

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024705.D
 Acq On : 09 Oct 2021 06:04
 Operator : JC/MD
 Sample : M4144-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

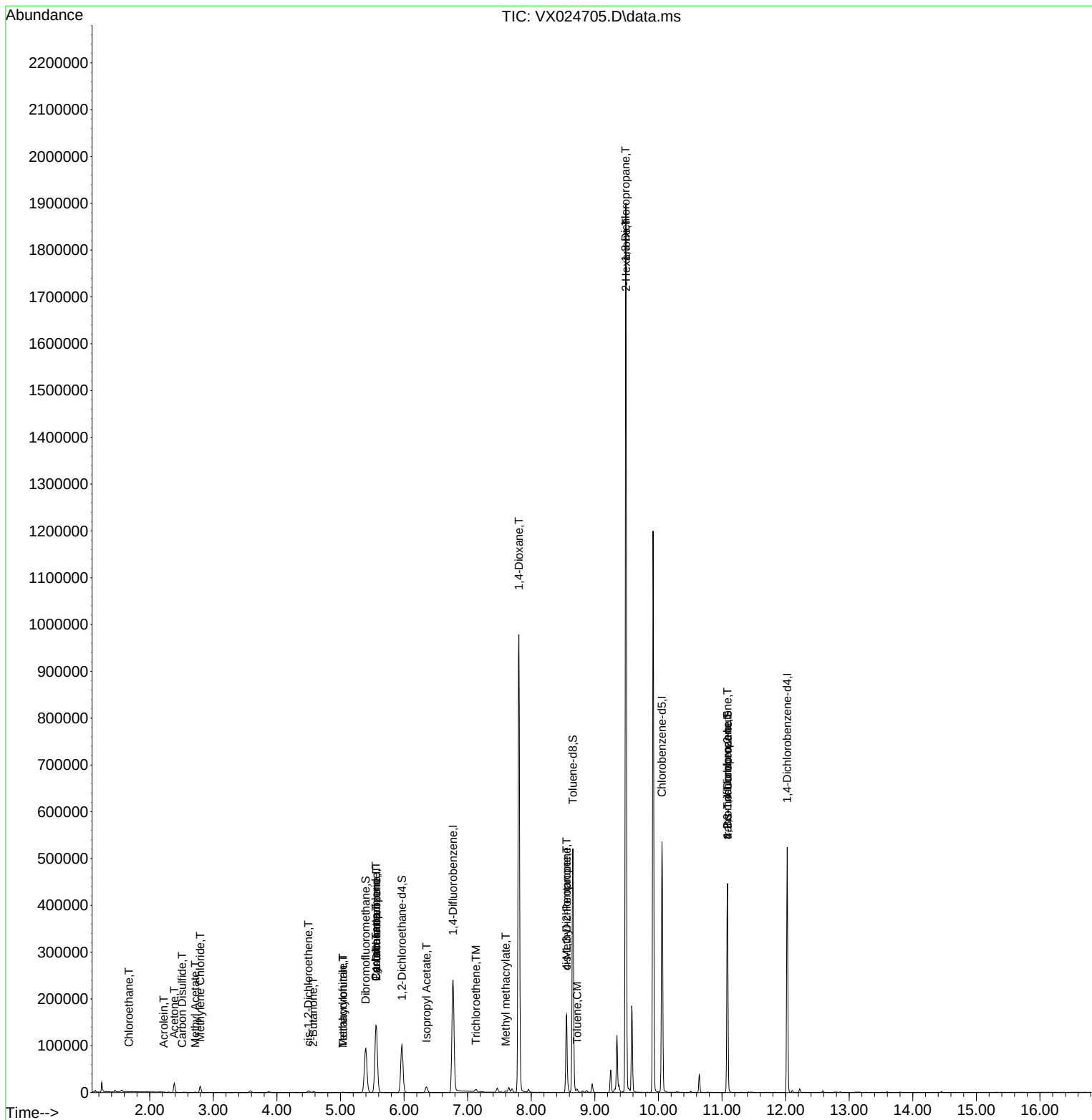
Quant Time: Oct 11 06:41:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

