

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027593.D
 Acq On : 21 Mar 2022 18:00
 Operator : JC/MD
 Sample : N2000-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 05:48:42 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

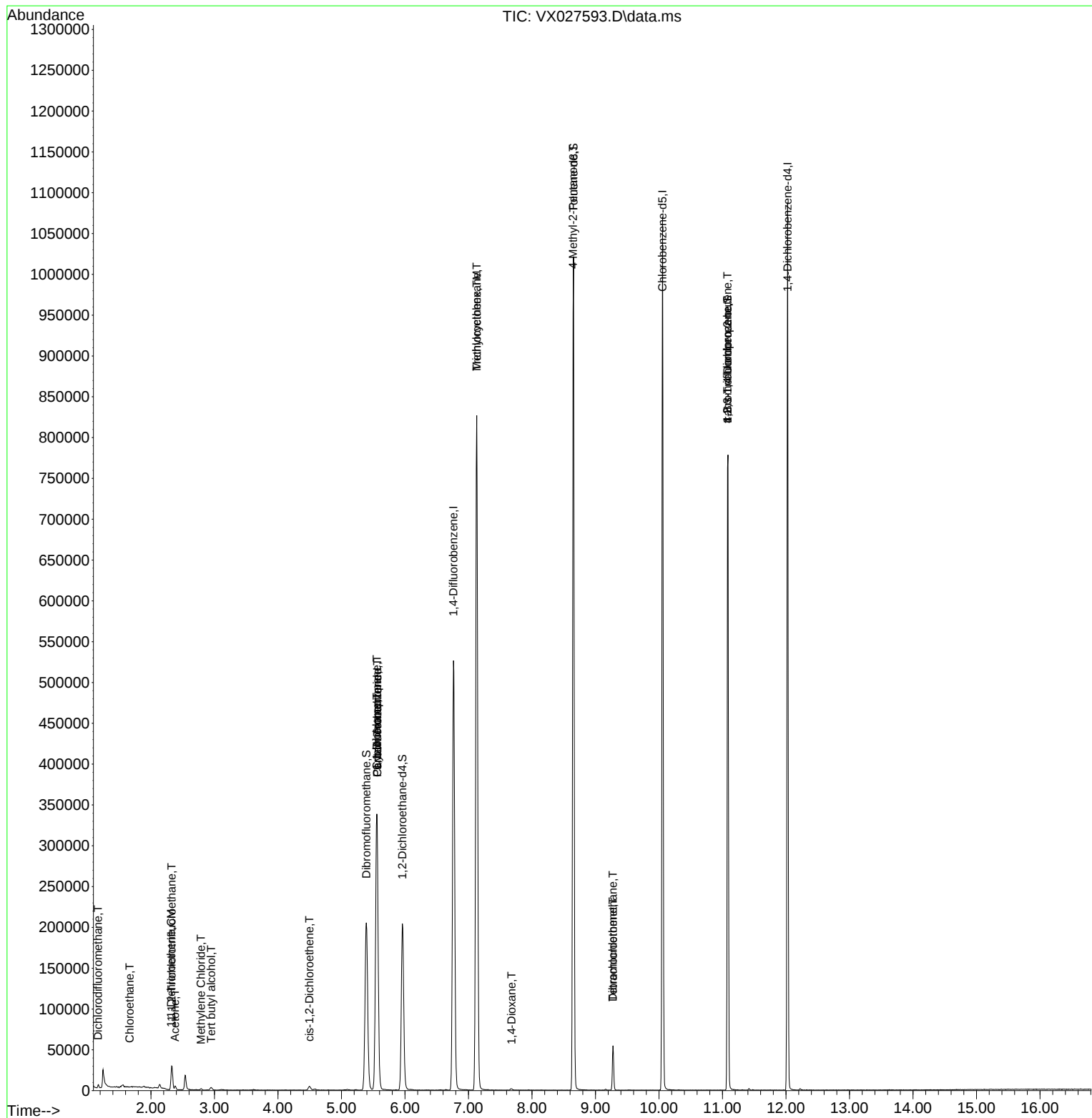
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	343062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	567169	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	507534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	236199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	198782	47.036	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.080%
35) Dibromofluoromethane	5.391	113	187254	51.316	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.640%
50) Toluene-d8	8.653	98	651939	47.213	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.420%
62) 4-Bromofluorobenzene	11.079	95	223021	43.942	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	1581	0.480	ug/l	94
5) Bromomethane	1.618	94	480	Below Cal	#	63
6) Chloroethane	1.666	64	1407	0.679	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	10784	3.248	ug/l	93
11) Tert butyl alcohol	2.947	59	1957	2.430	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	1425	0.447	ug/l	94
16) Acetone	2.380	43	4462	2.590	ug/l #	85
20) Methylene Chloride	2.788	84	793	0.214	ug/l #	86
27) cis-1,2-Dichloroethene	4.495	96	3317	0.842	ug/l	84
31) Cyclohexane	5.556	56	5600	1.067	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23376	4.688	ug/l #	50
38) Carbon Tetrachloride	5.562	117	32734	5.738	ug/l #	15
39) Methylcyclohexane	7.129	83	3626	0.578	ug/l #	1
44) Trichloroethene	7.129	130	340178	78.329	ug/l	99
49) 1,4-Dioxane	7.678	88	1494	14.697	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	1812	0.355	ug/l #	1
60) Dibromochloromethane	9.275	129	10403	2.421	ug/l #	9
64) Tetrachloroethene	9.275	164	11501	2.914	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	101572	20.559	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	101572	62.439	ug/l #	15

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

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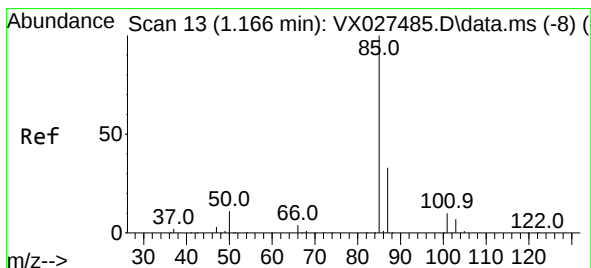
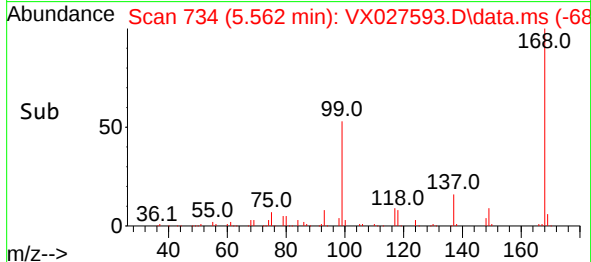
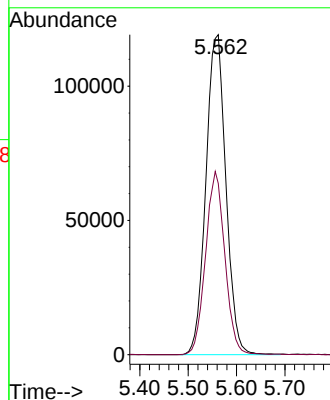
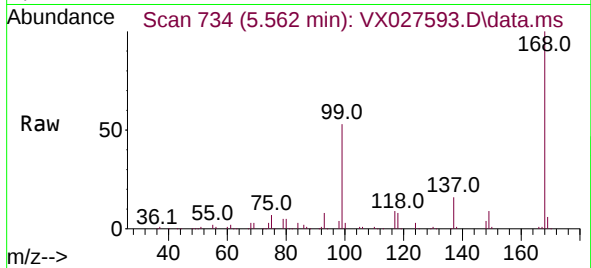




