

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027608.D
 Acq On : 22 Mar 2022 11:23
 Operator : JC/MD
 Sample : VX0322MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322MBL01

Quant Time: Mar 23 01:44:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	361827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	583282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	536035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	243357	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189536	42.522	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	85.040%
35) Dibromofluoromethane	5.385	113	185805	49.512	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.020%
50) Toluene-d8	8.647	98	661052	46.550	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.100%
62) 4-Bromofluorobenzene	11.079	95	243667	46.683	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.360%

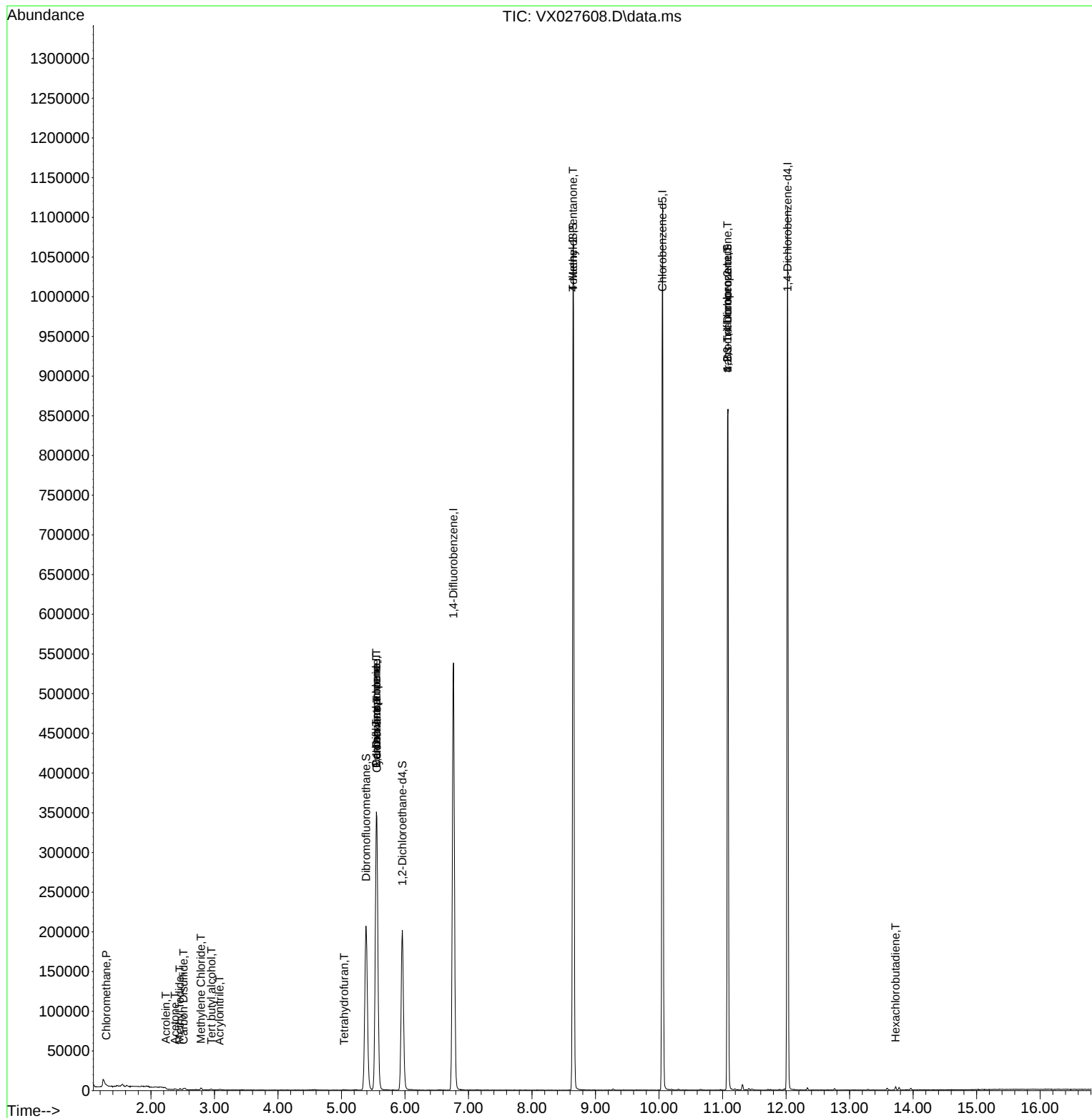
Target Compounds			Qvalue			
3) Chloromethane	1.294	50	650	0.211	ug/l	89
5) Bromomethane	1.611	94	1087	Below Cal	#	78
10) Methyl Iodide	2.453	142	1537	0.332	ug/l	96
11) Tert butyl alcohol	2.953	59	811	0.955	ug/l	# 72
13) Acrolein	2.233	56	229	0.347	ug/l	# 45
15) Acrylonitrile	3.081	53	405	0.210	ug/l	# 78
16) Acetone	2.379	43	1085	0.597	ug/l	95
17) Carbon Disulfide	2.514	76	1770	0.207	ug/l	# 92
20) Methylene Chloride	2.788	84	1148	0.294	ug/l	98
29) Tetrahydrofuran	5.044	42	383	0.218	ug/l	# 45
31) Cyclohexane	5.556	56	5630	1.017	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	23124	4.509	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	33887	5.776	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.647	43	2228	0.424	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	114017	22.399	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	114017	68.027	ug/l	# 15
94) Hexachlorobutadiene	13.725	225	708	0.309	ug/l	93

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

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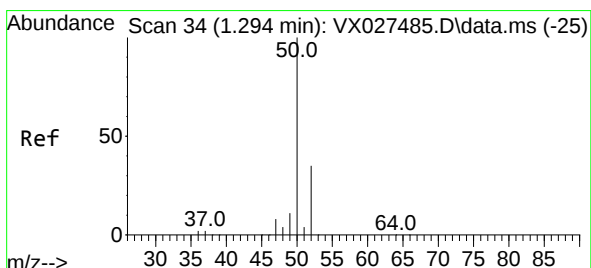
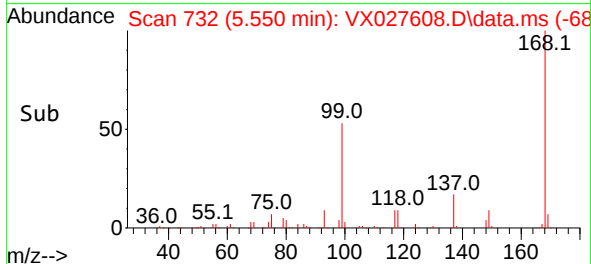
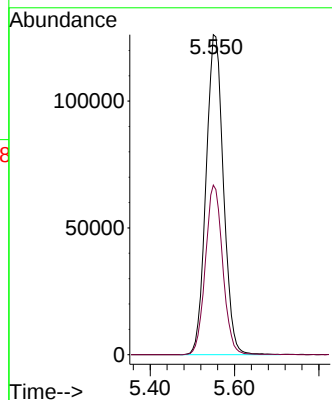
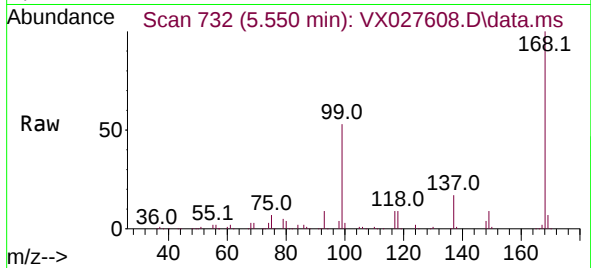