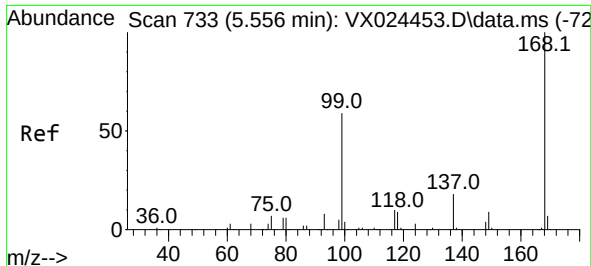
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	135821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237105	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.965	65	102185	53.382	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 106.760%		
35) Dibromofluoromethane	5.398	113	79593	50.531	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.060%		
50) Toluene-d8	8.653	98	297506	51.317	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.640%		
62) 4-Bromofluorobenzene	11.086	95	112296	49.265	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.540%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.673	64	162	0.438	ug/l #	43
11) Tert butyl alcohol	2.965	59	339	Below Cal	#	73
13) Acrolein	2.221	56	58	10.595	ug/l #	14
16) Acetone	2.386	43	20348	15.689	ug/l	88
17) Carbon Disulfide	2.508	76	332	0.331	ug/l #	75
18) Methyl Acetate	2.715	43	1391	0.485	ug/l #	87
20) Methylene Chloride	2.794	84	6003	3.118	ug/l	97
25) 2-Butanone	4.568	43	3496	2.652	ug/l #	80
27) cis-1,2-Dichloroethene	4.495	96	2376	1.438	ug/l	95
29) Tetrahydrofuran	5.038	42	476	0.567	ug/l #	68
31) Cyclohexane	5.556	56	2814	1.228	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10774	4.740	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13703	5.538	ug/l #	18
41) Methacrylonitrile	5.038	41	367	0.250	ug/l #	44
43) Isopropyl Acetate	6.355	43	16202	3.755	ug/l #	91
44) Trichloroethene	7.129	130	1698	0.950	ug/l	95
48) Methyl methacrylate	7.598	41	5092	2.384	ug/l #	10
49) 1,4-Dioxane	7.806	88	169	3.454	ug/l #	1
51) 4-Methyl-2-Pentanone	8.556	43	59435	20.867	ug/l #	46
52) Toluene	8.720	92	2162	0.515	ug/l	93
54) cis-1,3-Dichloropropene	8.556	75	25105	9.453	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	15580	5.319	ug/l #	42
59) 2-Hexanone	9.488	43	227163	101.274	ug/l #	43
76) 1,2,3-Trichloropropane	11.086	75	60197	26.100	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	60197	71.088	ug/l #	12

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

Quant Time: Oct 11 06:41:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

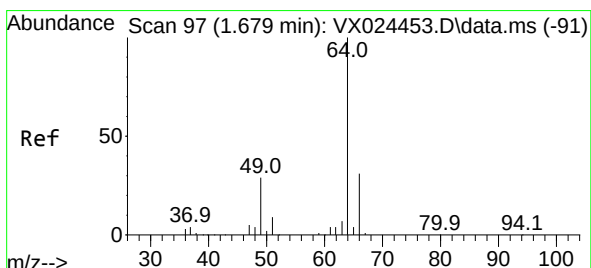
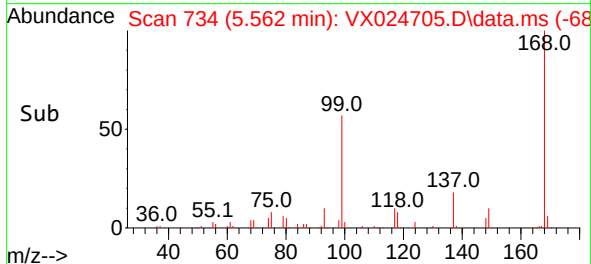
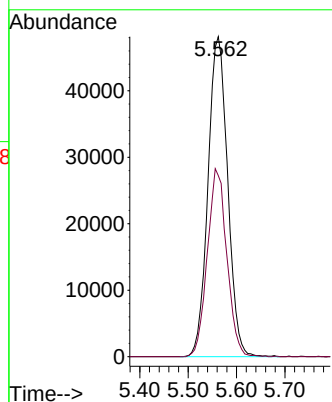
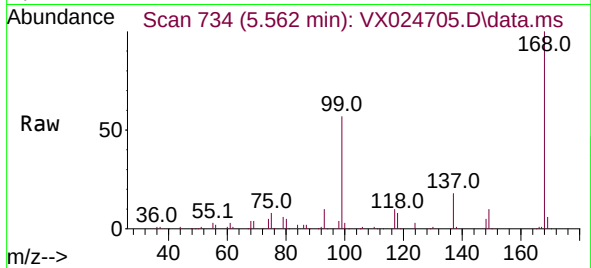




