

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092121\
 Data File : VX024386.D
 Acq On : 21 Sep 2021 15:14
 Operator : JC/MD
 Sample : M3782-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 21 15:45:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

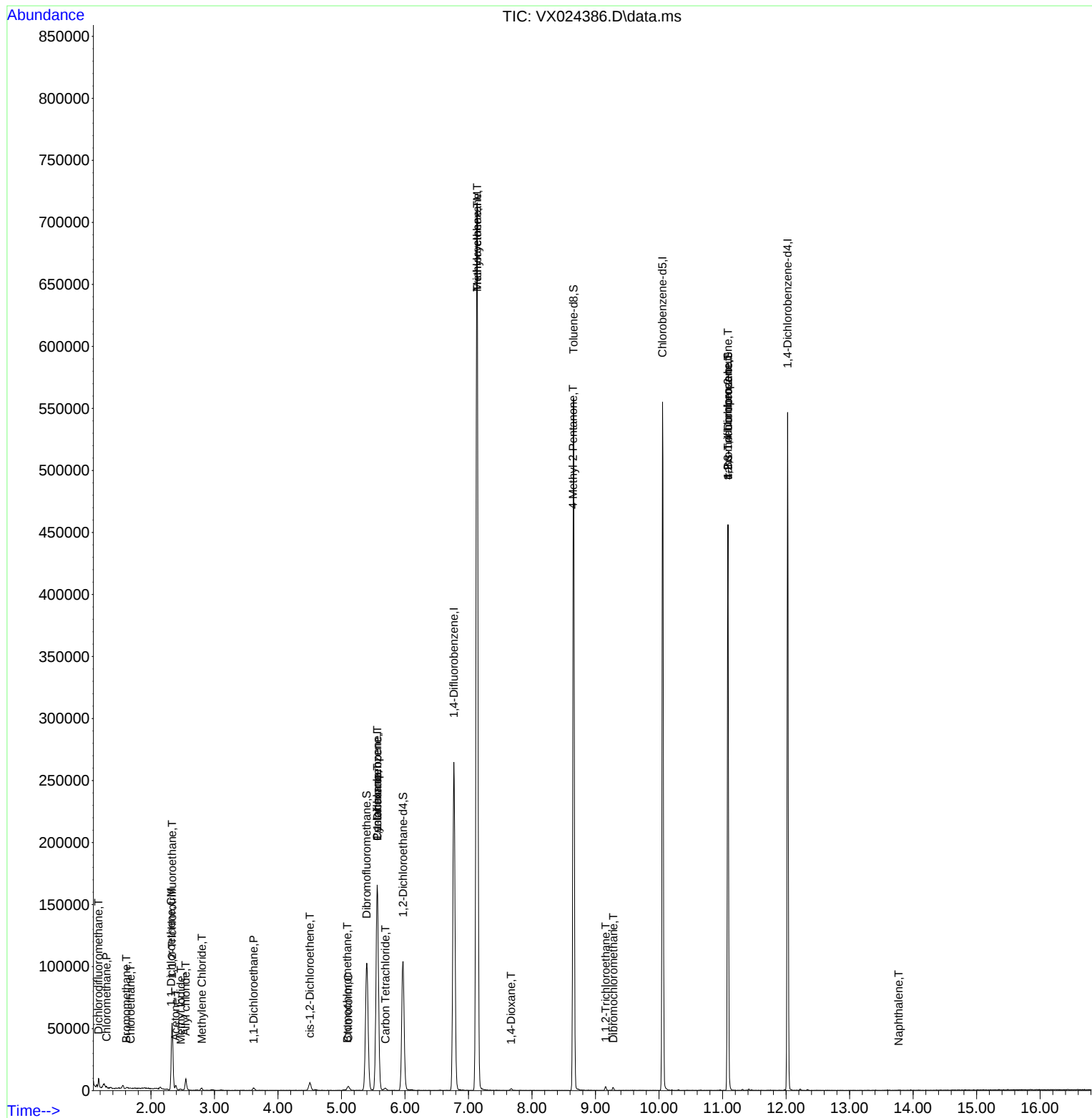
Internal Standards						
1) Pentafluorobenzene	5.562	168	151881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	267330	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	108029	49.880	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.760%
35) Dibromofluoromethane	5.397	113	89772	50.073	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	8.653	98	318457	48.759	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.085	95	114211	44.935	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.860%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	2498	1.711	ug/l	94
3) Chloromethane	1.301	50	811	0.532	ug/l	93
5) Bromomethane	1.612	94	505	0.559	ug/l #	71
6) Chloroethane	1.679	64	287	0.286	ug/l #	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	17674	11.820	ug/l	95
10) Methyl Iodide	2.471	142	1245	0.602	ug/l	99
11) Tert butyl alcohol	2.965	59	764	Below Cal	#	73
12) 1,1-Dichloroethene	2.319	96	3551	2.536	ug/l	85
14) Allyl chloride	2.544	41	911	0.358	ug/l #	42
16) Acetone	2.386	43	3608	3.907	ug/l	89
20) Methylene Chloride	2.800	84	807	0.455	ug/l #	81
24) 1,1-Dichloroethane	3.617	63	2381	0.812	ug/l	96
27) cis-1,2-Dichloroethene	4.501	96	3947	2.229	ug/l	90
28) Bromochloromethane	5.093	49	282	0.236	ug/l #	9
30) Chloroform	5.105	83	3921	1.257	ug/l	86
31) Cyclohexane	5.562	56	3390	1.338	ug/l #	28
36) 1,1-Dichloropropene	5.562	75	11656	4.742	ug/l #	49
38) Carbon Tetrachloride	5.690	117	1508	0.545	ug/l	92
39) Methylcyclohexane	7.135	83	3350	1.142	ug/l #	1
44) Trichloroethene	7.135	130	268074	135.346	ug/l	99
49) 1,4-Dioxane	7.671	88	1076	22.592	ug/l	91
51) 4-Methyl-2-Pentanone	8.647	43	1430	0.492	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	823	0.418	ug/l #	81
60) Dibromochloromethane	9.281	129	406	1.902	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	61579	24.586	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	61579	72.307	ug/l #	12
95) Naphthalene	13.774	128	237	1.317	ug/l #	69

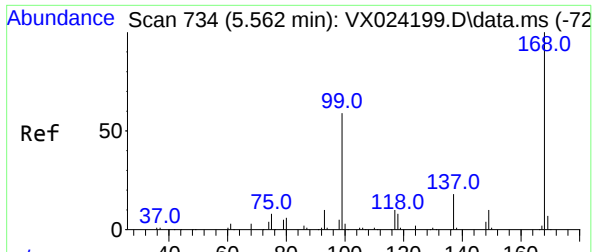
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 21 10:52:48 2021
Response via : Initial Calibration

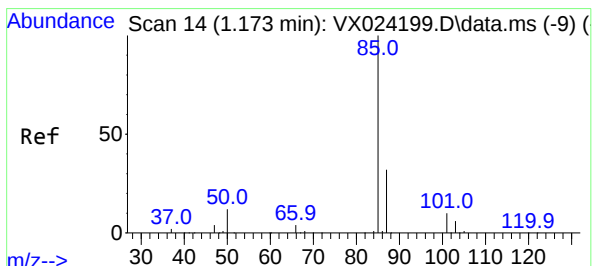
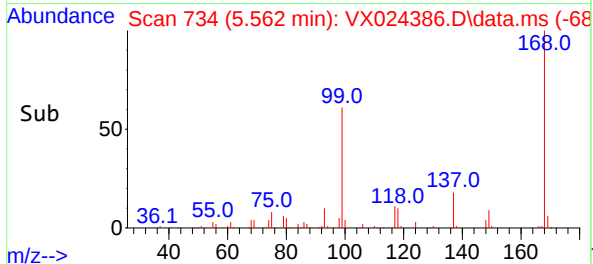
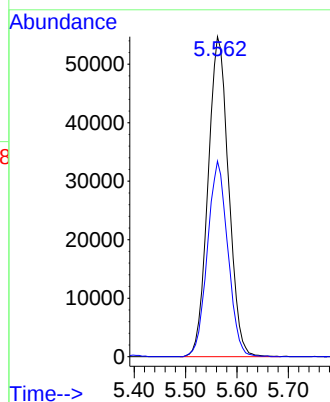
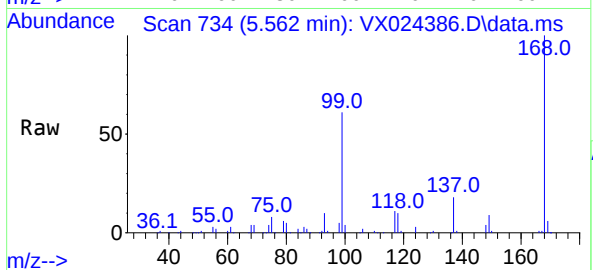




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

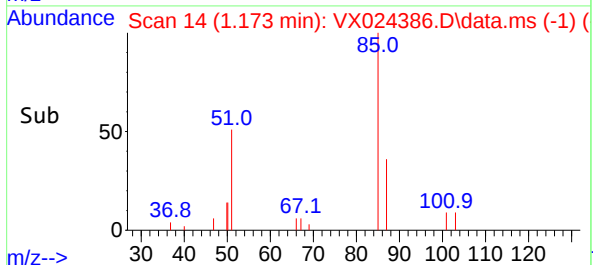
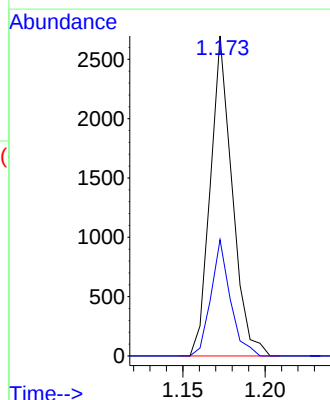
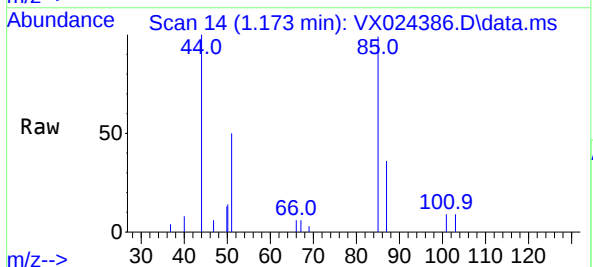
Instrument :
MSVOA_X
ClientSampled :