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

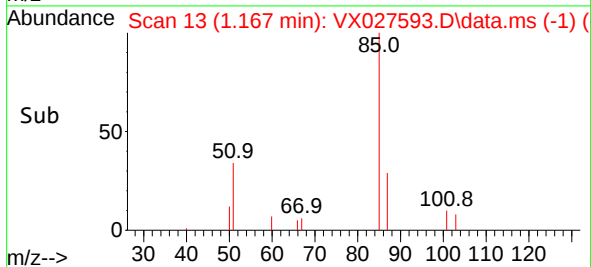
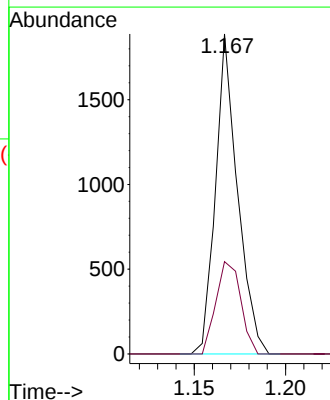
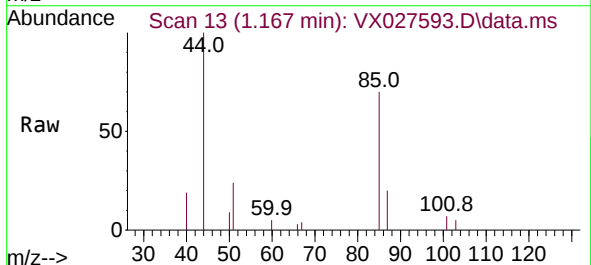
Instrument :
MSVOA_X
ClientSampleId :

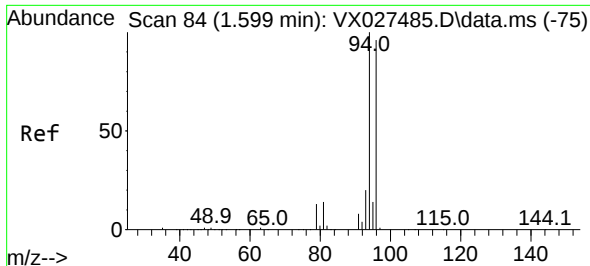
Tgt Ion:168 Resp: 343062
Ion Ratio Lower Upper
168 100
99 53.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.480 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion: 85 Resp: 1581
Ion Ratio Lower Upper
85 100
87 28.8 16.2 48.6

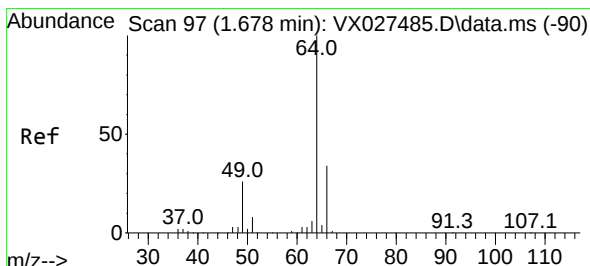
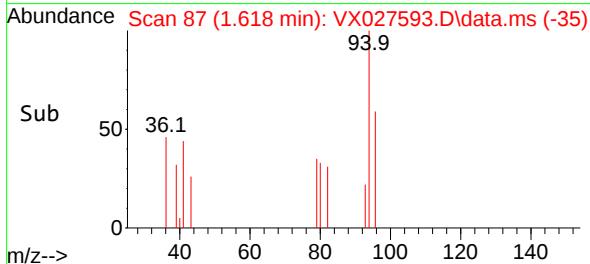
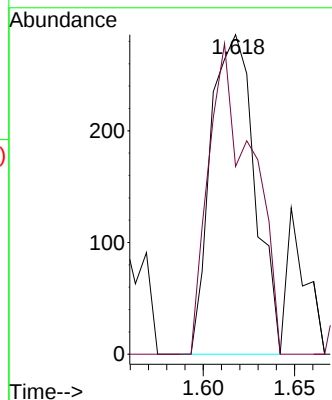
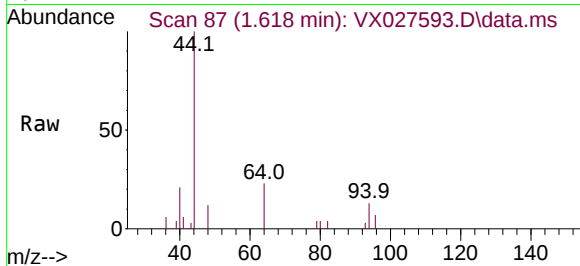




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

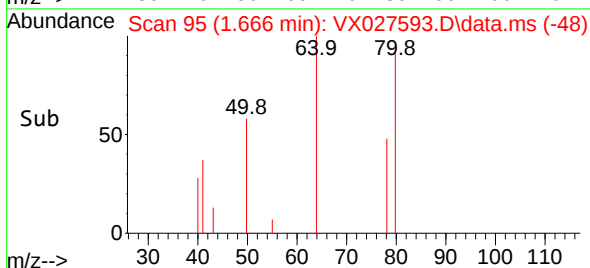
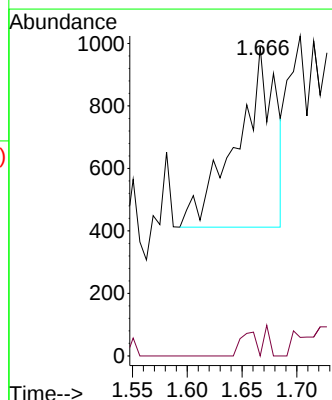
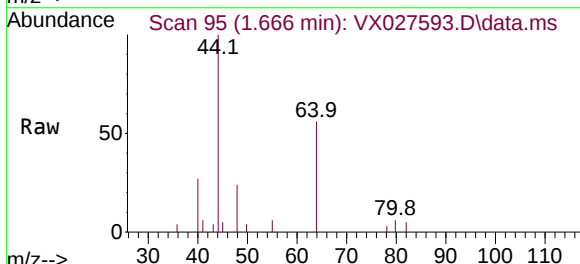
Instrument :
MSVOA_X
ClientSampleId :

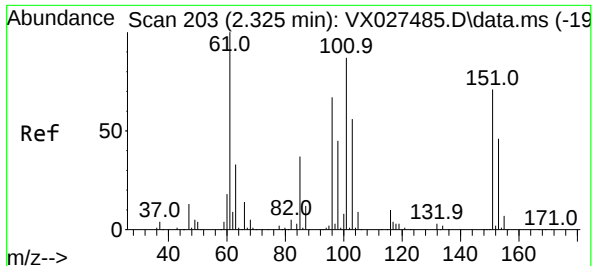
Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 58.7 75.3 112.9#



#6
Chloroethane
Concen: 0.679 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion: 64 Resp: 1407
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

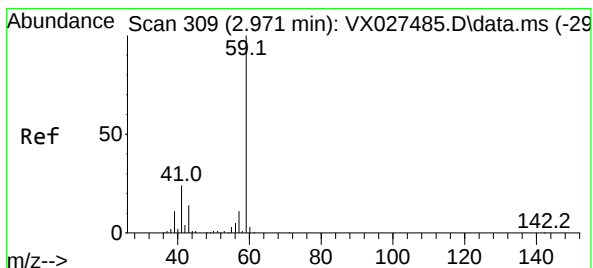
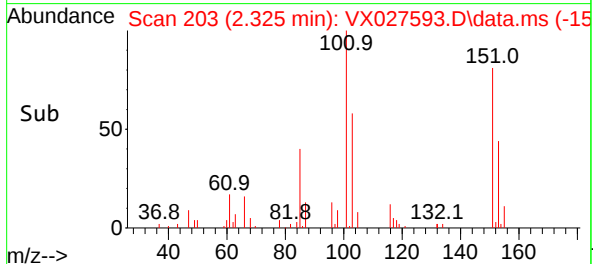
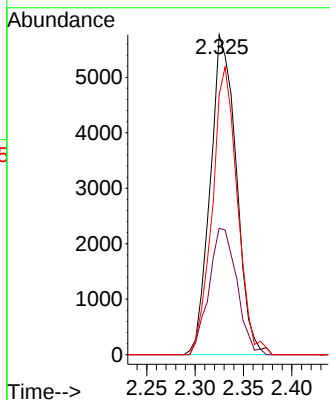
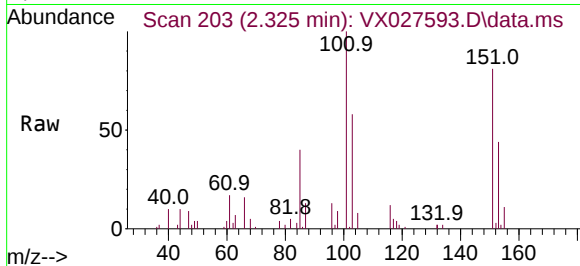




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.248 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

