

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027598.D
 Acq On : 21 Mar 2022 19:58
 Operator : JC/MD
 Sample : N2000-13DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 05:50:16 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)

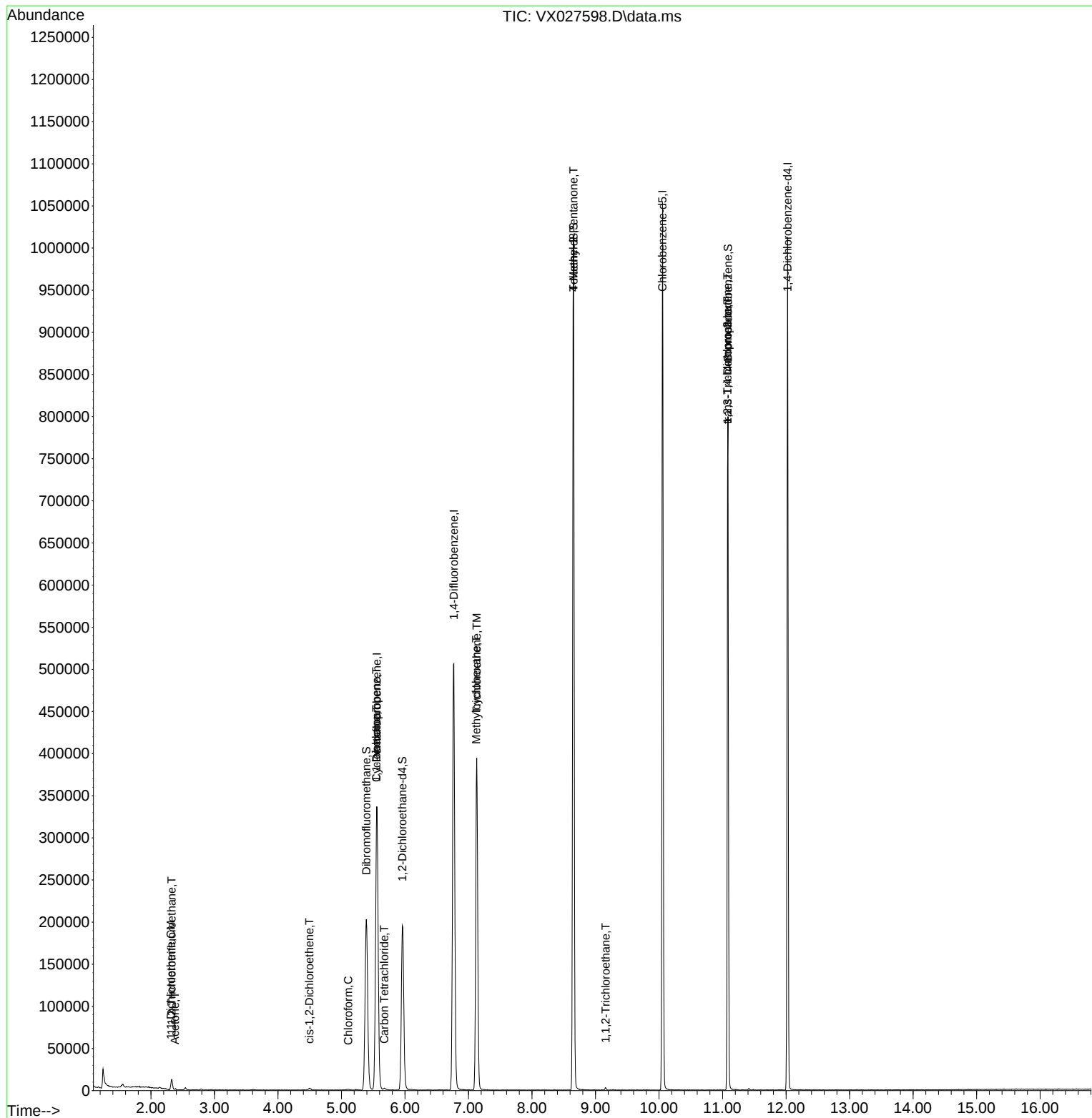
Internal Standards						
1) Pentafluorobenzene	5.556	168	335598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	553036	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	493948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	214016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191792	46.391	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.780%
35) Dibromofluoromethane	5.391	113	181459	50.998	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.000%
50) Toluene-d8	8.653	98	643649	47.804	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.600%
62) 4-Bromofluorobenzene	11.085	95	217479	43.945	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.880%
Target Compounds						
5) Bromomethane	1.605	94	514	Below Cal	#	60
9) 1,1,2-Trichlorotrifluo...	2.325	101	3447	1.061	ug/l	91
12) 1,1-Dichloroethene	2.312	96	1907	0.612	ug/l #	65
16) Acetone	2.379	43	1715	1.018	ug/l #	71
27) cis-1,2-Dichloroethene	4.495	96	1430	0.371	ug/l	90
30) Chloroform	5.105	83	1357	0.212	ug/l	100
31) Cyclohexane	5.550	56	5534	1.078	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	22564	4.640	ug/l #	50
38) Carbon Tetrachloride	5.672	117	1539	0.277	ug/l	93
39) Methylcyclohexane	7.123	83	1755	0.287	ug/l #	1
44) Trichloroethene	7.129	130	163726	38.663	ug/l	100
51) 4-Methyl-2-Pentanone	8.653	43	2149	0.432	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	886	0.233	ug/l #	79
76) 1,2,3-Trichloropropane	11.079	75	103772	23.182	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	103772	70.403	ug/l #	15

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

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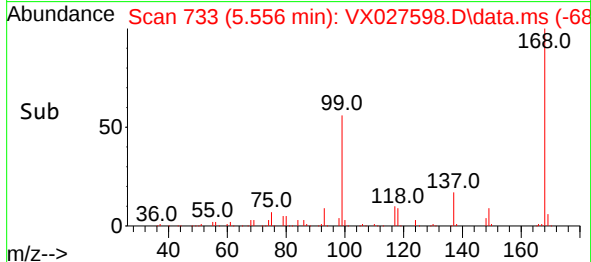
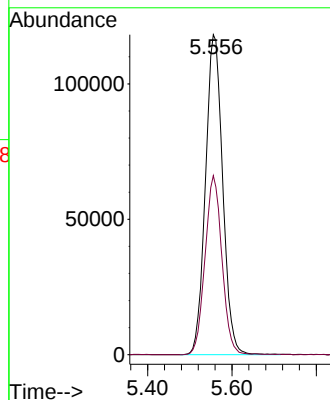
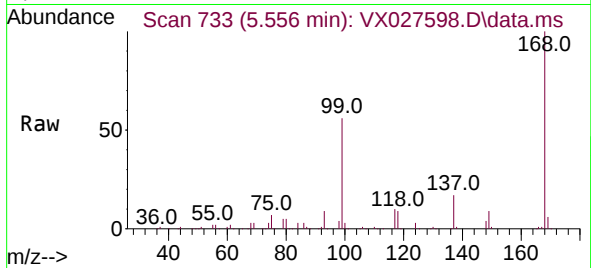




