

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082621\
 Data File : VX023964.D
 Acq On : 26 Aug 2021 14:45
 Operator : JC/MD
 Sample : M3525-17RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 27 05:56:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

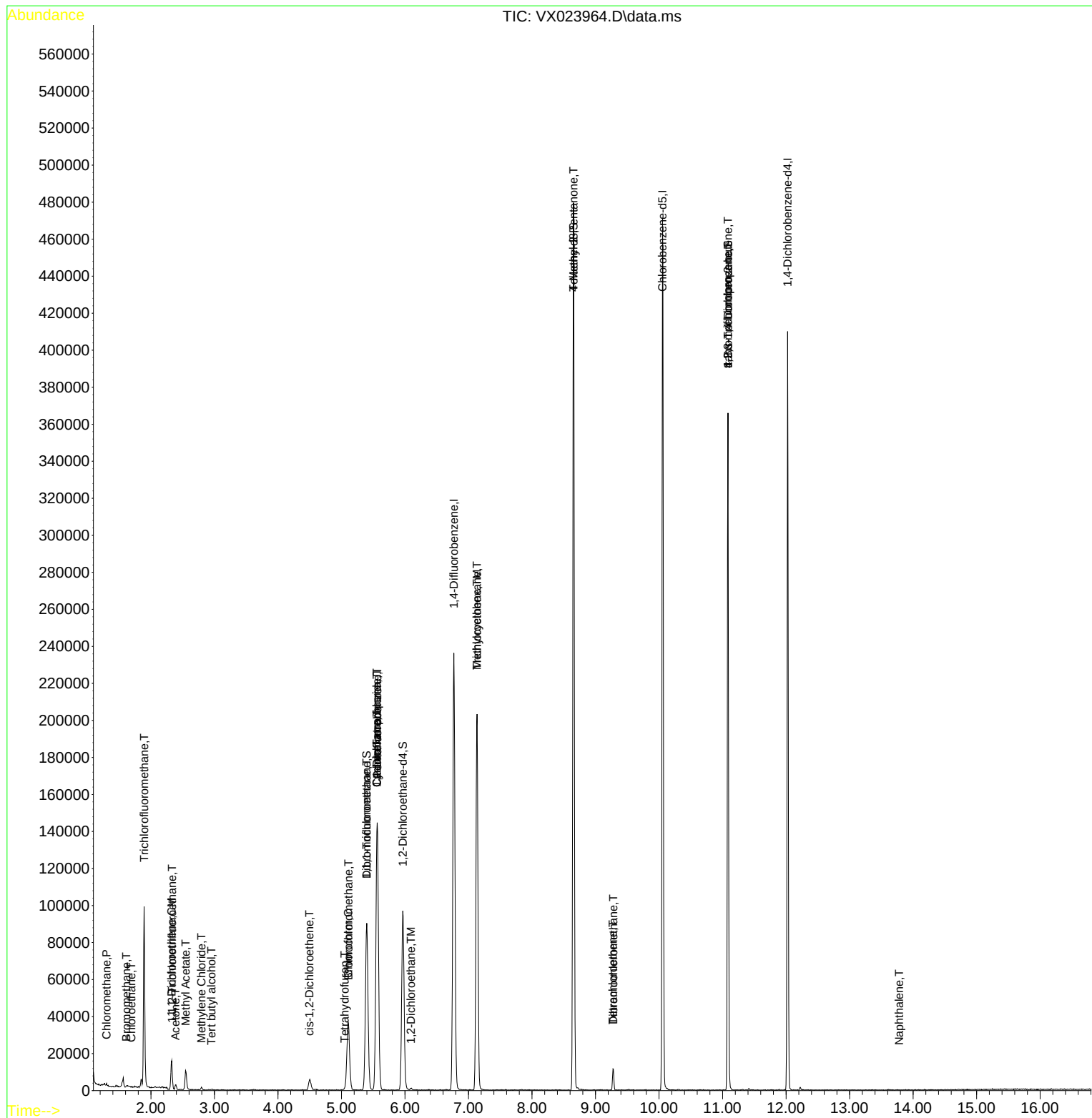
Internal Standards						
1) Pentafluorobenzene	5.562	168	133804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95244	51.001	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.000%	
35) Dibromofluoromethane	5.397	113	74292	48.778	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.560%	
50) Toluene-d8	8.653	98	272664	47.036	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.080%	
62) 4-Bromofluorobenzene	11.085	95	90245	42.289	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.580%	
Target Compounds						
						Qvalue
3) Chloromethane	1.300	50	553	0.357	ug/l #	76
5) Bromomethane	1.611	94	444	0.467	ug/l	93
6) Chloroethane	1.691	64	81	2.279	ug/l #	43
7) Trichlorofluoromethane	1.892	101	59052	24.741	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	548	0.408	ug/l	95
11) Tert butyl alcohol	2.953	59	124	0.328	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	4684	3.648	ug/l	97
16) Acetone	2.386	43	2997	3.589	ug/l #	73
18) Methyl Acetate	2.544	43	3333	1.599	ug/l #	47
20) Methylene Chloride	2.794	84	564	0.354	ug/l #	75
27) cis-1,2-Dichloroethene	4.495	96	3690	2.261	ug/l	91
28) Bromochloromethane	5.111	49	3825	3.207	ug/l #	9
29) Tetrahydrofuran	5.050	42	371	0.453	ug/l #	83
30) Chloroform	5.105	83	43394	15.624	ug/l	99
31) Cyclohexane	5.556	56	3240	1.350	ug/l #	6
32) 1,1,1-Trichloroethane	5.397	97	1211	0.509	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	11253	5.280	ug/l #	45
38) Carbon Tetrachloride	5.556	117	14587	6.564	ug/l #	15
39) Methylcyclohexane	7.135	83	1106	0.426	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	974	0.393	ug/l #	73
44) Trichloroethene	7.135	130	76423	43.903	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	1412	0.533	ug/l #	1
60) Dibromochloromethane	9.281	129	2095	2.778	ug/l #	11
64) Tetrachloroethene	9.275	164	2083	1.243	ug/l	86
76) 1,2,3-Trichloropropane	11.085	75	48785	26.341	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	48785	77.484	ug/l #	12
95) Naphthalene	13.780	128	23	1.286	ug/l #	69

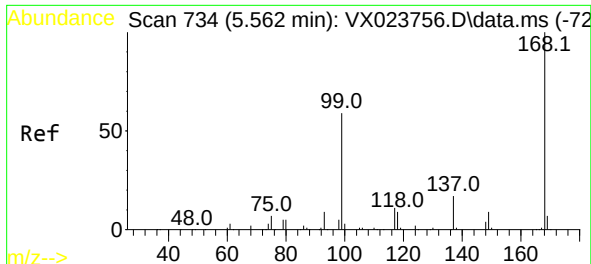
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

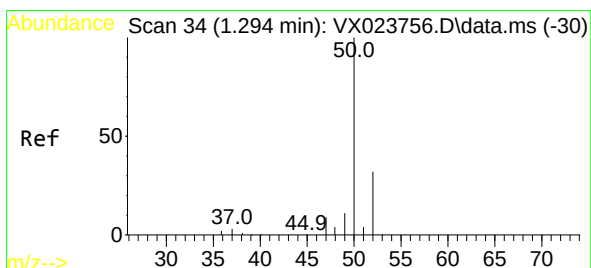
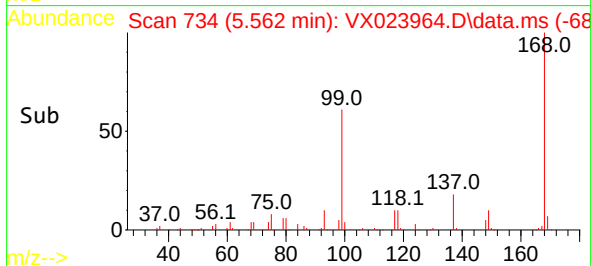
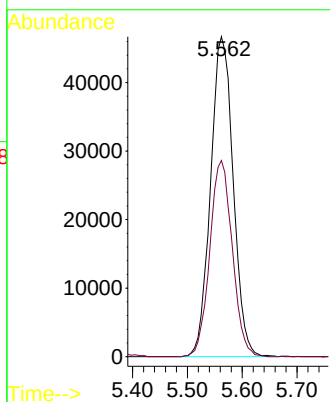
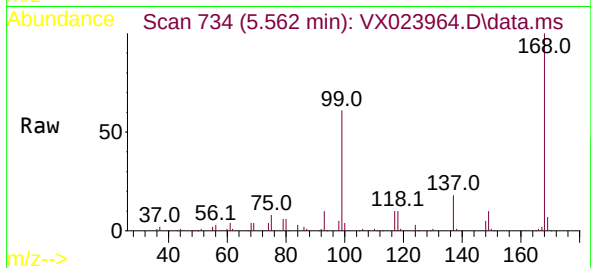




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

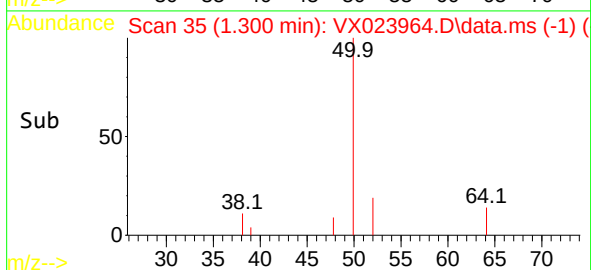
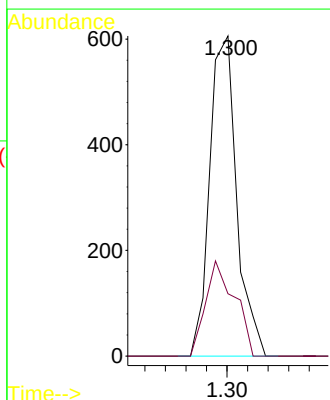
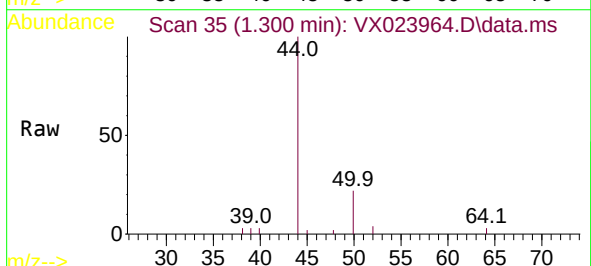
Instrument :
MSVOA_X
ClientSampled :