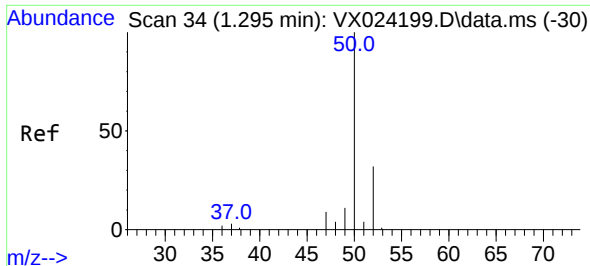
Tgt Ion:168 Resp: 151881
Ion Ratio Lower Upper
168 100
99 61.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 1.711 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 85 Resp: 2498
Ion Ratio Lower Upper
85 100
87 36.4 16.4 49.2

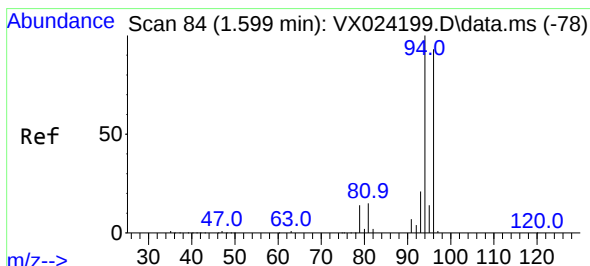
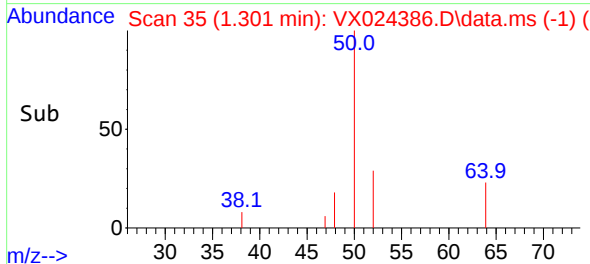
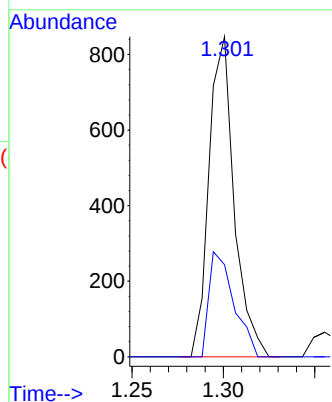
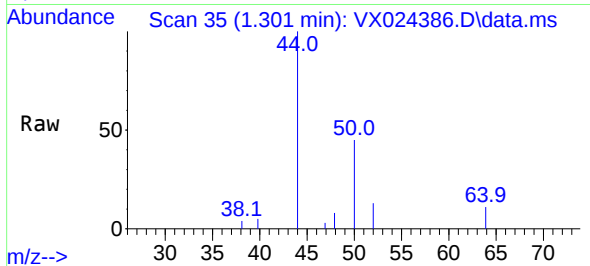




#3
Chloromethane
Concen: 0.532 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

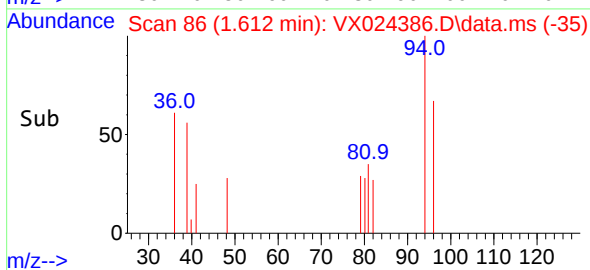
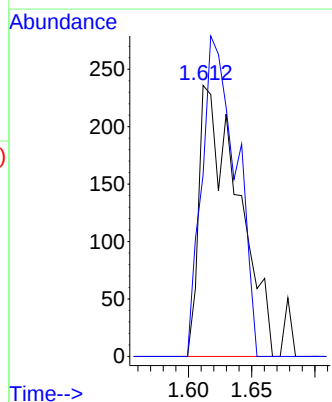
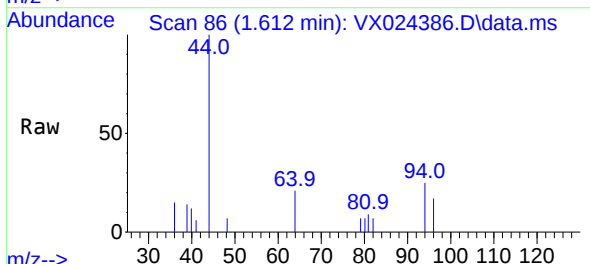
Instrument :
MSVOA_X
ClientSampled :

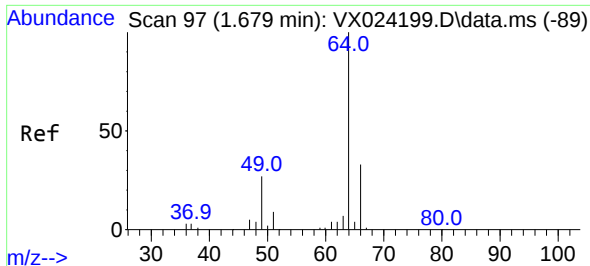
Tgt Ion: 50 Resp: 811
Ion Ratio Lower Upper
50 100
52 28.8 26.4 39.6



#5
Bromomethane
Concen: 0.559 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 94 Resp: 505
Ion Ratio Lower Upper
94 100
96 66.9 76.4 114.6#

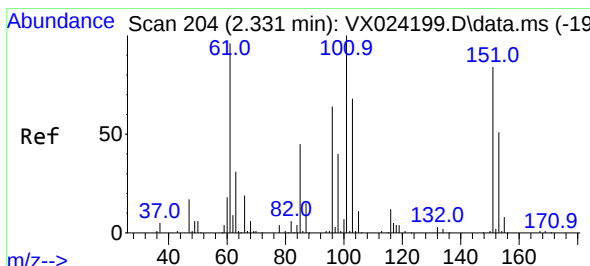
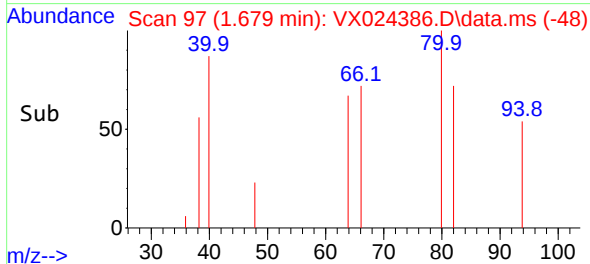
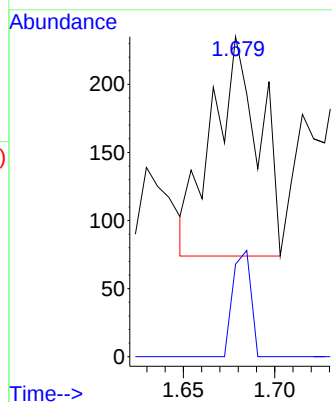
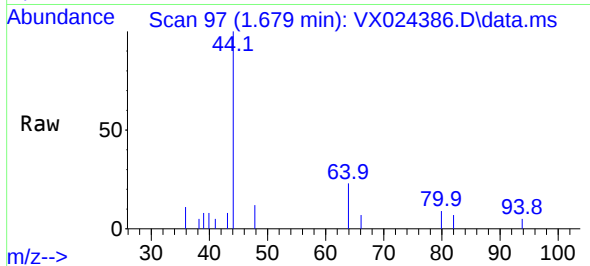




#6
Chloroethane
Concen: 0.286 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

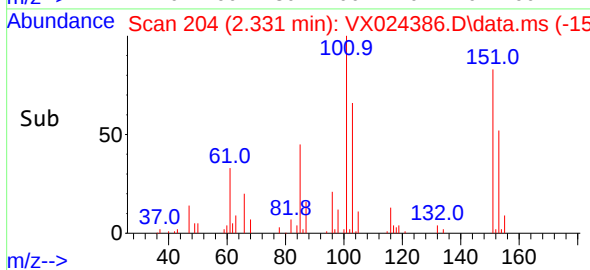
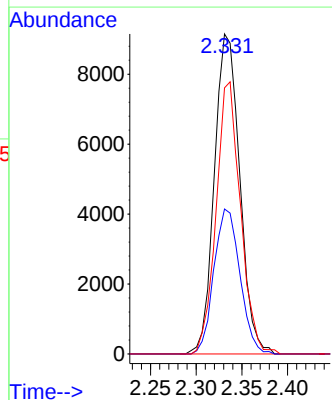
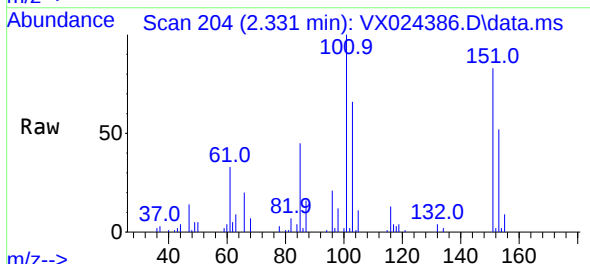
Instrument :
MSVOA_X
ClientSampled :

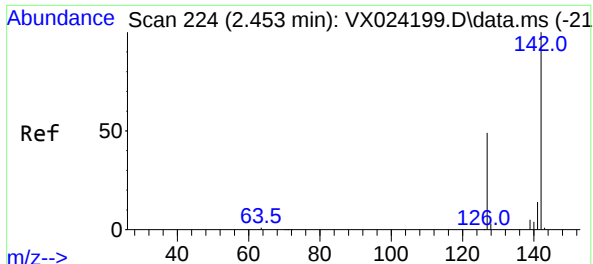
Tgt Ion: 64 Resp: 287
Ion Ratio Lower Upper
64 100
66 42.2 25.4 38.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.820 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

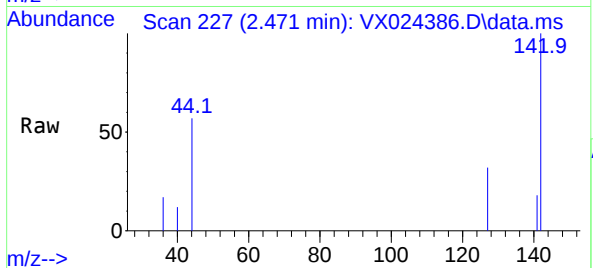
Tgt Ion: 101 Resp: 17674
Ion Ratio Lower Upper
101 100
85 46.4 34.9 52.3
151 81.7 61.4 92.2