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

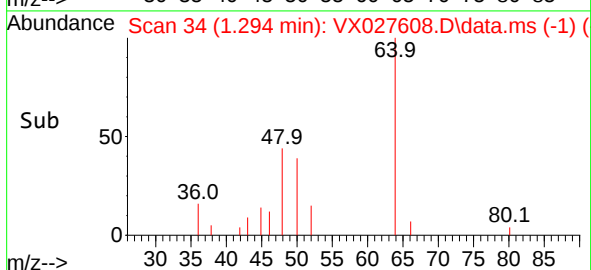
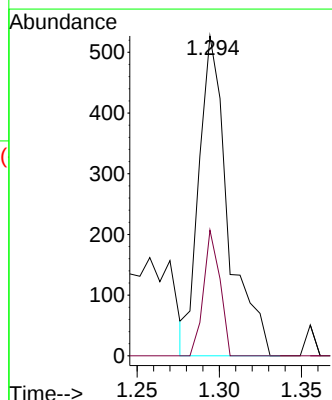
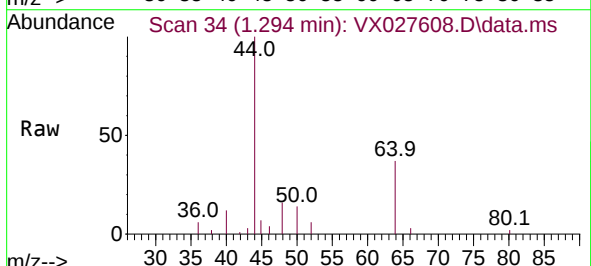
Instrument :
MSVOA_X
ClientSampleId :
VX0322MBL01

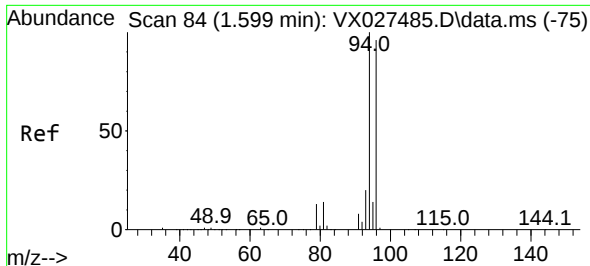
Tgt Ion:168 Resp: 361827
Ion Ratio Lower Upper
168 100
99 53.0 41.7 62.5



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 39.3 26.4 39.6

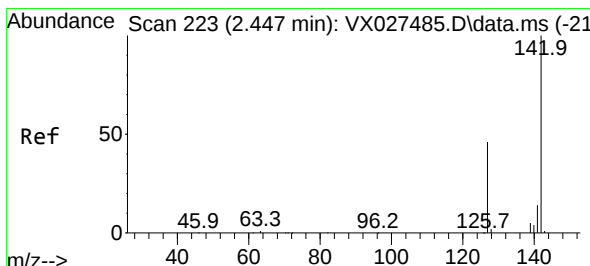
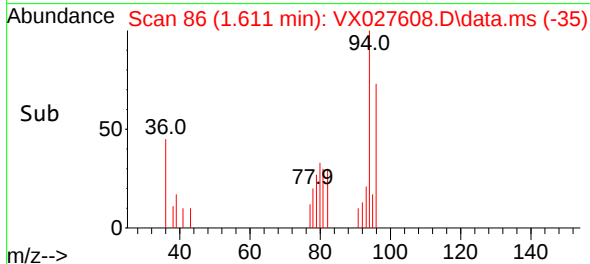
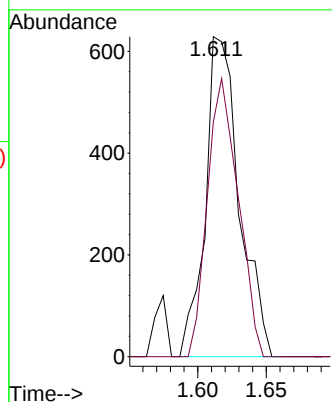
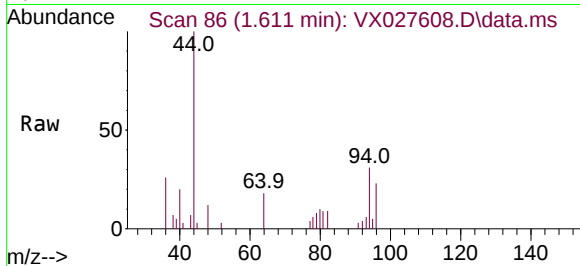




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

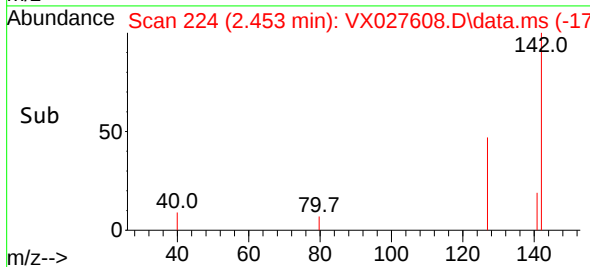
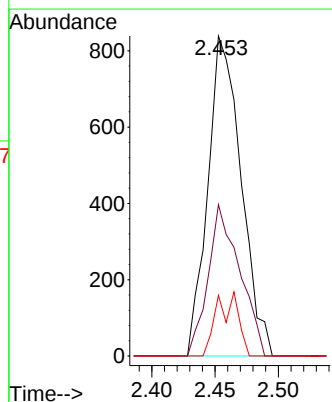
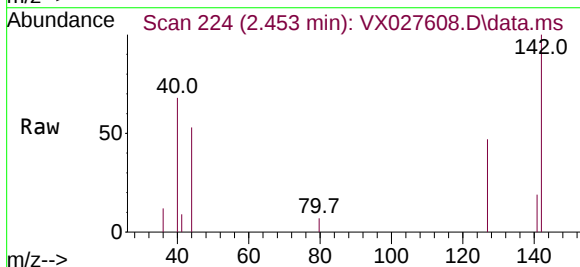
Instrument :
MSVOA_X
ClientSampleId :
VX0322MBL01

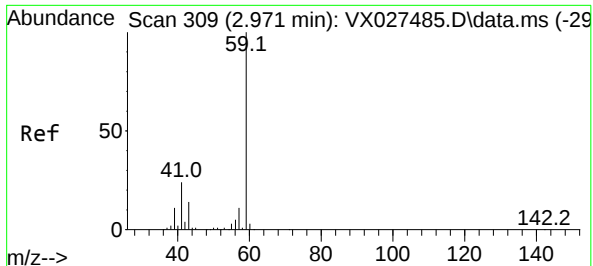
Tgt Ion: 94 Resp: 1087
Ion Ratio Lower Upper
94 100
96 73.3 75.3 112.9#



#10
Methyl Iodide
Concen: 0.332 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

Tgt Ion:142 Resp: 1537
Ion Ratio Lower Upper
142 100
127 44.8 33.9 50.9
141 12.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 0.955 ug/l

RT: 2.953 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

Instrument :

MSVOA_X

ClientSampleId :