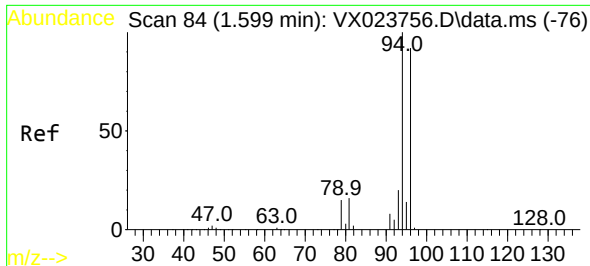
Tgt Ion:168 Resp: 133804
Ion Ratio Lower Upper
168 100
99 61.3 45.8 68.6



#3
Chloromethane
Concen: 0.357 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 50 Resp: 553
Ion Ratio Lower Upper
50 100
52 19.5 26.4 39.6#

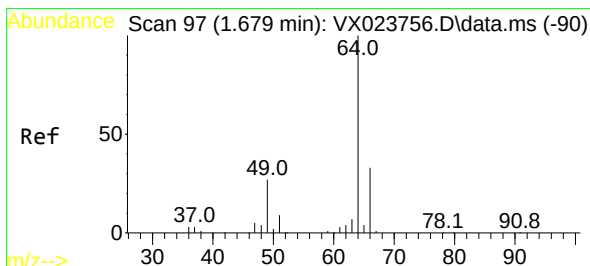
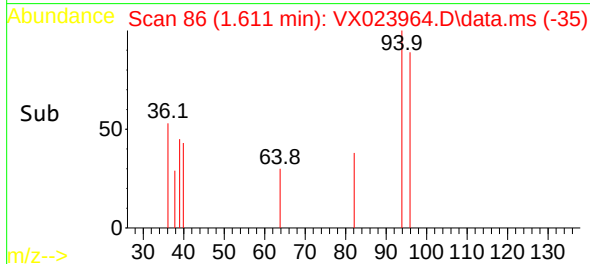
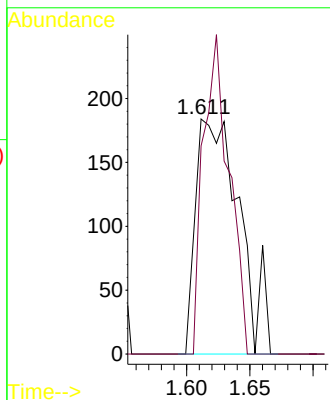
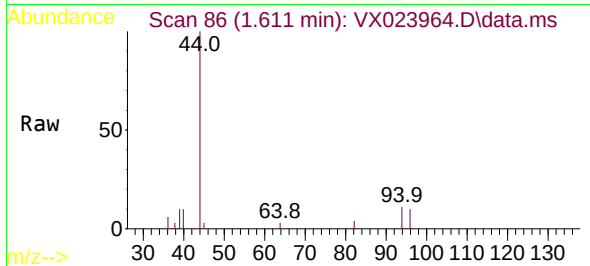




#5
Bromomethane
Concen: 0.467 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

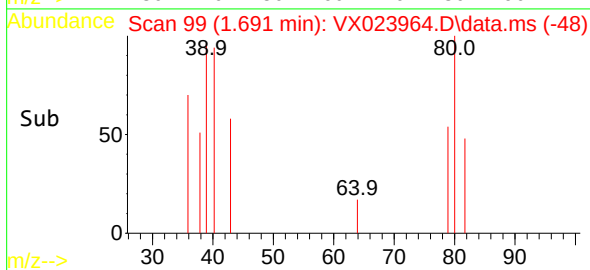
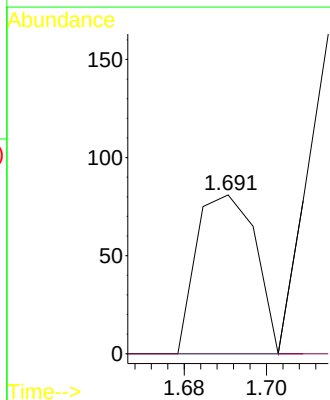
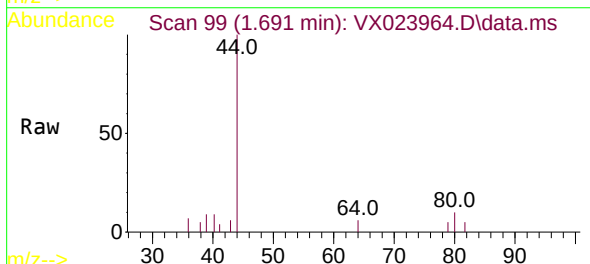
Instrument :
MSVOA_X
ClientSampled :

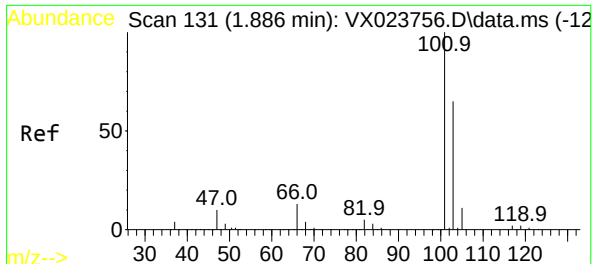
Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 88.6 76.4 114.6



#6
Chloroethane
Concen: 2.279 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

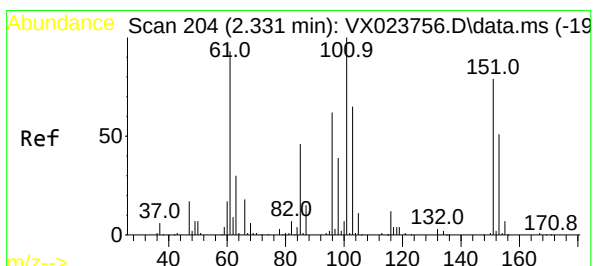
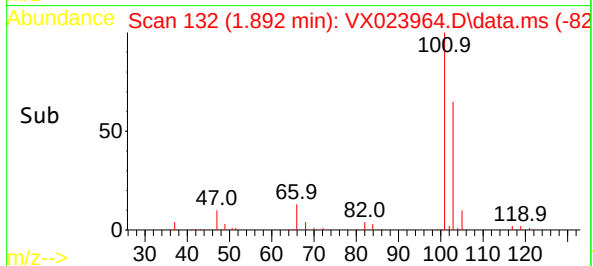
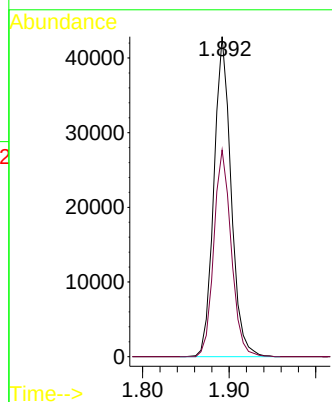
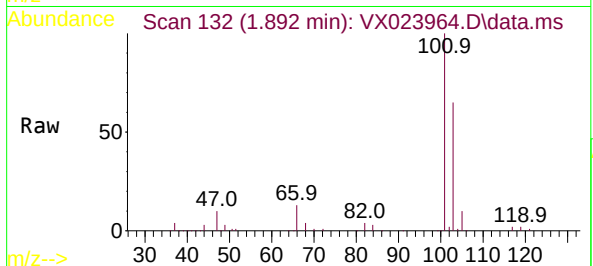




#7
Trichlorofluoromethane
Concen: 24.741 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

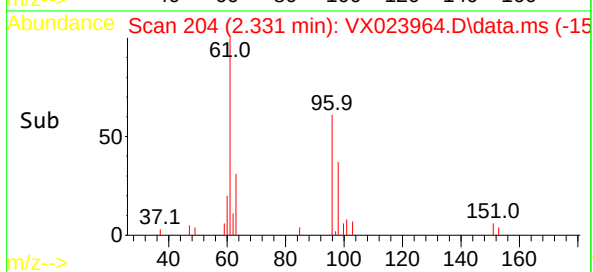
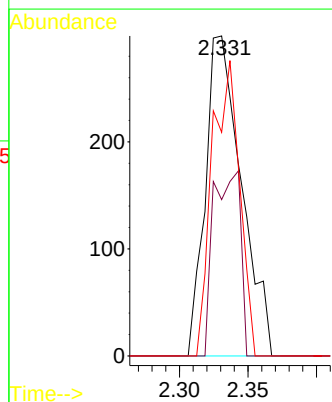
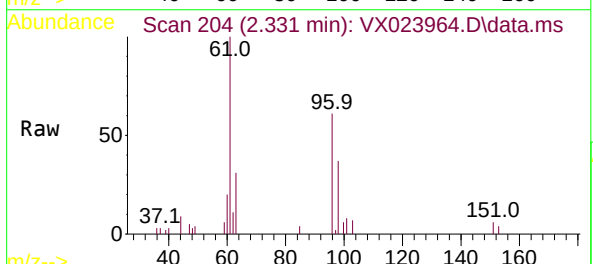
Instrument :
MSVOA_X
ClientSampled :

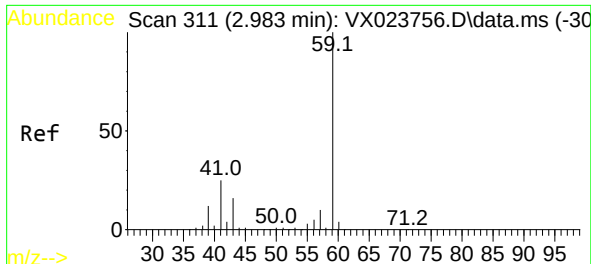
Tgt Ion:101 Resp: 59052
Ion Ratio Lower Upper
101 100
103 64.6 53.2 79.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.408 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion:101 Resp: 548
Ion Ratio Lower Upper
101 100
85 43.1 34.9 52.3
151 69.9 61.4 92.2