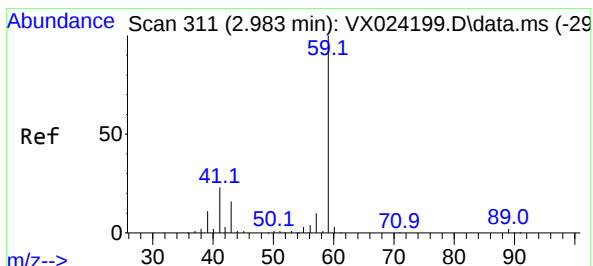
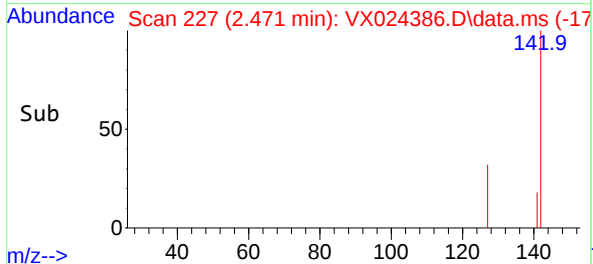
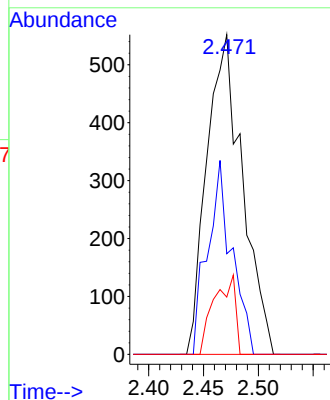


#10
Methyl Iodide
Concen: 0.602 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Instrument :
MSVOA_X
ClientSampled :

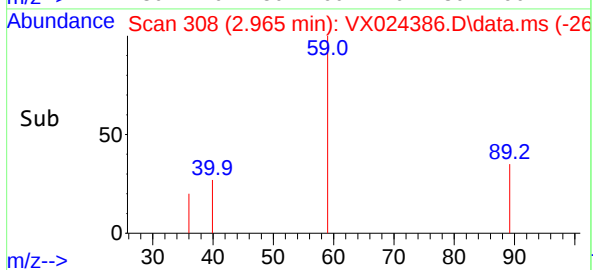
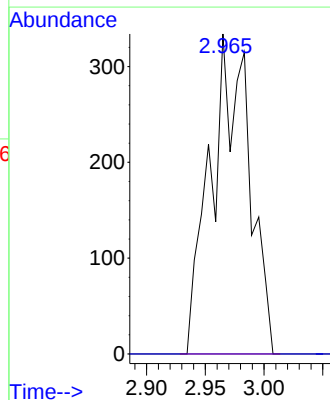
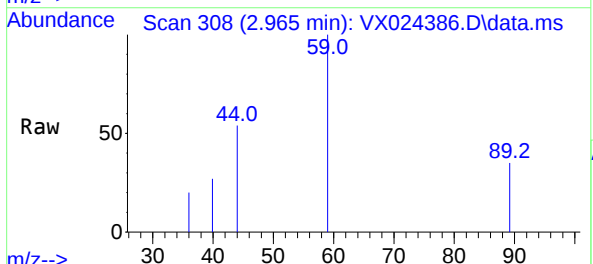


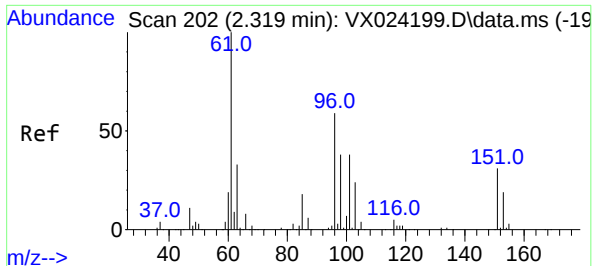
Tgt Ion:142 Resp: 1245
Ion Ratio Lower Upper
142 100
127 41.4 33.3 49.9
141 14.9 11.4 17.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 59 Resp: 764
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



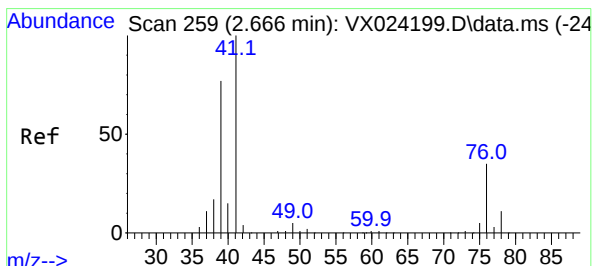
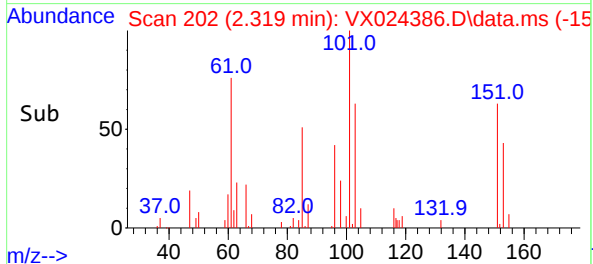
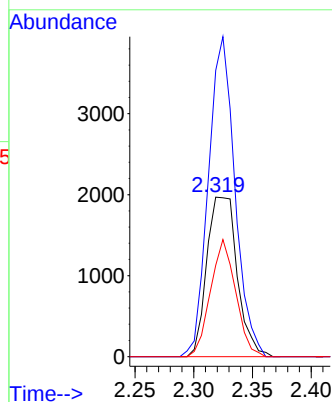
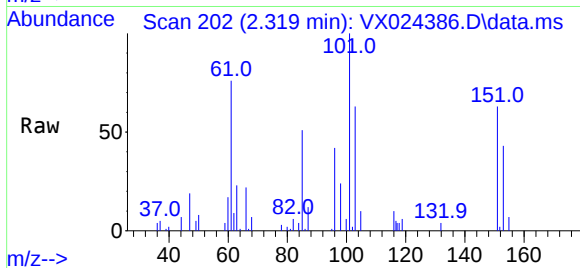


#12
1,1-Dichloroethene
Concen: 2.536 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 96 Resp: 3551

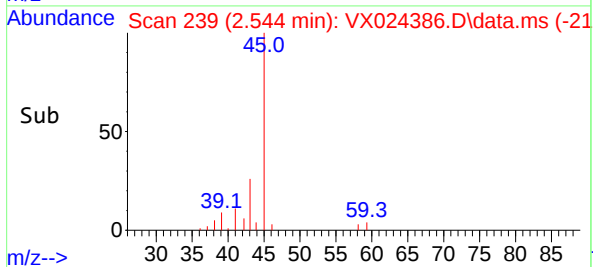
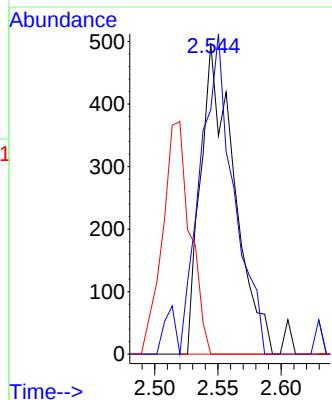
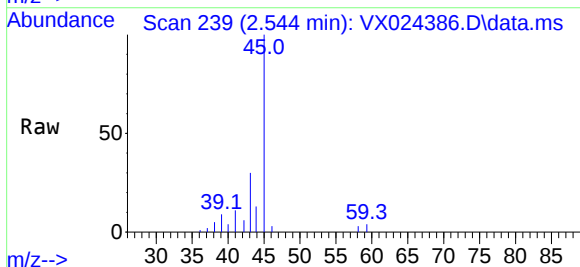
Ion	Ratio	Lower	Upper
96	100		
61	179.5	124.6	187.0
98	57.2	50.6	76.0

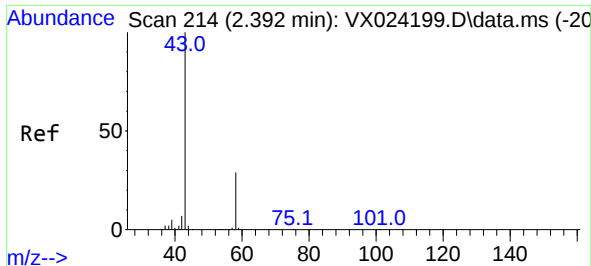


#14
Allyl chloride
Concen: 0.358 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 41 Resp: 911

Ion	Ratio	Lower	Upper
41	100		
39	108.2	51.6	77.4#
76	0.0	30.5	45.7#

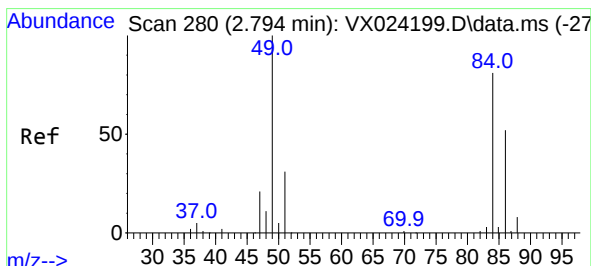
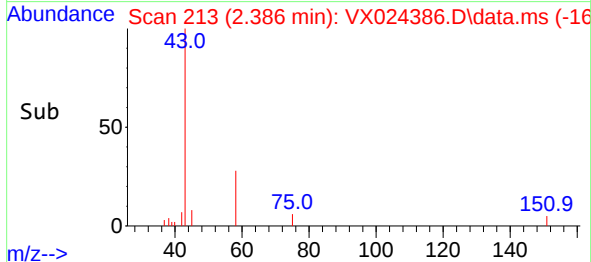
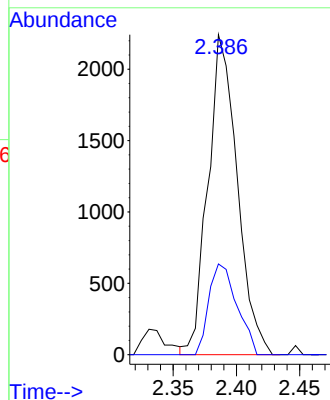
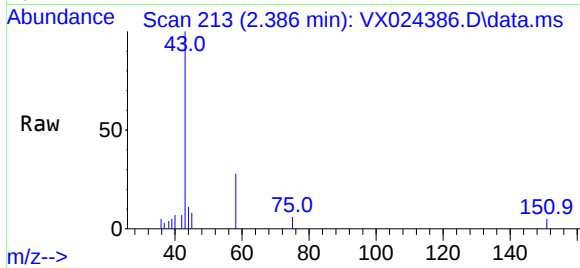