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

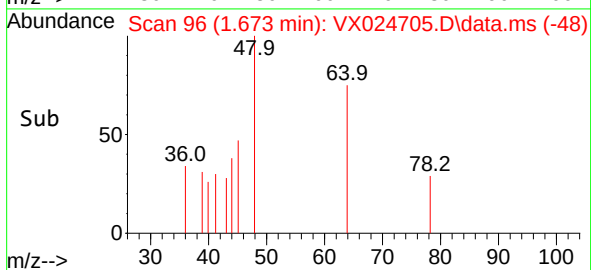
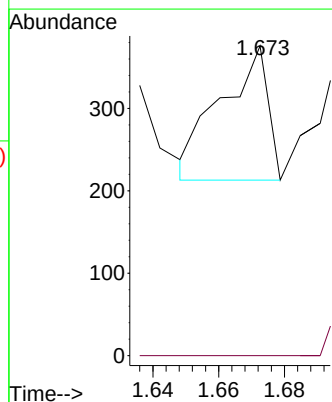
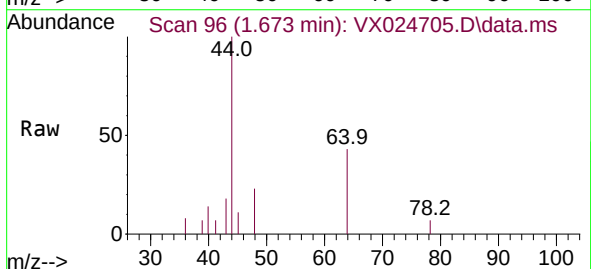
Instrument :
MSVOA_X
ClientSampled :

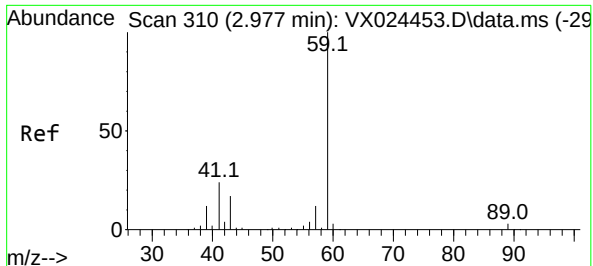
Tgt Ion:168 Resp: 135821
Ion Ratio Lower Upper
168 100
99 56.6 45.8 68.6



#6
Chloroethane
Concen: 0.438 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 64 Resp: 162
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

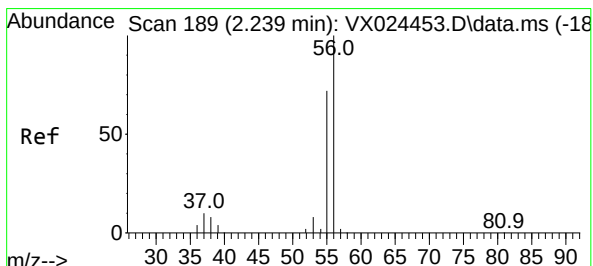
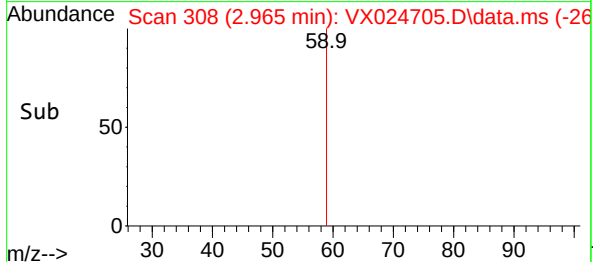
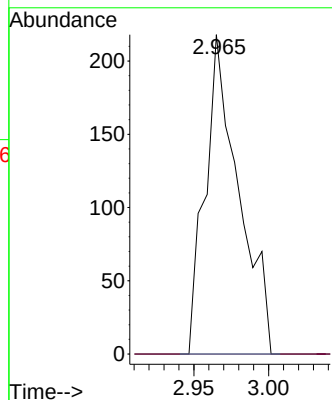
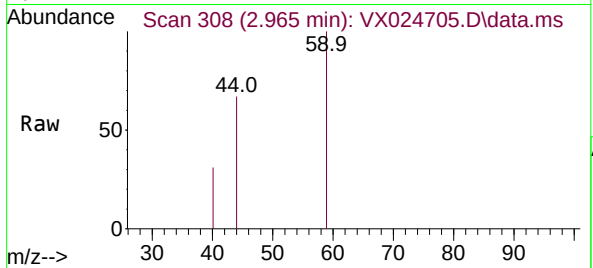