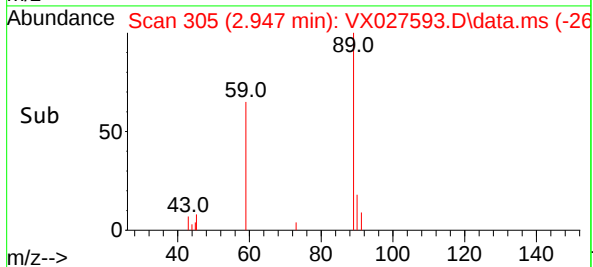
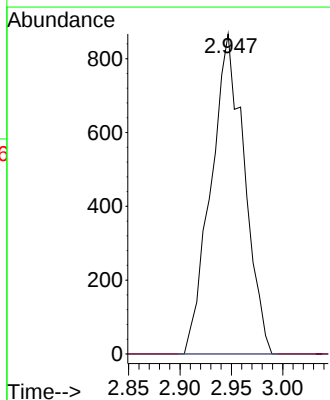
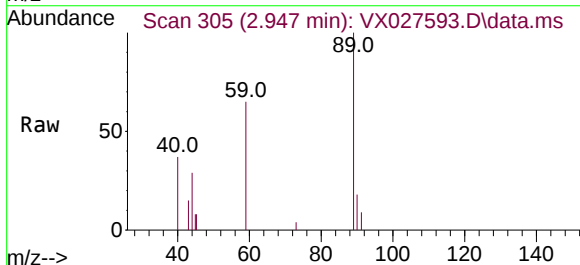
Instrument :
MSVOA_X
ClientSampleId :

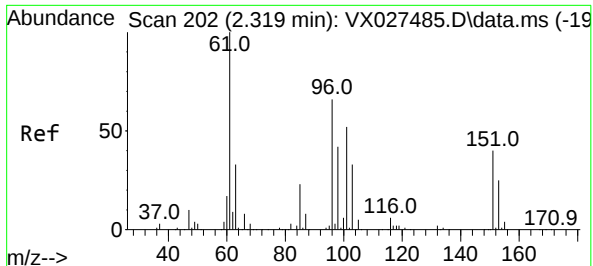
Tgt Ion:101 Resp: 10784
Ion Ratio Lower Upper
101 100
85 42.2 33.5 50.3
151 86.7 61.8 92.6



#11
Tert butyl alcohol
Concen: 2.430 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion: 59 Resp: 1957
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.447 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX027593.D

Acq: 21 Mar 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

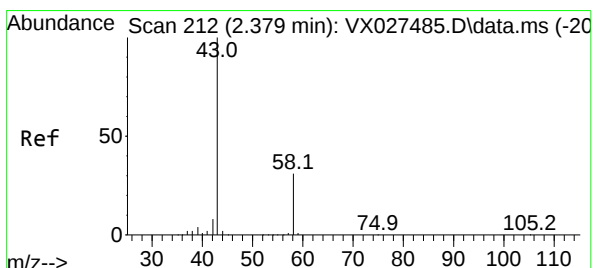
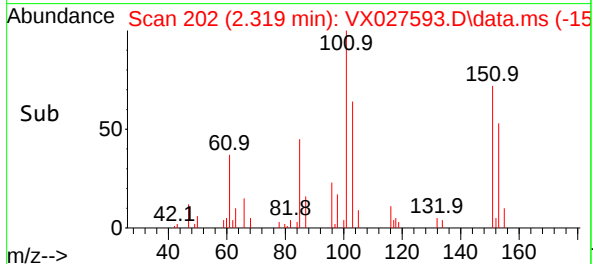
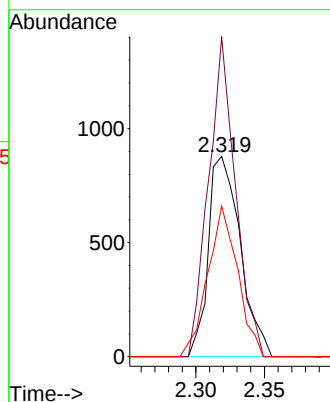
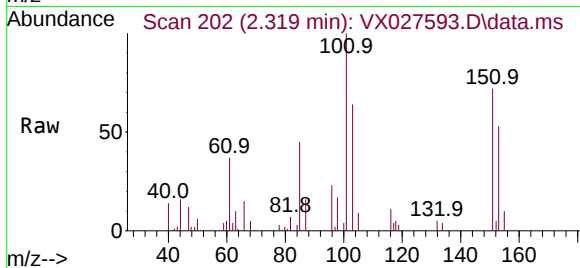
Tgt Ion: 96 Resp: 1425

Ion Ratio Lower Upper

96 100

61 159.8 124.6 187.0

98 75.3 51.0 76.4



#16

Acetone

Concen: 2.590 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX027593.D

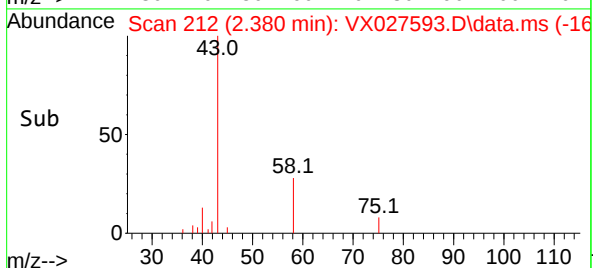
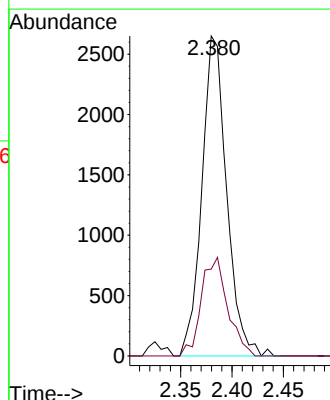
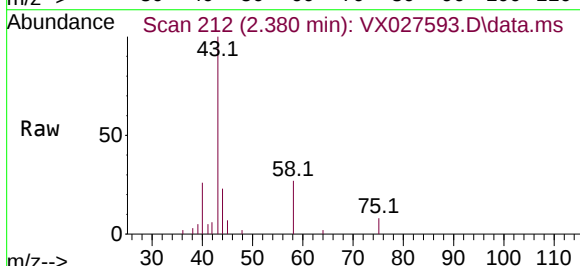
Acq: 21 Mar 2022 18:00

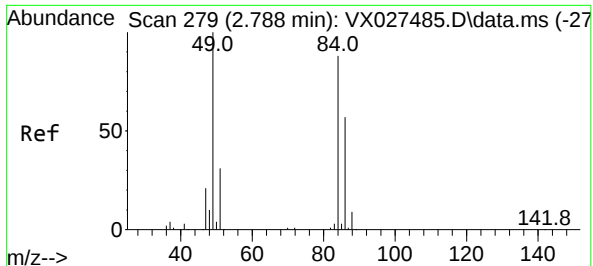
Tgt Ion: 43 Resp: 4462

Ion Ratio Lower Upper

43 100

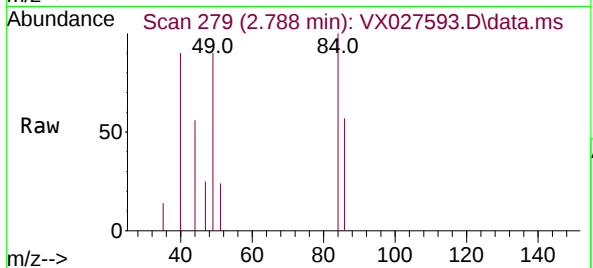
58 27.2 28.8 43.2#



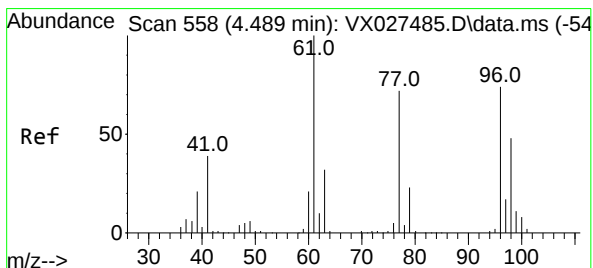
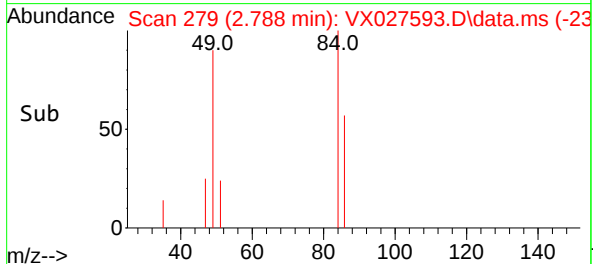
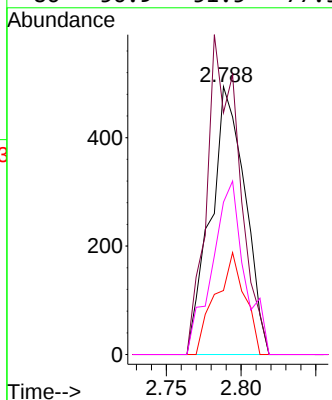