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

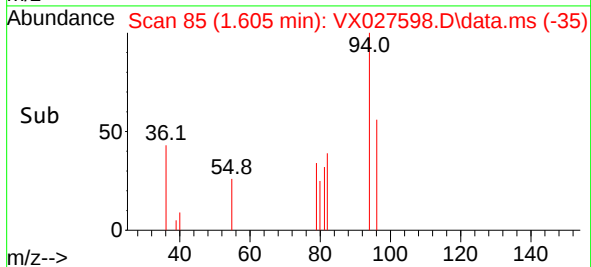
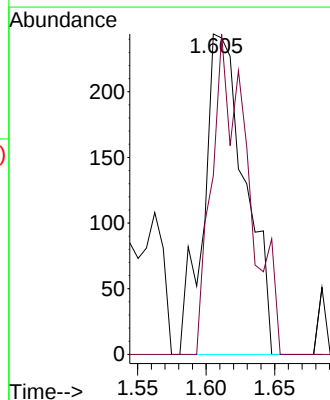
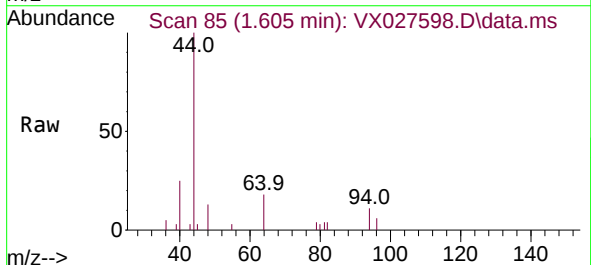
Instrument :
MSVOA_X
ClientSampleId :

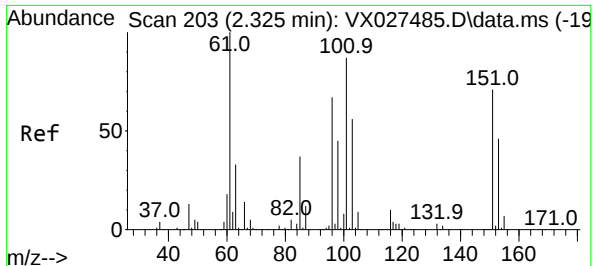
Tgt Ion:168 Resp: 335598
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 55.7 75.3 112.9#

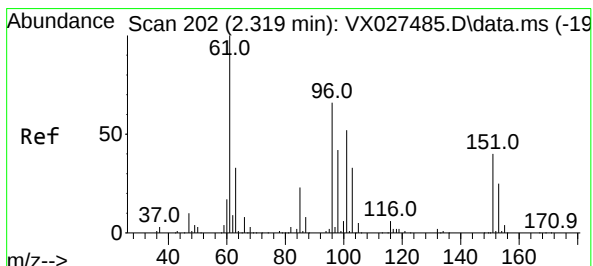
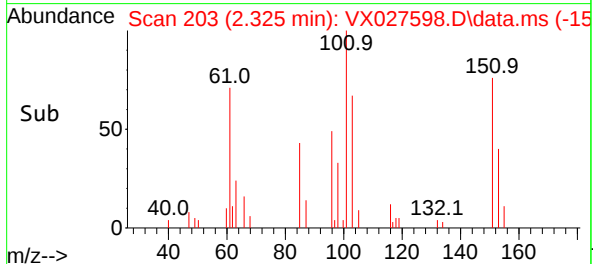
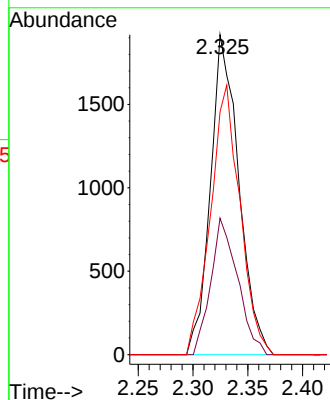
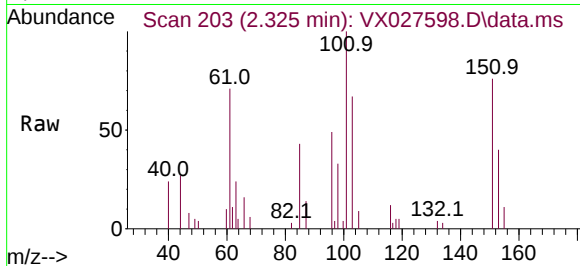




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.061 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX027598.D
 Acq: 21 Mar 2022 19:58

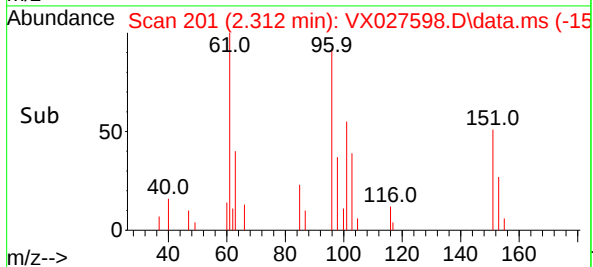
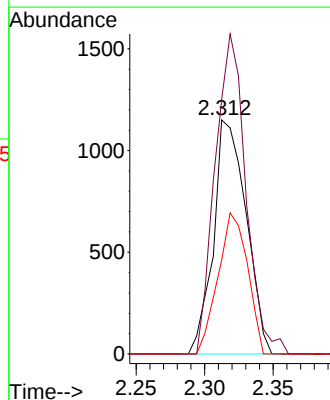
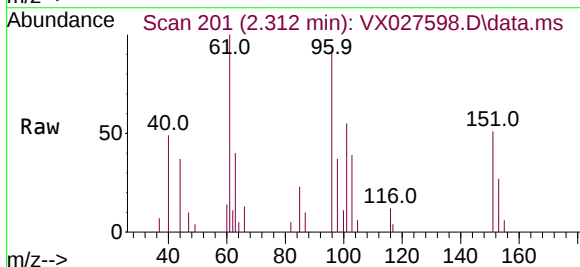
Instrument :
 MSVOA_X
 ClientSampleId :

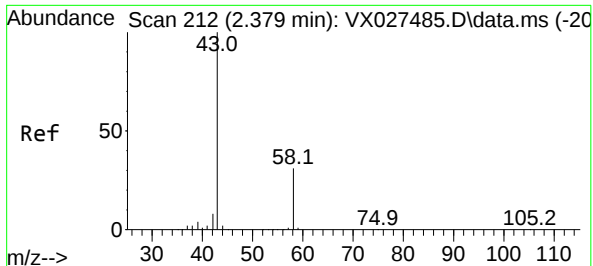
Tgt Ion:101 Resp: 3447
 Ion Ratio Lower Upper
 101 100
 85 40.5 33.5 50.3
 151 87.8 61.8 92.6



#12
 1,1-Dichloroethene
 Concen: 0.612 ug/l
 RT: 2.312 min Scan# 201
 Delta R.T. -0.006 min
 Lab File: VX027598.D
 Acq: 21 Mar 2022 19:58