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

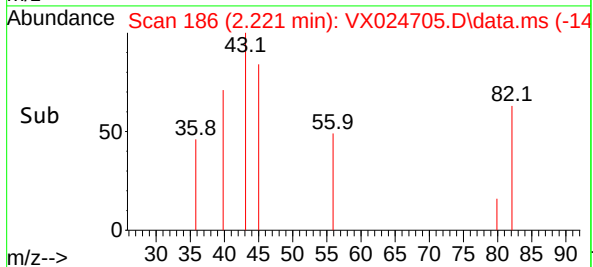
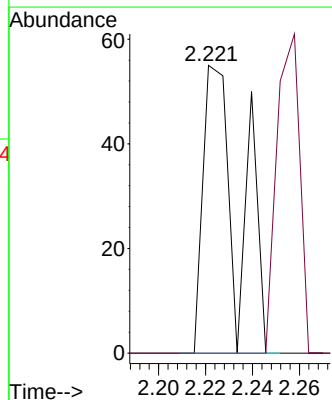
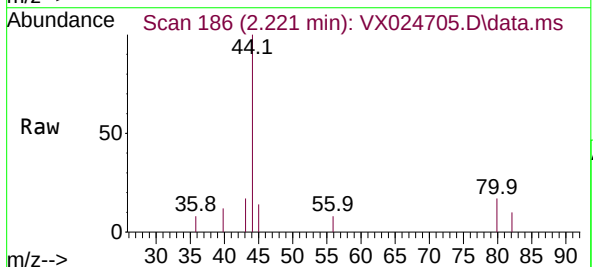
Instrument :
MSVOA_X
ClientSampled :

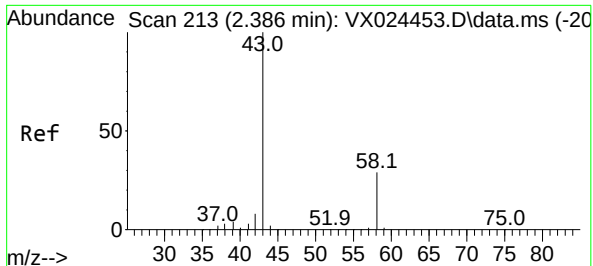
Tgt Ion: 59 Resp: 339
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 10.595 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

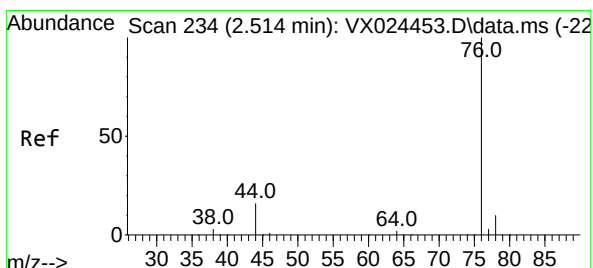
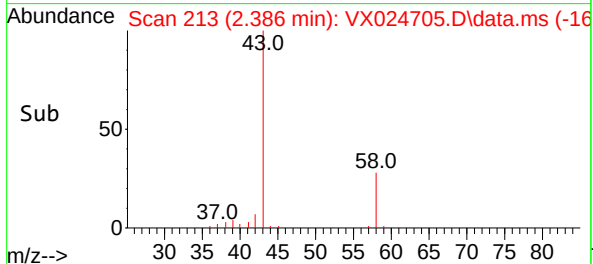
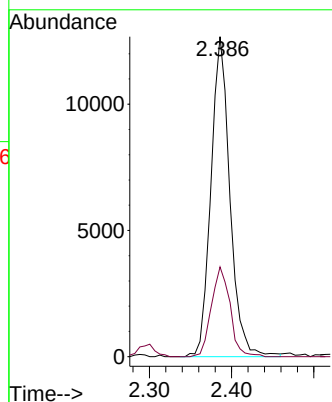
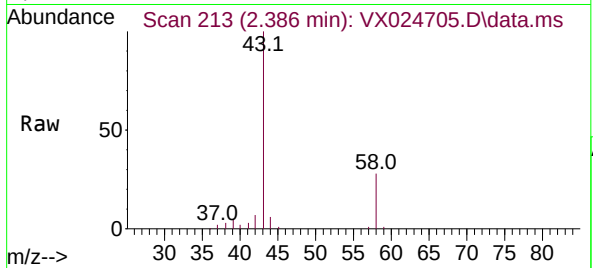