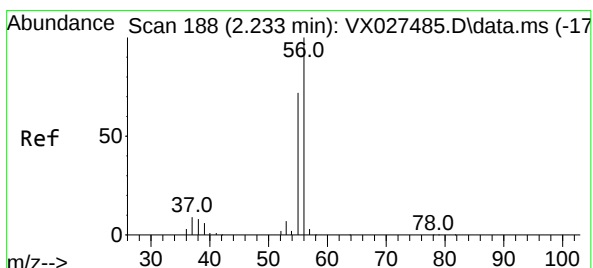
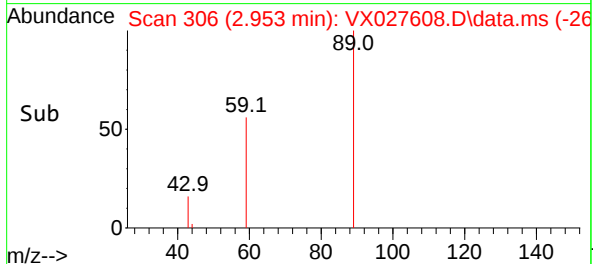
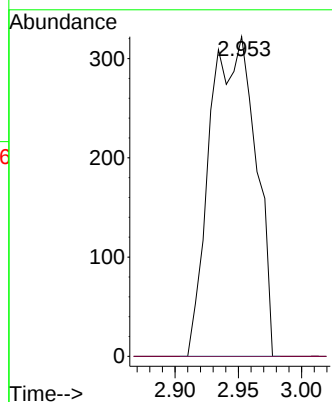
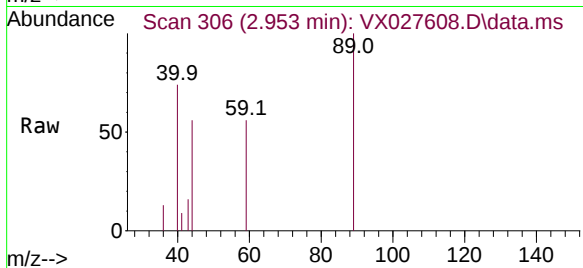
VX0322MBL01

Tgt Ion: 59 Resp: 811

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.347 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX027608.D

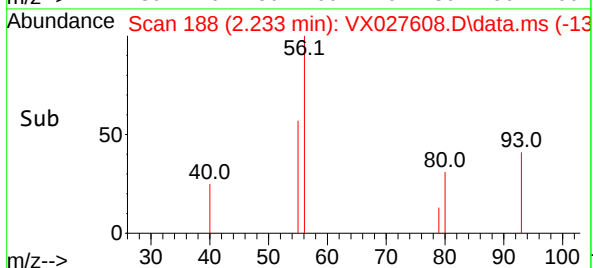
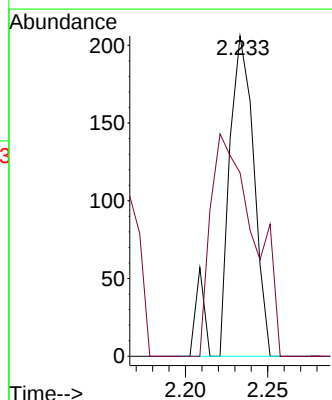
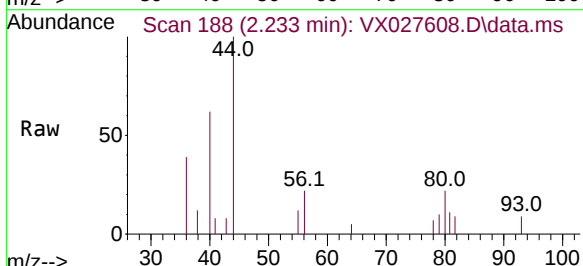
Acq: 22 Mar 2022 11:23

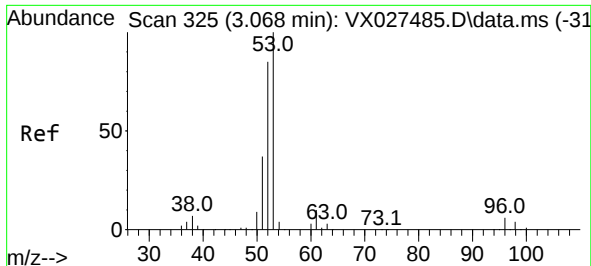
Tgt Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 113.5 55.0 82.6#

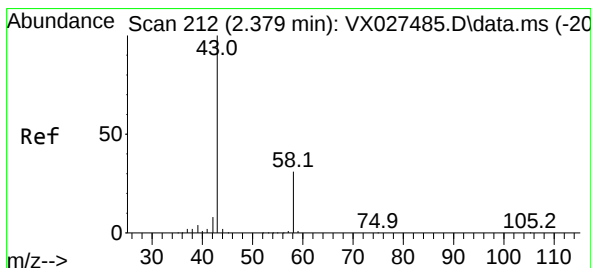
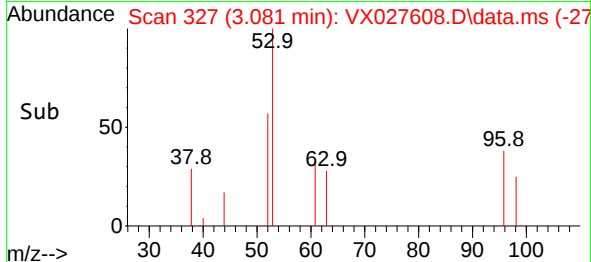
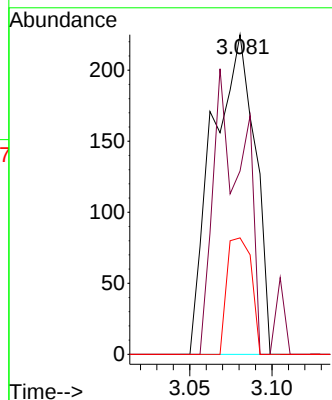
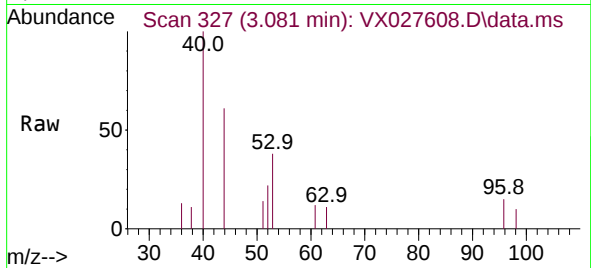




#15
Acrylonitrile
Concen: 0.210 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

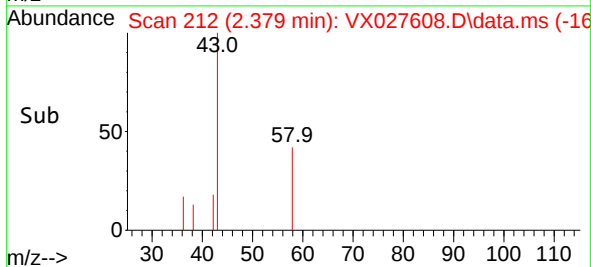
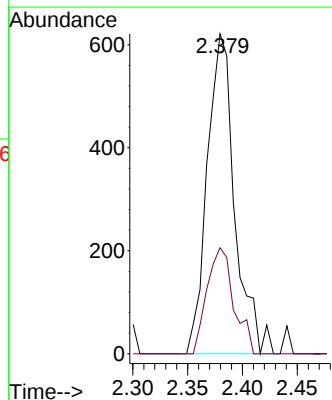
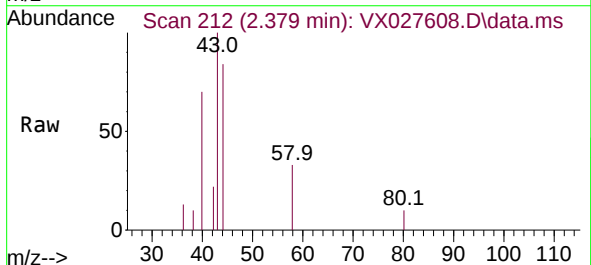
Instrument :
MSVOA_X
ClientSampleId :
VX0322MBL01