#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Instrument :
MSVOA_X
ClientSampleId :

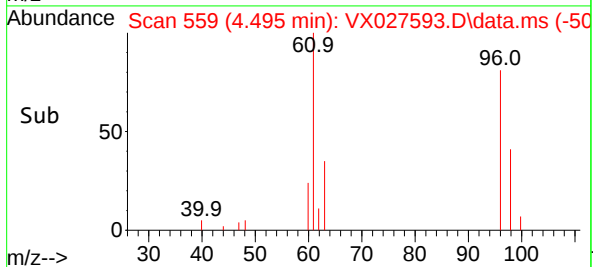
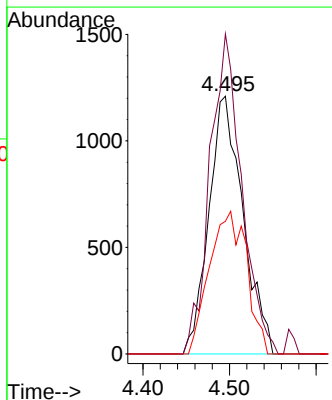
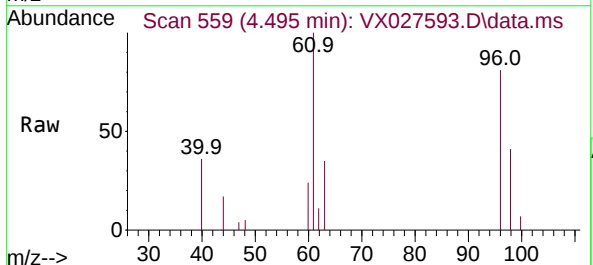


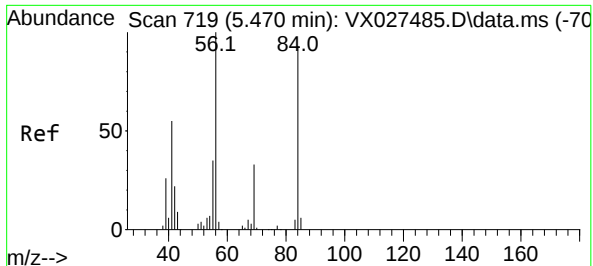
Tgt Ion: 84	Resp: 793
Ion Ratio	Lower Upper
84 100	
49 90.3	85.5 128.3
51 23.9	26.6 39.8#
86 56.9	51.5 77.3



#27
cis-1,2-Dichloroethene
Concen: 0.842 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

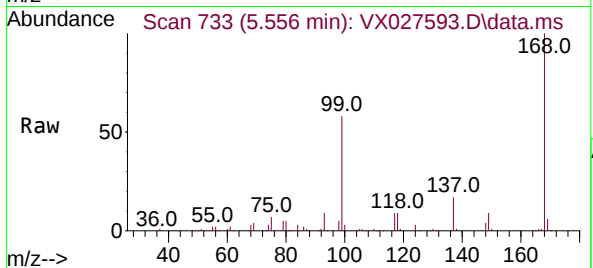
Tgt Ion: 96	Resp: 3317		
Ion Ratio	Lower	Upper	
96 100			
61 115.6	0.0	283.8	
98 60.6	0.0	129.8	



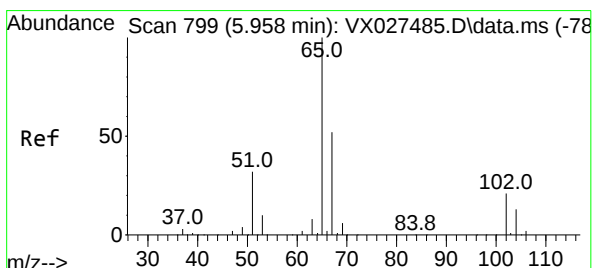
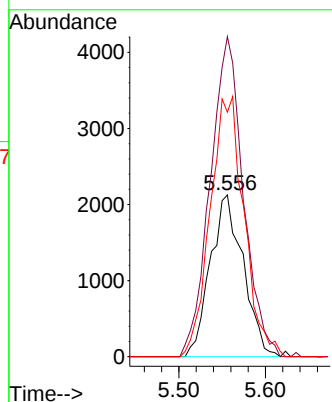
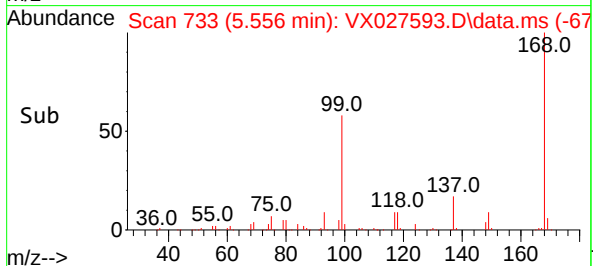


#31
Cyclohexane
Concen: 1.067 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Instrument :
MSVOA_X
ClientSampleId :

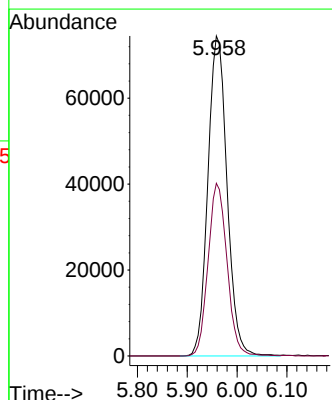
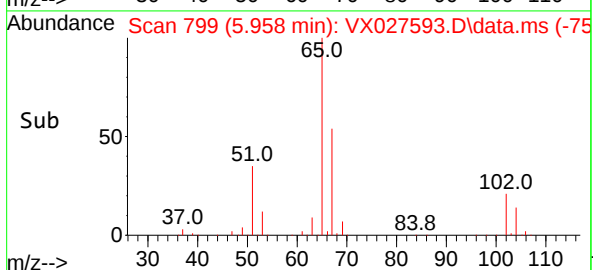
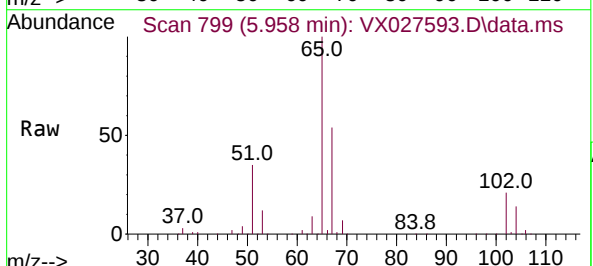


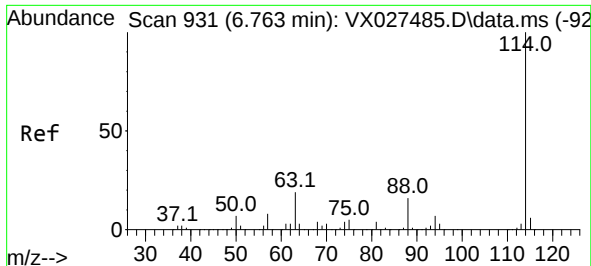
Tgt Ion: 56 Resp: 5600
Ion Ratio Lower Upper
56 100
69 197.8 26.7 40.1#
84 151.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.036 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion: 65 Resp: 198782
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.4