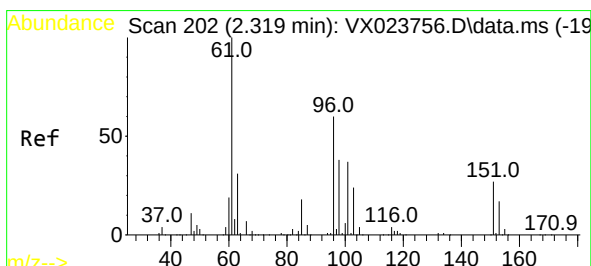
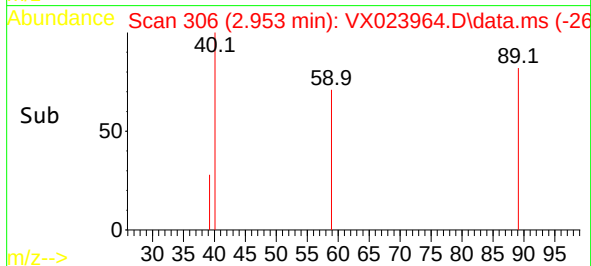
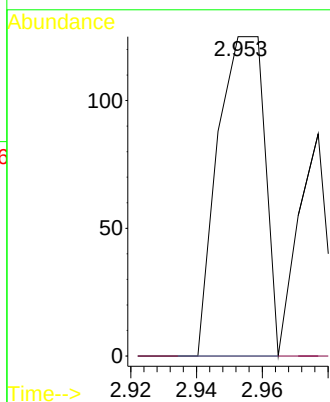
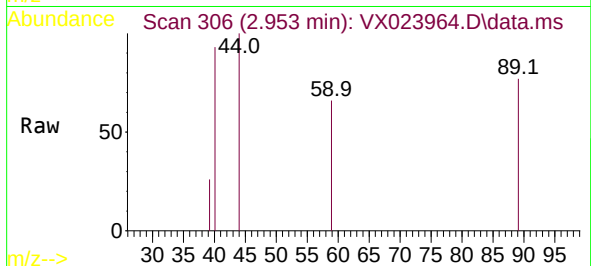


#11

Tert butyl alcohol
Concen: 0.328 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Instrument :
MSVOA_X
ClientSampled :

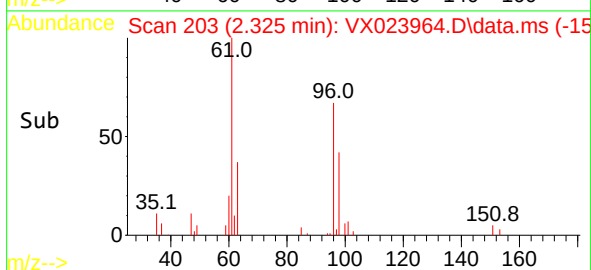
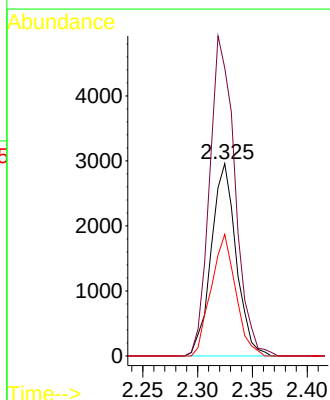
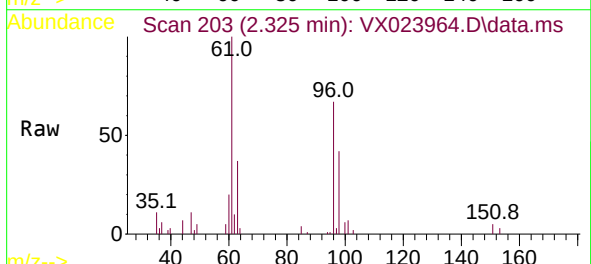
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

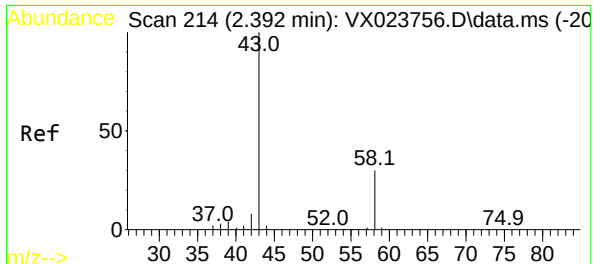


#12

1,1-Dichloroethene
Concen: 3.648 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 96 Resp: 4684
Ion Ratio Lower Upper
96 100
61 149.8 124.6 187.0
98 63.2 50.6 76.0

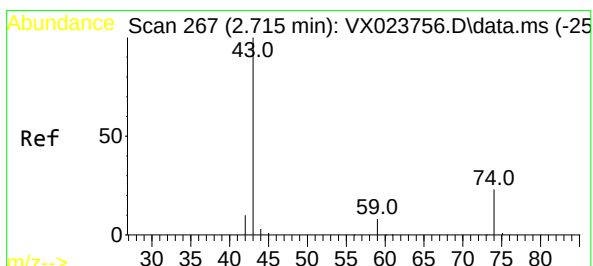
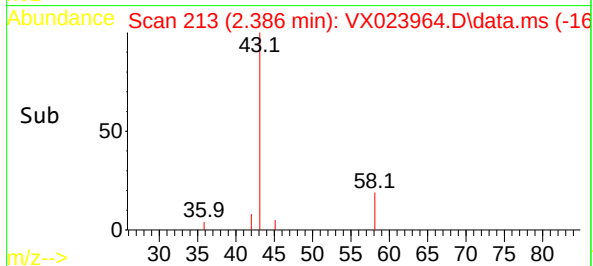
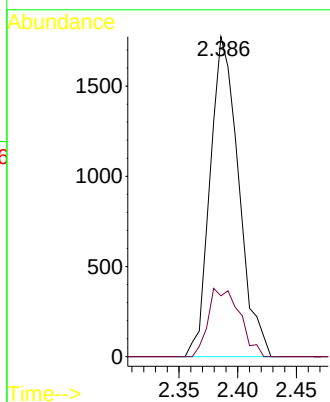
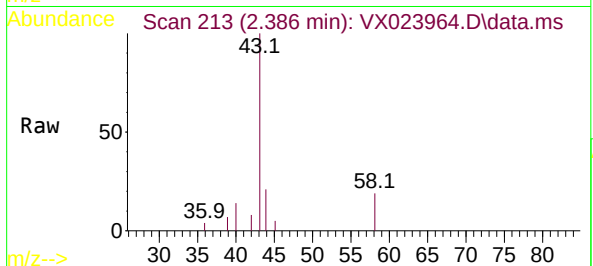




#16
Acetone
Concen: 3.589 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

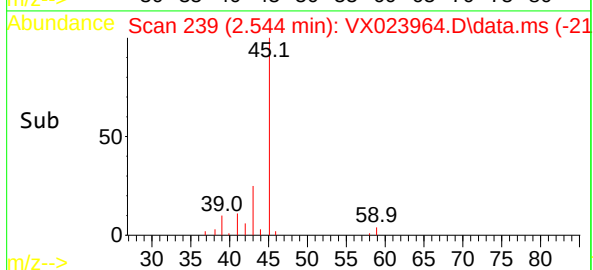
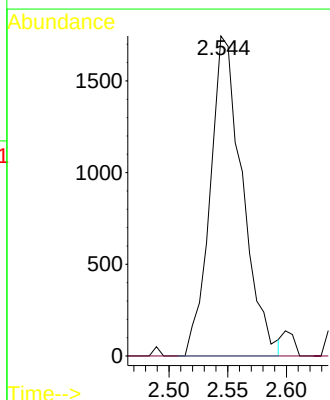
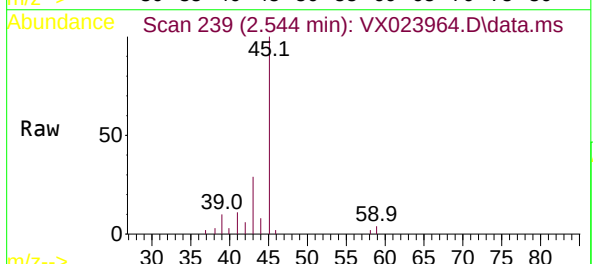
Instrument :
MSVOA_X
ClientSampled :

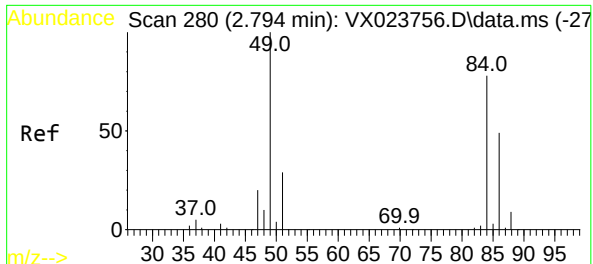
Tgt Ion: 43 Resp: 2997
Ion Ratio Lower Upper
43 100
58 19.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.599 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.171 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 43 Resp: 3333
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.354 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023964.D

Acq: 26 Aug 2021 14:45

Tgt Ion: 84 Resp: 564

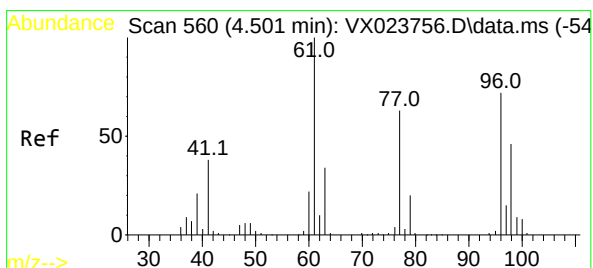
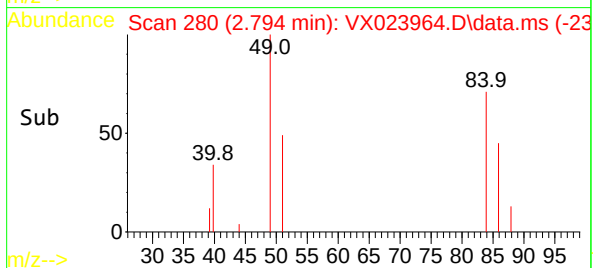
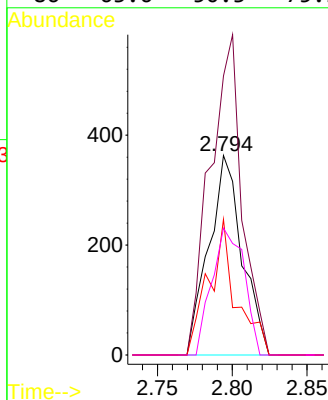
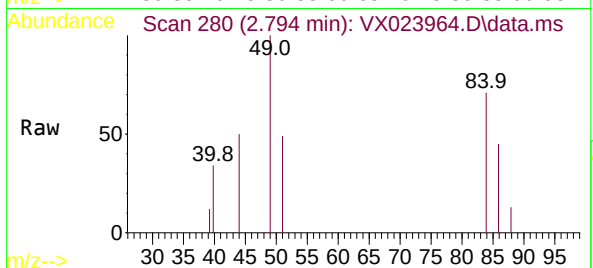
Ion Ratio Lower Upper