Tgt Ion: 96 Resp: 1907
 Ion Ratio Lower Upper
 96 100
 61 108.6 124.6 187.0#
 98 40.0 51.0 76.4#

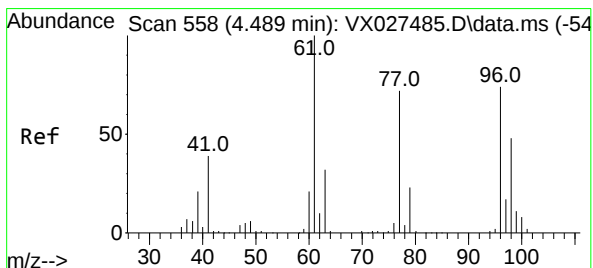
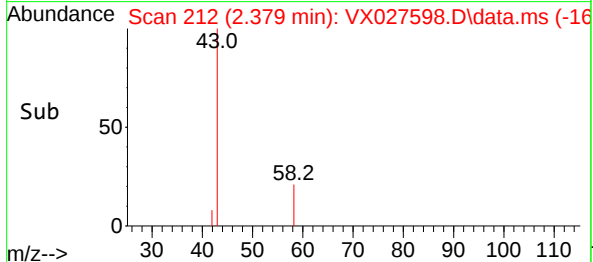
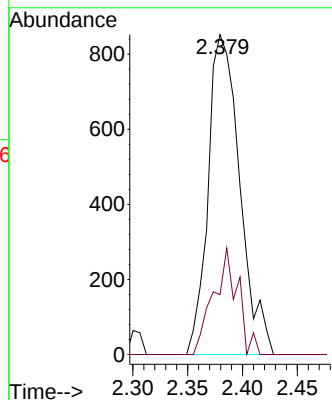
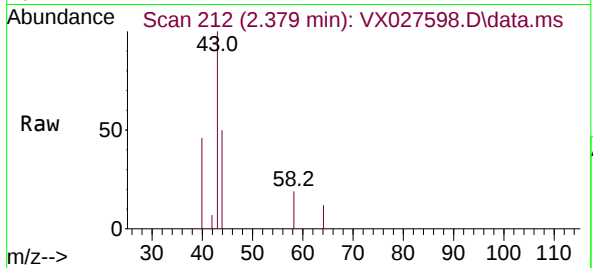




#16
Acetone
Concen: 1.018 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

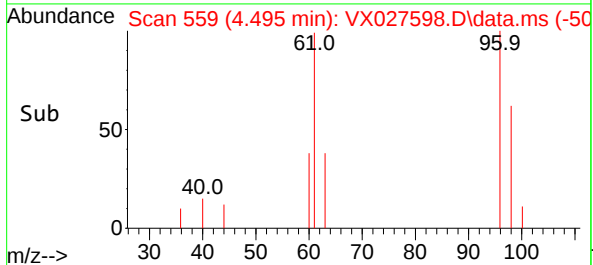
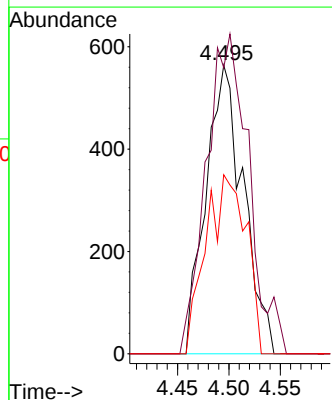
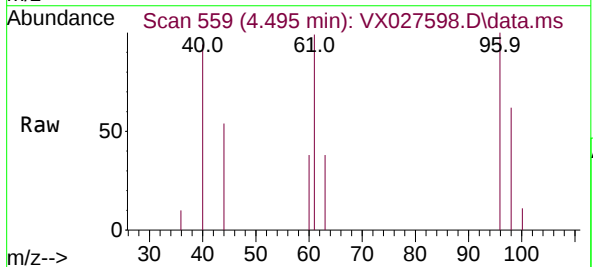
Instrument :
MSVOA_X
ClientSampleId :

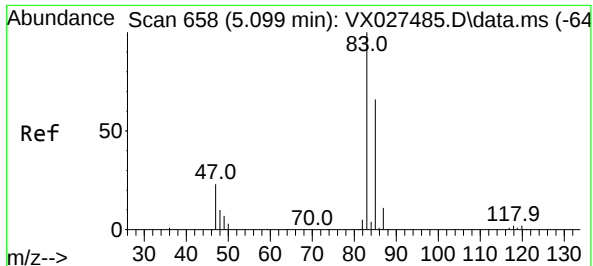
Tgt Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
58 18.8 28.8 43.2#



#27
cis-1,2-Dichloroethene
Concen: 0.371 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

Tgt Ion: 96 Resp: 1430
Ion Ratio Lower Upper
96 100
61 125.6 0.0 283.8
98 66.9 0.0 129.8





#30

Chloroform

Concen: 0.212 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX027598.D

Acq: 21 Mar 2022 19:58

Instrument :

MSVOA_X

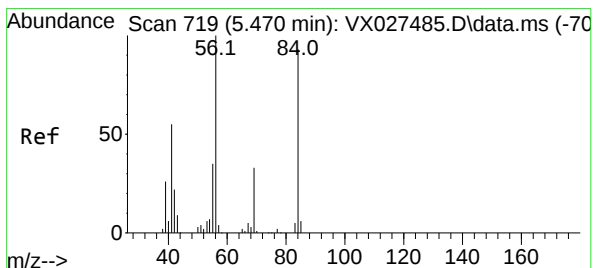
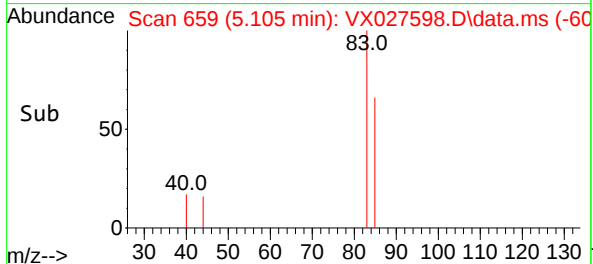
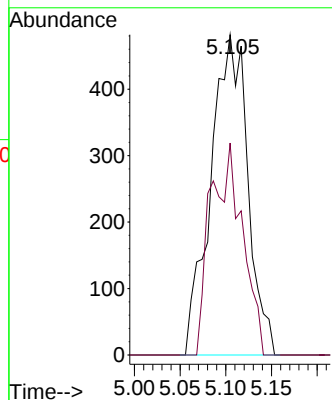
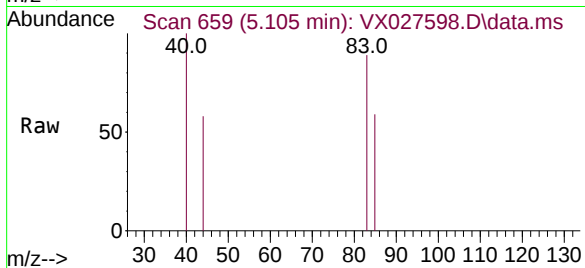
ClientSampleId :