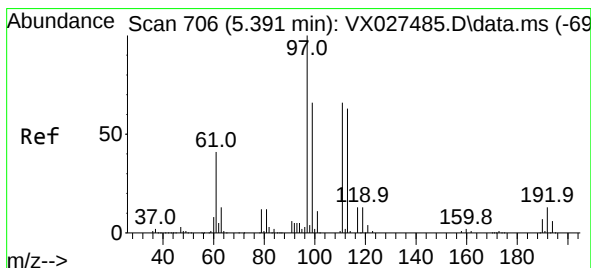
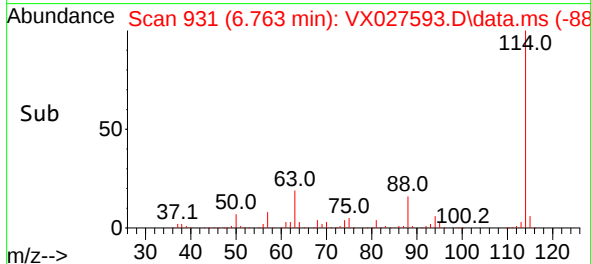
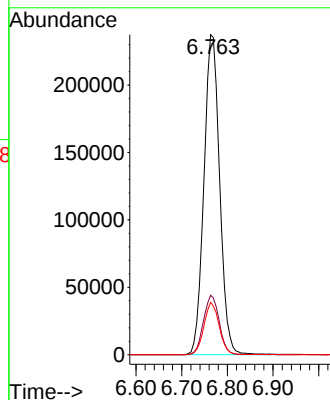
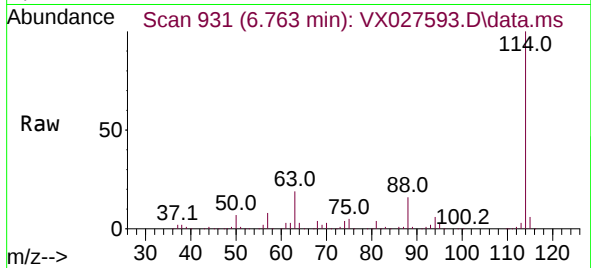




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX027593.D
 Acq: 21 Mar 2022 18:00

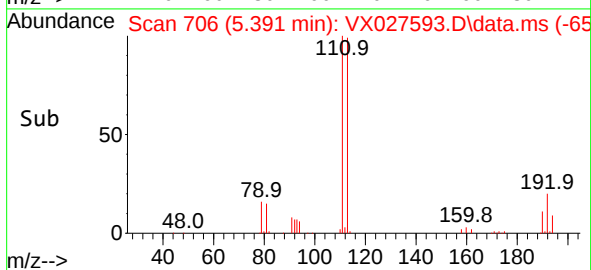
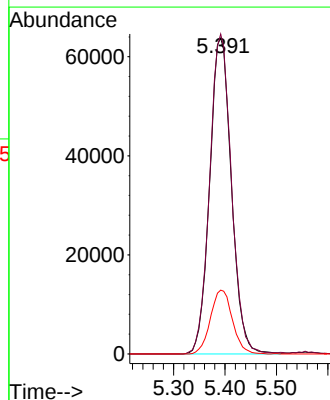
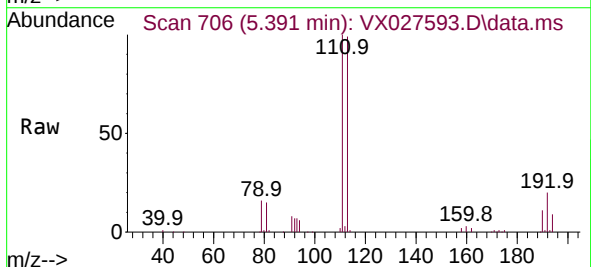
Instrument :
 MSVOA_X
 ClientSampleId :

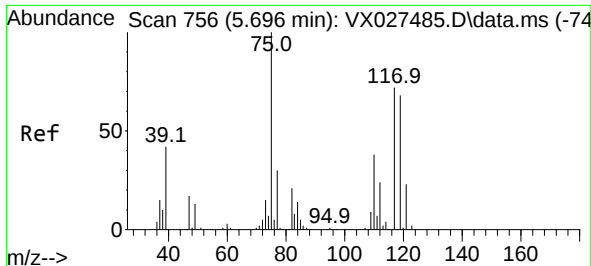
Tgt Ion:114 Resp: 567169
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 16.3 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 51.316 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX027593.D
 Acq: 21 Mar 2022 18:00

Tgt Ion:113 Resp: 187254
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.8 124.2
 192 20.4 16.9 25.3

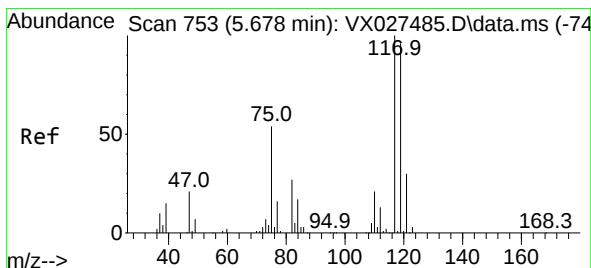
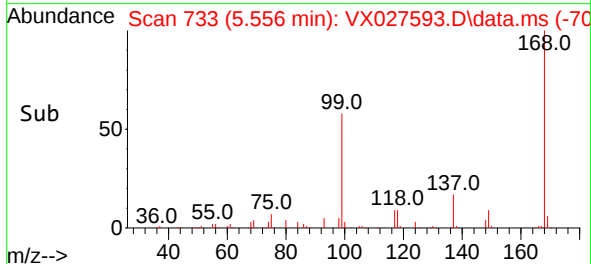
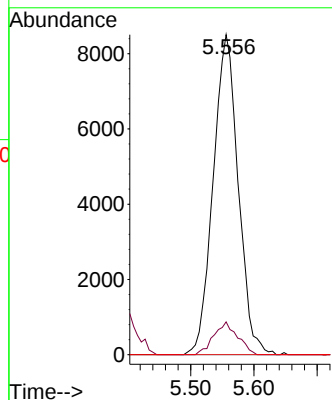
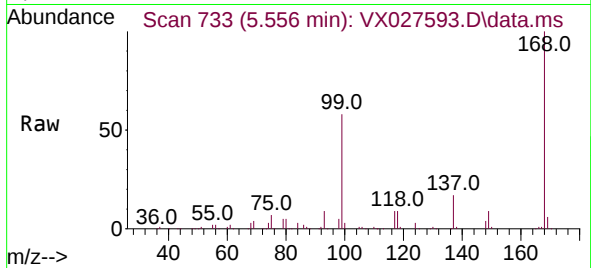




#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

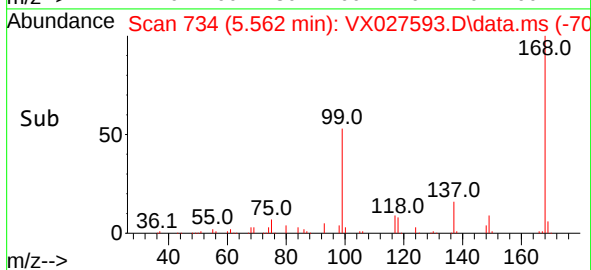
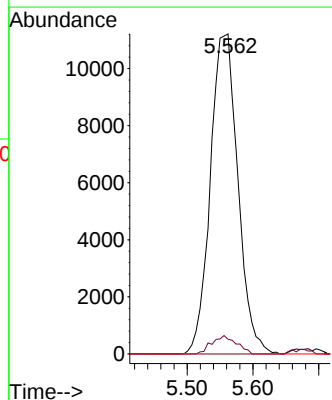
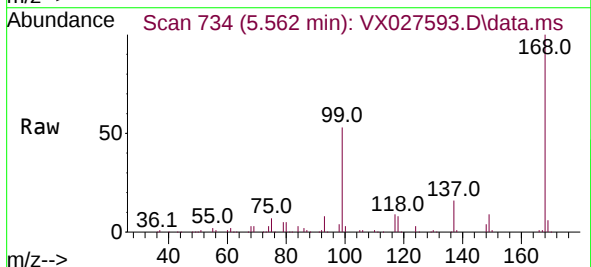
Instrument :
MSVOA_X
ClientSampleId :

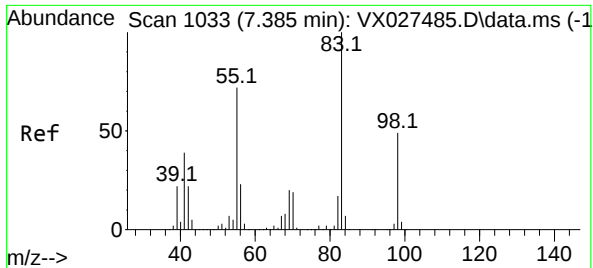
Tgt Ion: 75 Resp: 23376
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.738 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion: 117 Resp: 32734
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#