84 100

49 139.9 88.6 132.8#

51 68.0 27.0 40.6#

86 63.6 50.3 75.5



#27

cis-1,2-Dichloroethene

Concen: 2.261 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.006 min

Lab File: VX023964.D

Acq: 26 Aug 2021 14:45

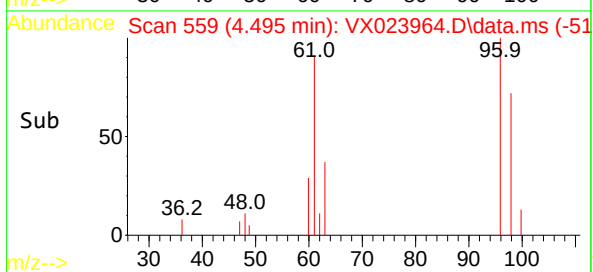
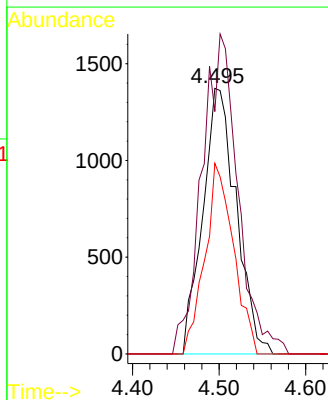
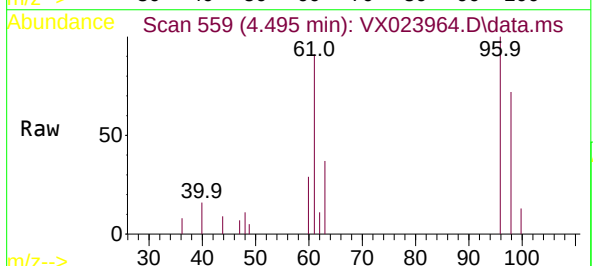
Tgt Ion: 96 Resp: 3690

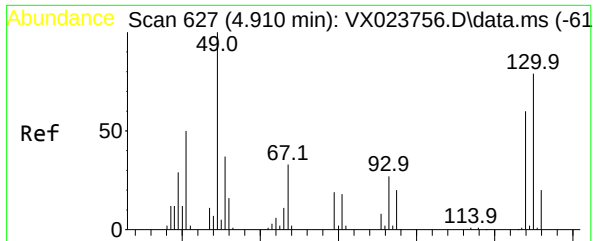
Ion Ratio Lower Upper

96 100

61 129.0 0.0 285.6

98 61.2 0.0 129.6

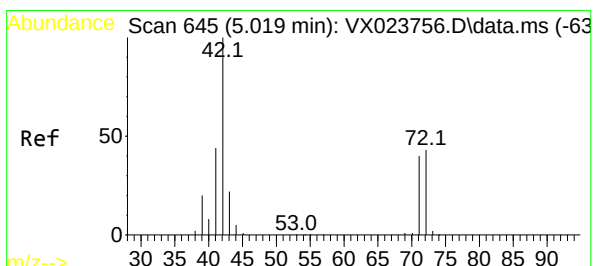
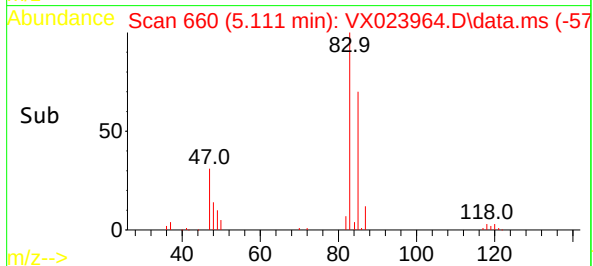
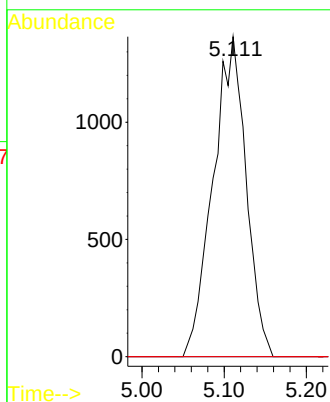
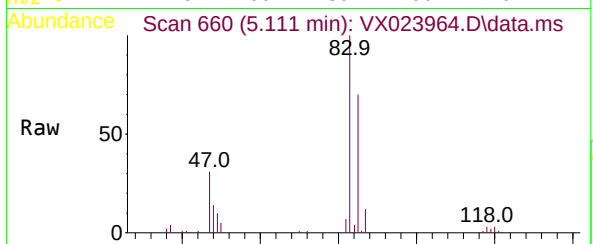




#28
Bromochloromethane
Concen: 3.207 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.201 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

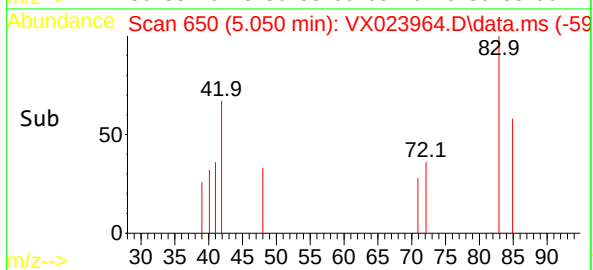
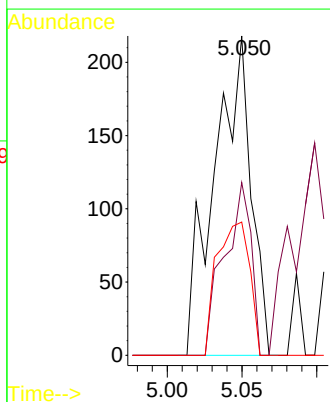
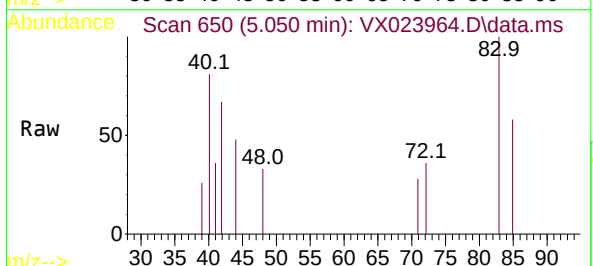
Instrument :
MSVOA_X
ClientSampled :

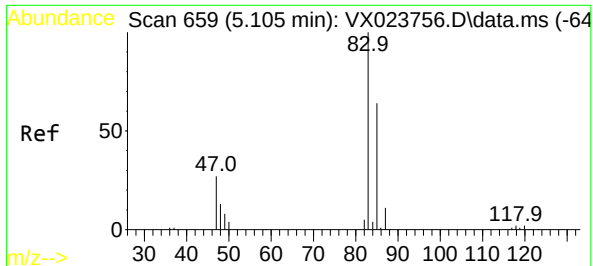
Tgt Ion: 49 Resp: 3825
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 0.453 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.031 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 42 Resp: 371
Ion Ratio Lower Upper
42 100
72 39.6 41.7 62.5#
71 37.2 38.4 57.6#





#30

Chloroform

Concen: 15.624 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023964.D

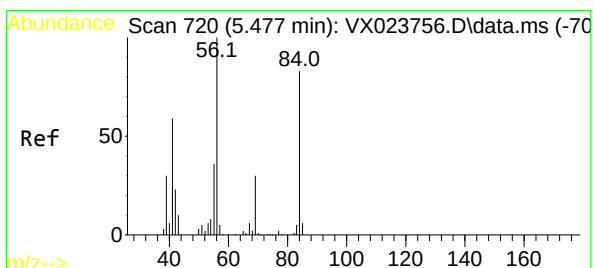
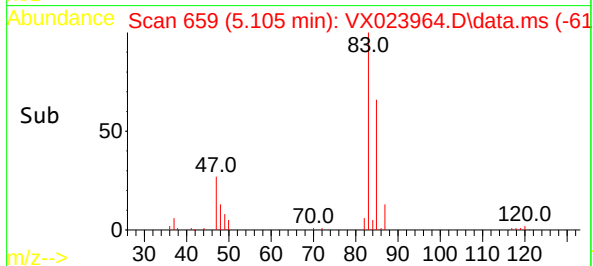
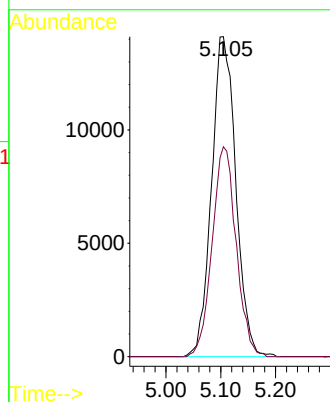
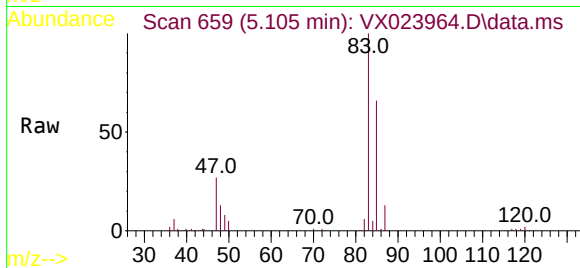
Acq: 26 Aug 2021 14:45

Tgt Ion: 83 Resp: 43394

Ion Ratio Lower Upper

83 100

85 65.6 52.0 78.0



#31

Cyclohexane

Concen: 1.350 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX023964.D

Acq: 26 Aug 2021 14:45

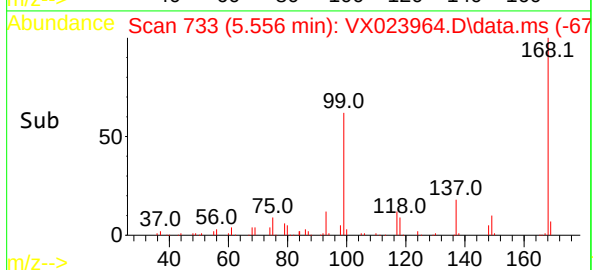
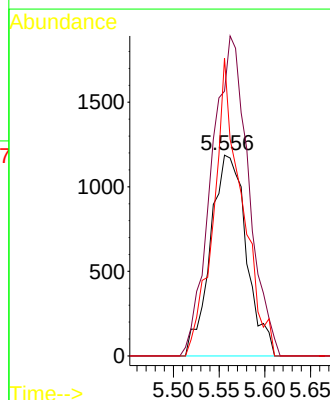
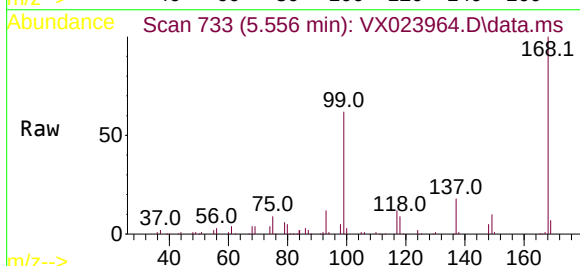
Tgt Ion: 56 Resp: 3240

