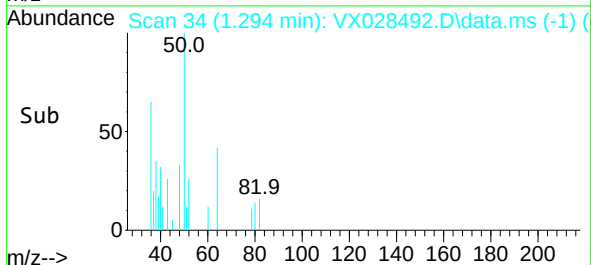
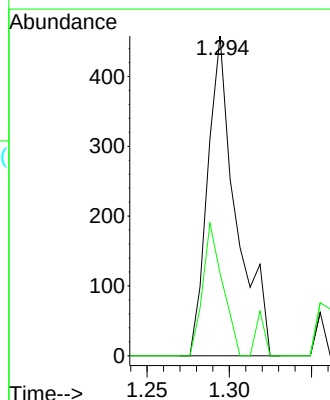
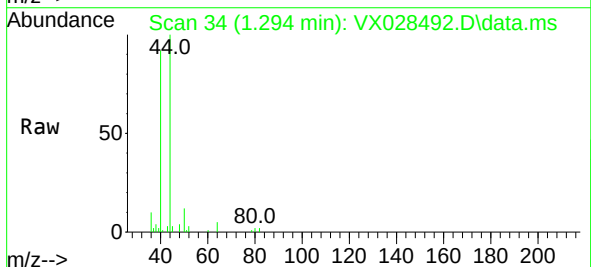
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

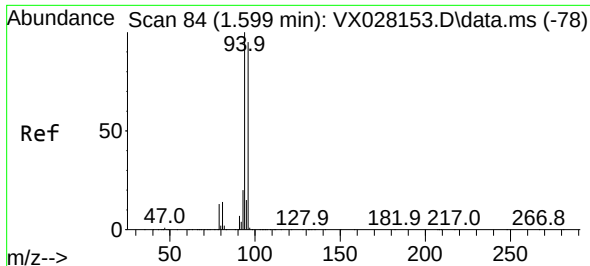
Tgt Ion:168 Resp: 396843
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

Tgt Ion: 50 Resp: 551
Ion Ratio Lower Upper
50 100
52 25.8 26.4 39.6#

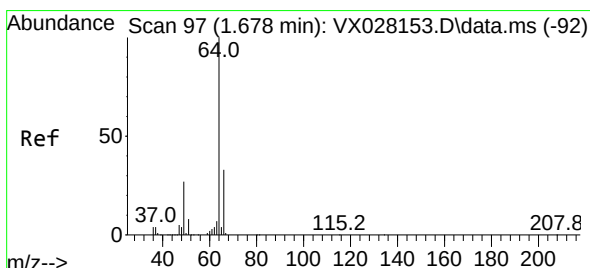
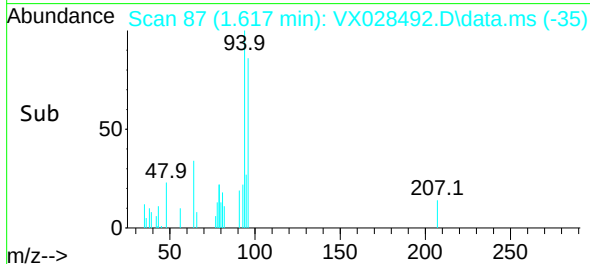
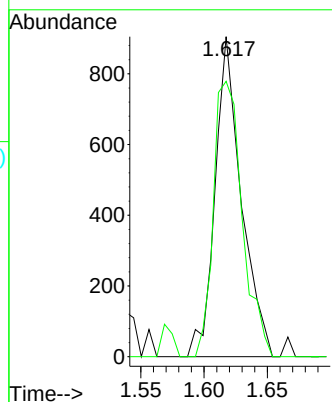
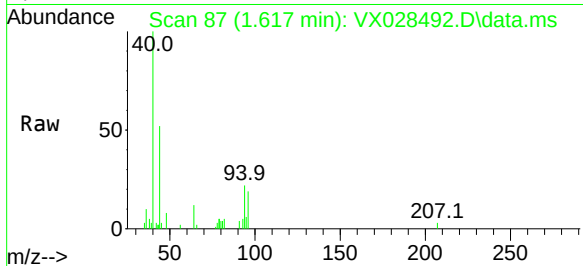




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

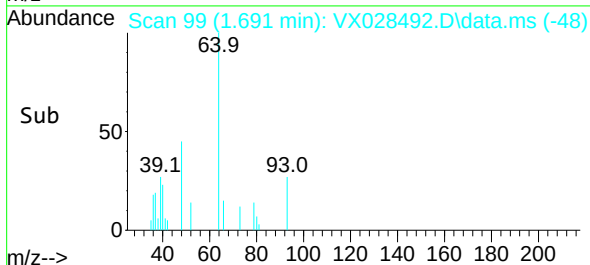
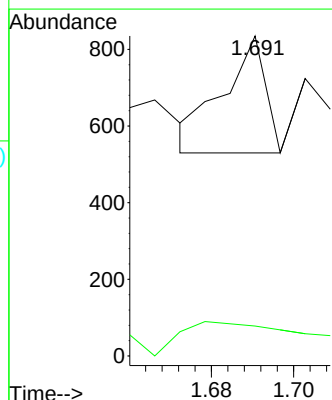
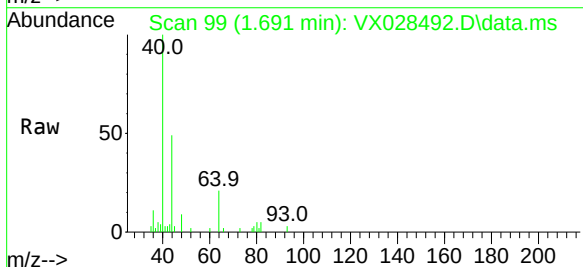
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

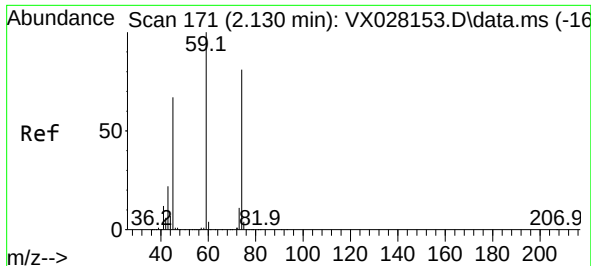
Tgt Ion: 94 Resp: 1309
Ion Ratio Lower Upper
94 100
96 86.1 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 4.9 25.3 37.9#

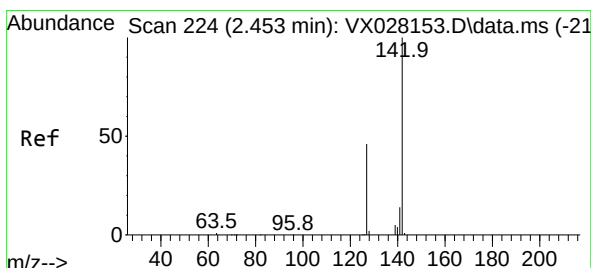
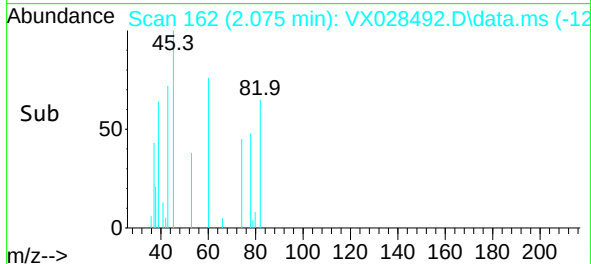
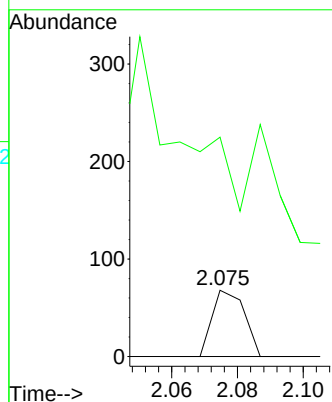
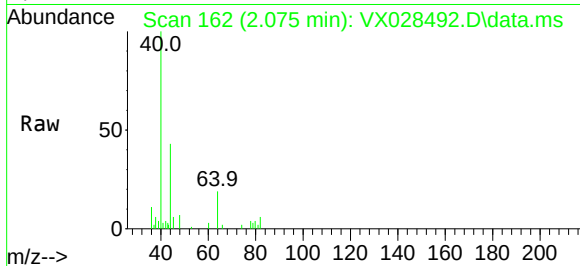