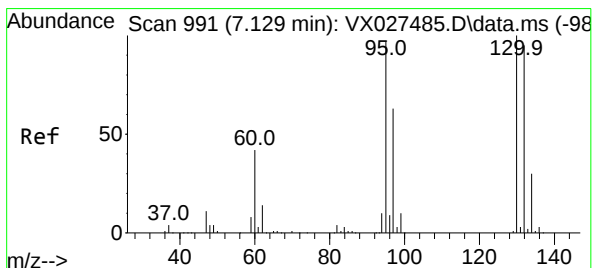
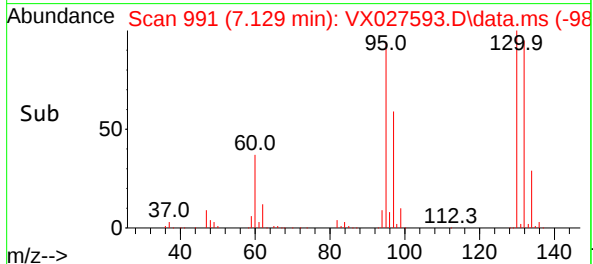
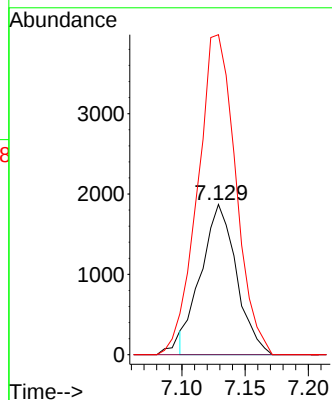
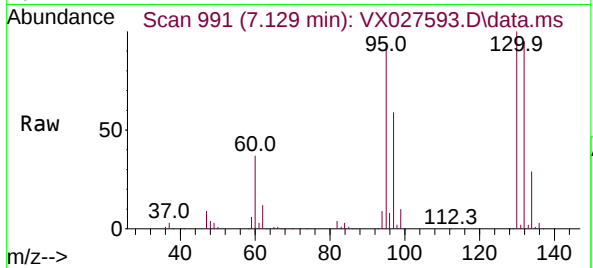




#39
Methylcyclohexane
Concen: 0.578 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

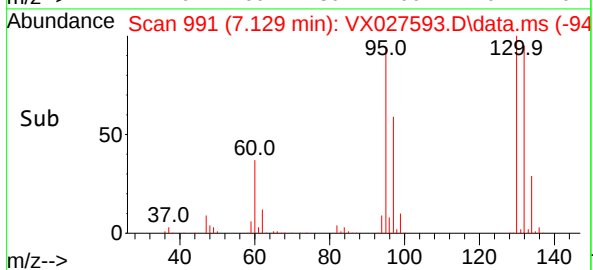
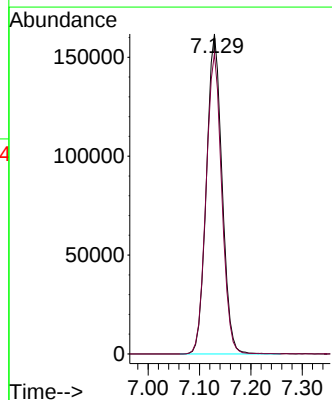
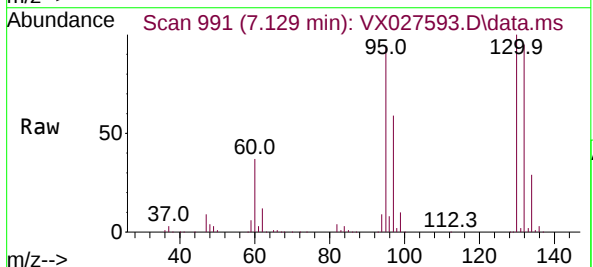
Instrument :
MSVOA_X
ClientSampleId :

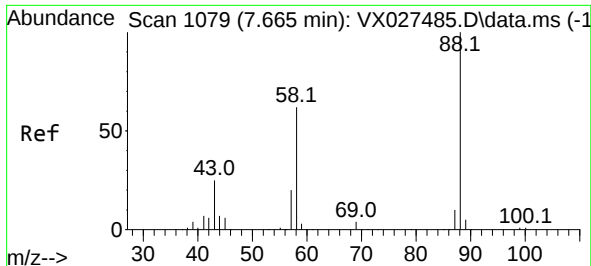
Tgt Ion: 83 Resp: 3626
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 213.0 37.4 56.2#



#44
Trichloroethene
Concen: 78.329 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion:130 Resp: 340178
Ion Ratio Lower Upper
130 100
95 93.8 0.0 188.8





#49

1,4-Dioxane

Concen: 14.697 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.012 min

Lab File: VX027593.D

Acq: 21 Mar 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

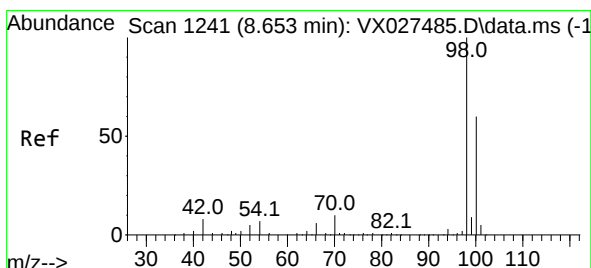
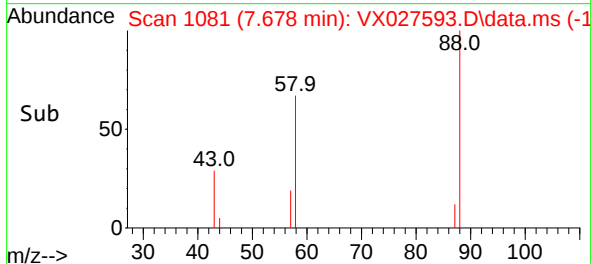
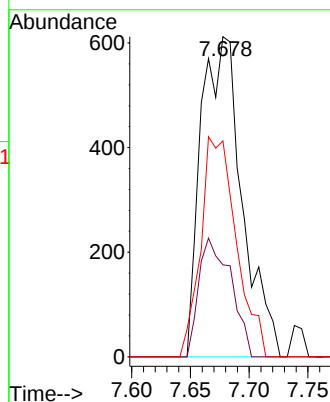
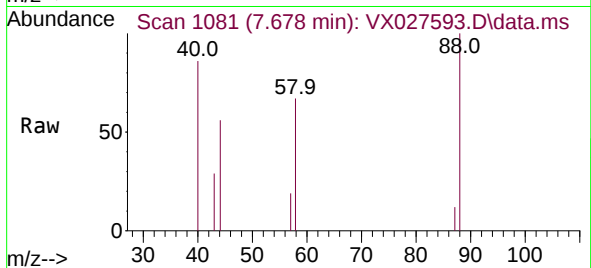
Tgt Ion: 88 Resp: 1494

Ion Ratio Lower Upper

88 100

43 28.8 21.9 32.9

58 59.1 53.7 80.5



#50

Toluene-d8

Concen: 47.213 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027593.D

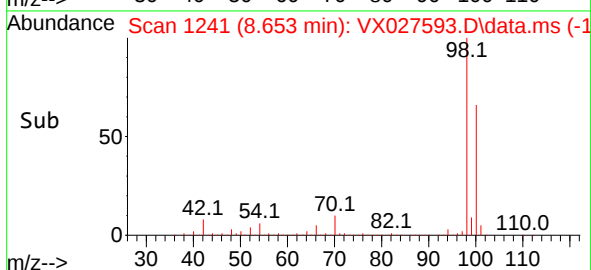
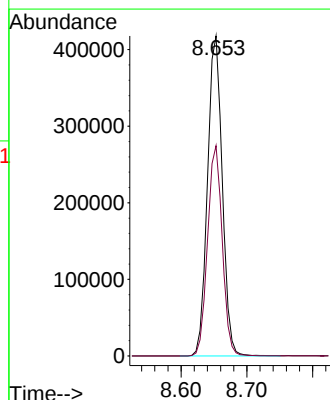
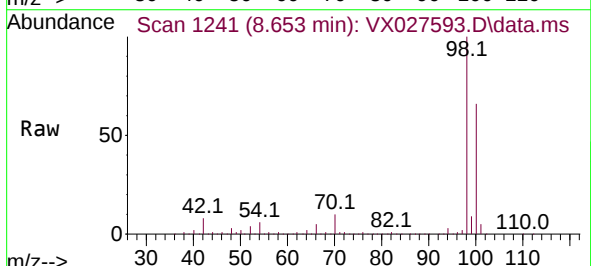
Acq: 21 Mar 2022 18:00