Tgt Ion: 83 Resp: 1357

Ion Ratio Lower Upper

83 100

85 66.2 52.7 79.1



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027598.D

Acq: 21 Mar 2022 19:58

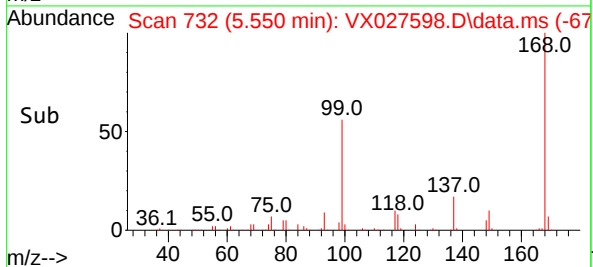
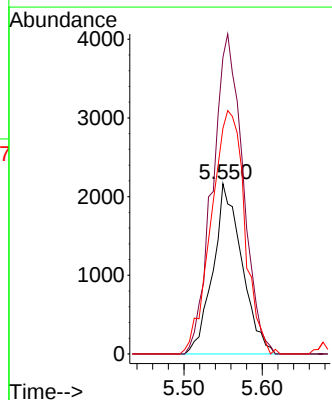
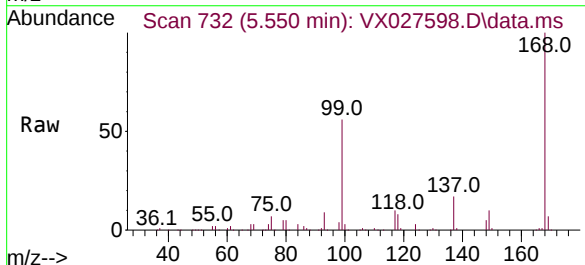
Tgt Ion: 56 Resp: 5534

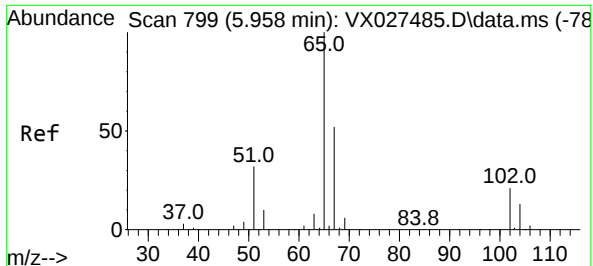
Ion Ratio Lower Upper

56 100

69 174.2 26.7 40.1#

84 132.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.391 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX027598.D

Acq: 21 Mar 2022 19:58

Instrument :

MSVOA_X

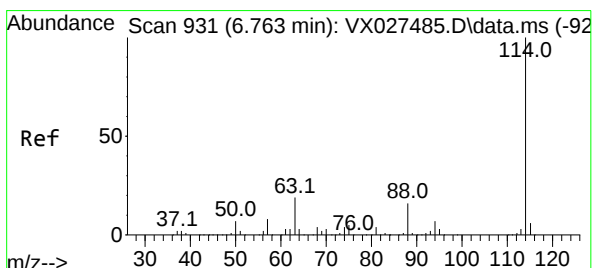
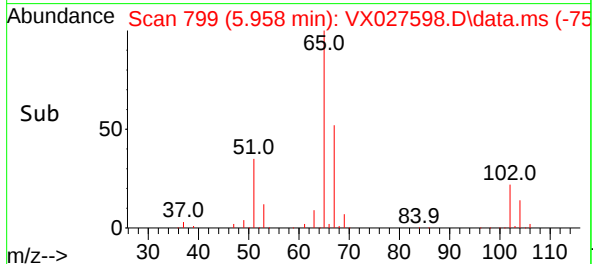
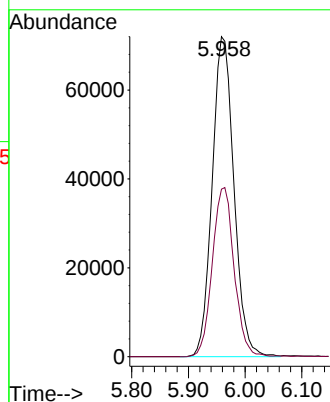
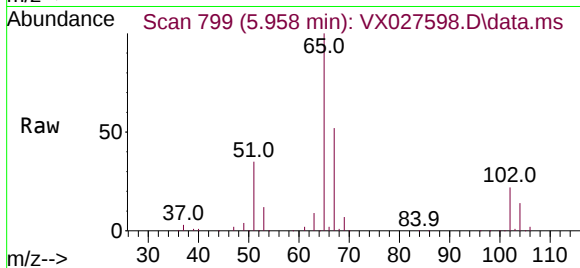
ClientSampleId :

Tgt Ion: 65 Resp: 191792

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027598.D

Acq: 21 Mar 2022 19:58

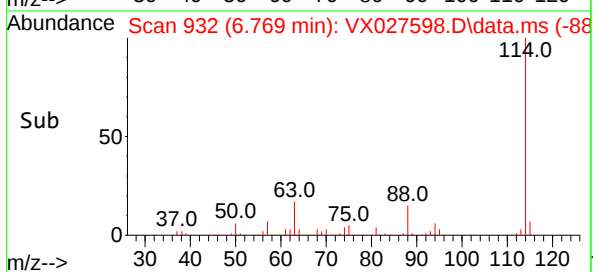
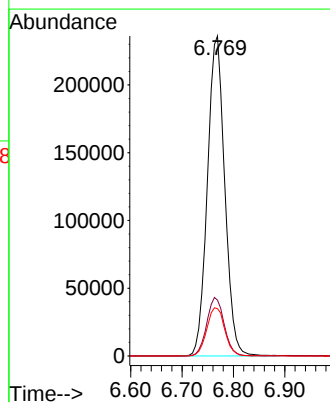
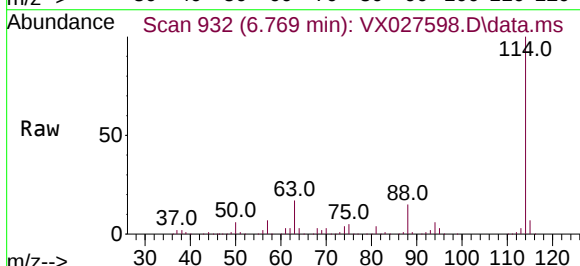
Tgt Ion: 114 Resp: 553036

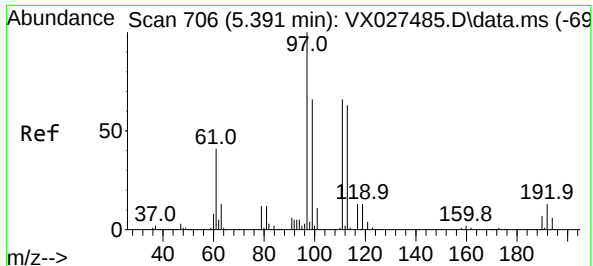
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

88 14.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.998 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