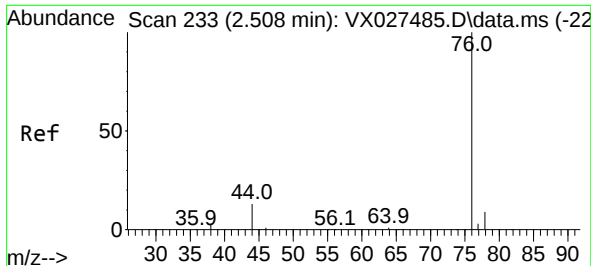
Tgt Ion: 53 Resp: 405
Ion Ratio Lower Upper
53 100
52 63.0 65.7 98.5#
51 21.0 28.4 42.6#



#16
Acetone
Concen: 0.597 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

Tgt Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
58 33.2 28.8 43.2

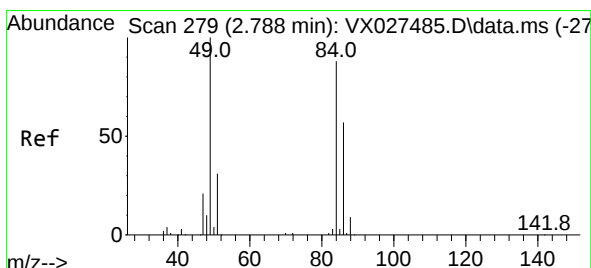
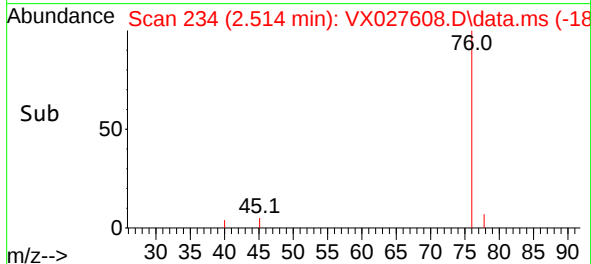
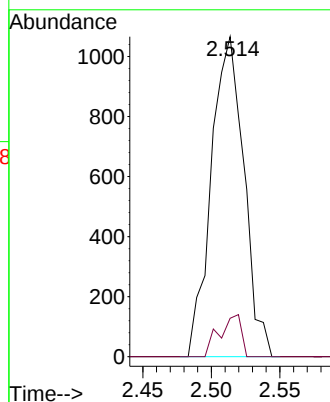
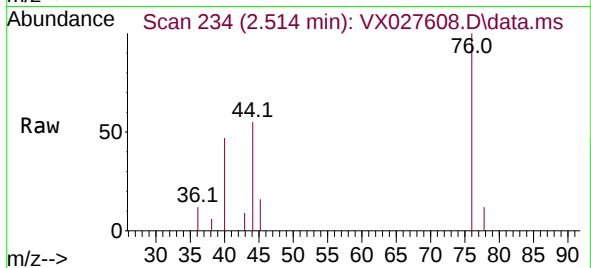




#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

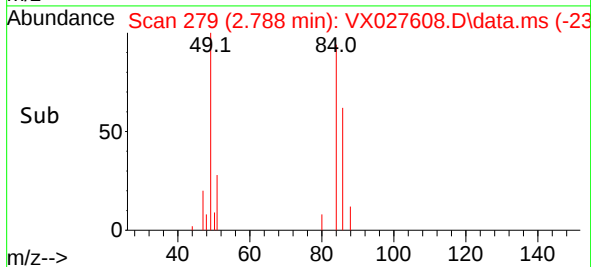
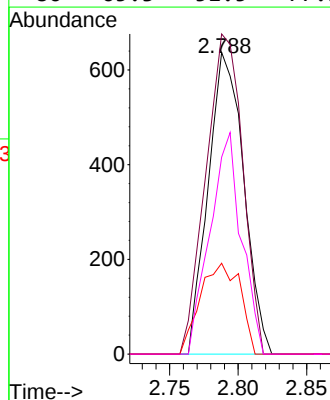
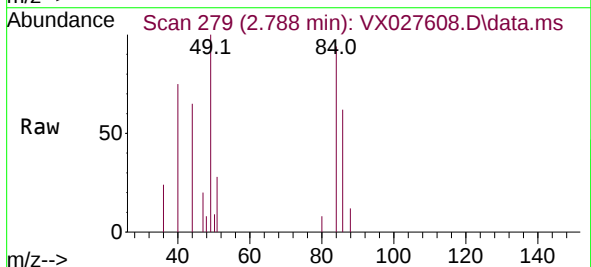
Instrument :
MSVOA_X
ClientSampleId :
VX0322MBL01

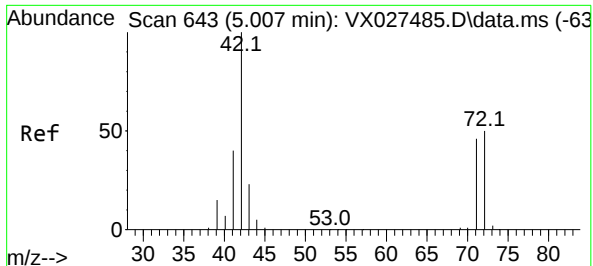
Tgt Ion: 76 Resp: 1770
Ion Ratio Lower Upper
76 100
78 12.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.294 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

Tgt Ion: 84 Resp: 1148
Ion Ratio Lower Upper
84 100
49 106.1 85.5 128.3
51 30.1 26.6 39.8
86 65.3 51.5 77.3





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.037 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0322MBL01

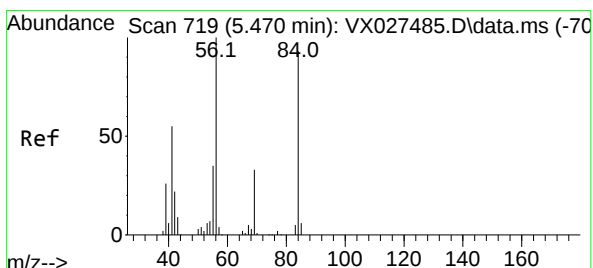
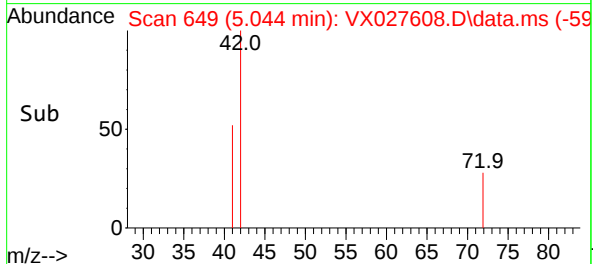
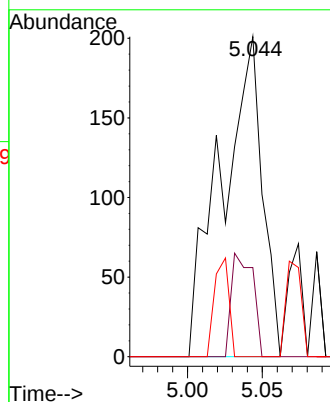
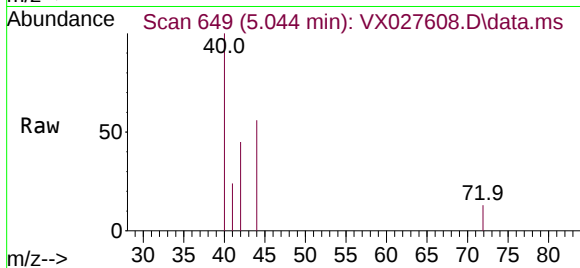
Tgt Ion: 42 Resp: 383