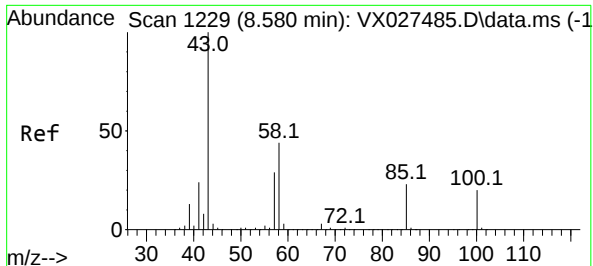
Tgt Ion: 98 Resp: 651939

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

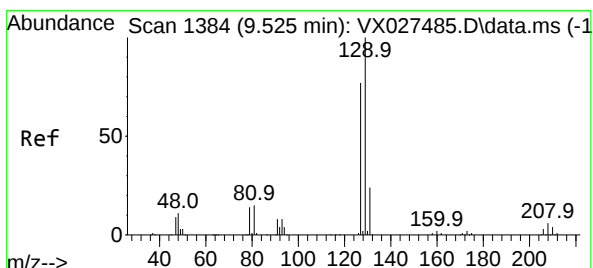
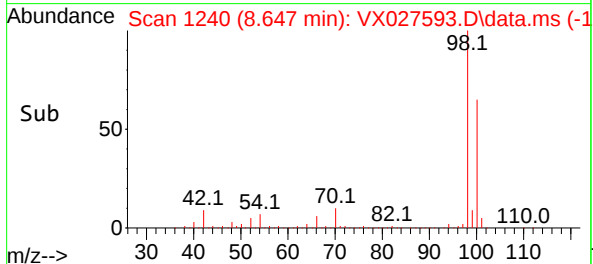
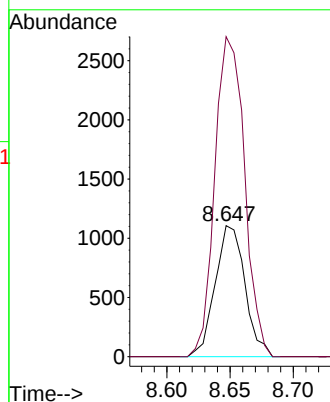
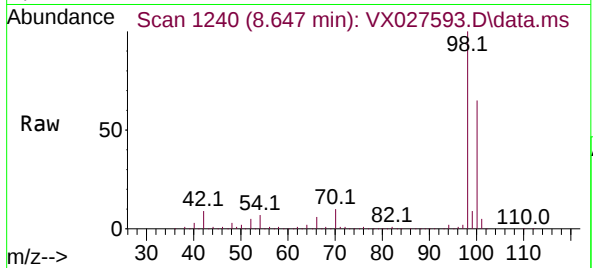




#51
4-Methyl-2-Pentanone
Concen: 0.355 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

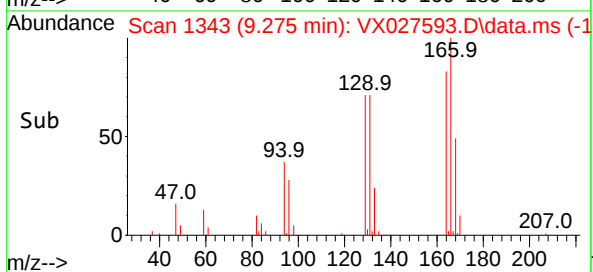
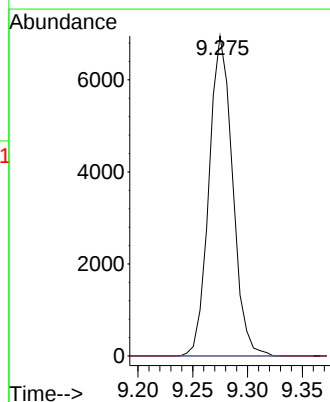
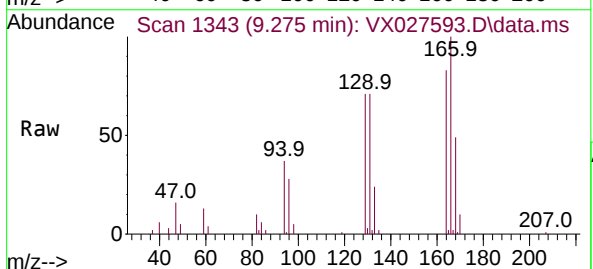
Instrument :
MSVOA_X
ClientSampleId :

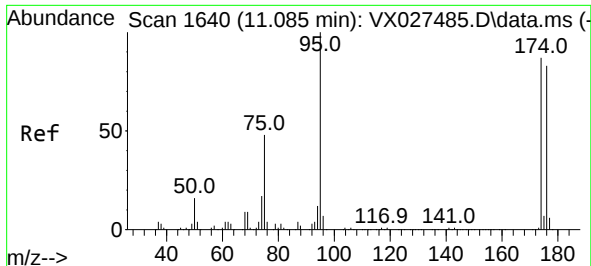
Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
58 243.6 36.1 54.1#



#60
Dibromochloromethane
Concen: 2.421 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion: 129 Resp: 10403
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#

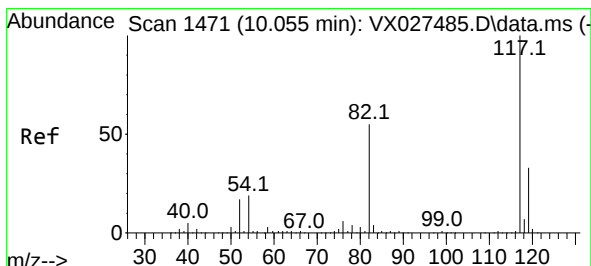
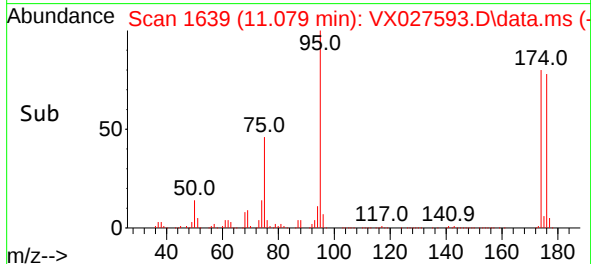
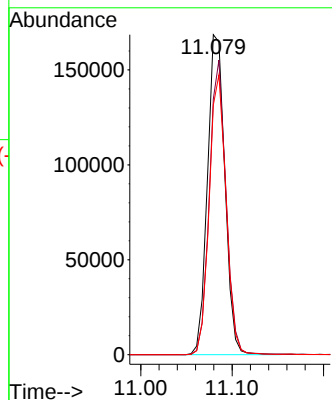
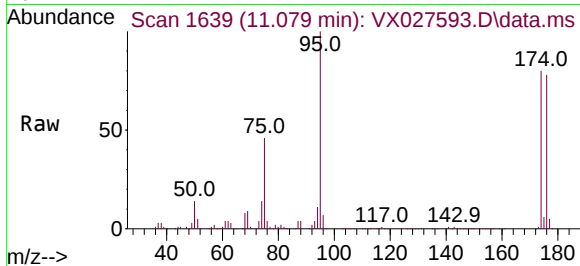




#62
4-Bromofluorobenzene
Concen: 43.942 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

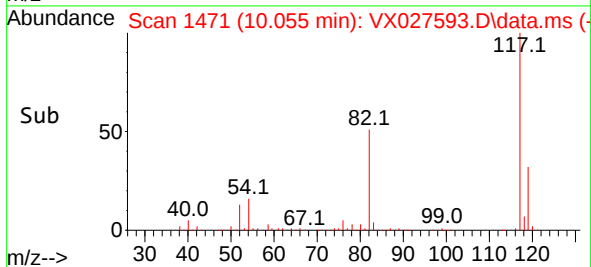
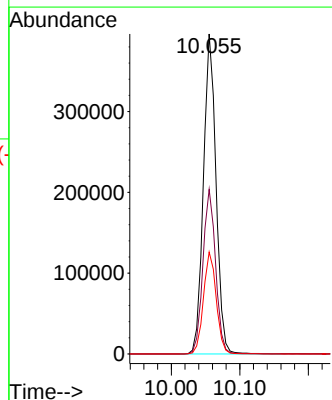
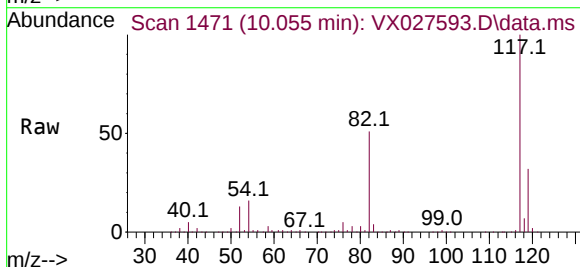
Instrument :
MSVOA_X
ClientSampleId :