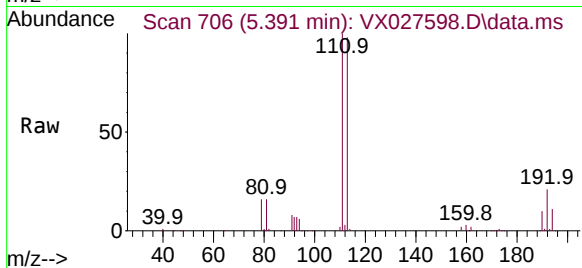
Lab File: VX027598.D

Acq: 21 Mar 2022 19:58

Instrument :

MSVOA_X

ClientSampleId :



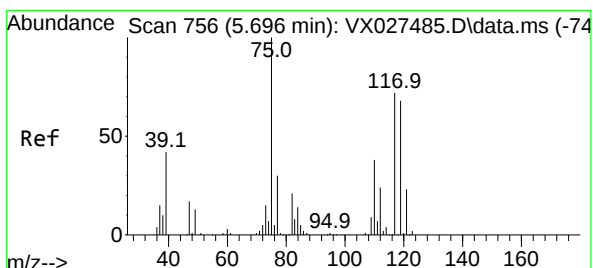
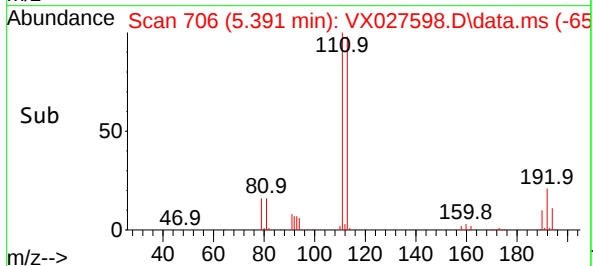
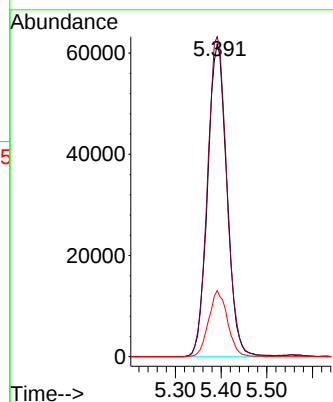
Tgt Ion:113 Resp: 181459

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 20.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.640 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027598.D

Acq: 21 Mar 2022 19:58

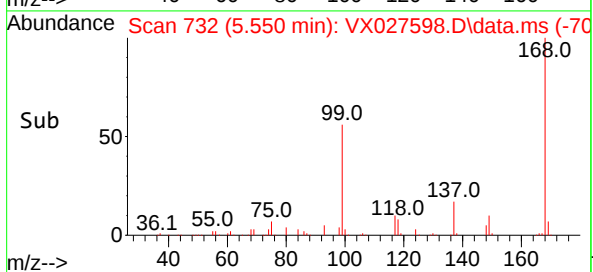
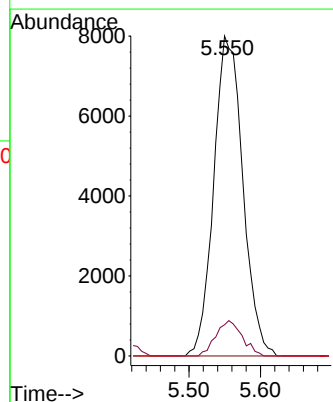
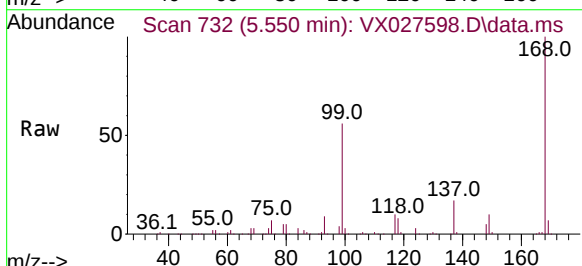
Tgt Ion: 75 Resp: 22564

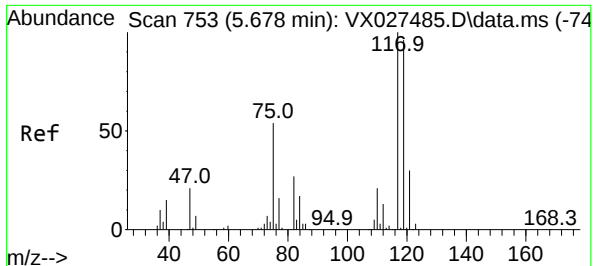
Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 24.8 37.2#

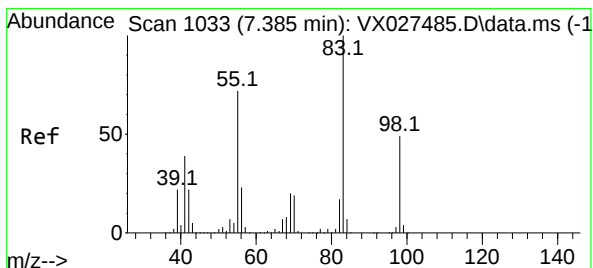
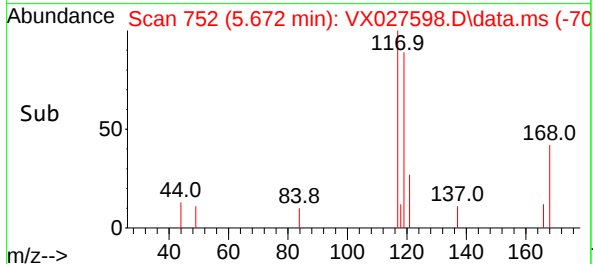
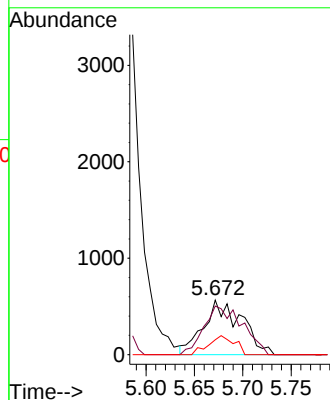
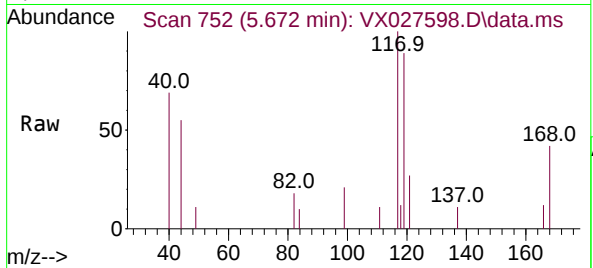




#38
Carbon Tetrachloride
Concen: 0.277 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