#16
Acetone
Concen: 15.689 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

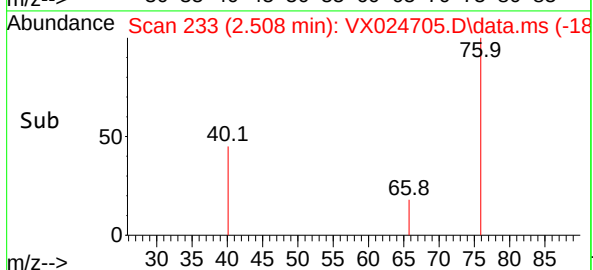
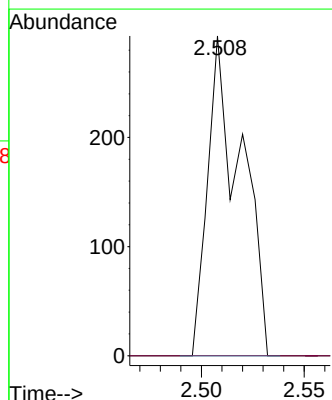
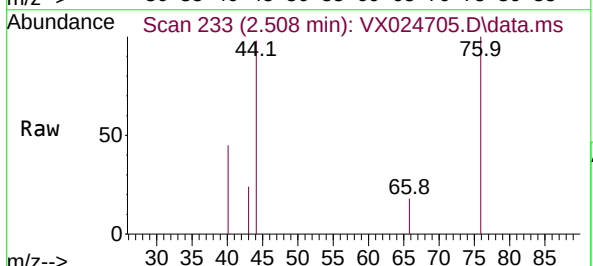
Instrument :
MSVOA_X
ClientSampled :

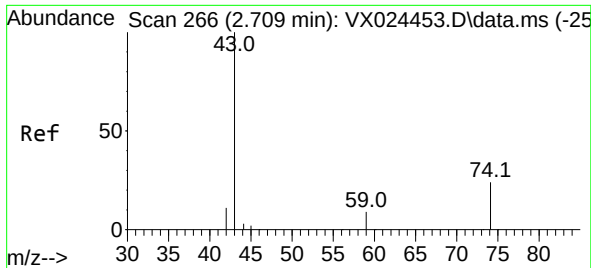
Tgt Ion: 43 Resp: 20348
Ion Ratio Lower Upper
43 100
58 28.1 27.8 41.8



#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 76 Resp: 332
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

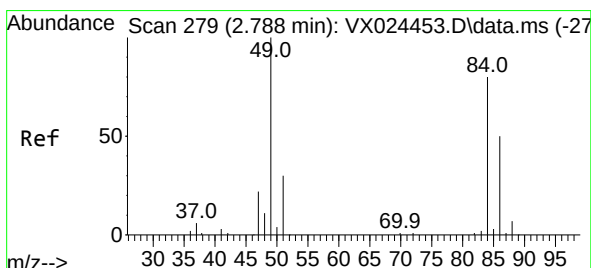
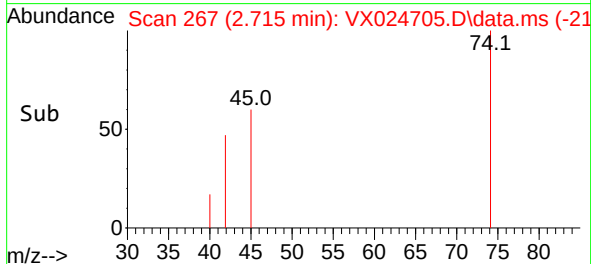
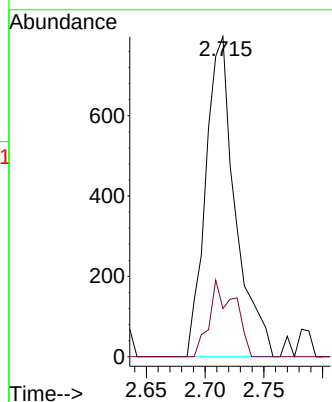
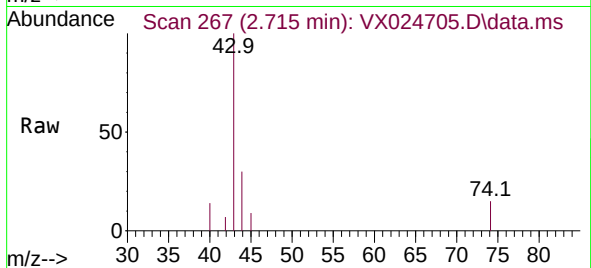