#16
Acetone
Concen: 3.907 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

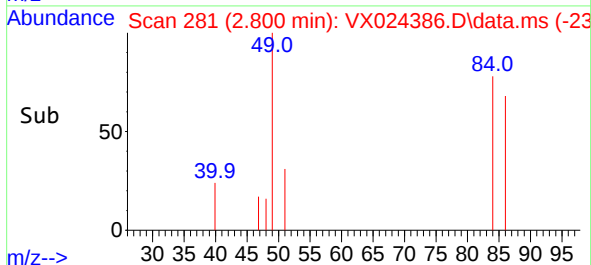
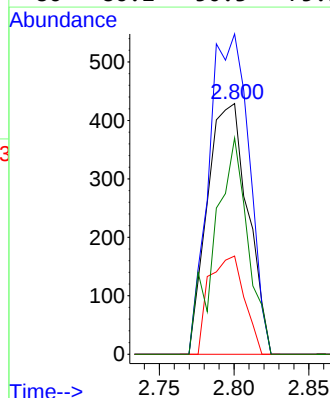
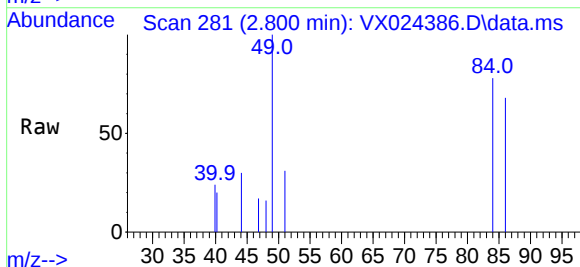
Instrument :
MSVOA_X
ClientSampled :

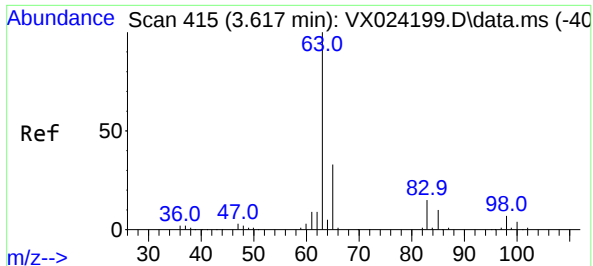
Tgt Ion: 43 Resp: 3608
Ion Ratio Lower Upper
43 100
58 28.4 27.8 41.8



#20
Methylene Chloride
Concen: 0.455 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 84 Resp: 807
Ion Ratio Lower Upper
84 100
49 127.7 88.6 132.8
51 39.2 27.0 40.6
86 86.2 50.3 75.5#



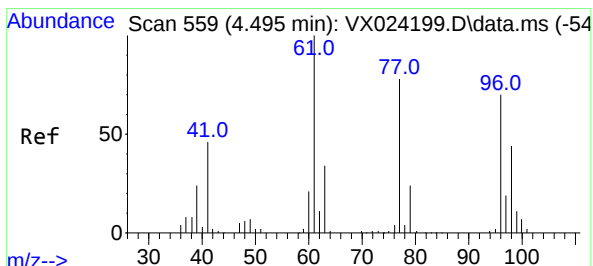
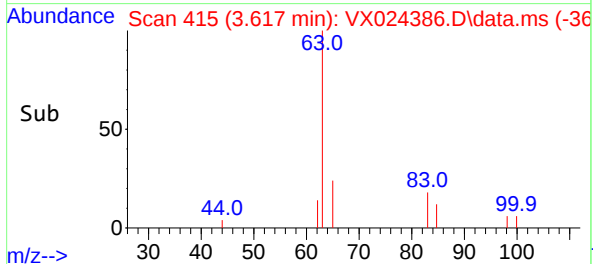
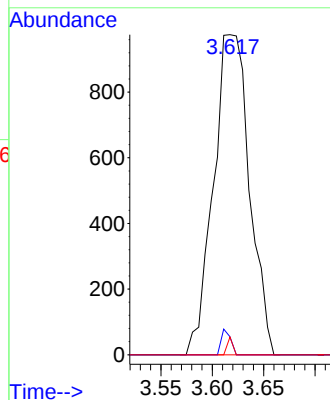
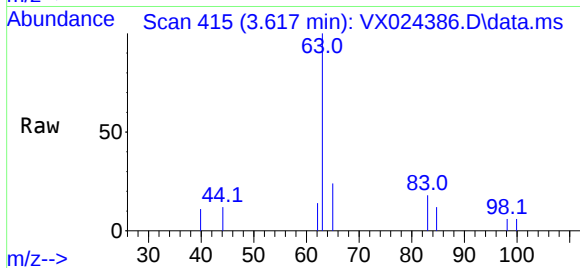


#24
1,1-Dichloroethane
Concen: 0.812 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 63 Resp: 2381

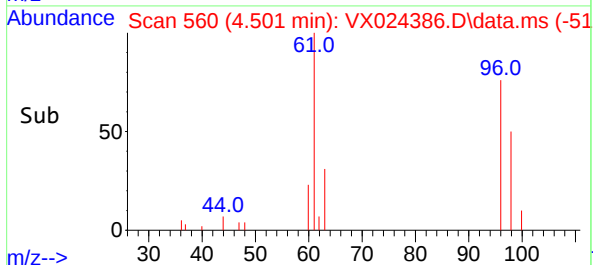
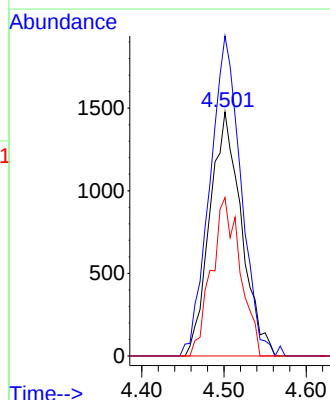
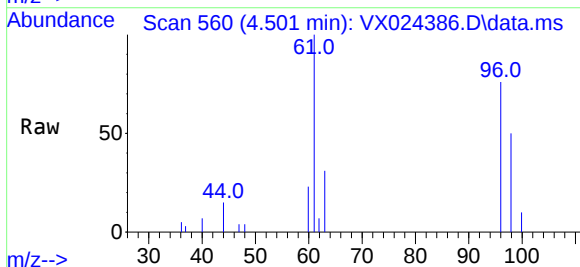
Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.8	11.2
100	5.5	2.5	7.5

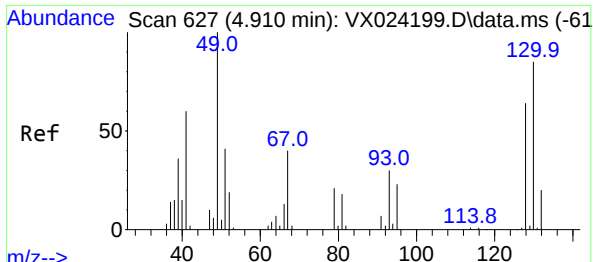


#27
cis-1,2-Dichloroethene
Concen: 2.229 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 96 Resp: 3947

Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	285.6
98	59.0	0.0	129.6

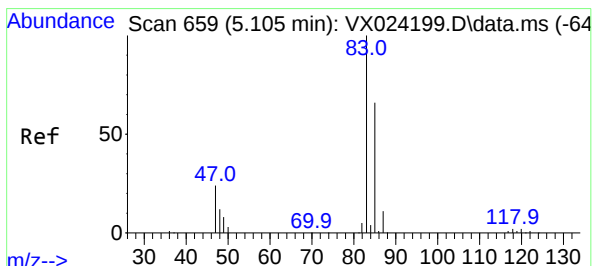
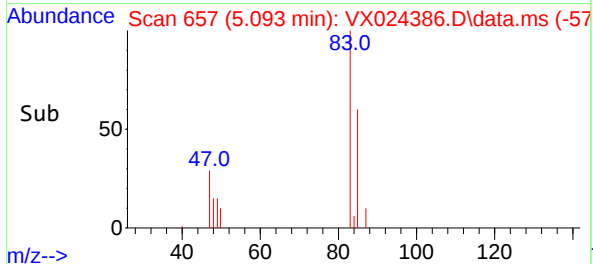
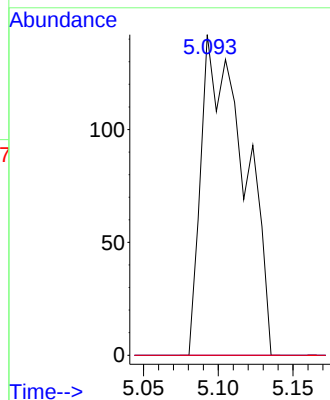
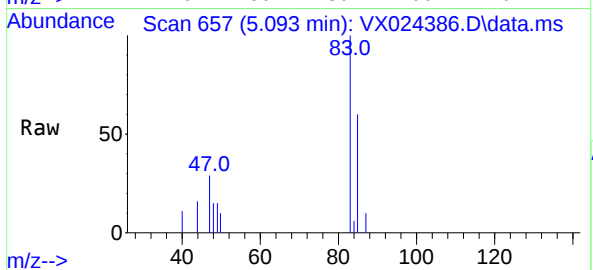




#28
Bromochloromethane
Concen: 0.236 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.183 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

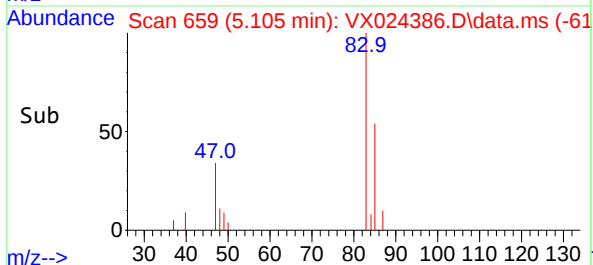
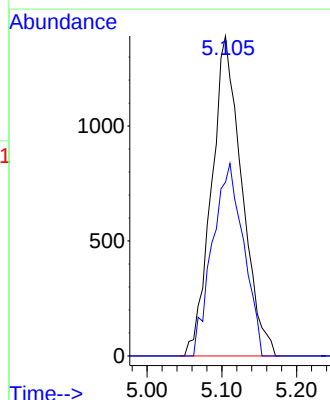
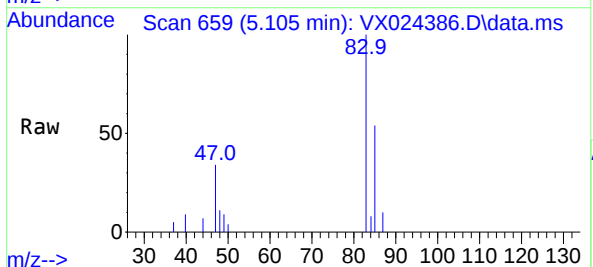
Instrument :
MSVOA_X
ClientSampled :