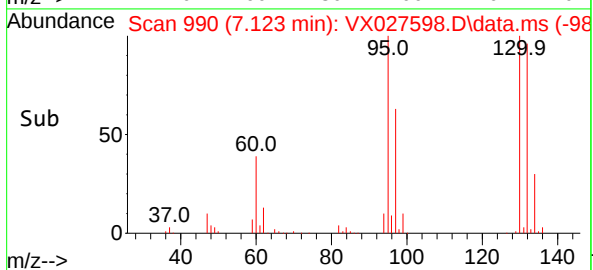
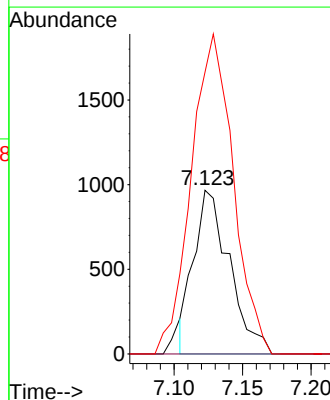
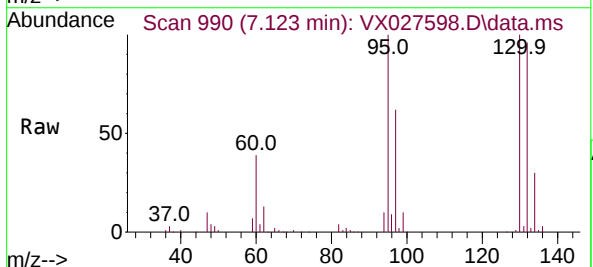
Instrument :
MSVOA_X
ClientSampleId :

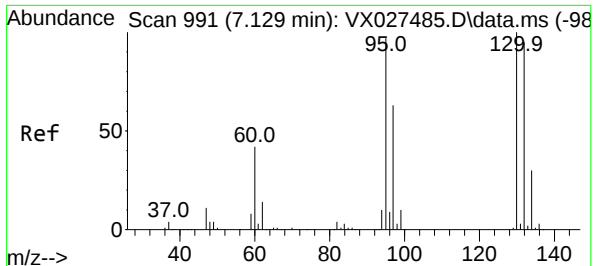
Tgt Ion:117 Resp: 1539
Ion Ratio Lower Upper
117 100
119 89.0 77.3 115.9
121 27.2 24.2 36.2



#39
Methylcyclohexane
Concen: 0.287 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

Tgt Ion: 83 Resp: 1755
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 172.1 37.4 56.2#

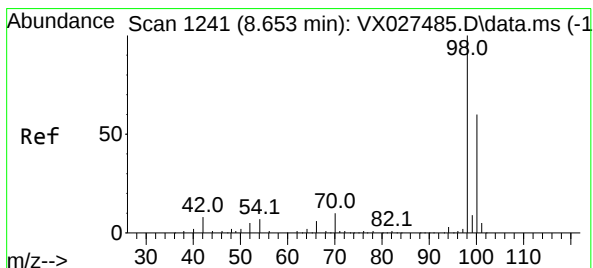
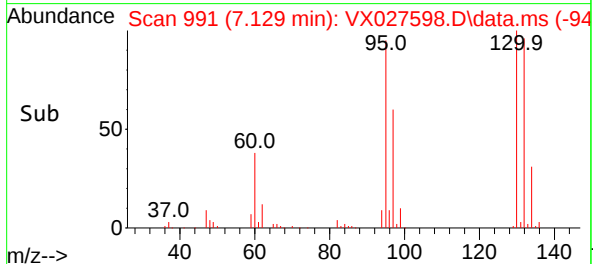
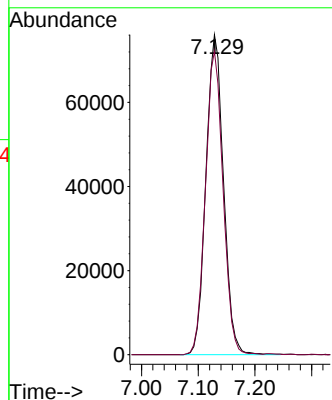
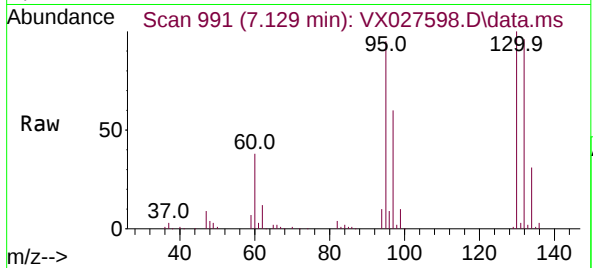




#44
Trichloroethene
Concen: 38.663 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

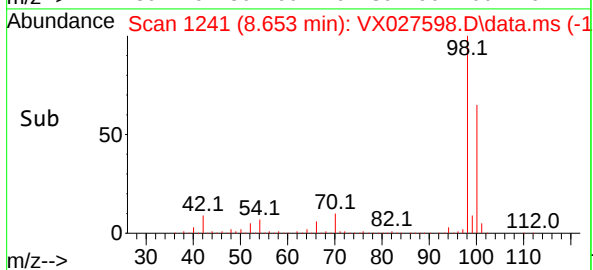
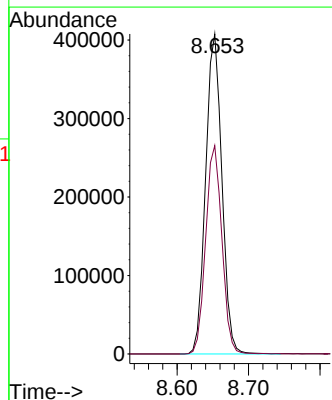
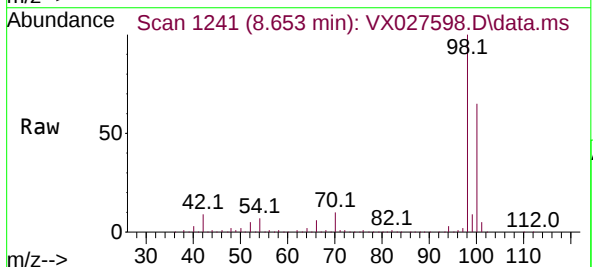
Instrument :
MSVOA_X
ClientSampleId :

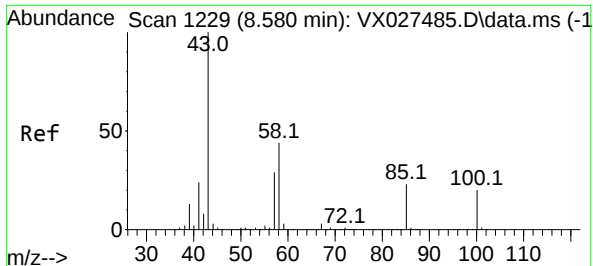
Tgt Ion:130 Resp: 163726
Ion Ratio Lower Upper
130 100
95 94.8 0.0 188.8



#50
Toluene-d8
Concen: 47.804 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