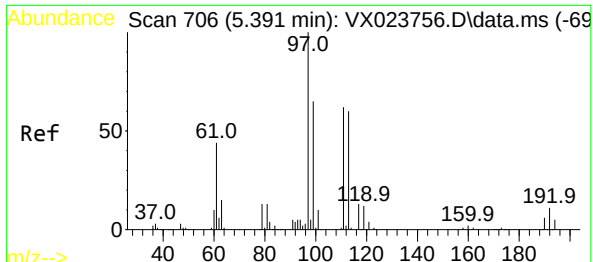
Ion Ratio Lower Upper

56 100

69 131.9 25.3 37.9#

84 148.4 71.4 107.0#

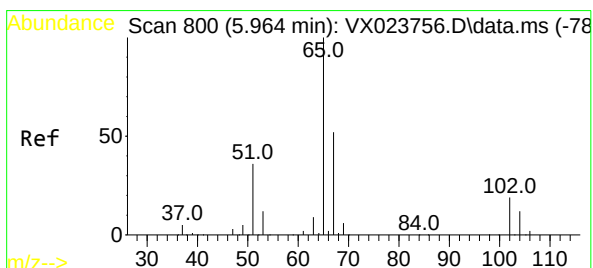
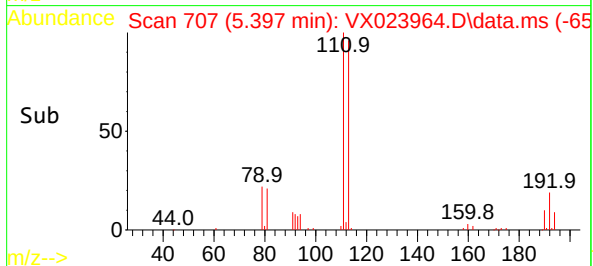
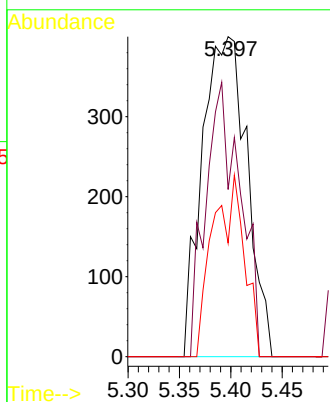
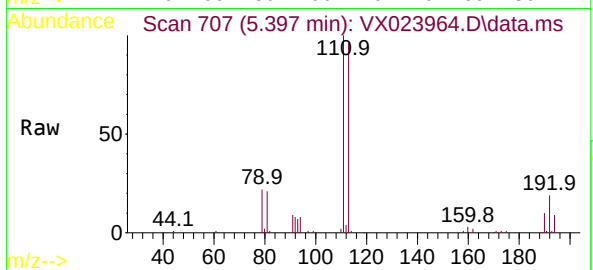




#32
1,1,1-Trichloroethane
Concen: 0.509 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

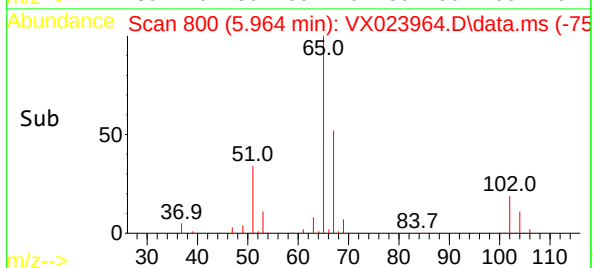
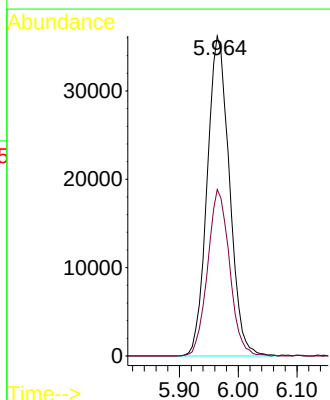
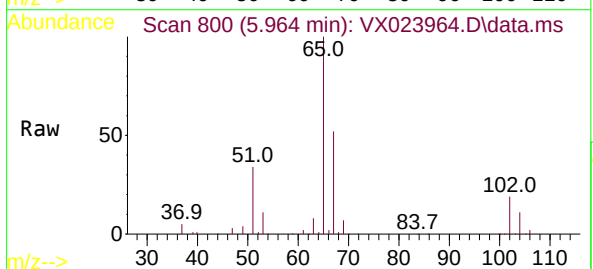
Instrument :
MSVOA_X
ClientSampled :

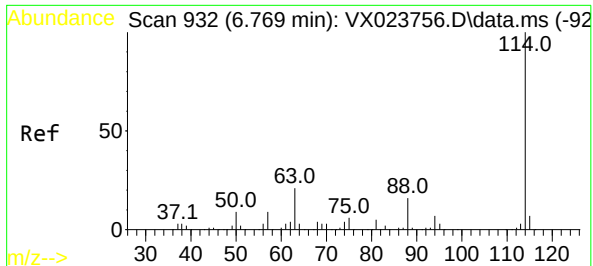
Tgt Ion: 97 Resp: 1211
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 22.3 34.2 51.4#



#33
1,2-Dichloroethane-d4
Concen: 51.001 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 65 Resp: 95244
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.4

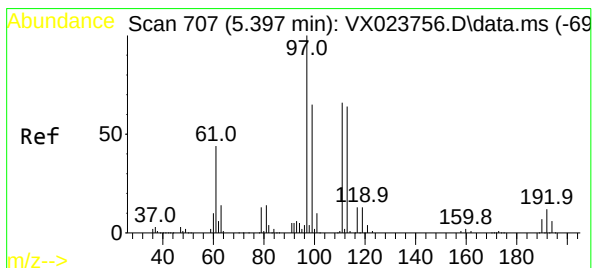
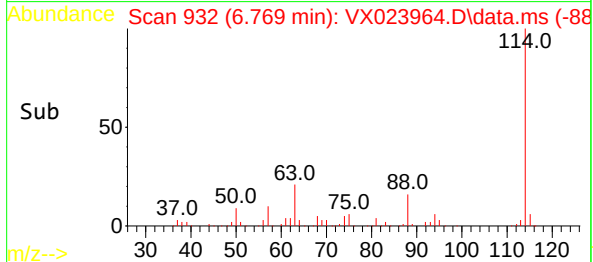
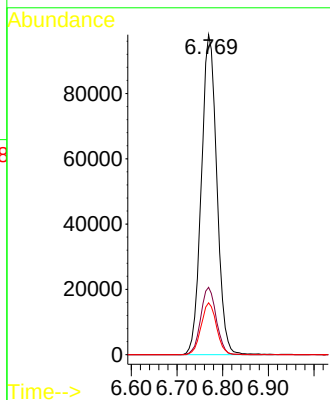
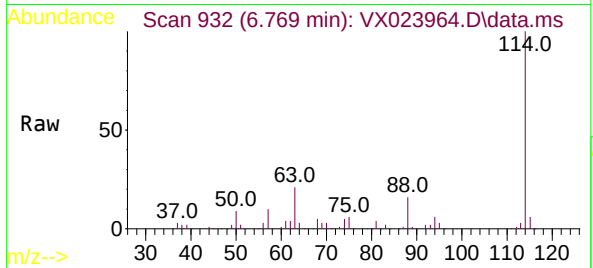




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

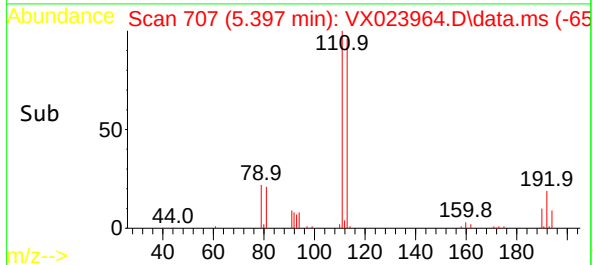
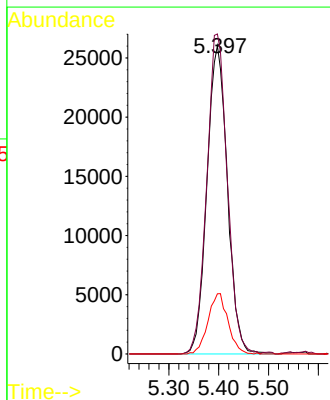
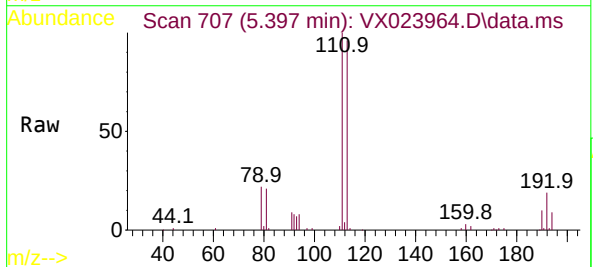
Instrument :
MSVOA_X
ClientSampled :

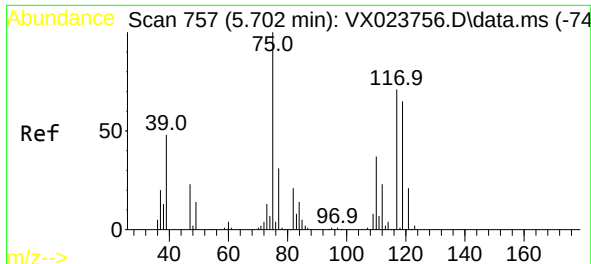
Tgt Ion:114 Resp: 230116
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.778 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion:113 Resp: 74292
Ion Ratio Lower Upper
113 100
111 104.1 81.9 122.9
192 19.1 16.7 25.1