Ion Ratio Lower Upper

42 100

72 17.0 44.1 66.1#

71 11.0 40.5 60.7#



#31

Cyclohexane

Concen: 1.017 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

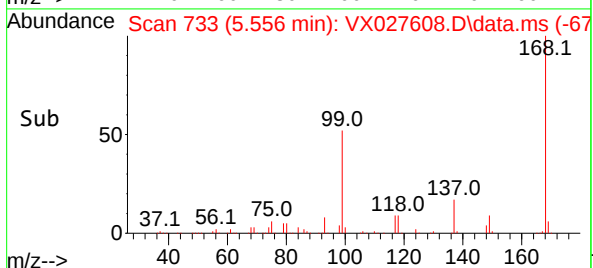
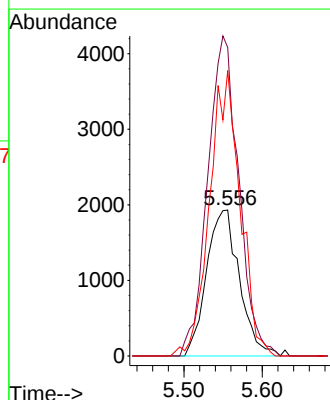
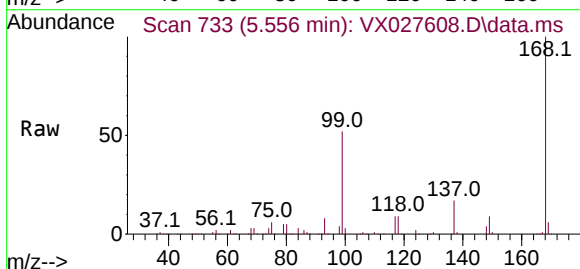
Tgt Ion: 56 Resp: 5630

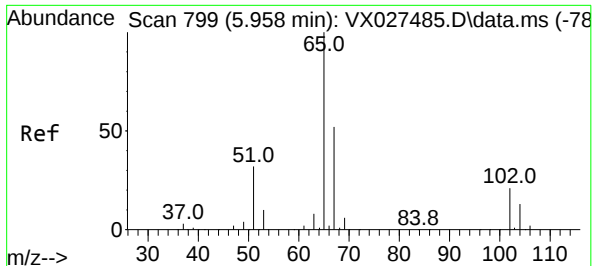
Ion Ratio Lower Upper

56 100

69 211.4 26.7 40.1#

84 195.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 42.522 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

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ClientSampleId :

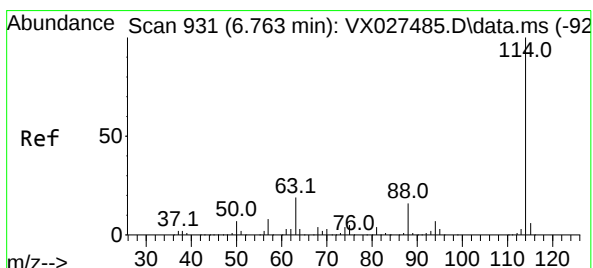
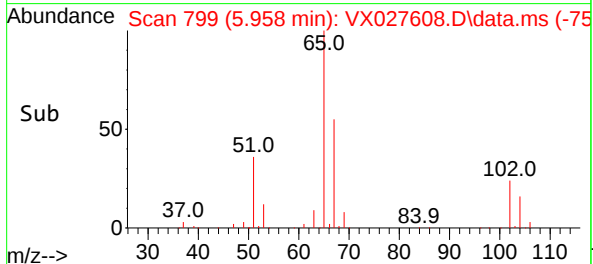
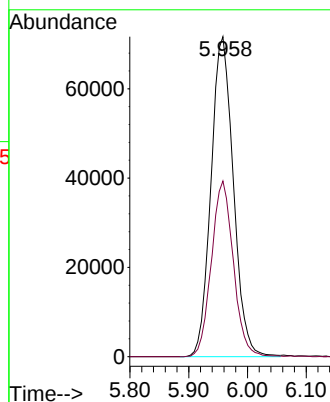
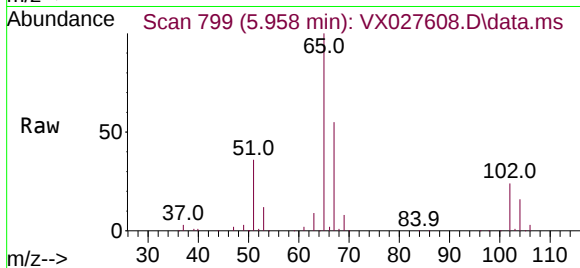
VX0322MBL01

Tgt Ion: 65 Resp: 189536

Ion Ratio Lower Upper

65 100

67 53.9 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: VX027608.D

Acq: 22 Mar 2022 11:23

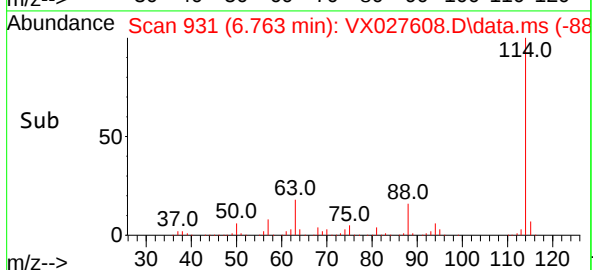
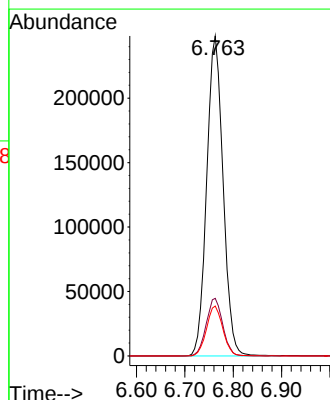
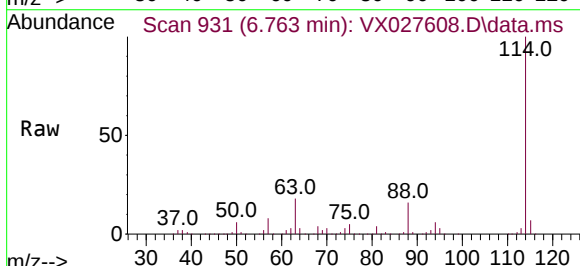
Tgt Ion: 114 Resp: 583282

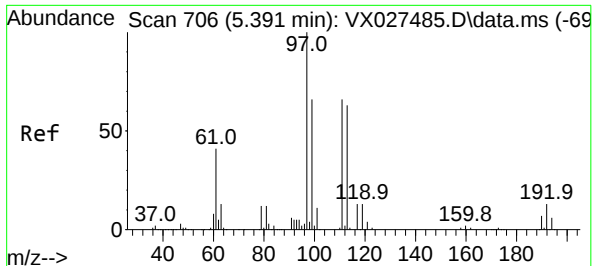
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.8

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.512 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0322MBL01