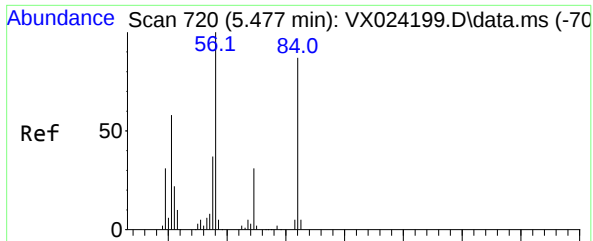
Tgt Ion: 49 Resp: 282
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#30
Chloroform
Concen: 1.257 ug/l
RT: 5.105 min Scan# 659
Delta R.T. -0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

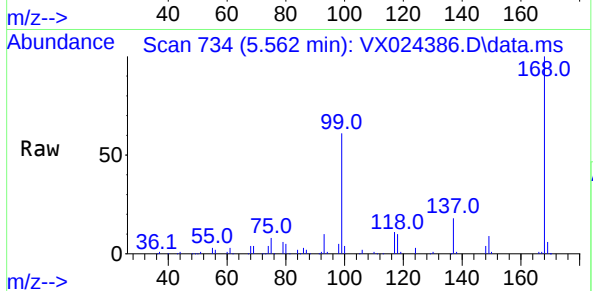
Tgt Ion: 83 Resp: 3921
Ion Ratio Lower Upper
83 100
85 54.3 52.0 78.0



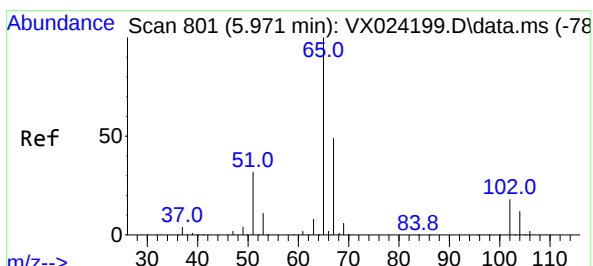
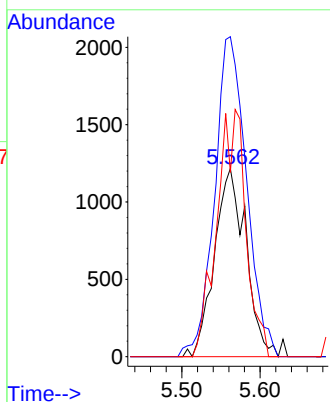
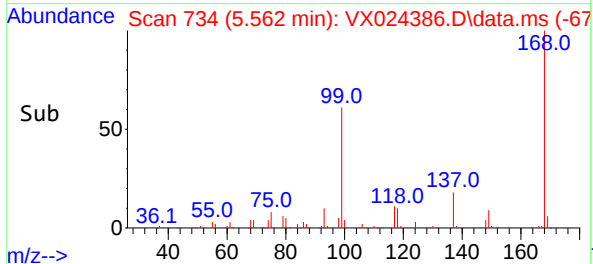


#31
Cyclohexane
Concen: 1.338 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

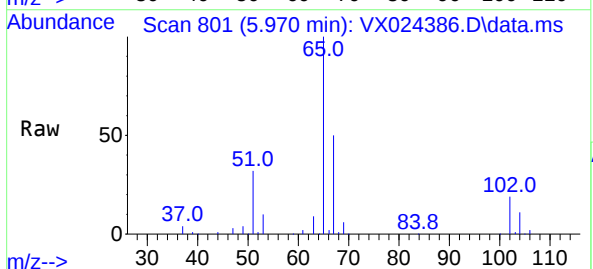
Instrument :
MSVOA_X
ClientSampled :



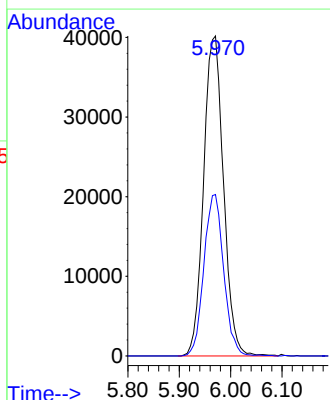
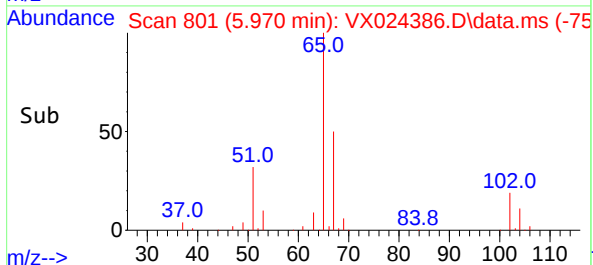
Tgt Ion: 56 Resp: 3390
Ion Ratio Lower Upper
56 100
69 170.0 25.3 37.9#
84 97.9 71.4 107.0

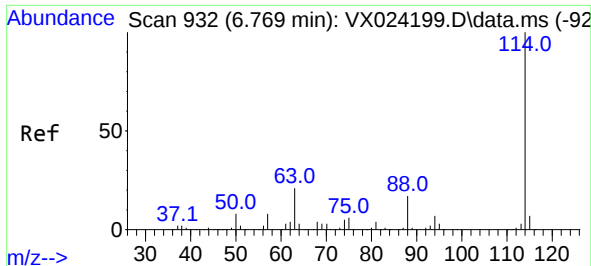


#33
1,2-Dichloroethane-d4
Concen: 49.880 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14



Tgt Ion: 65 Resp: 108029
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

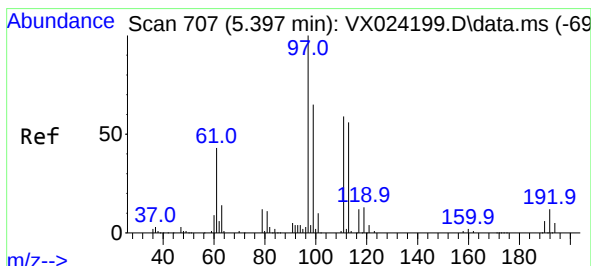
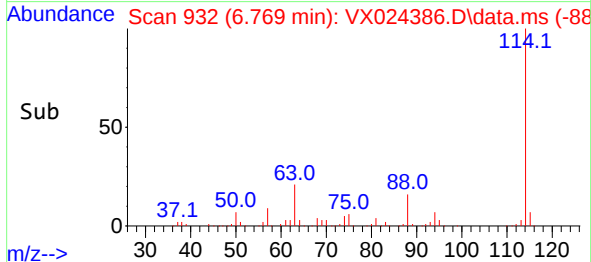
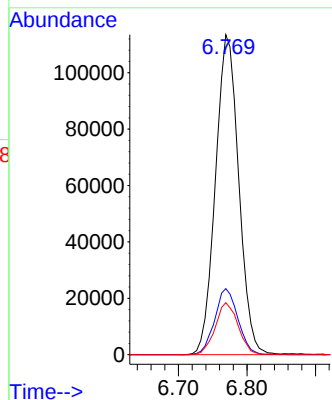
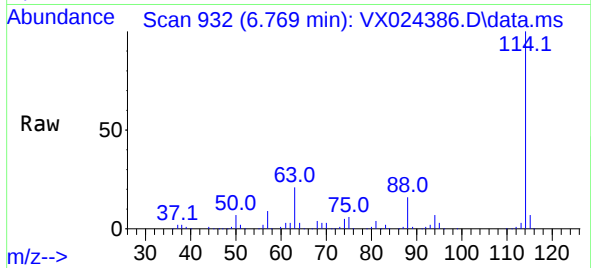




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

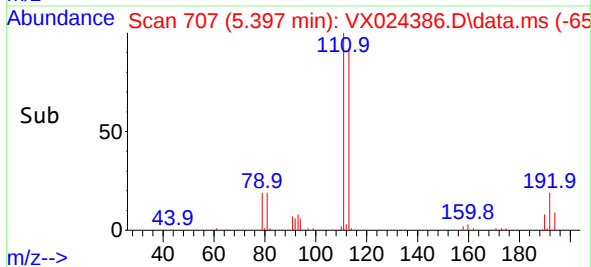
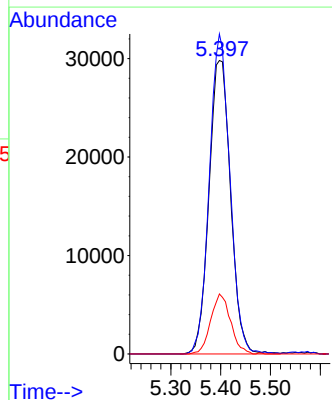
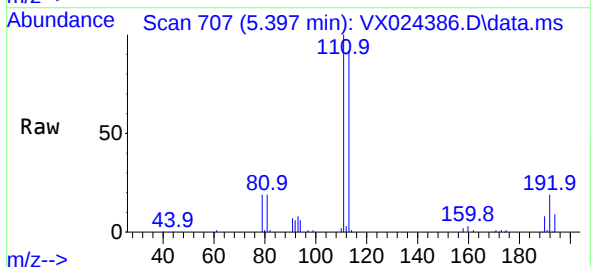
Instrument :
MSVOA_X
ClientSampled :

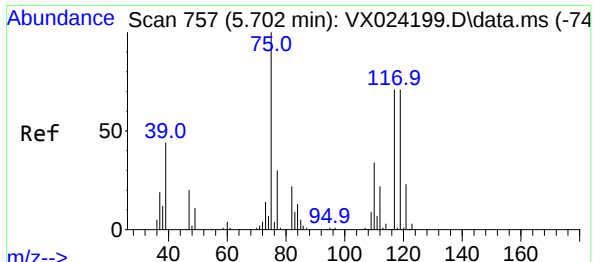
Tgt Ion:114 Resp: 267330
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.073 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion:113 Resp: 89772
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 18.7 16.7 25.1