#8
Diethyl Ether
Concen: Below Cal
RT: 2.075 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

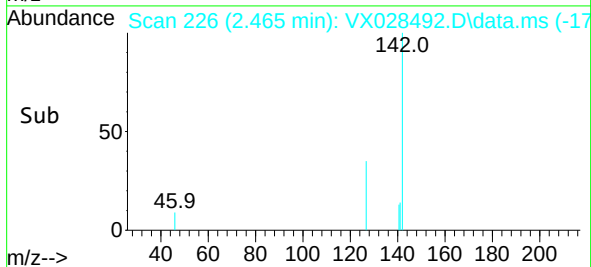
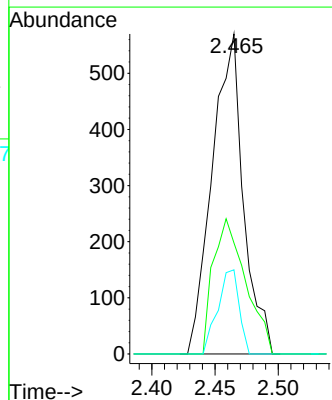
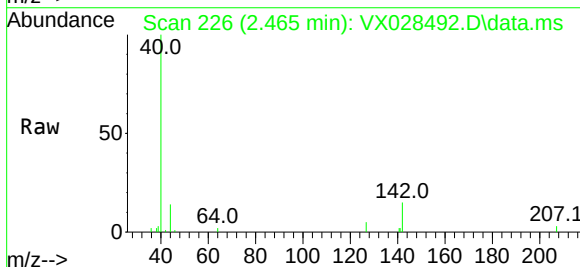
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

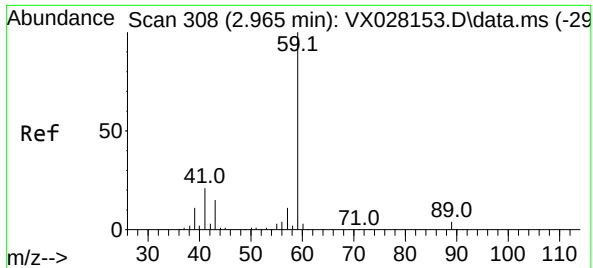
Tgt Ion: 74 Resp: 46
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.434 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

Tgt Ion:142 Resp: 978
Ion Ratio Lower Upper
142 100
127 44.0 33.9 50.9
141 18.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

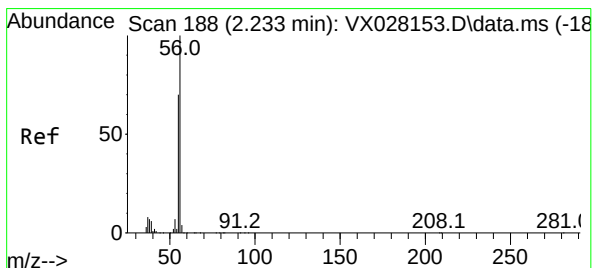
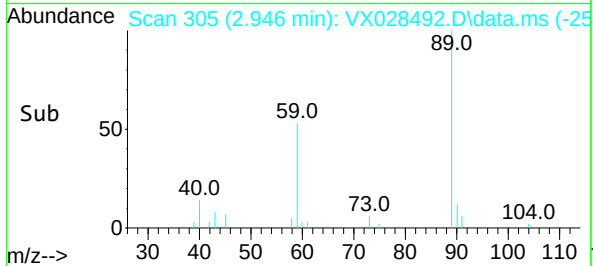
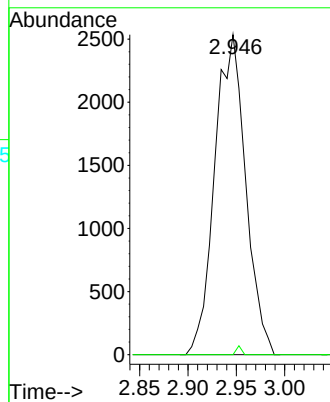
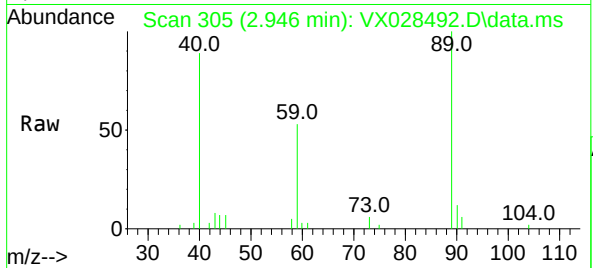
VX0503MBL01

Tgt Ion: 59 Resp: 5641

Ion Ratio Lower Upper

59 100

57 0.5 8.3 12.5#



#13

Acrolein

Concen: 0.262 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX028492.D

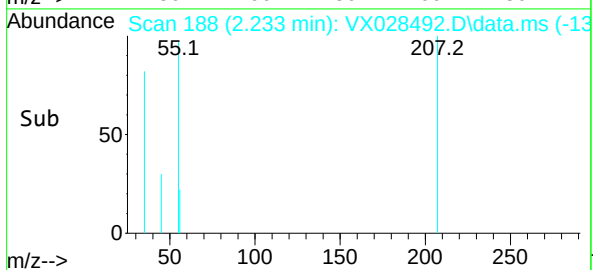
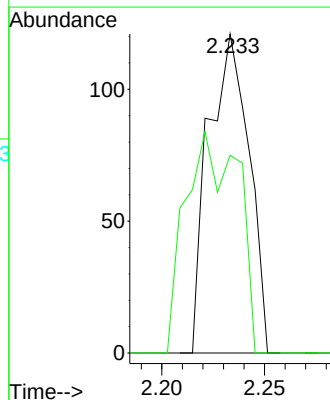
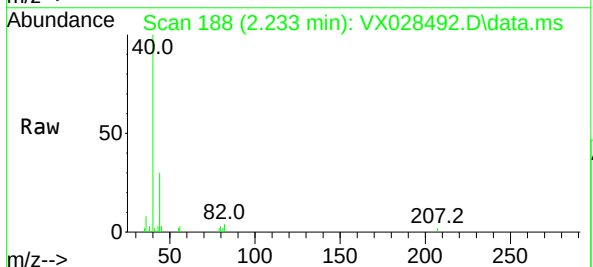
Acq: 03 May 2022 11:21

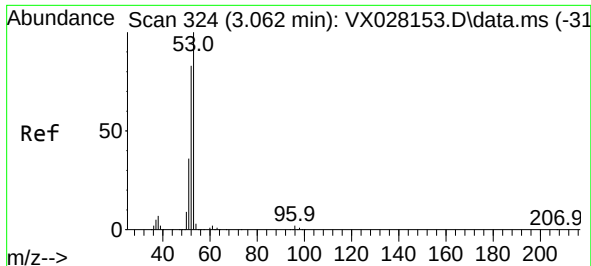
Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 90.4 55.0 82.6#