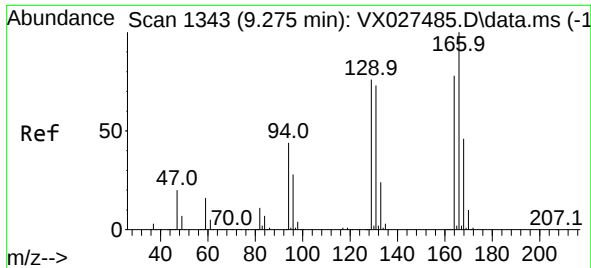
Tgt Ion: 95 Resp: 223021
Ion Ratio Lower Upper
95 100
174 87.8 0.0 163.0
176 84.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

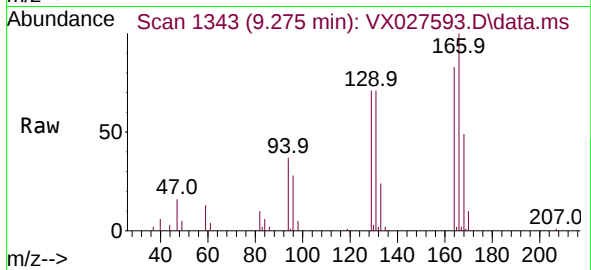
Tgt Ion: 117 Resp: 507534
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 31.9 24.8 37.2



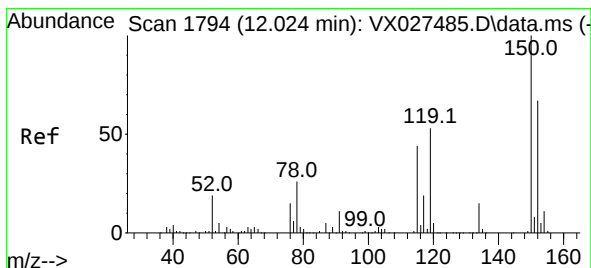
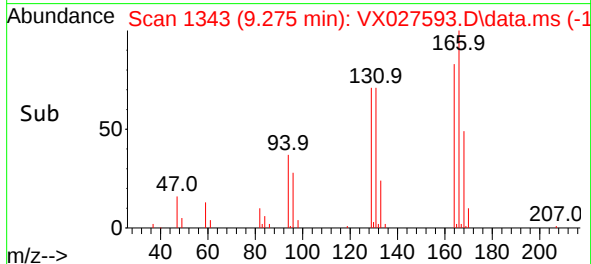
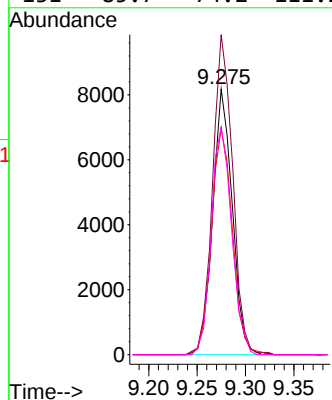


#64
Tetrachloroethene
Concen: 2.914 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Instrument :
MSVOA_X
ClientSampleId :

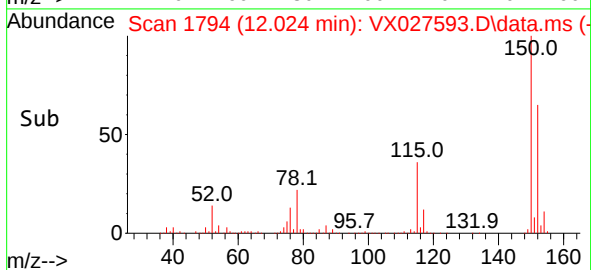
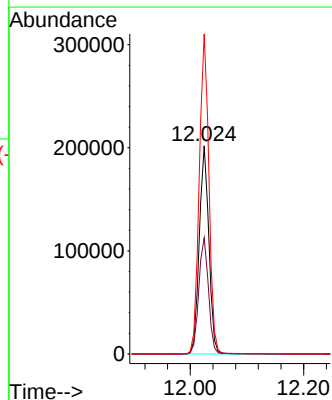
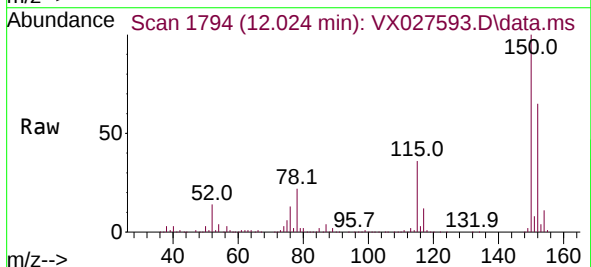


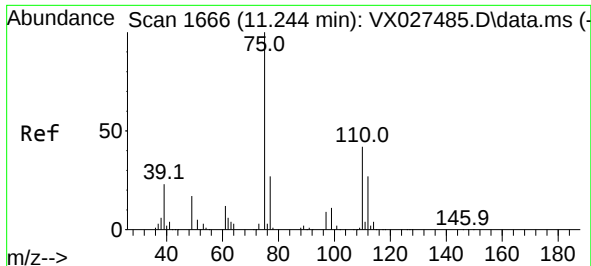
Tgt Ion:164 Resp: 11501
Ion Ratio Lower Upper
164 100
166 120.5 101.2 151.8
129 85.0 73.0 109.4
131 85.7 74.2 111.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion:152 Resp: 236199
Ion Ratio Lower Upper
152 100
115 56.6 37.5 112.7
150 155.2 0.0 338.2

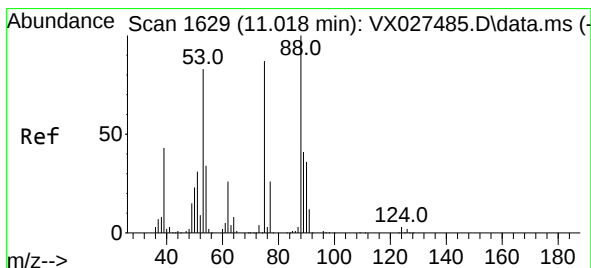
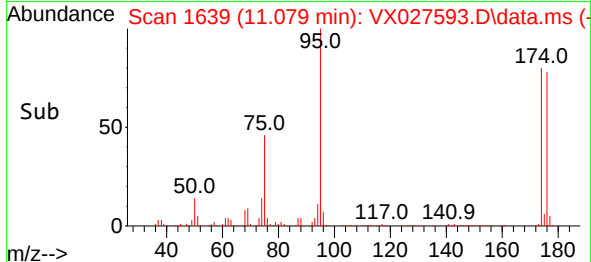
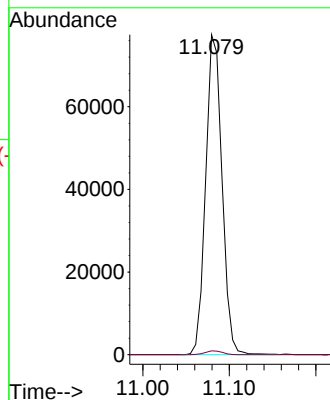
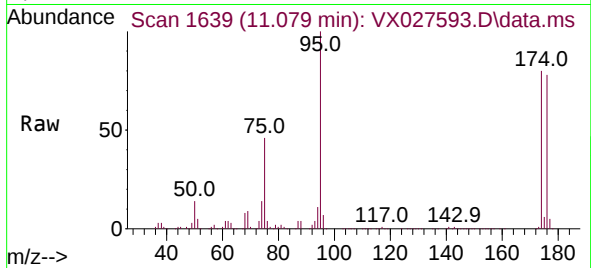




#76
1,2,3-Trichloropropane
Concen: 20.559 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 101572
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.439 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027593.D
Acq: 21 Mar 2022 18:00

Tgt Ion: 75 Resp: 101572
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