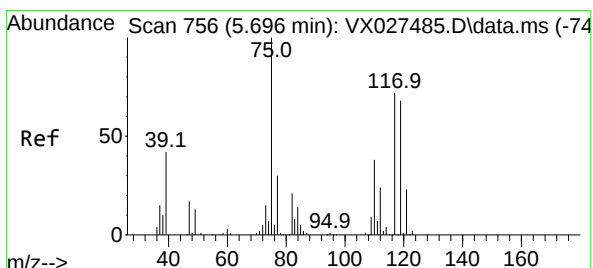
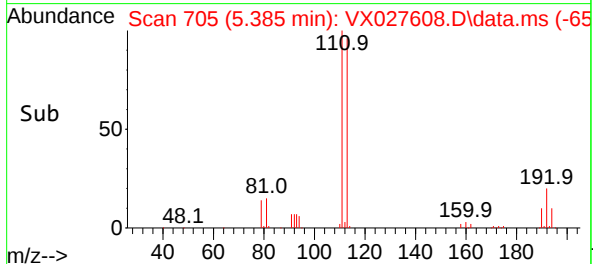
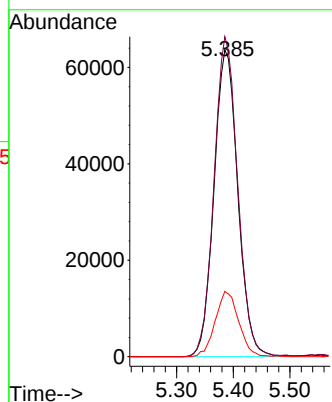
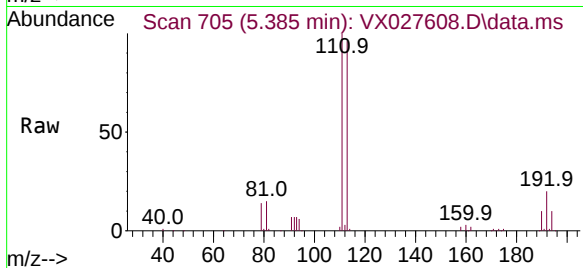
Tgt Ion:113 Resp: 185805

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 21.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

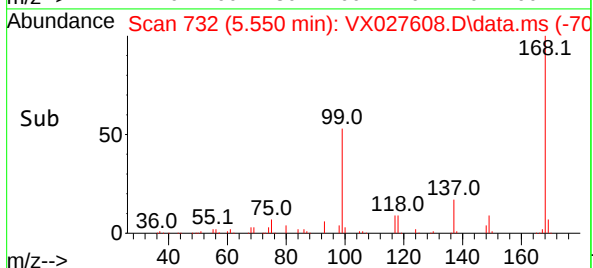
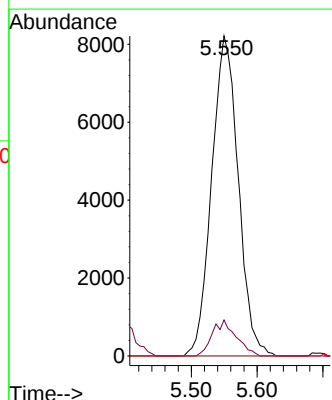
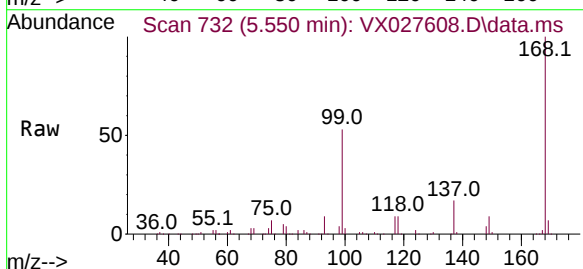
Tgt Ion: 75 Resp: 23124

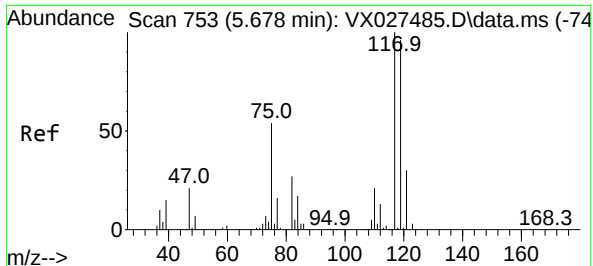
Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 24.8 37.2#

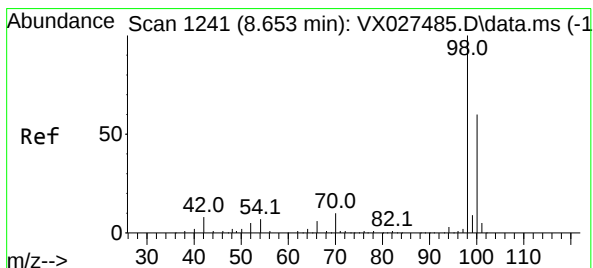
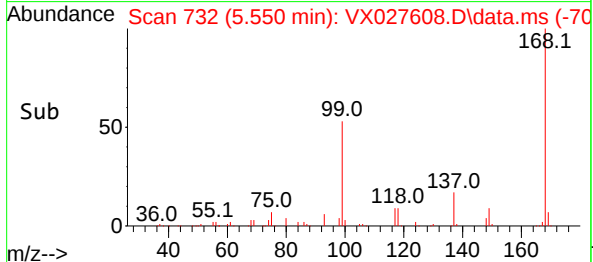
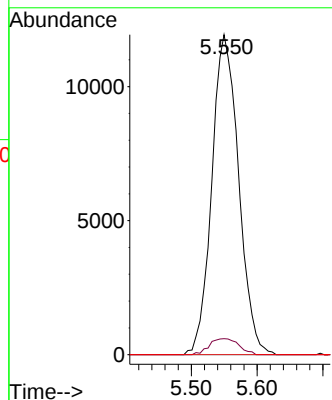
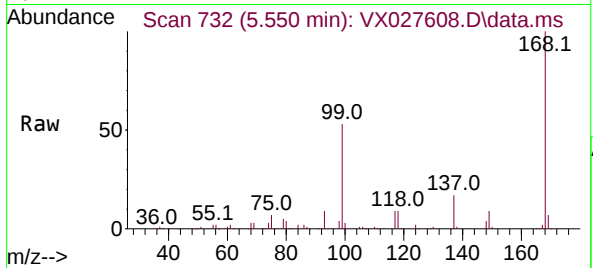




#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

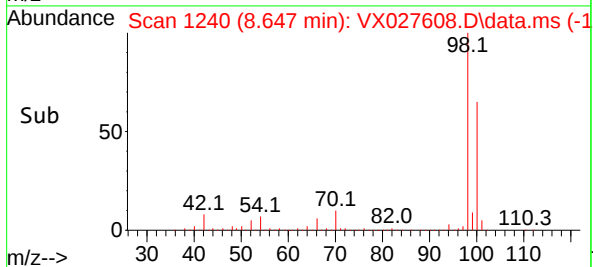
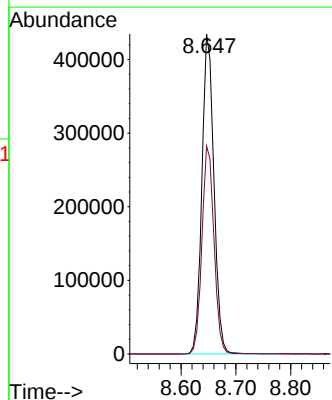
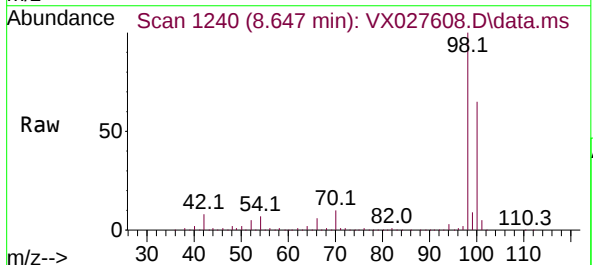
Instrument :
MSVOA_X
ClientSampleId :
VX0322MBL01