Tgt Ion: 98 Resp: 643649
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

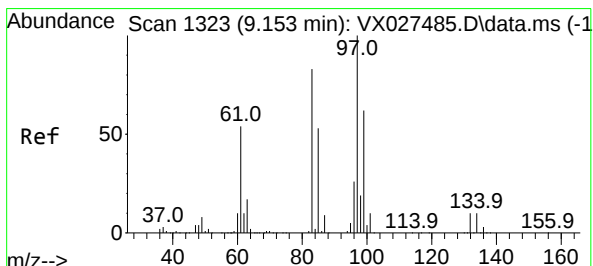
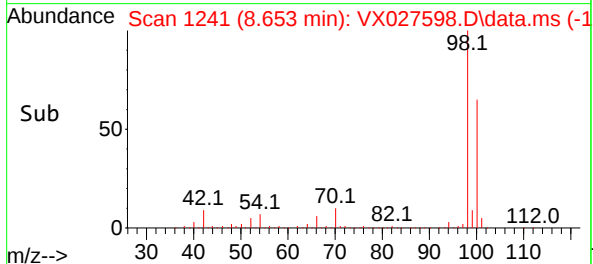
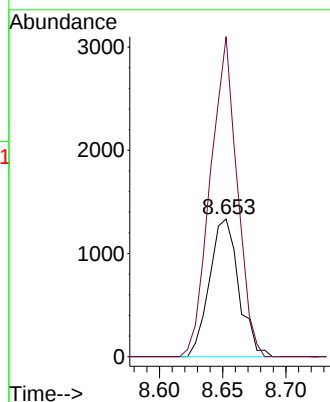
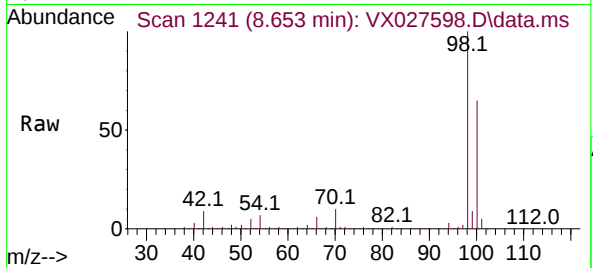




#51
4-Methyl-2-Pentanone
Concen: 0.432 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

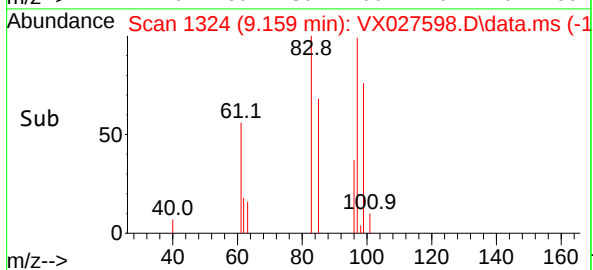
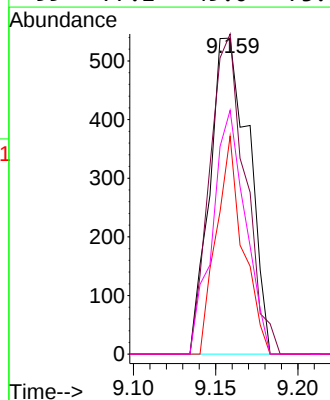
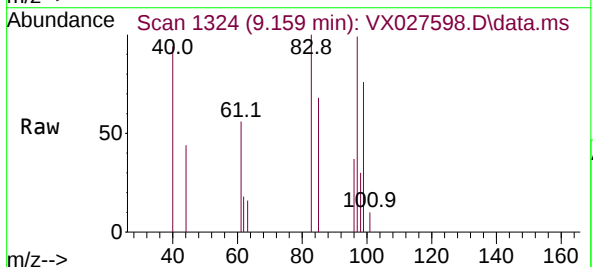
Instrument :
MSVOA_X
ClientSampleId :

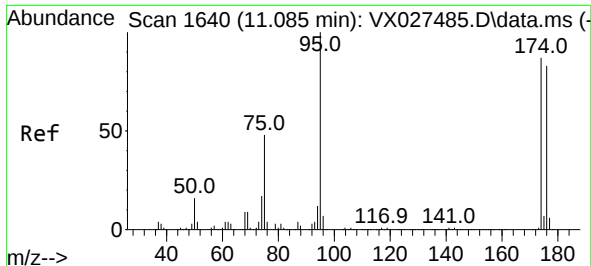
Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
58 212.8 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.233 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

Tgt Ion: 97 Resp: 886
Ion Ratio Lower Upper
97 100
83 101.3 66.2 99.4#
85 69.0 42.9 64.3#
99 77.2 49.0 73.6#

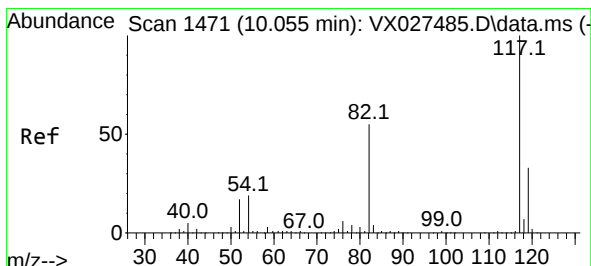
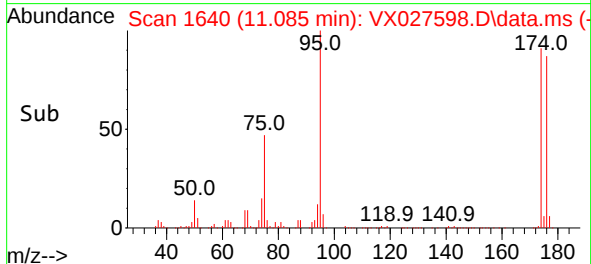
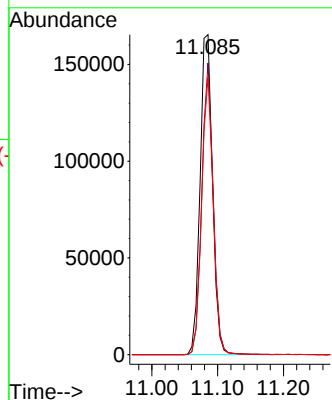
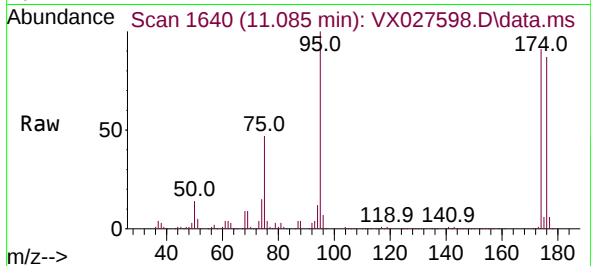




#62
4-Bromofluorobenzene
Concen: 43.945 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