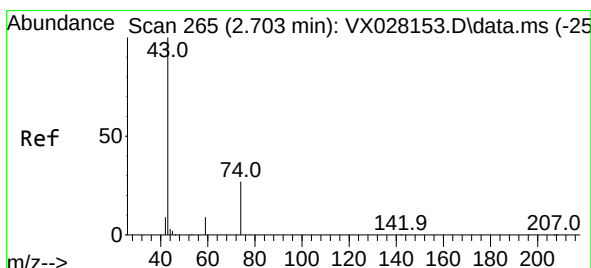
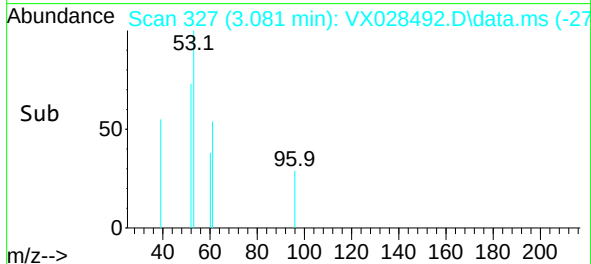
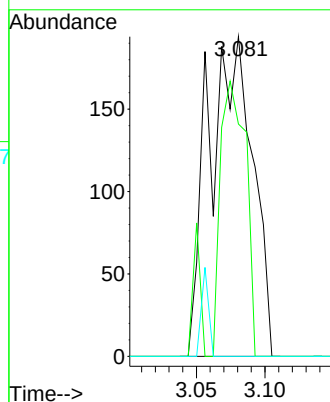
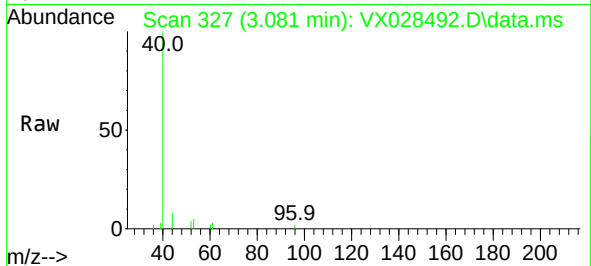




#15
Acrylonitrile
Concen: 0.206 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.019 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

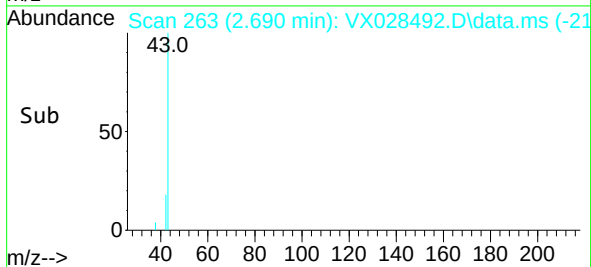
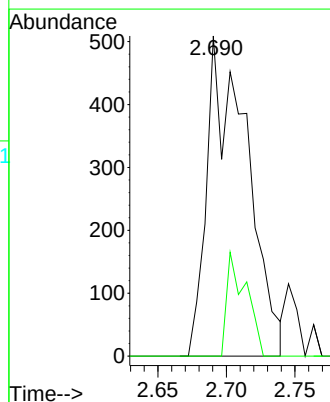
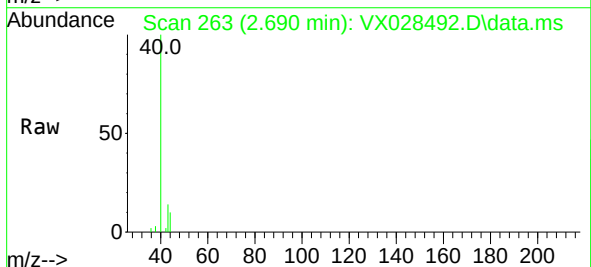
Instrument :
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ClientSampleId :
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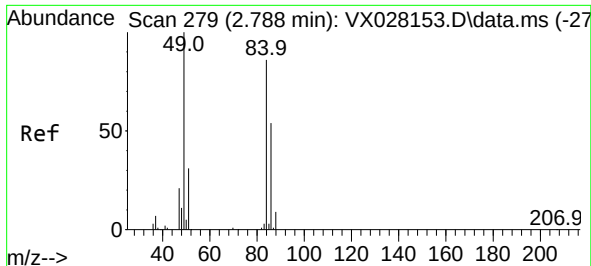
Tgt Ion: 53 Resp: 435
Ion Ratio Lower Upper
53 100
52 49.0 65.7 98.5#
51 0.0 28.4 42.6#



#18
Methyl Acetate
Concen: 0.225 ug/l
RT: 2.690 min Scan# 263
Delta R.T. -0.013 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

Tgt Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
74 15.7 22.8 34.2#





#20

Methylene Chloride

Concen: 0.258 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX028492.D

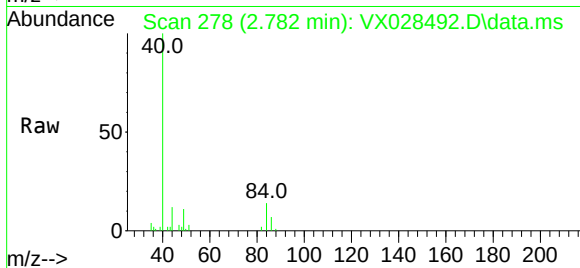
Acq: 03 May 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBL01



Tgt Ion: 84 Resp: 992

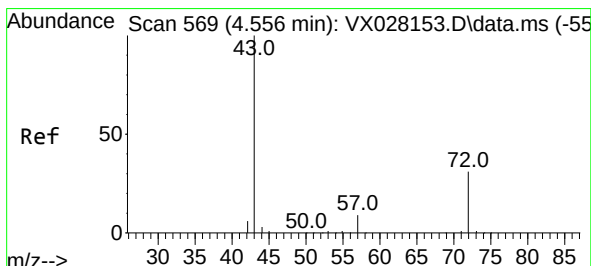
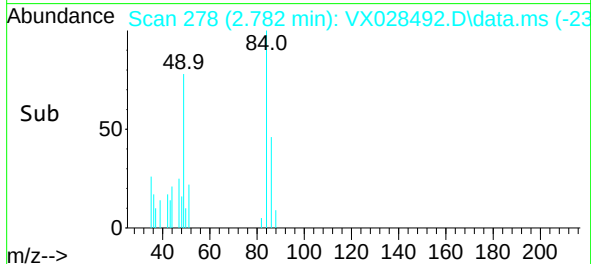
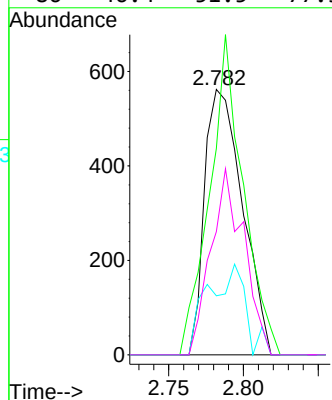
Ion Ratio Lower Upper