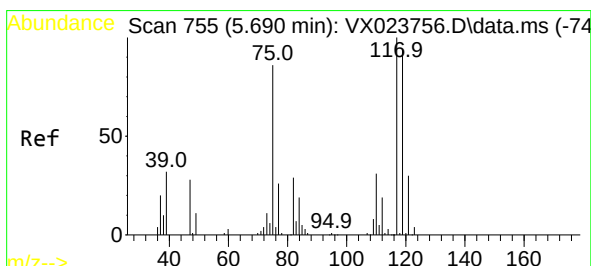
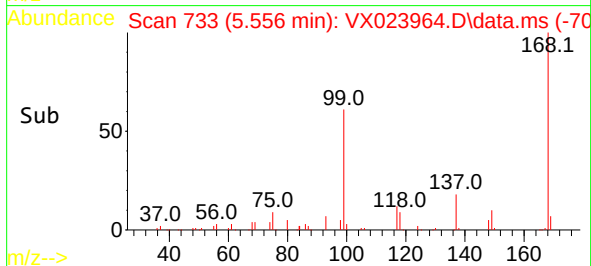
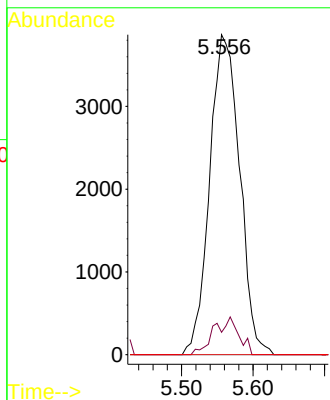
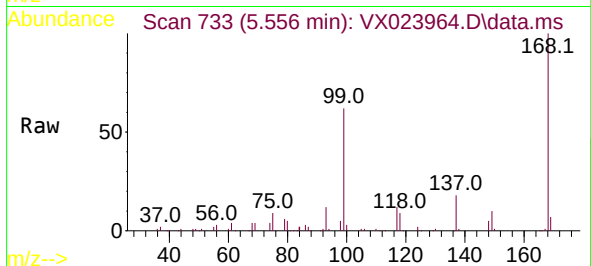




#36
1,1-Dichloropropene
Concen: 5.280 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

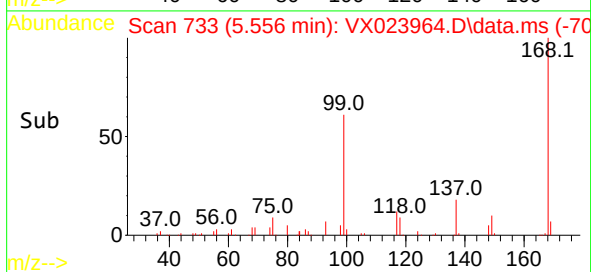
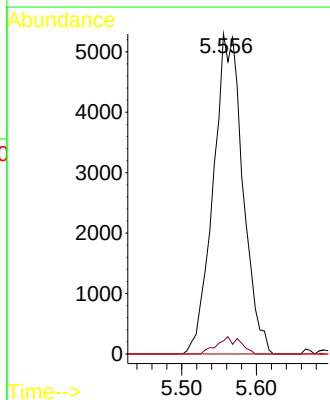
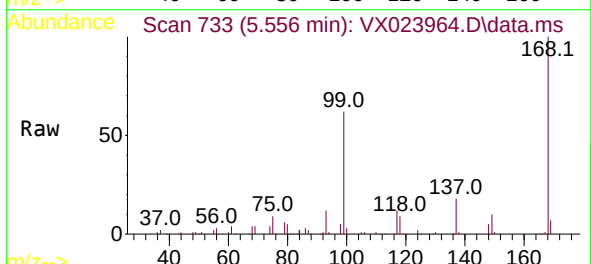
Instrument :
MSVOA_X
ClientSampled :

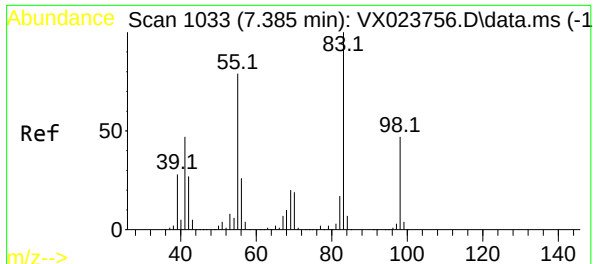
Tgt Ion: 75 Resp: 11253
Ion Ratio Lower Upper
75 100
110 4.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.564 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 117 Resp: 14587
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.426 ug/l

RT: 7.135 min Scan# 992

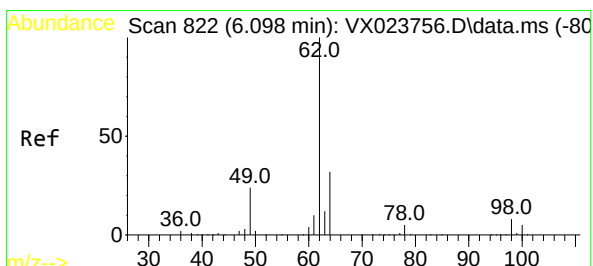
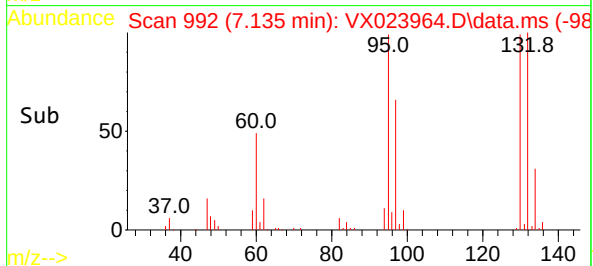
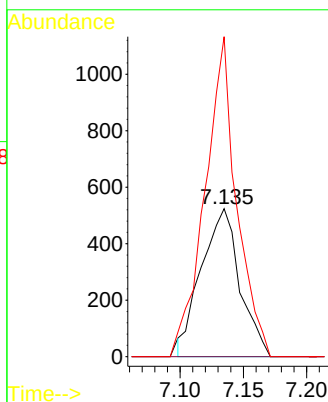
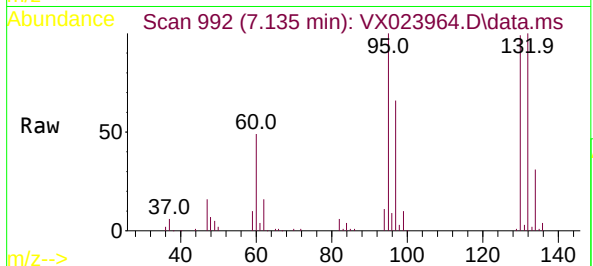
Delta R.T. -0.250 min

Lab File: VX023964.D

Acq: 26 Aug 2021 14:45

Tgt Ion:	83	Resp:	1106
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	216.2	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :



#42

1,2-Dichloroethane

Concen: 0.393 ug/l

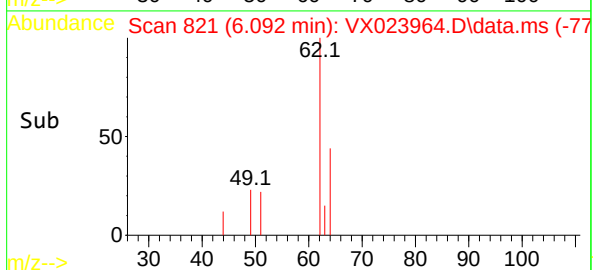
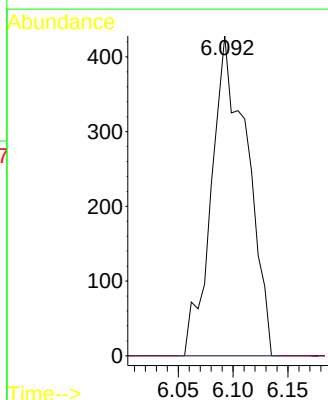
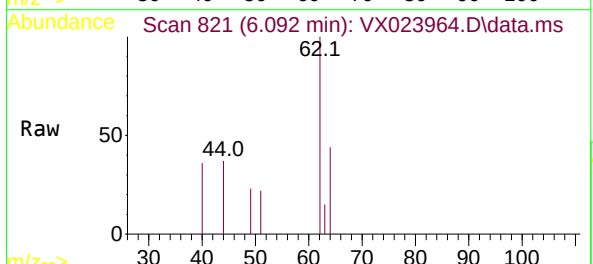
RT: 6.092 min Scan# 821

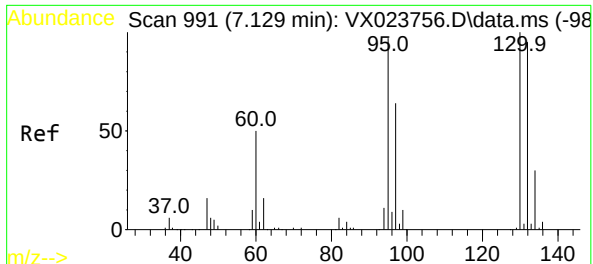
Delta R.T. -0.006 min

Lab File: VX023964.D

Acq: 26 Aug 2021 14:45

Tgt Ion:	62	Resp:	974
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

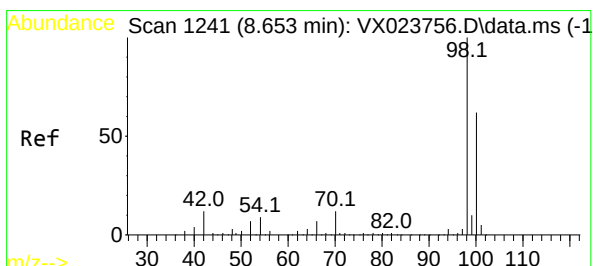
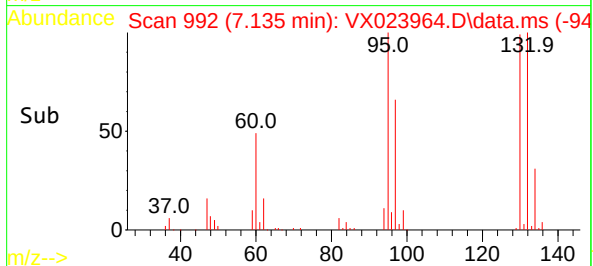
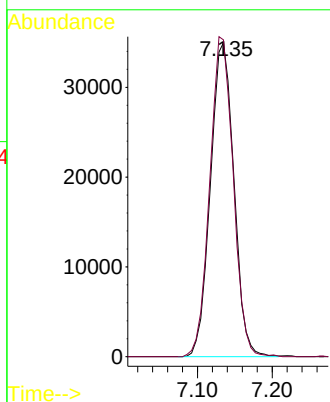
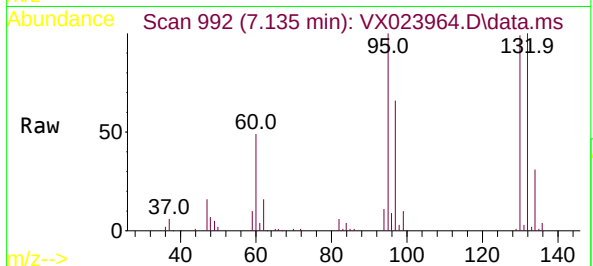