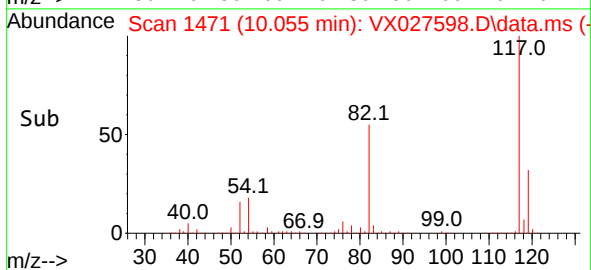
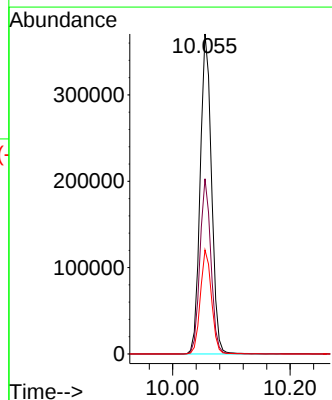
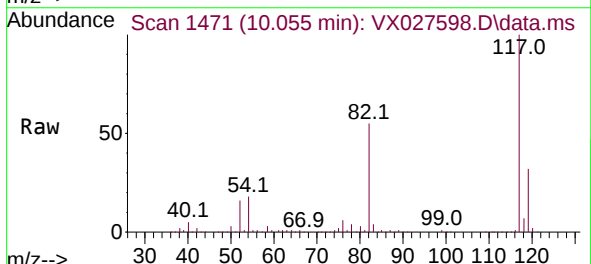
Instrument :
MSVOA_X
ClientSampleId :

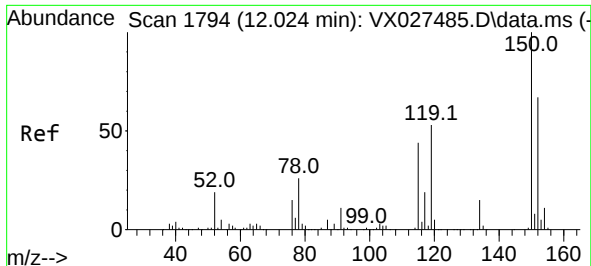
Tgt Ion: 95 Resp: 217479
Ion Ratio Lower Upper
95 100
174 84.1 0.0 163.0
176 80.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027598.D
Acq: 21 Mar 2022 19:58

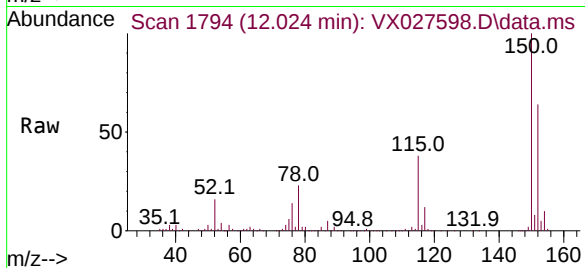
Tgt Ion: 117 Resp: 493948
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 32.5 24.8 37.2



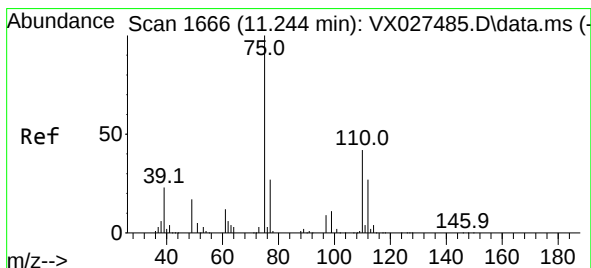
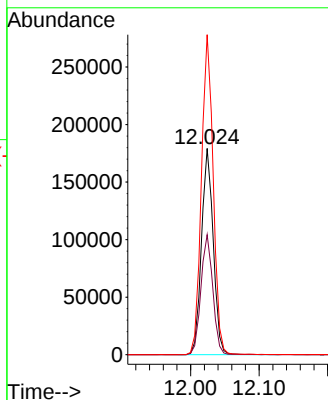
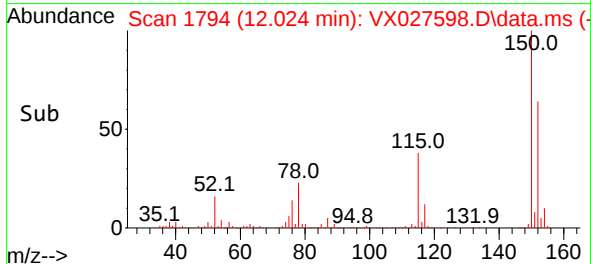


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027598.D
 Acq: 21 Mar 2022 19:58

Instrument :
 MSVOA_X
 ClientSampleId :

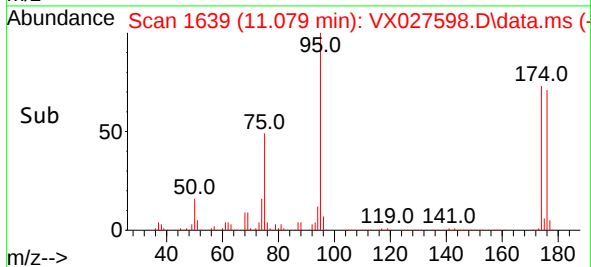
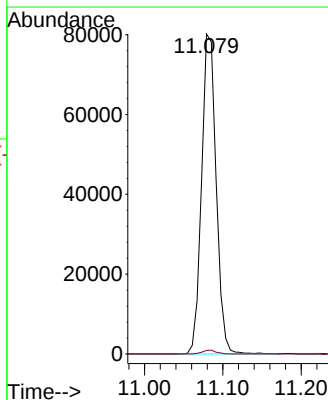
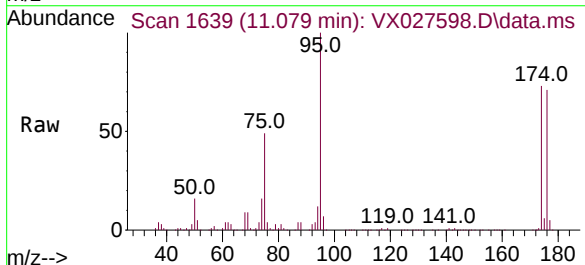


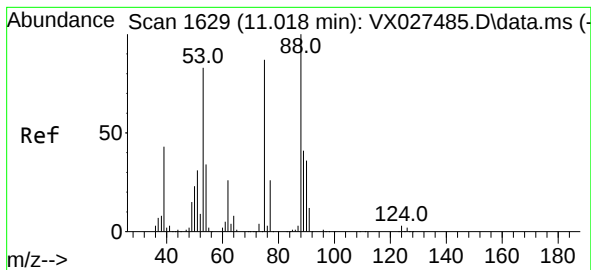
Tgt Ion:152 Resp: 214016
 Ion Ratio Lower Upper
 152 100
 115 58.7 37.5 112.7
 150 155.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.182 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027598.D
 Acq: 21 Mar 2022 19:58

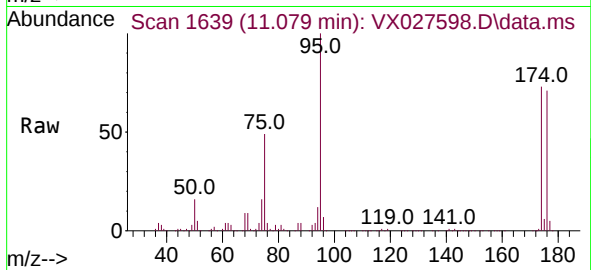
Tgt Ion: 75 Resp: 103772
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.403 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027598.D
 Acq: 21 Mar 2022 19:58

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 103772
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.0 103.4#
 89 0.0 37.0 55.6#