84 100

49 77.8 85.5 128.3#

51 22.2 26.6 39.8#

86 46.4 51.5 77.3#



#25

2-Butanone

Concen: 0.213 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX028492.D

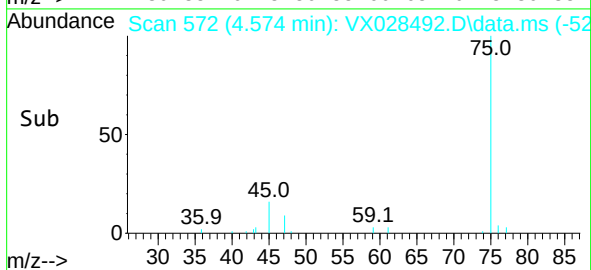
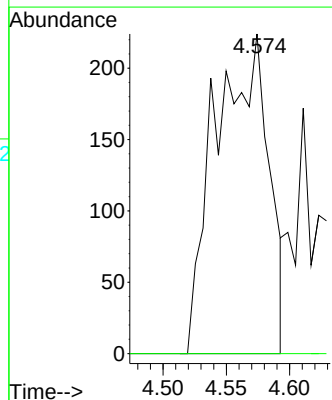
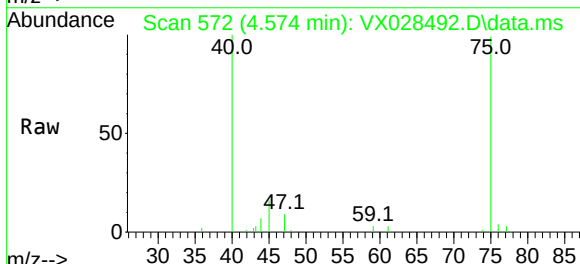
Acq: 03 May 2022 11:21

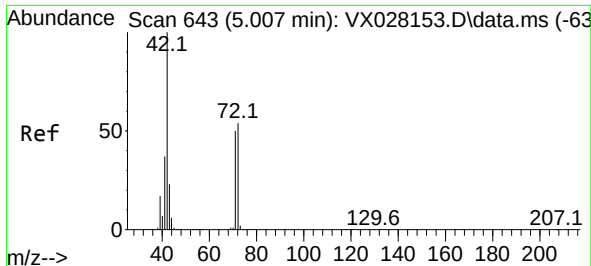
Tgt Ion: 43 Resp: 653

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX028492.D

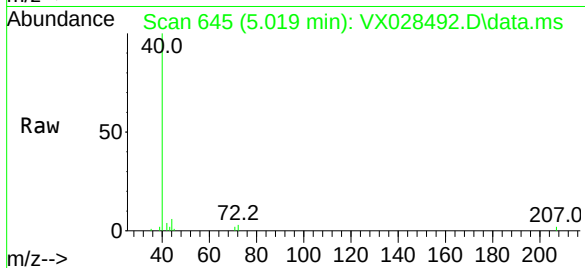
Acq: 03 May 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBL01



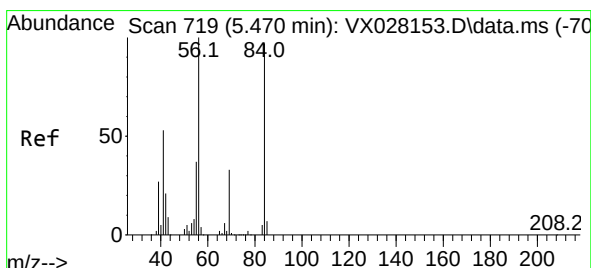
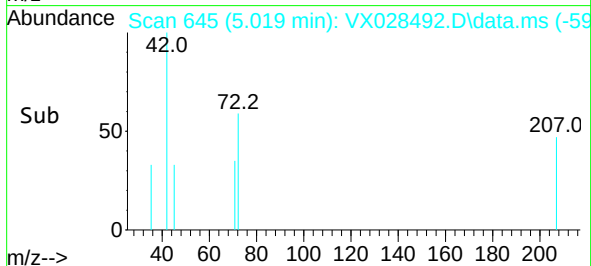
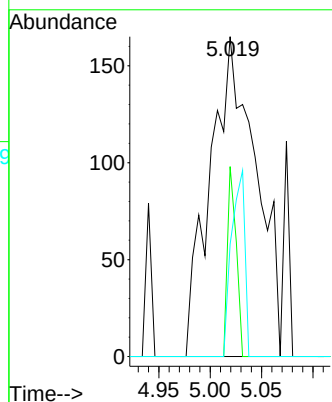
Tgt Ion: 42 Resp: 511

Ion Ratio Lower Upper

42 100

72 11.2 44.1 66.1#

71 16.8 40.5 60.7#



#31

Cyclohexane

Concen: 1.179 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

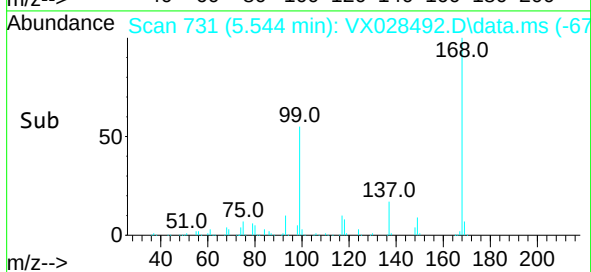
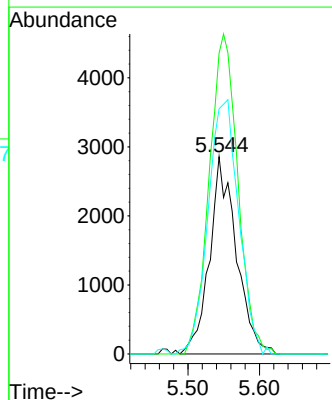
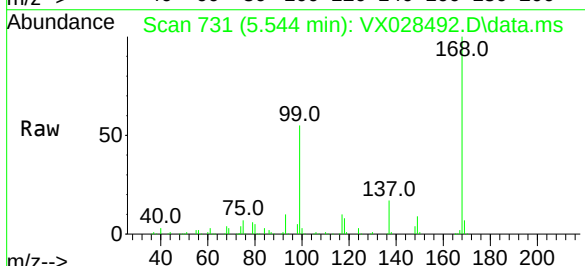
Tgt Ion: 56 Resp: 7432

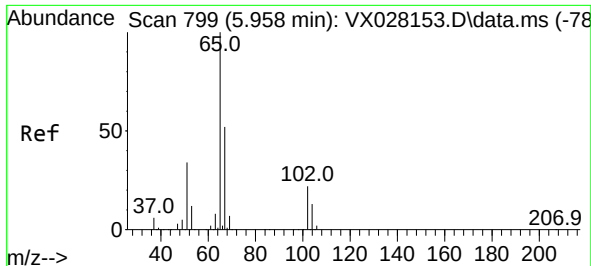
Ion Ratio Lower Upper

56 100

69 152.5 26.7 40.1#

84 124.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 44.816 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

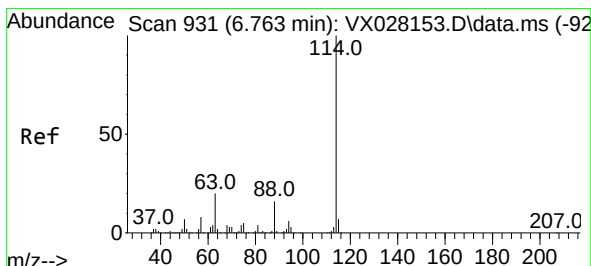
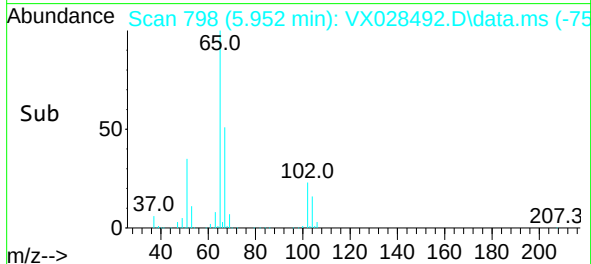
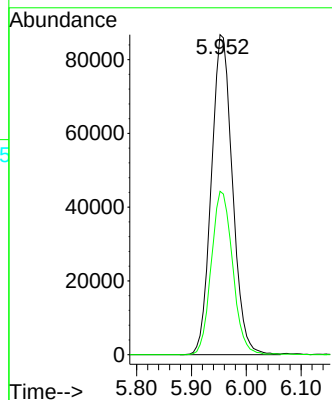
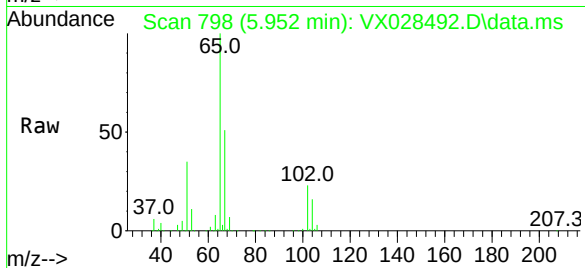
VX0503MBL01