#18
Methyl Acetate
Concen: 0.485 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

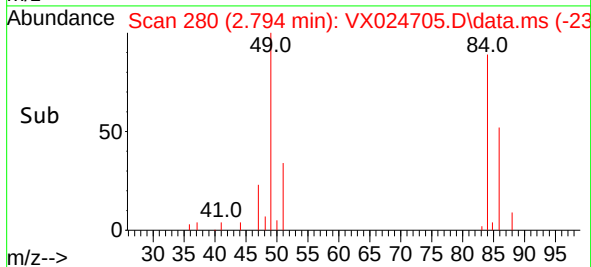
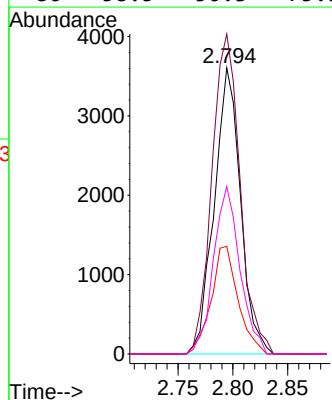
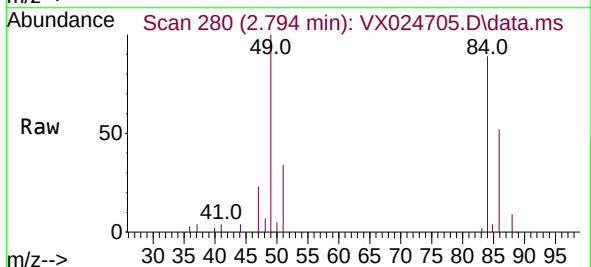
Instrument :
MSVOA_X
ClientSampled :

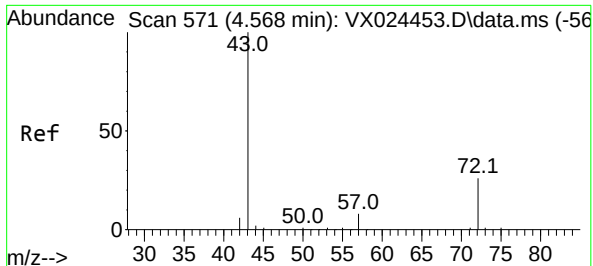
Tgt Ion: 43 Resp: 1391
Ion Ratio Lower Upper
43 100
74 20.5 21.9 32.9#



#20
Methylene Chloride
Concen: 3.118 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 84 Resp: 6003
Ion Ratio Lower Upper
84 100
49 111.9 88.6 132.8
51 37.6 27.0 40.6
86 58.5 50.3 75.5





#25

2-Butanone

Concen: 2.652 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX024705.D

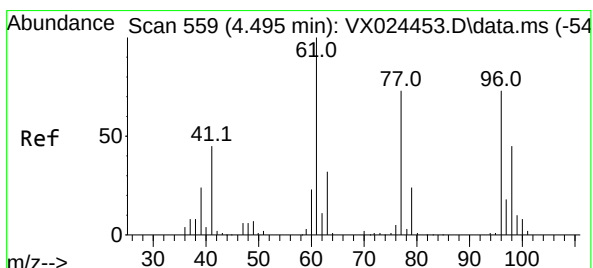
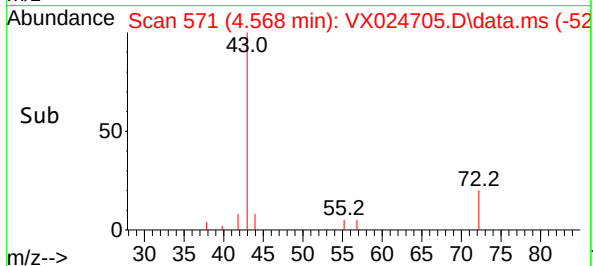
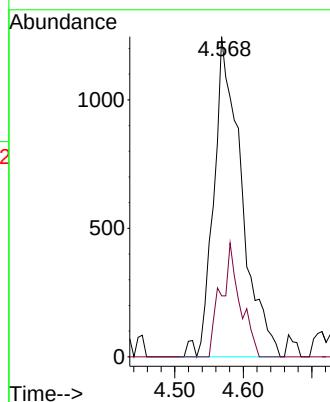
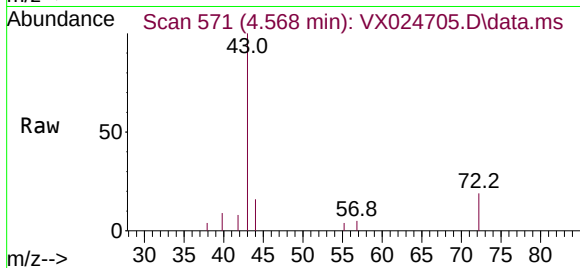
Acq: 09 Oct 2021 06:04