#44
Trichloroethene
Concen: 43.903 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

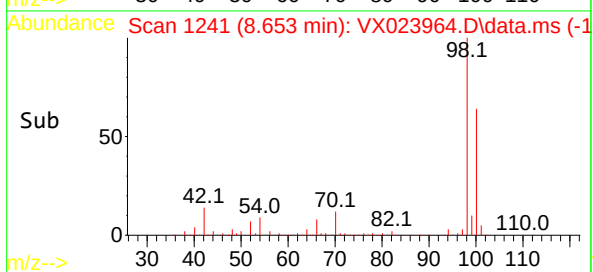
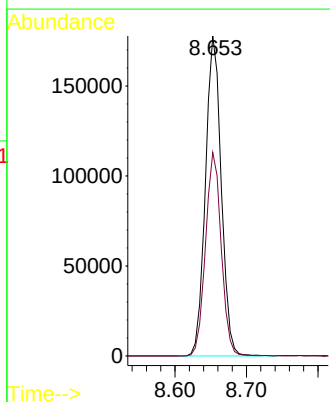
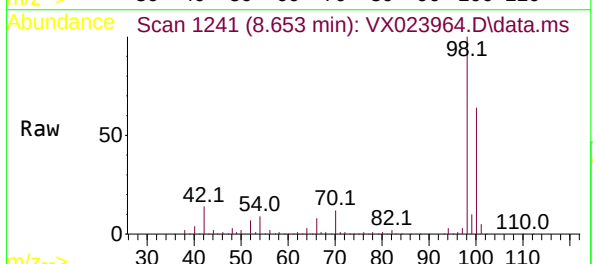
Instrument :
MSVOA_X
ClientSampled :

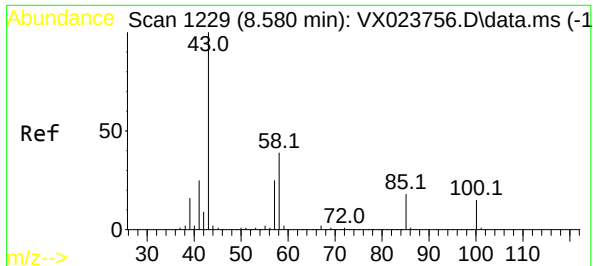
Tgt Ion:130 Resp: 76423
Ion Ratio Lower Upper
130 100
95 100.9 0.0 198.0



#50
Toluene-d8
Concen: 47.036 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 98 Resp: 272664
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

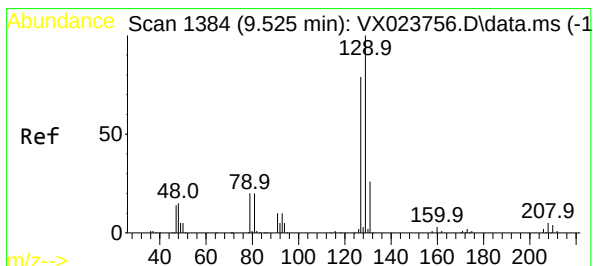
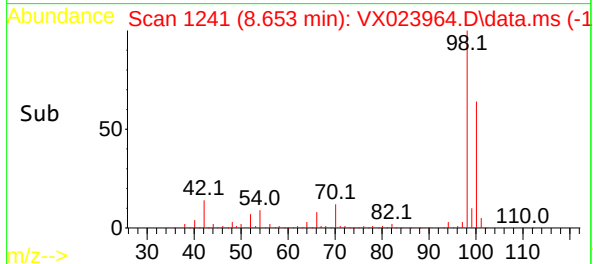
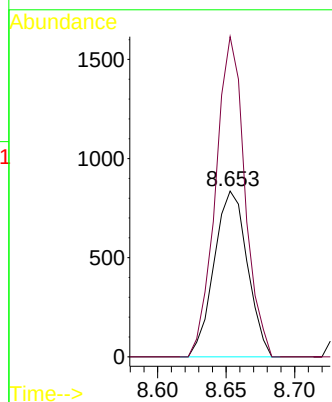
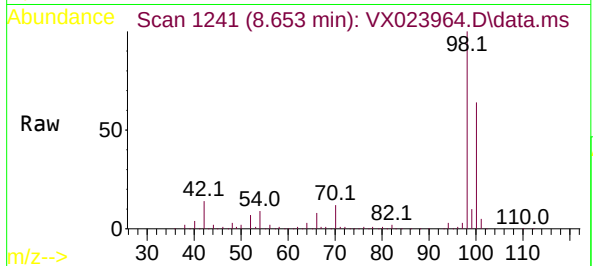




#51
4-Methyl-2-Pentanone
Concen: 0.533 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

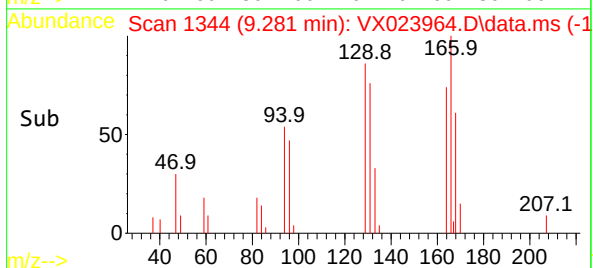
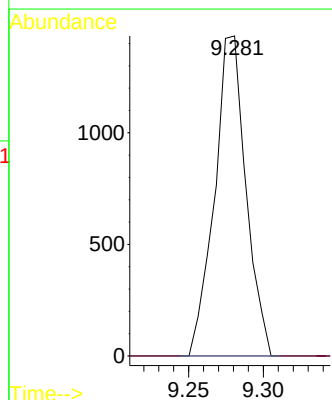
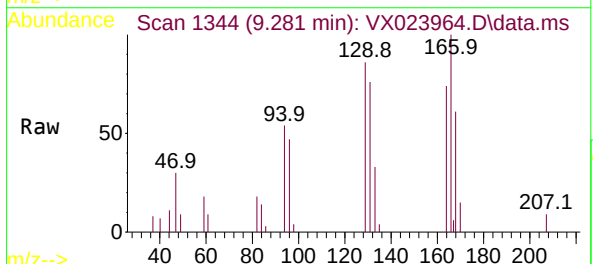
Instrument :
MSVOA_X
ClientSampled :

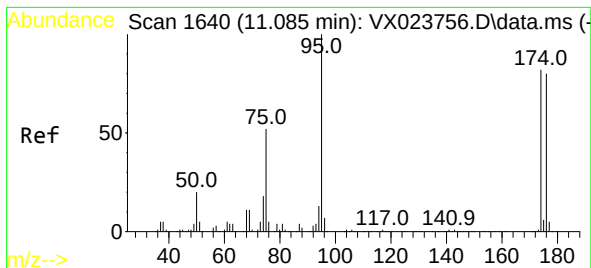
Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
58 170.0 35.4 53.0#



#60
Dibromochloromethane
Concen: 2.778 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 129 Resp: 2095
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

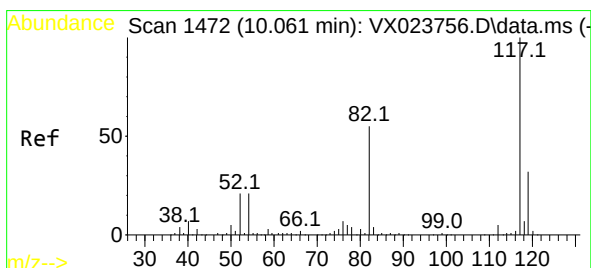
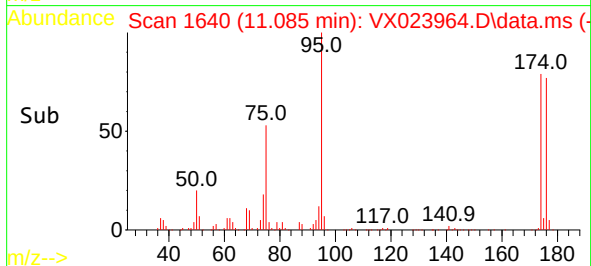
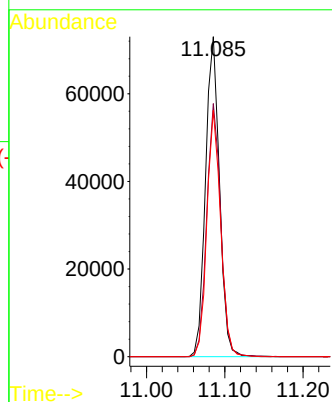
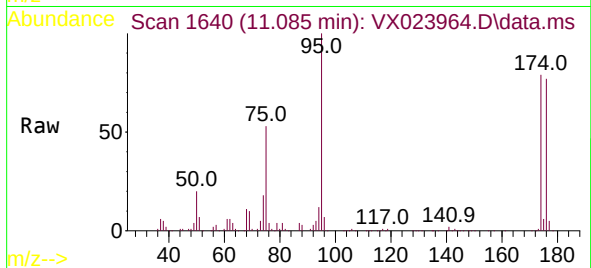




#62
4-Bromofluorobenzene
Concen: 42.289 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

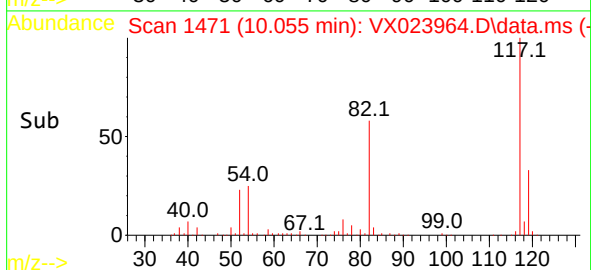
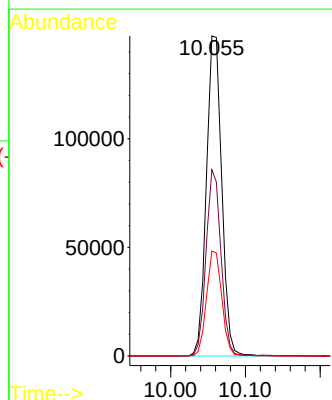
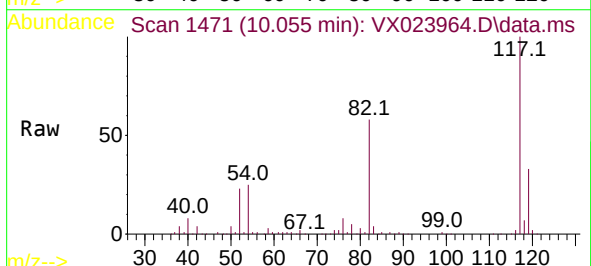
Instrument :
MSVOA_X
ClientSampleId :