Tgt Ion: 65 Resp: 231894

Ion Ratio Lower Upper

65 100

67 51.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

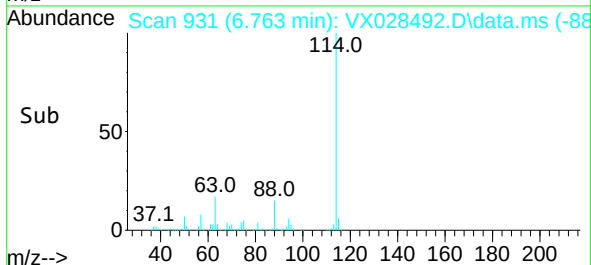
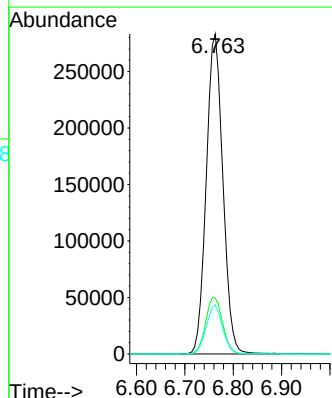
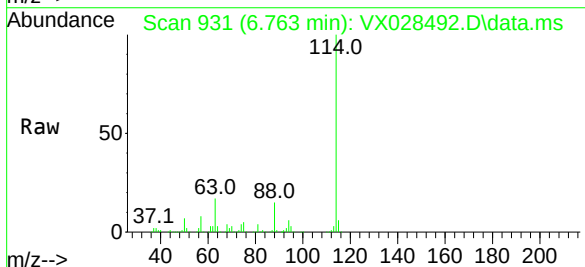
Tgt Ion: 114 Resp: 675967

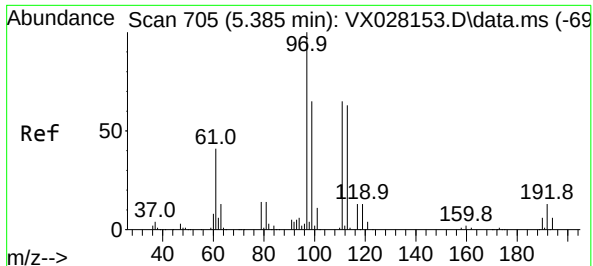
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.797 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBL01

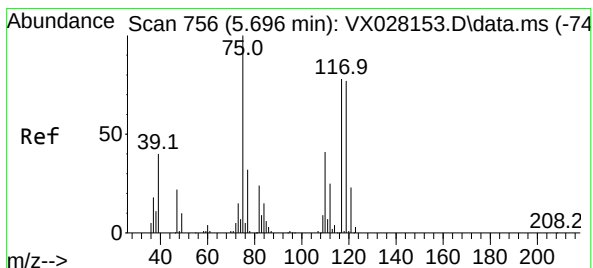
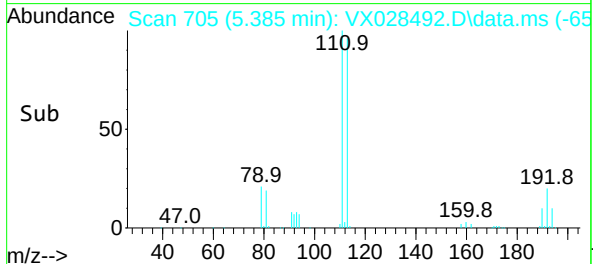
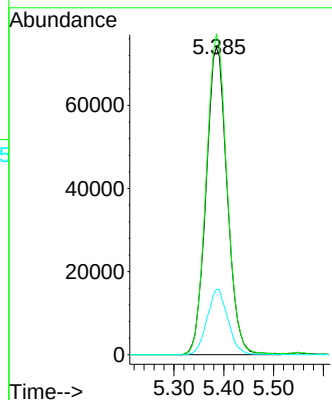
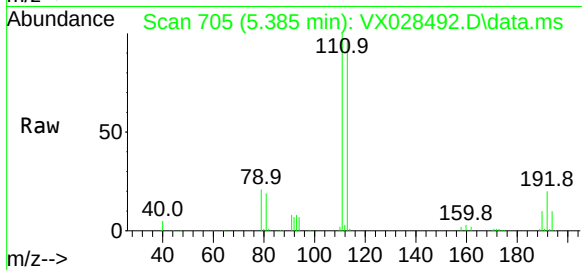
Tgt Ion:113 Resp: 217099

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 20.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.705 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

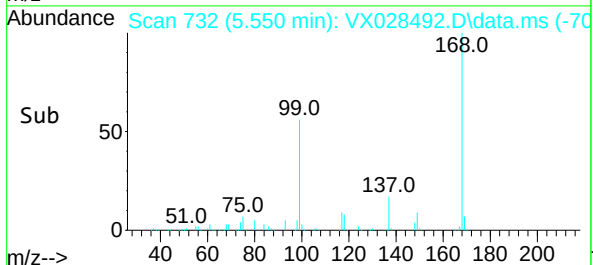
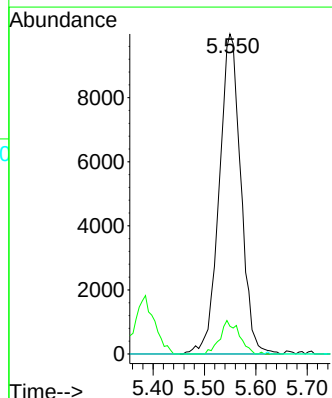
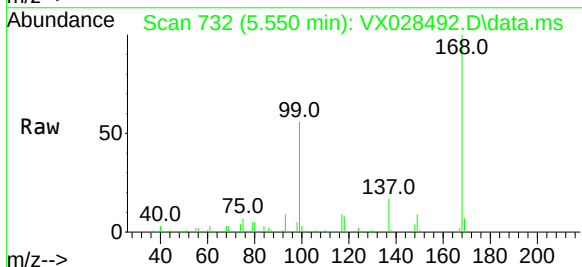
Tgt Ion: 75 Resp: 29094

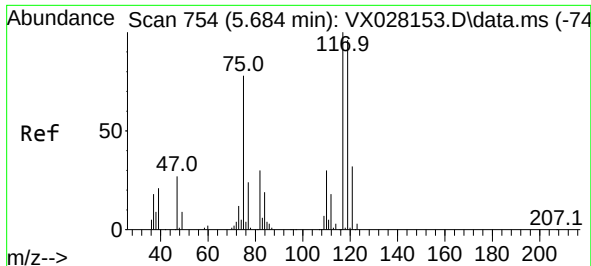
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#