Tgt Ion: 43 Resp: 3496

Ion Ratio Lower Upper

43 100

72 19.0 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 1.438 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX024705.D

Acq: 09 Oct 2021 06:04

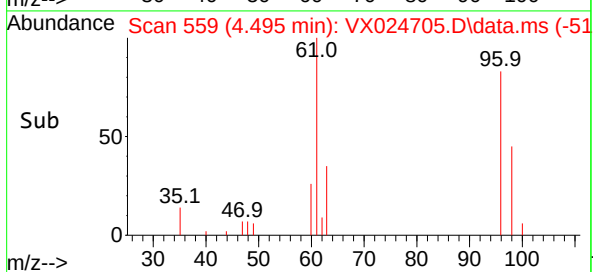
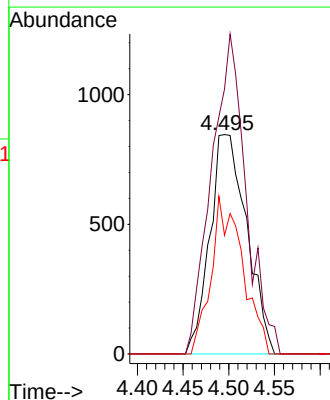
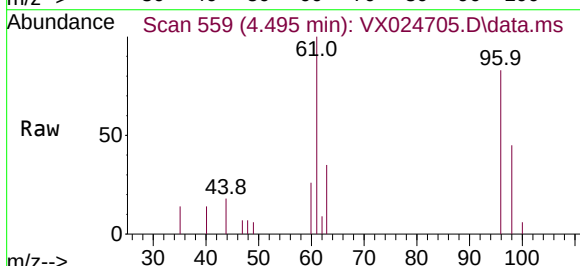
Tgt Ion: 96 Resp: 2376

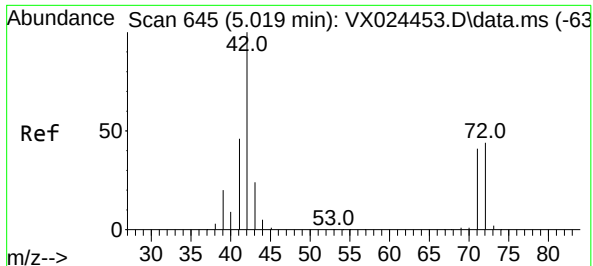
Ion Ratio Lower Upper

96 100

61 136.7 0.0 285.6

98 61.1 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.567 ug/l

RT: 5.038 min Scan# 648

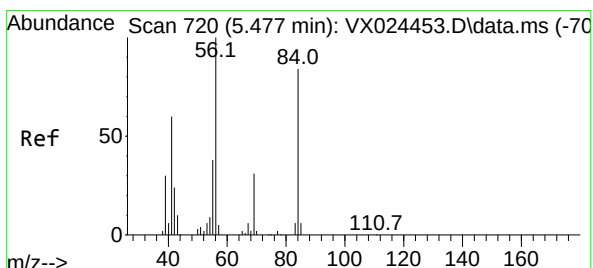
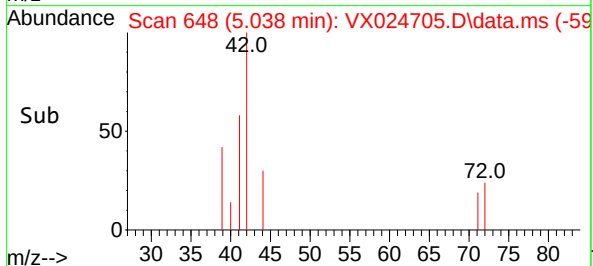
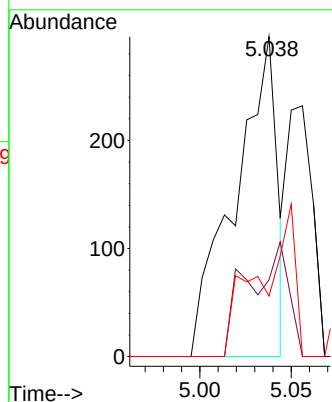
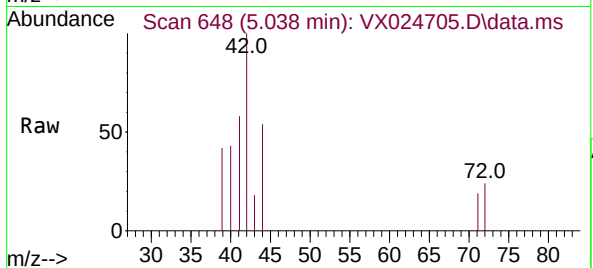
Delta R.T. 0.019 min