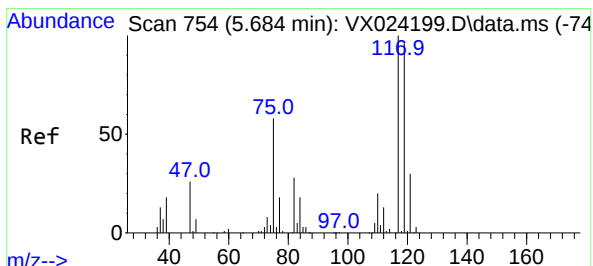
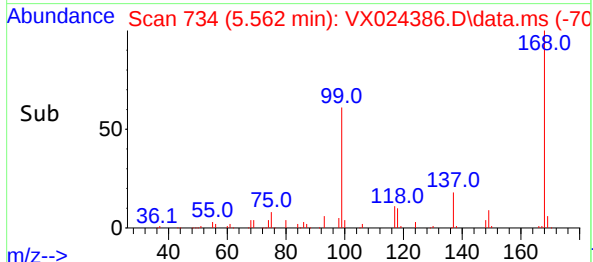
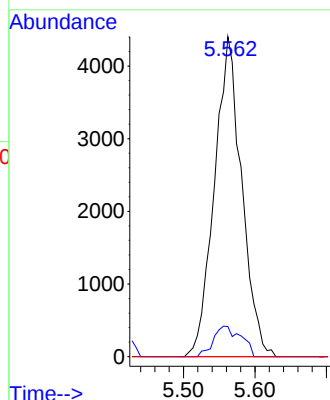
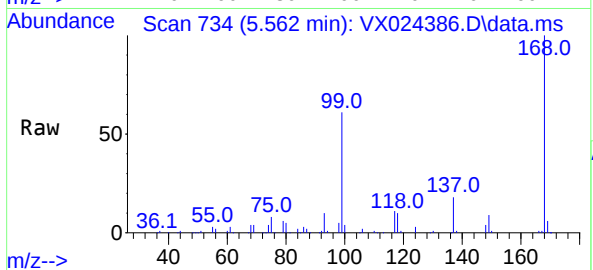




#36
1,1-Dichloropropene
Concen: 4.742 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

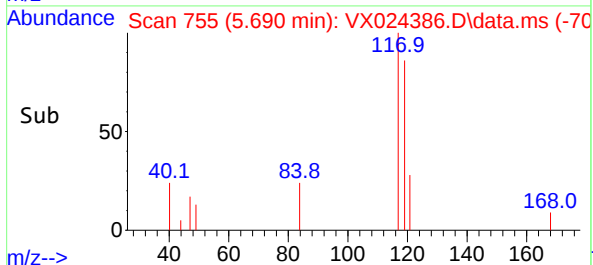
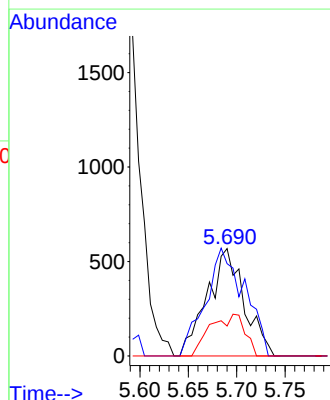
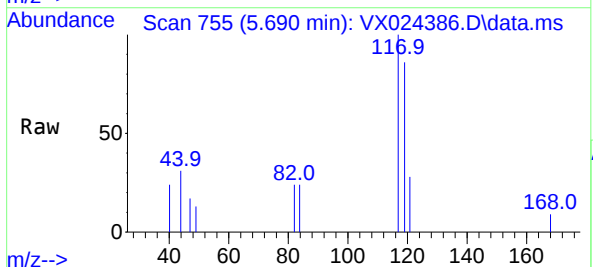
Instrument :
MSVOA_X
ClientSampled :

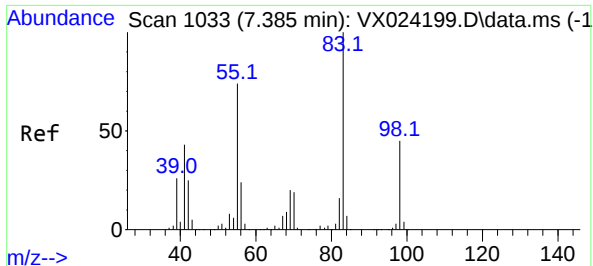
Tgt Ion: 75 Resp: 11656
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.545 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 117 Resp: 1508
Ion Ratio Lower Upper
117 100
119 86.1 76.2 114.2
121 27.8 24.8 37.2

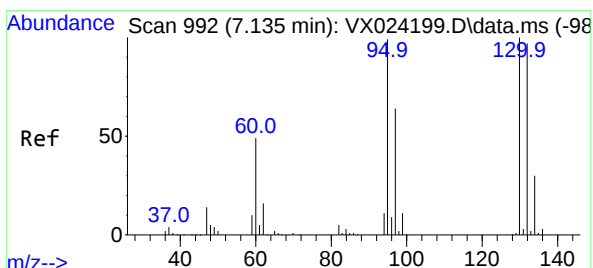
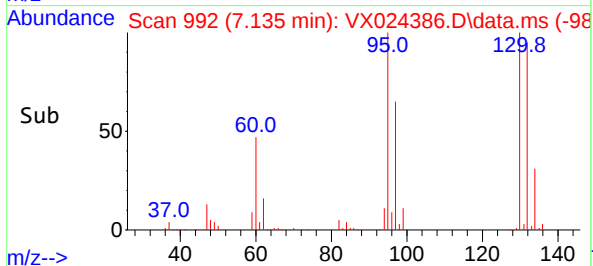
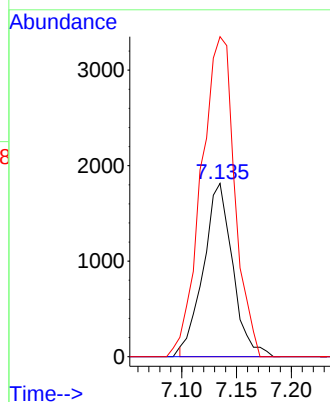
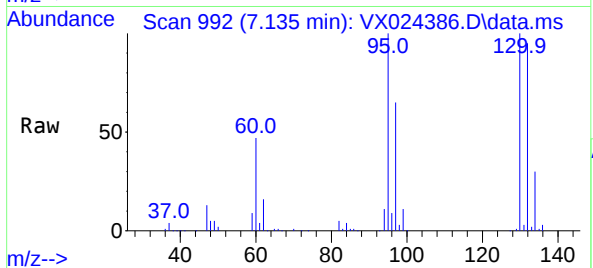




#39
Methylcyclohexane
Concen: 1.142 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

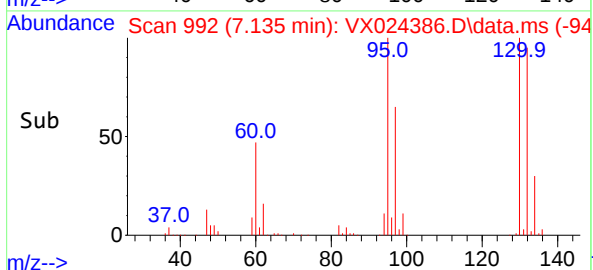
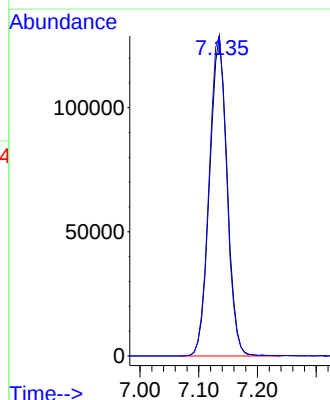
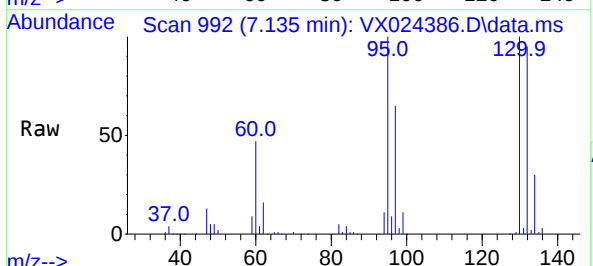
Instrument :
MSVOA_X
ClientSampled :

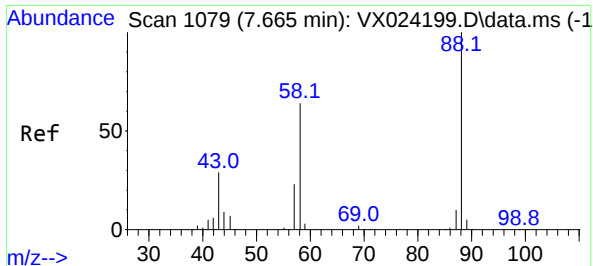
Tgt Ion: 83 Resp: 3350
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 181.9 38.1 57.1#



#44
Trichloroethene
Concen: 135.346 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion:130 Resp: 268074
Ion Ratio Lower Upper
130 100
95 99.9 0.0 198.0





#49

1,4-Dioxane

Concen: 22.592 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX024386.D

Acq: 21 Sep 2021 15:14

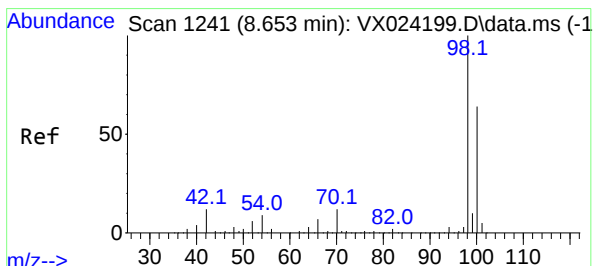
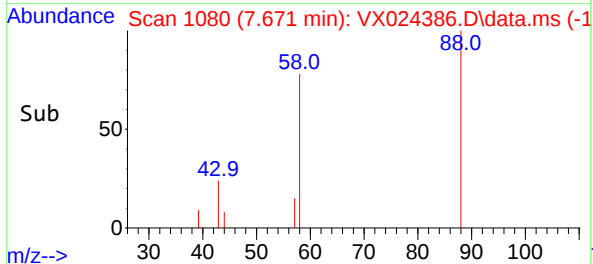
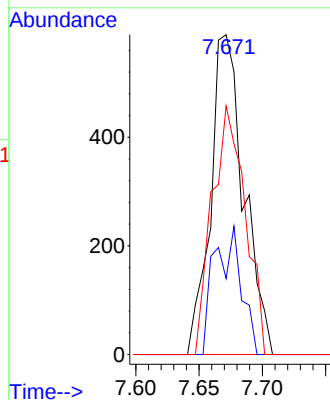
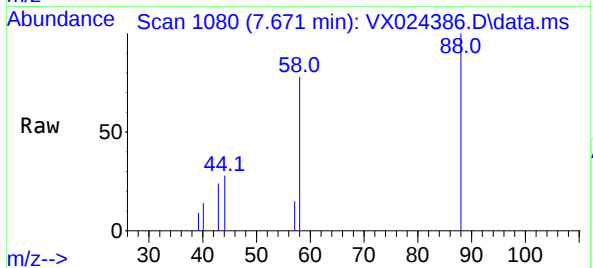
Tgt Ion: 88 Resp: 1076