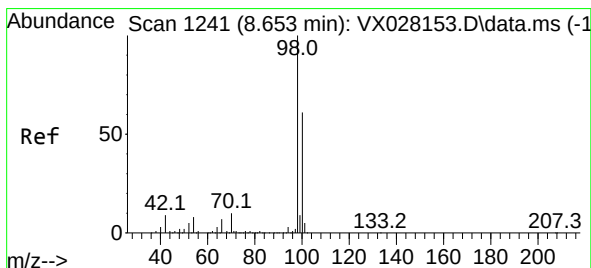
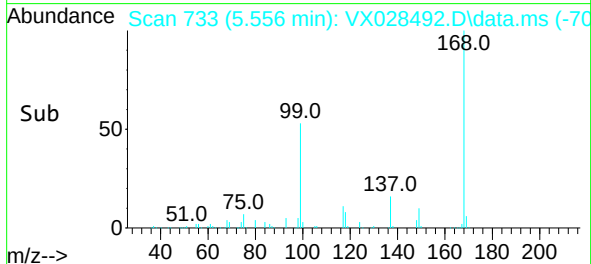
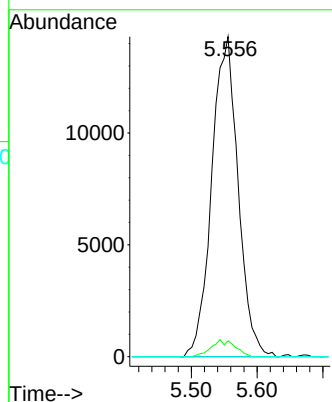
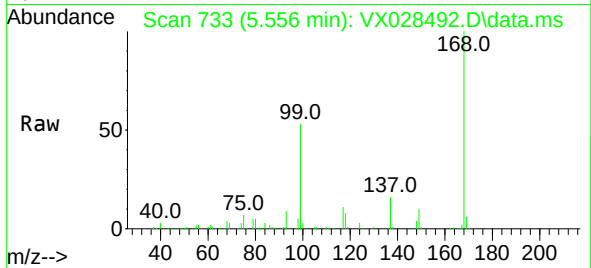




#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

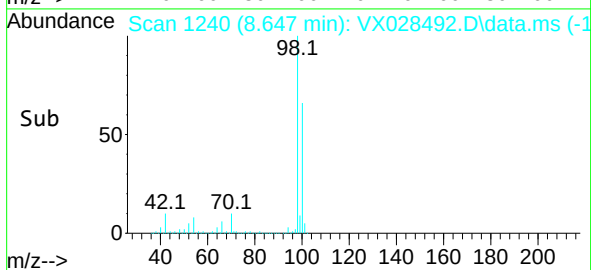
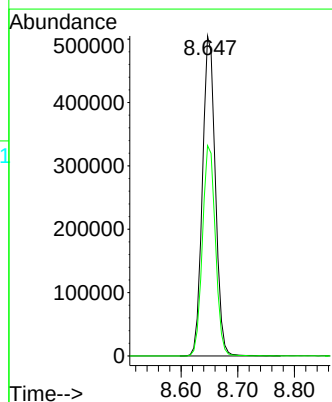
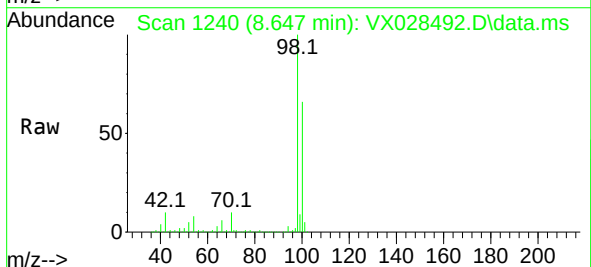
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

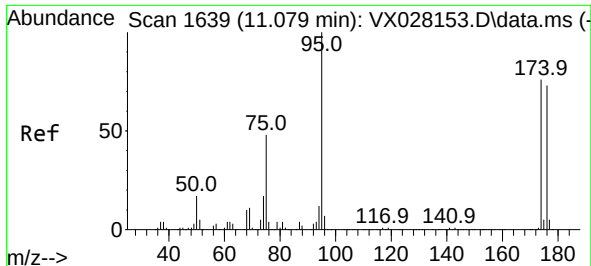
Tgt Ion:117 Resp: 39924
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 43.825 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

Tgt Ion: 98 Resp: 797944
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 41.514 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBL01

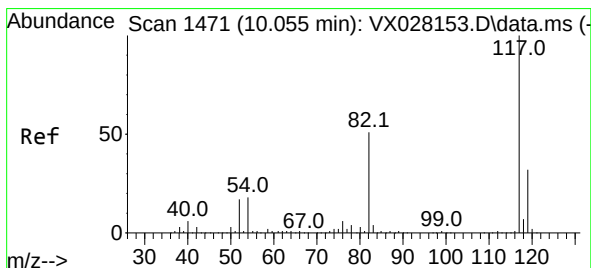
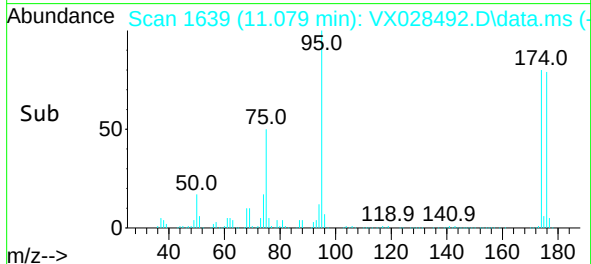
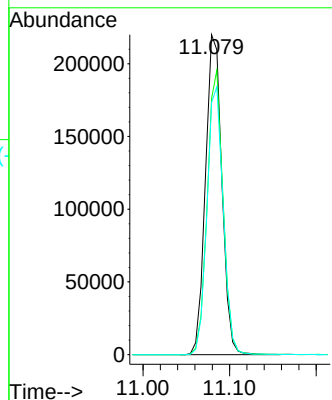
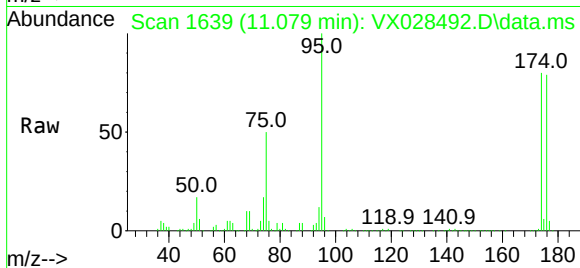
Tgt Ion: 95 Resp: 289008

Ion Ratio Lower Upper

95 100

174 85.8 0.0 163.0

176 83.1 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX028492.D

Acq: 03 May 2022 11:21

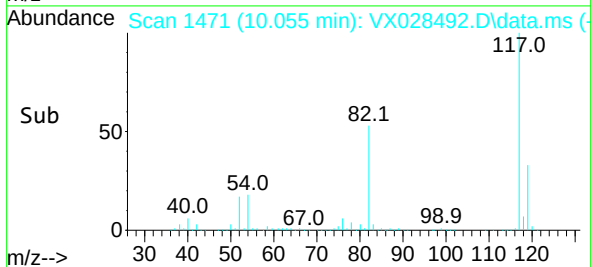
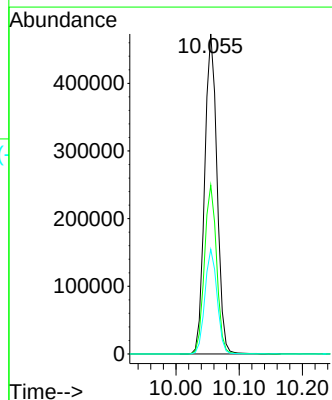
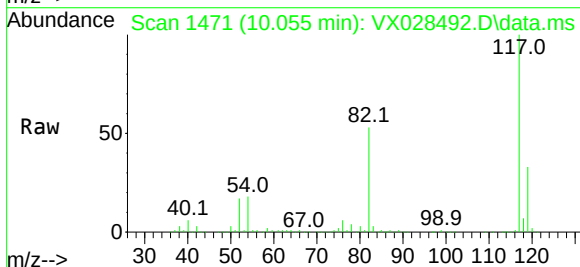
Tgt Ion: 117 Resp: 644527