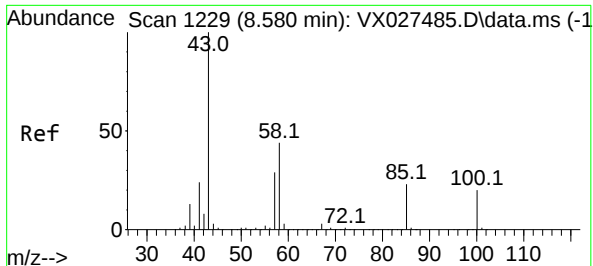
Tgt Ion:117 Resp: 33887
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.550 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

Tgt Ion: 98 Resp: 661052
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.424 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

Instrument :

MSVOA_X

ClientSampleId :

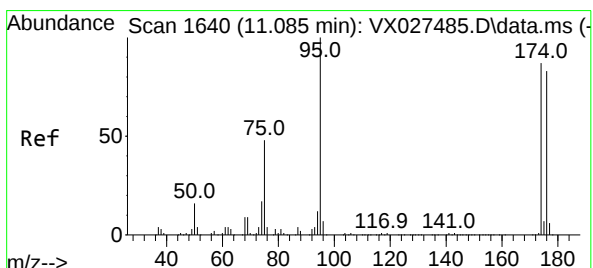
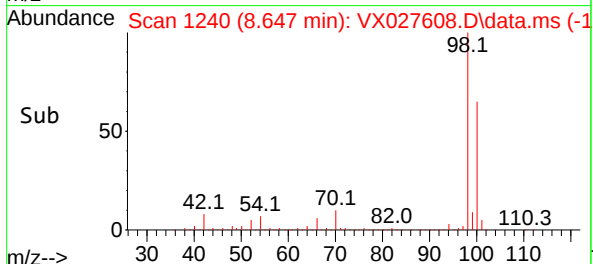
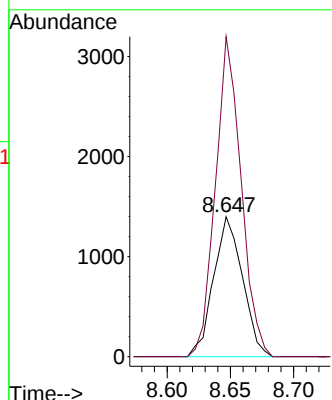
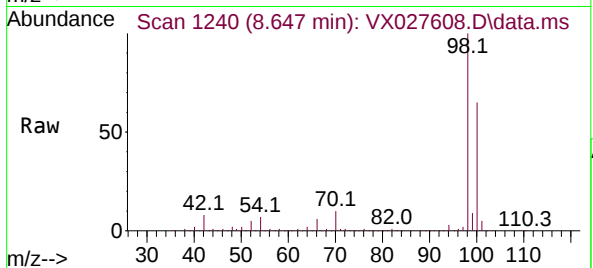
VX0322MBL01

Tgt Ion: 43 Resp: 2228

Ion Ratio Lower Upper

43 100

58 202.8 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 46.683 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027608.D

Acq: 22 Mar 2022 11:23

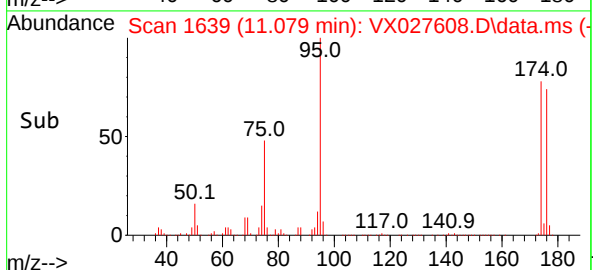
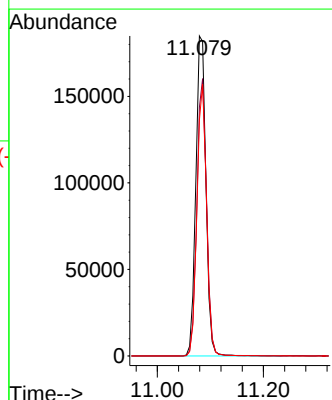
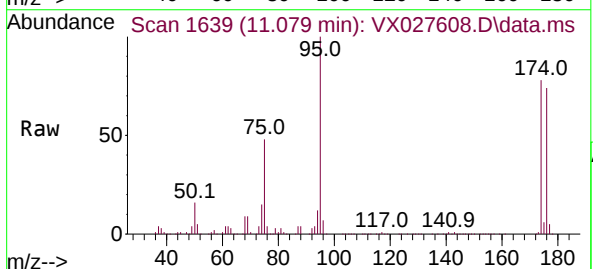
Tgt Ion: 95 Resp: 243667

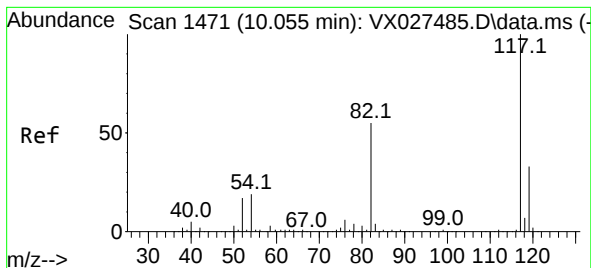
Ion Ratio Lower Upper

95 100

174 83.7 0.0 163.0

176 81.1 0.0 155.0

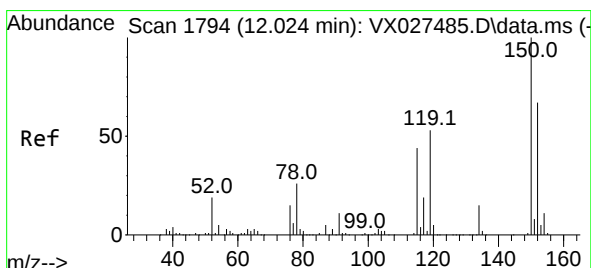
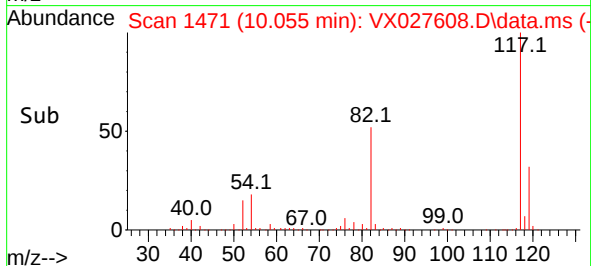
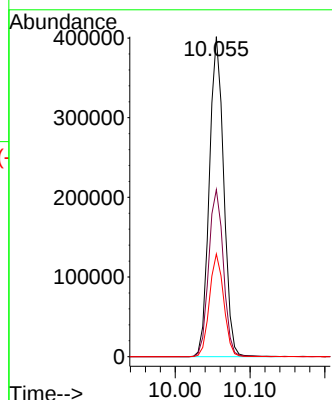
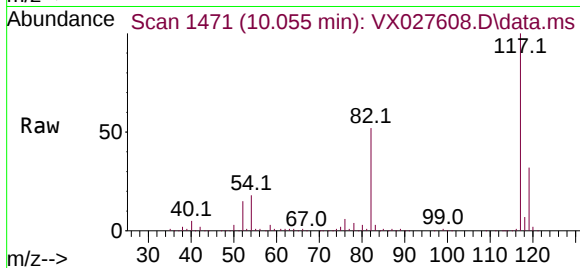