Ion Ratio Lower Upper

88 100

43 32.1 23.2 34.8

58 77.3 55.0 82.4



#50

Toluene-d8

Concen: 48.759 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024386.D

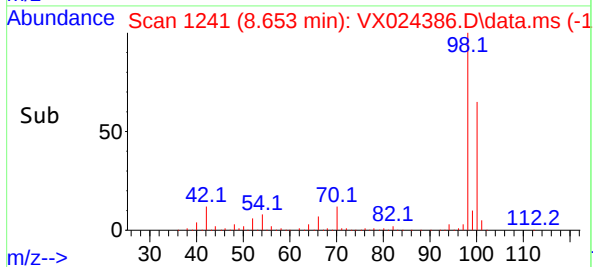
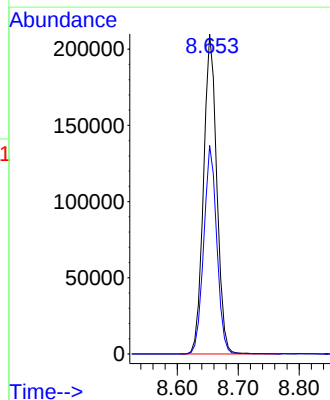
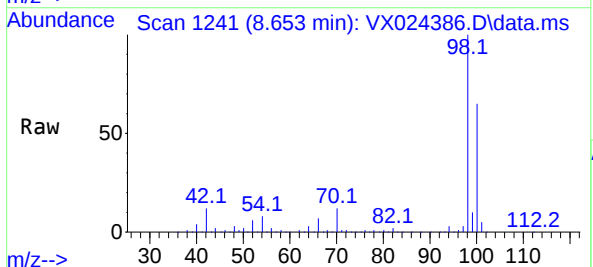
Acq: 21 Sep 2021 15:14

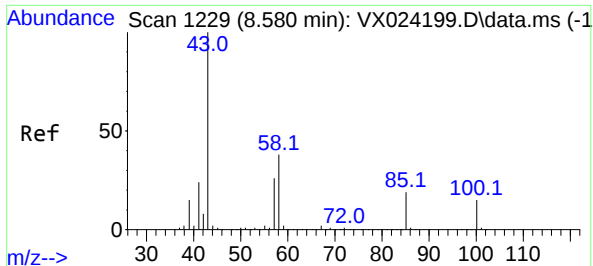
Tgt Ion: 98 Resp: 318457

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9

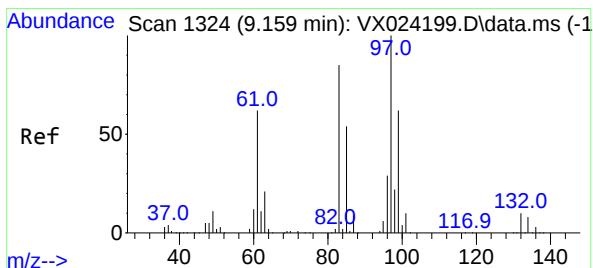
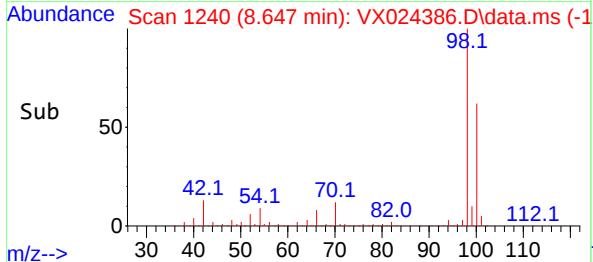
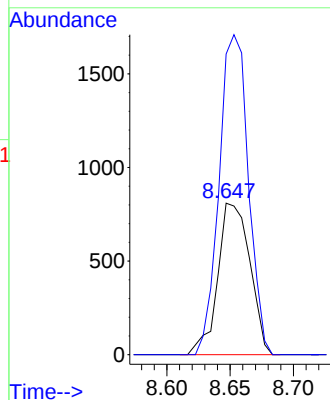
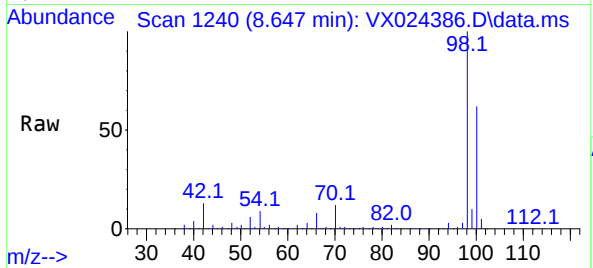




#51
4-Methyl-2-Pentanone
Concen: 0.492 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

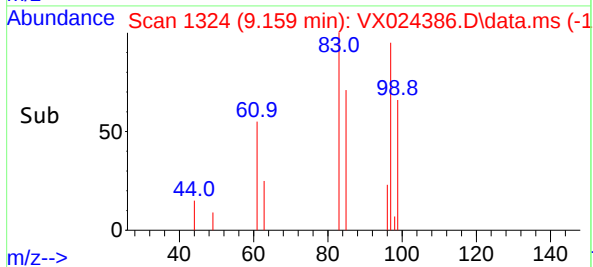
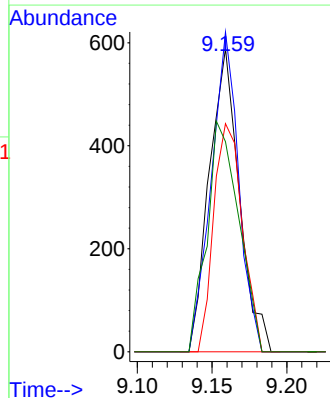
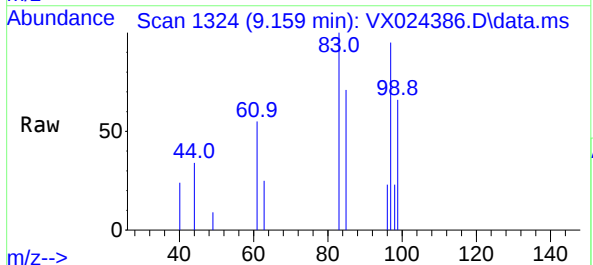
Instrument :
MSVOA_X
ClientSampled :

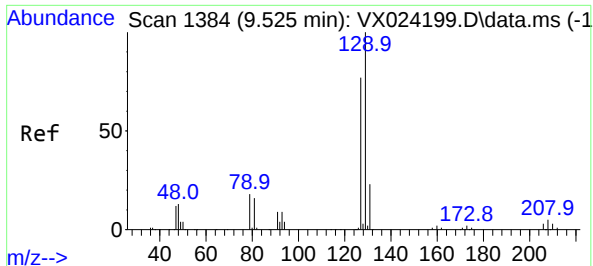
Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
58 192.7 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.418 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 97 Resp: 823
Ion Ratio Lower Upper
97 100
83 105.4 69.3 103.9#
85 75.2 44.3 66.5#
99 69.3 50.3 75.5

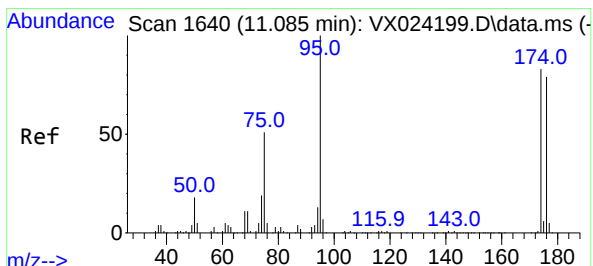
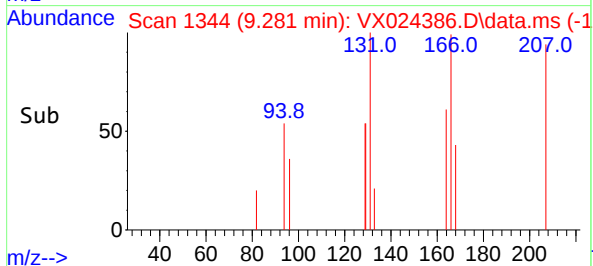
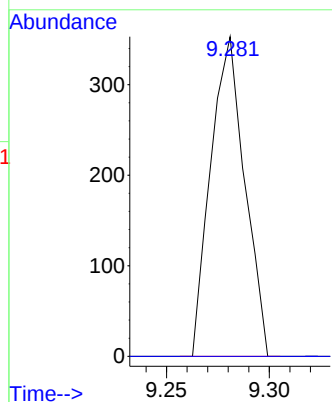
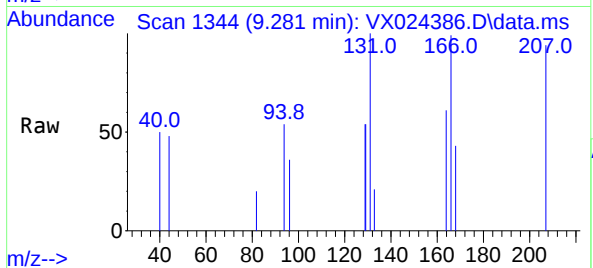




#60
Dibromochloromethane
Concen: 1.902 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

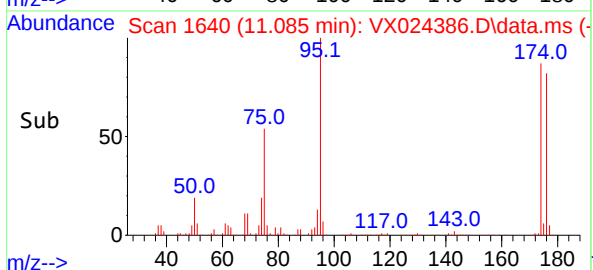
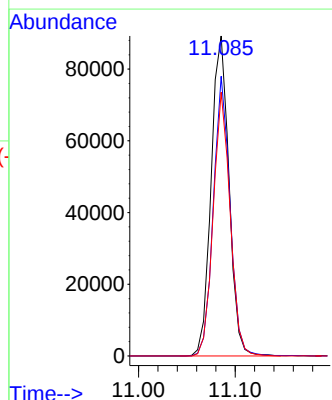
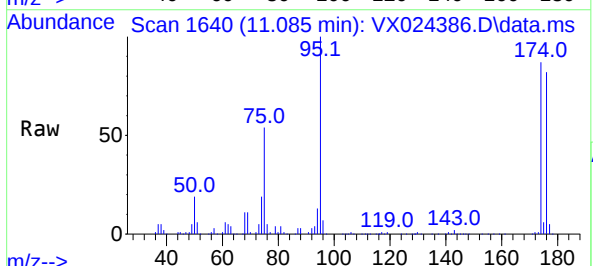
Instrument :
MSVOA_X
ClientSampled :