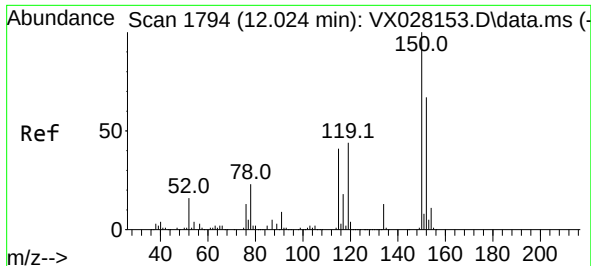
Ion Ratio Lower Upper

117 100

82 52.7 41.8 62.8

119 32.7 24.8 37.2

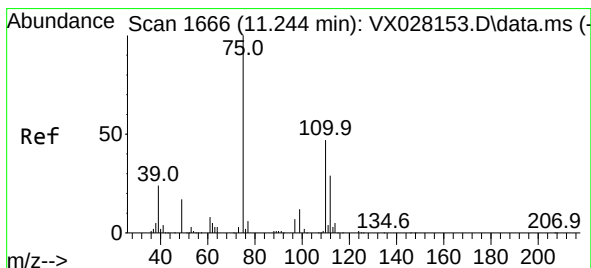
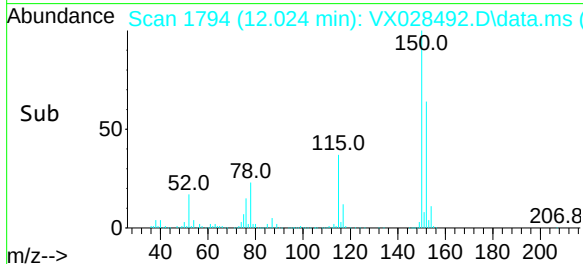
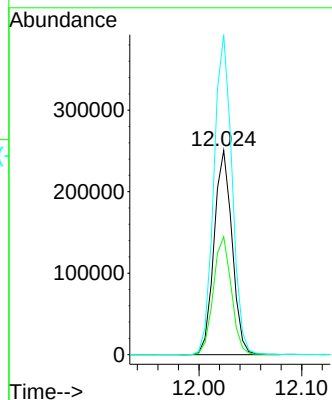
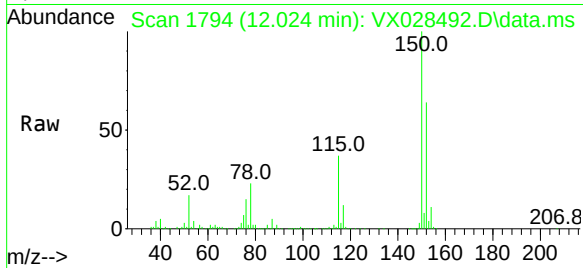




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028492.D
 Acq: 03 May 2022 11:21

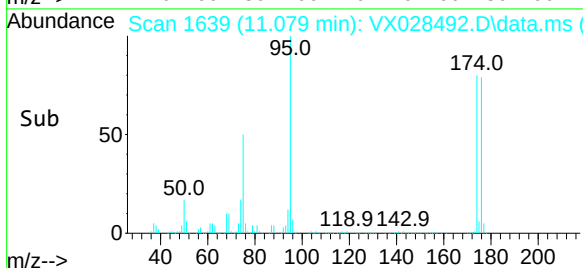
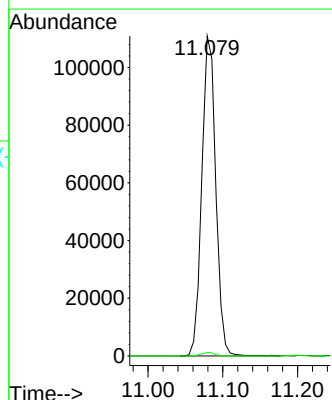
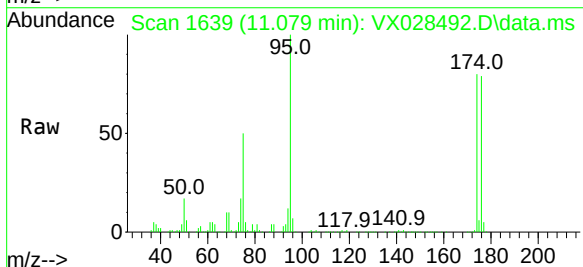
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBL01

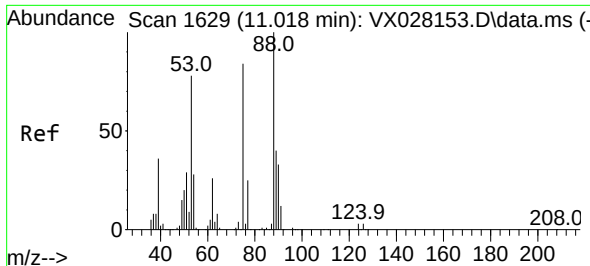
Tgt Ion:152 Resp: 304359
 Ion Ratio Lower Upper
 152 100
 115 58.0 37.5 112.7
 150 158.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.986 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028492.D
 Acq: 03 May 2022 11:21

Tgt Ion: 75 Resp: 143674
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#

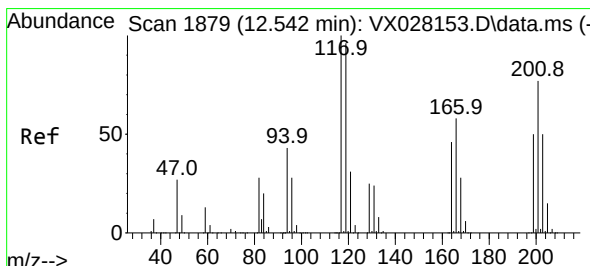
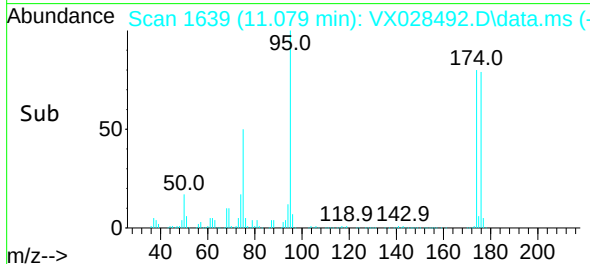
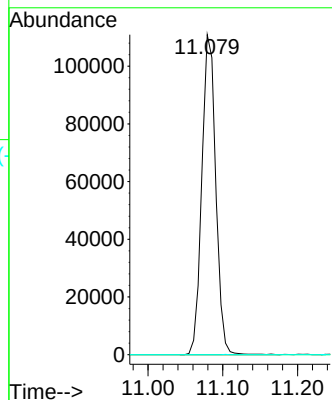
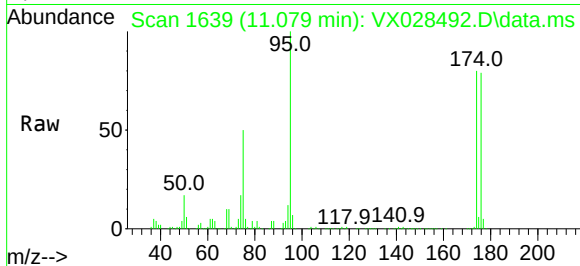




#81
trans-1,4-Dichloro-2-butene
Concen: 71.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