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

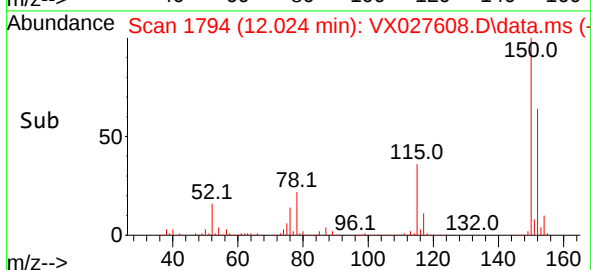
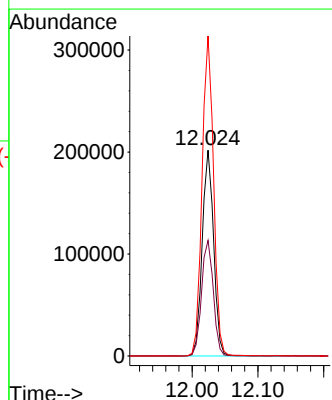
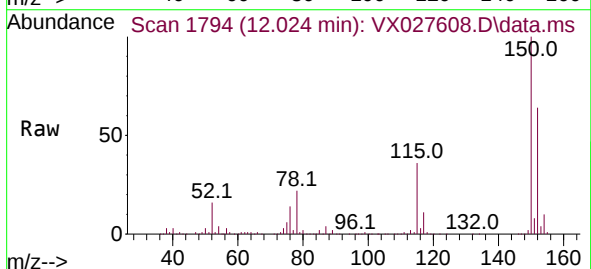
Instrument :
MSVOA_X
ClientSampleId :
VX0322MBL01

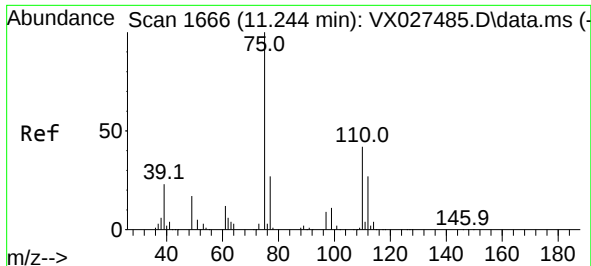
Tgt Ion:117 Resp: 536035
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

Tgt Ion:152 Resp: 243357
Ion Ratio Lower Upper
152 100
115 57.8 37.5 112.7
150 156.7 0.0 338.2

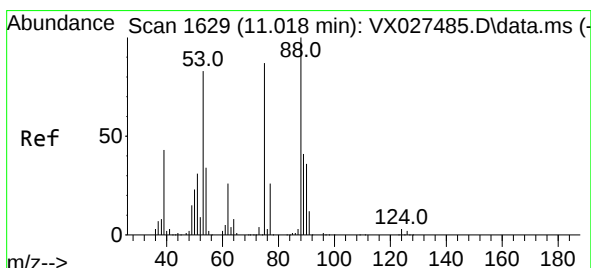
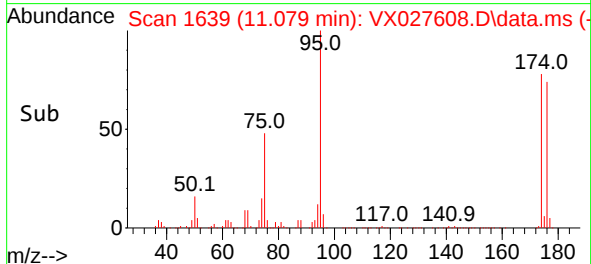
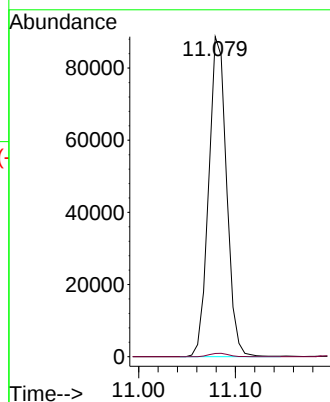
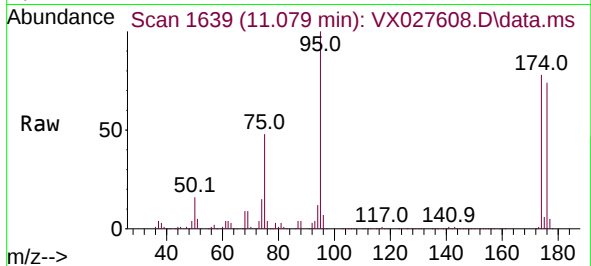




#76
1,2,3-Trichloropropane
Concen: 22.399 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

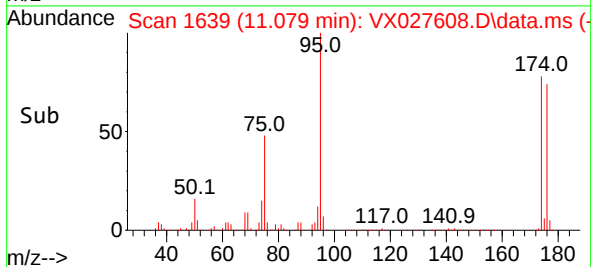
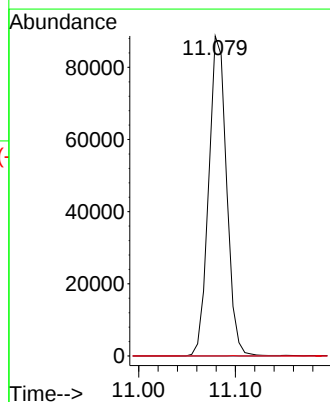
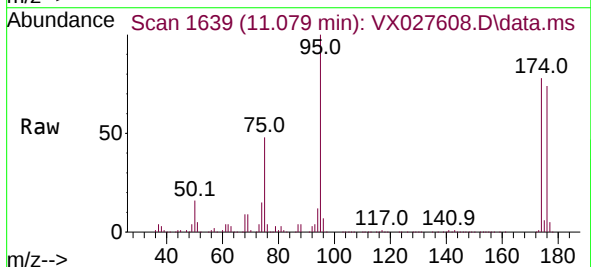
Instrument :
MSVOA_X
ClientSampleId :
VX0322MBL01

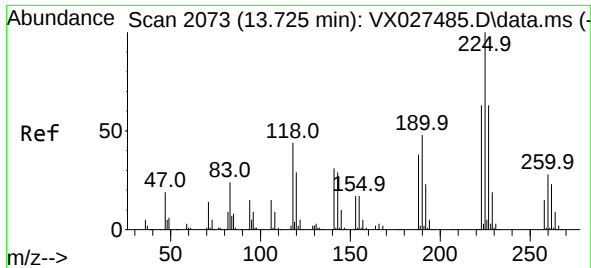
Tgt Ion: 75 Resp: 114017
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.027 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027608.D
Acq: 22 Mar 2022 11:23

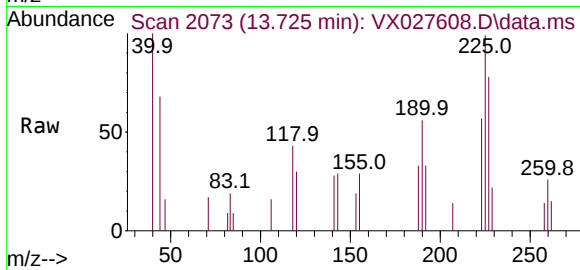
Tgt Ion: 75 Resp: 114017
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#94
 Hexachlorobutadiene
 Concen: 0.309 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX027608.D
 Acq: 22 Mar 2022 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322MBL01



Tgt Ion:	225	Resp:	708
Ion	Ratio	Lower	Upper
225	100		
223	57.8	34.2	102.5
227	69.2	33.9	101.7