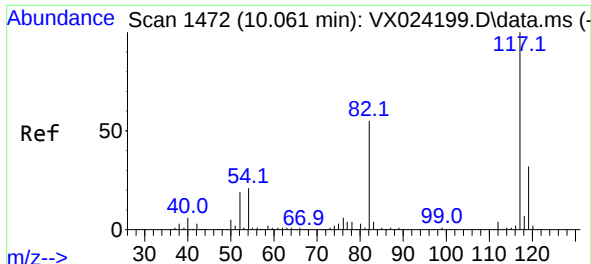
Tgt Ion:129 Resp: 406
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.935 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion: 95 Resp: 114211
Ion Ratio Lower Upper
95 100
174 81.8 0.0 154.6
176 78.2 0.0 155.8

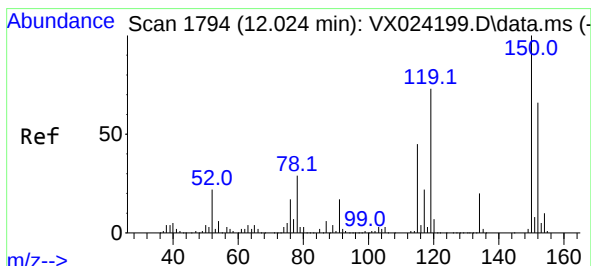
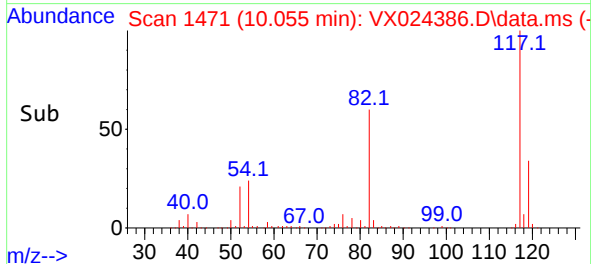
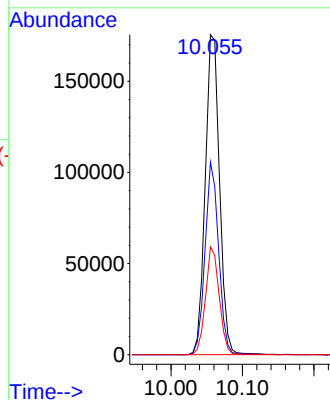
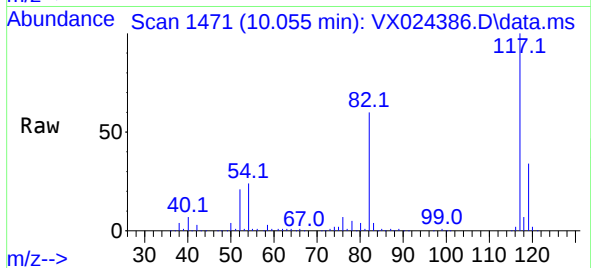




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

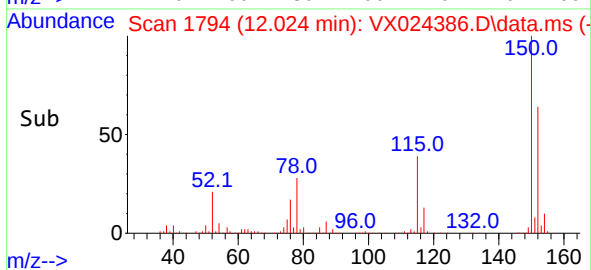
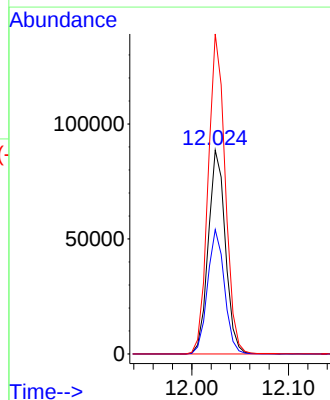
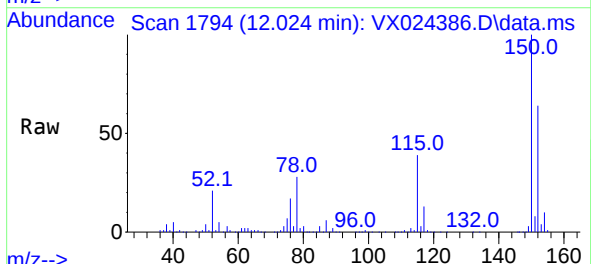
Instrument :
MSVOA_X
ClientSampled :

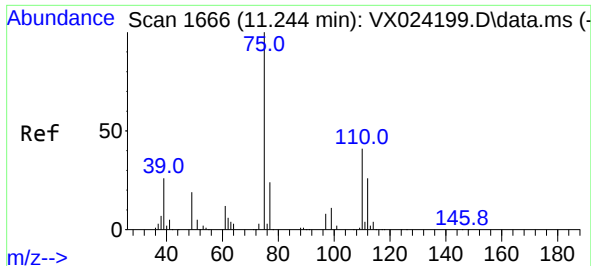
Tgt Ion:117 Resp: 244527
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 33.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Tgt Ion:152 Resp: 108927
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 156.9 0.0 349.0

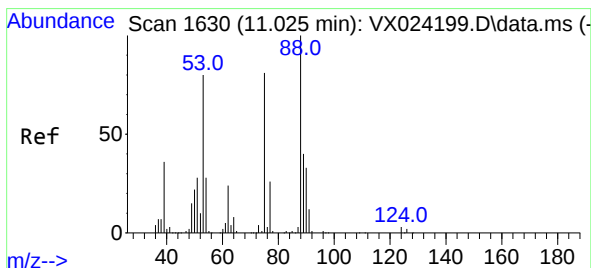
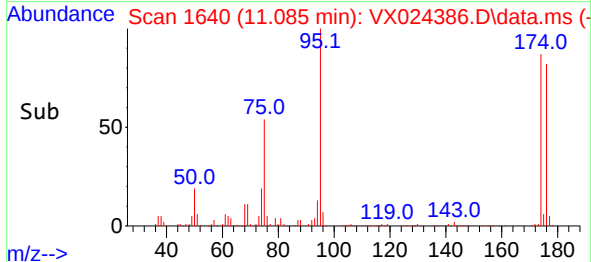
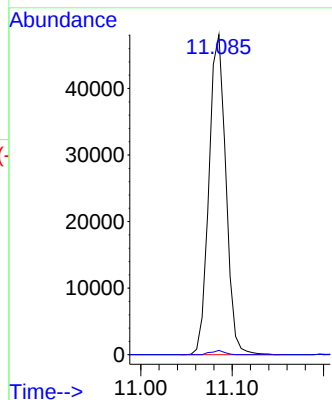
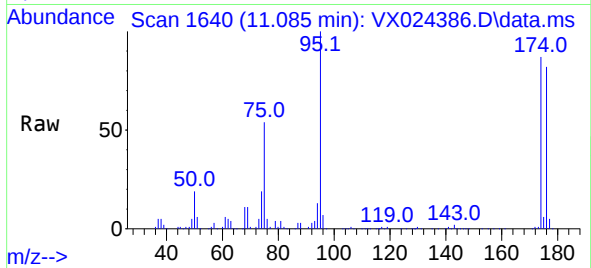




#76
1,2,3-Trichloropropane
Concen: 24.586 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

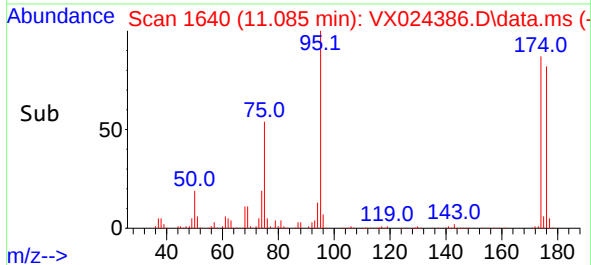
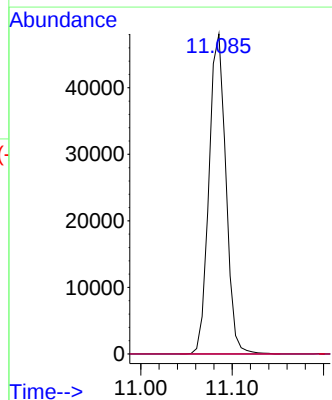
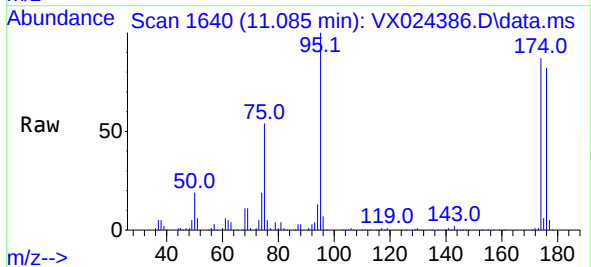
Instrument :
MSVOA_X
ClientSampled :

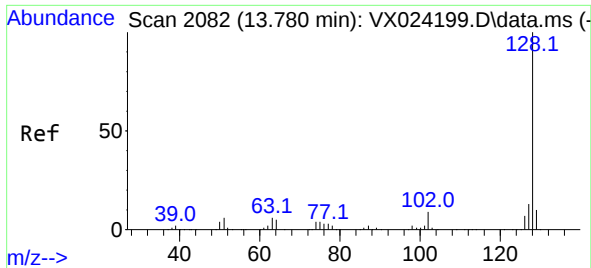
Tgt Ion: 75 Resp: 61579
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.307 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

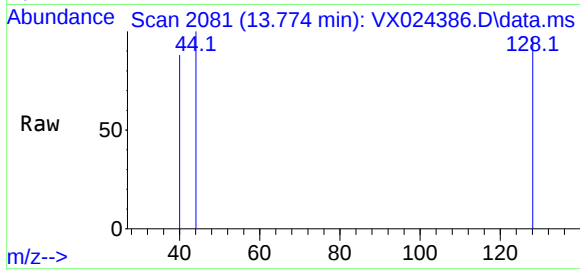
Tgt Ion: 75 Resp: 61579
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.317 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX024386.D
Acq: 21 Sep 2021 15:14

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	237
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