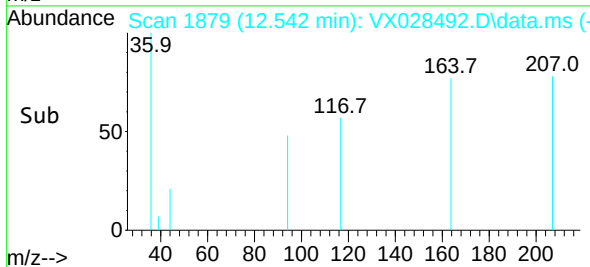
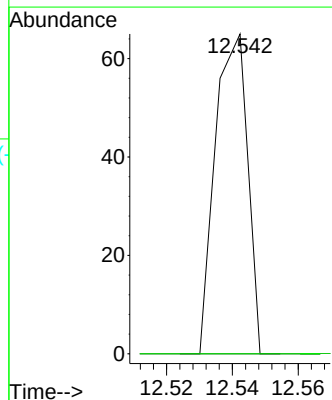
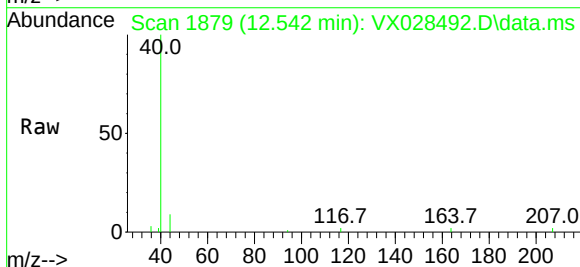
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

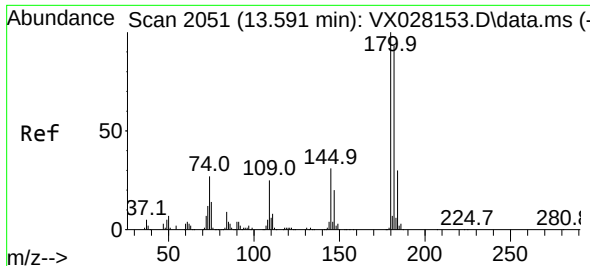
Tgt Ion: 75 Resp: 143674
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.826 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

Tgt Ion: 117 Resp: 44
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

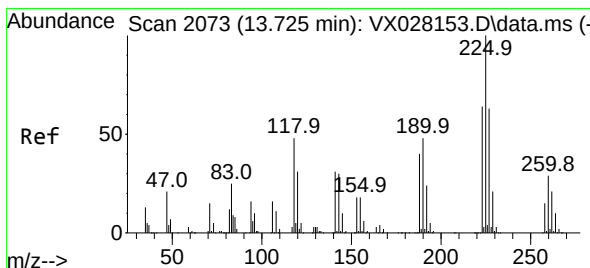
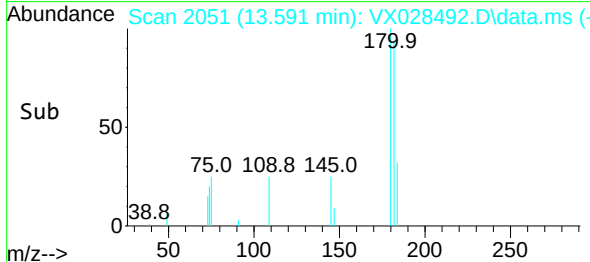
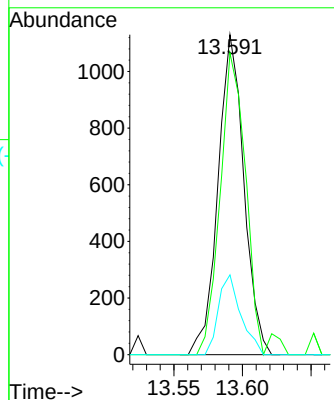
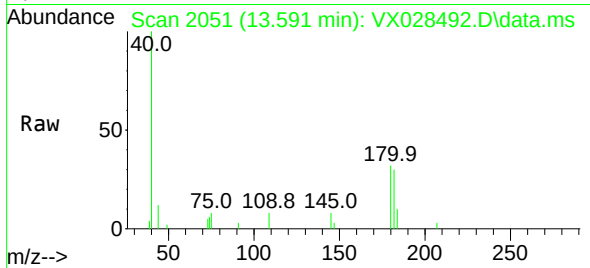




#93
1,2,4-Trichlorobenzene
Concen: 0.246 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

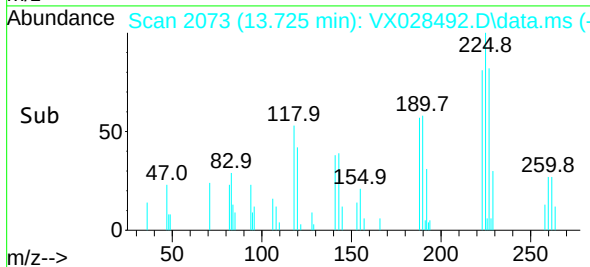
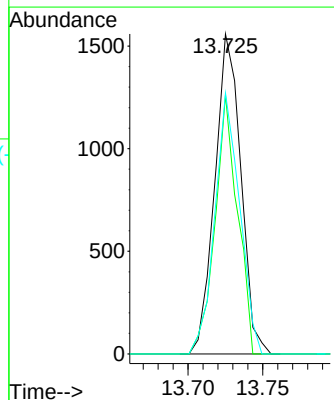
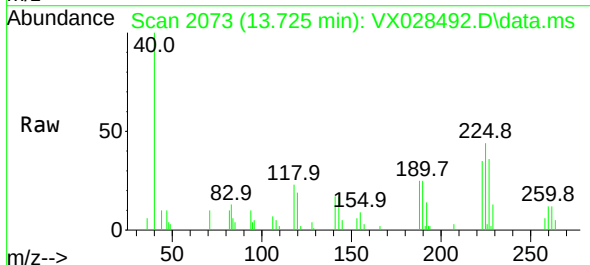
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

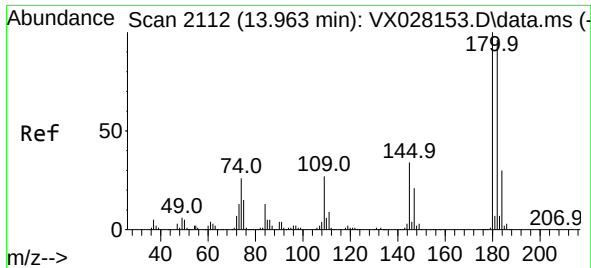
Tgt Ion:180 Resp: 1485
Ion Ratio Lower Upper
180 100
182 94.7 47.7 143.1
145 21.5 15.2 45.5



#94
Hexachlorobutadiene
Concen: 0.697 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028492.D
Acq: 03 May 2022 11:21

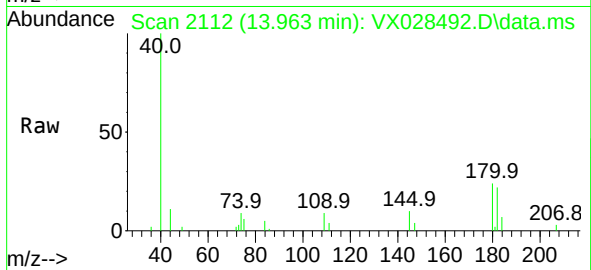
Tgt Ion:225 Resp: 1881
Ion Ratio Lower Upper
225 100
223 70.0 34.2 102.5
227 78.4 33.9 101.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.207 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX028492.D
 Acq: 03 May 2022 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBL01



Tgt Ion:	180	Resp:	1230
Ion	Ratio	Lower	Upper
180	100		
182	97.8	50.0	149.8
145	39.1	16.2	48.5