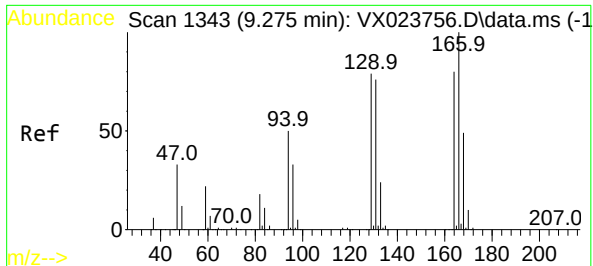
Tgt Ion: 95 Resp: 90245
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 75.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

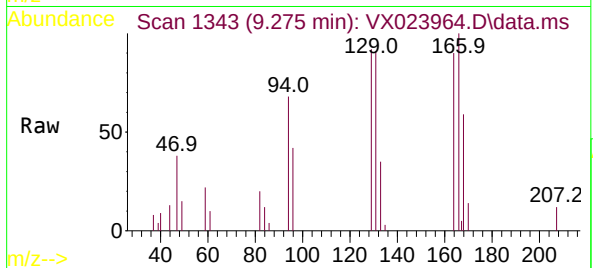
Tgt Ion: 117 Resp: 209752
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.8 26.6 39.8





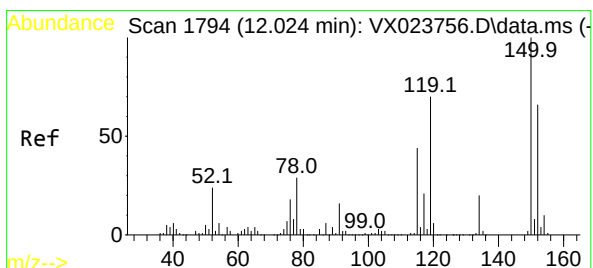
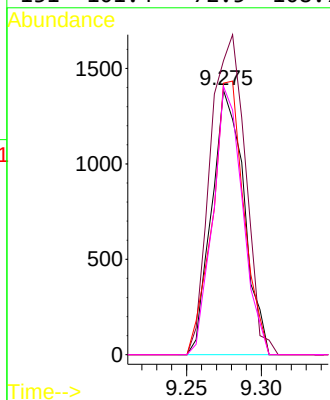
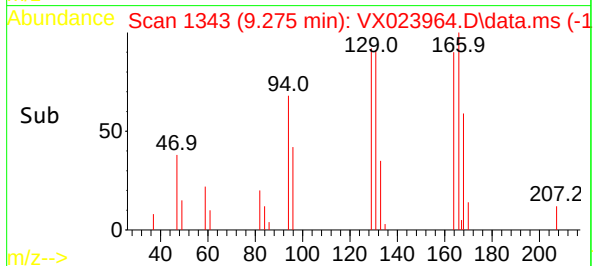
#64
Tetrachloroethene
Concen: 1.243 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Instrument :
MSVOA_X
ClientSampleId :

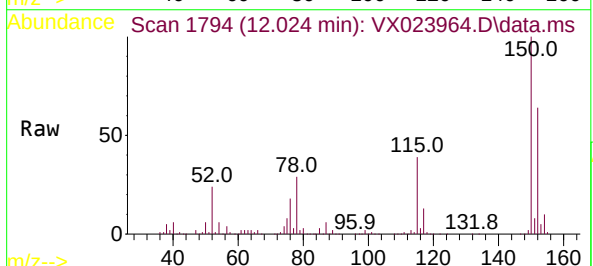


Tgt Ion:164 Resp: 2083

Ion	Ratio	Lower	Upper
164	100		
166	111.1	103.4	155.2
129	102.7	70.8	106.2
131	101.4	72.5	108.7

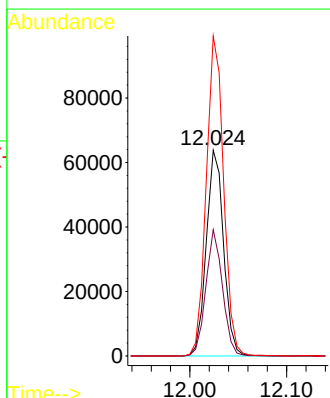
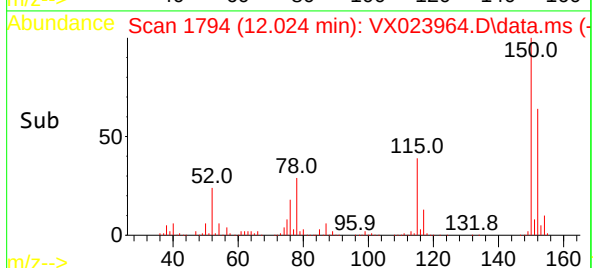


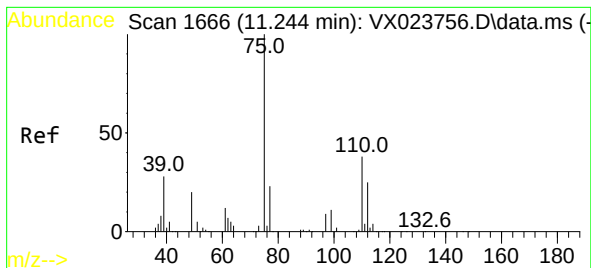
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45



Tgt Ion:152 Resp: 79393

Ion	Ratio	Lower	Upper
152	100		
115	59.1	41.1	123.3
150	155.6	0.0	349.0

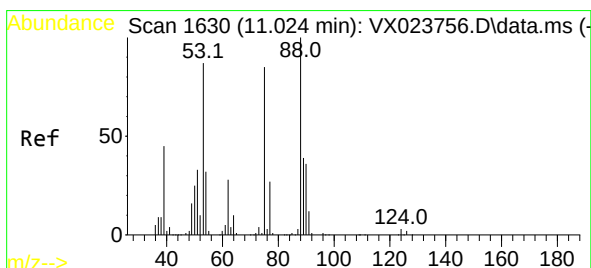
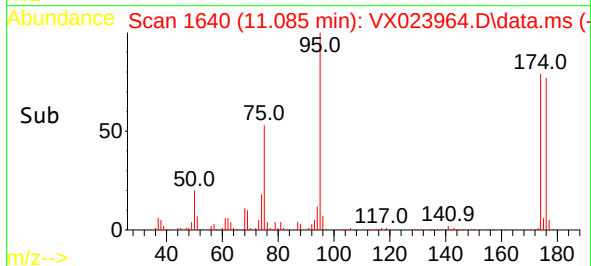
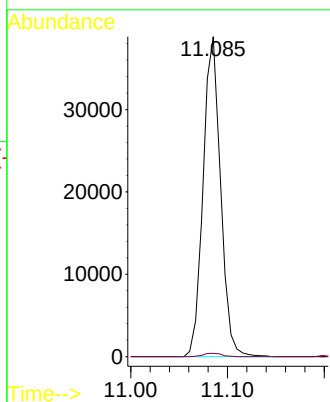
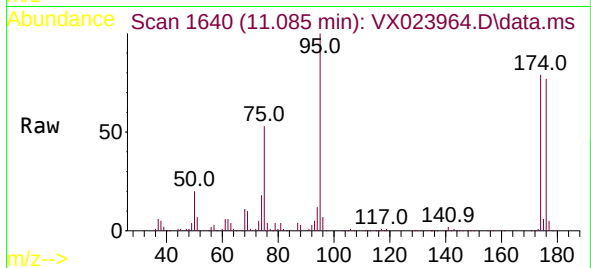




#76
1,2,3-Trichloropropane
Concen: 26.341 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

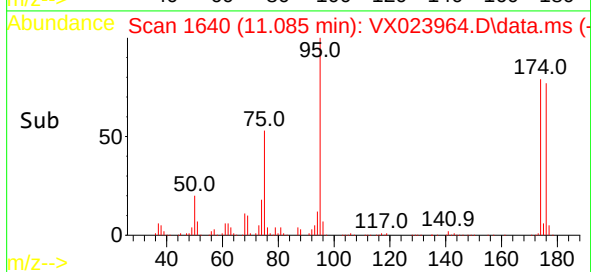
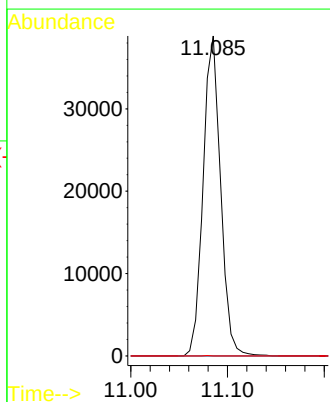
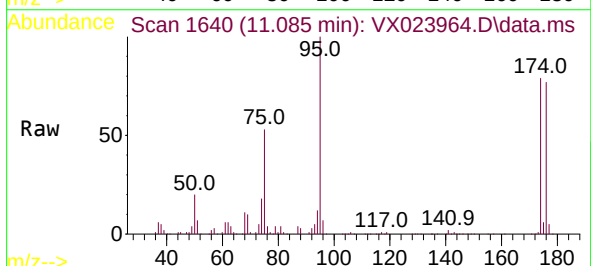
Instrument :
MSVOA_X
ClientSampled :

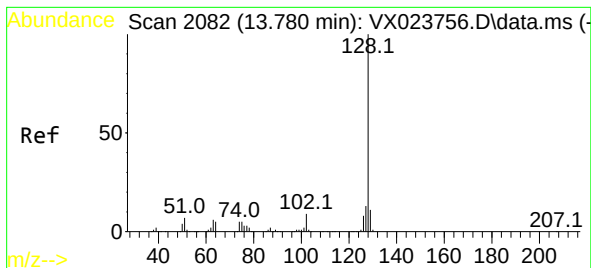
Tgt Ion: 75 Resp: 48785
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.484 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Tgt Ion: 75 Resp: 48785
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.286 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023964.D
Acq: 26 Aug 2021 14:45

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 23
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