Lab File: VX024705.D

Acq: 09 Oct 2021 06:04

Tgt Ion:	42	Resp:	476
Ion	Ratio	Lower	Upper
42	100		
72	17.6	41.7	62.5#
71	39.1	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.228 ug/l

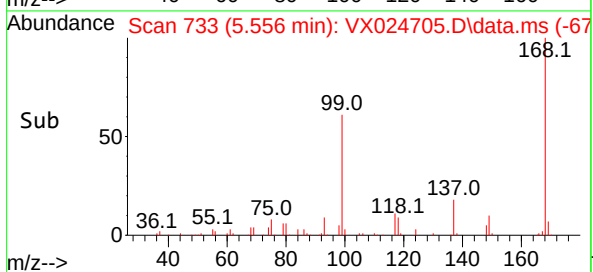
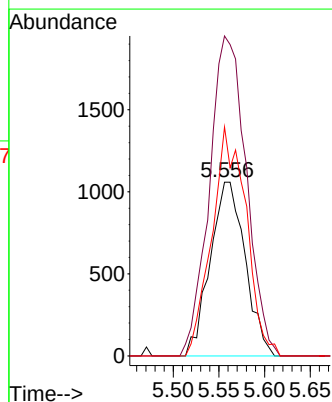
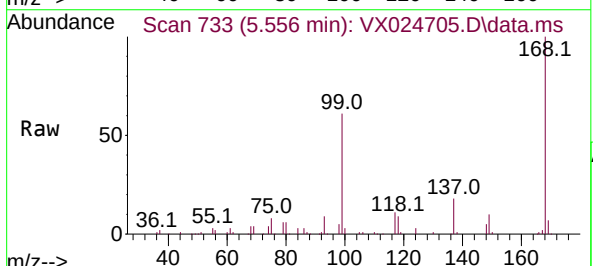
RT: 5.556 min Scan# 733

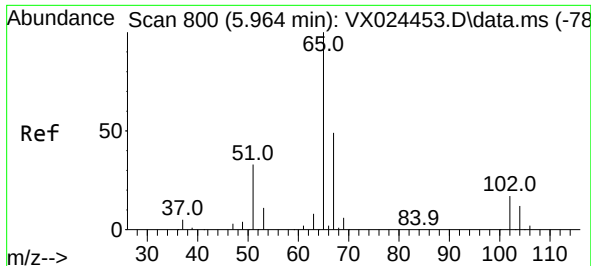
Delta R.T. 0.079 min

Lab File: VX024705.D

Acq: 09 Oct 2021 06:04

Tgt Ion:	56	Resp:	2814
Ion	Ratio	Lower	Upper
56	100		
69	184.1	25.3	37.9#
84	131.7	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 53.382 ug/l

RT: 5.965 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024705.D

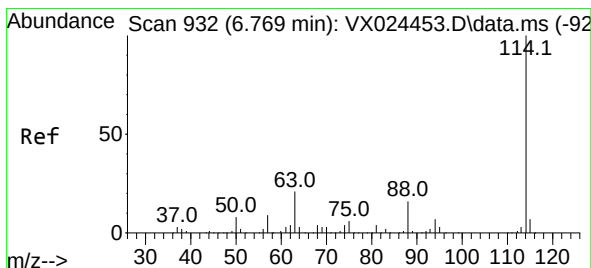
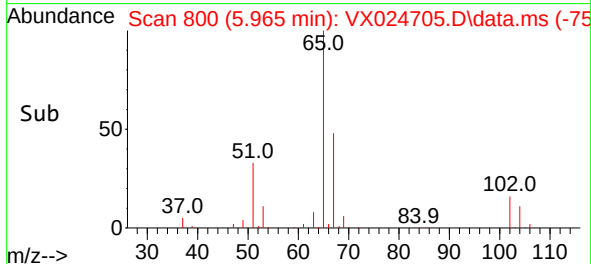
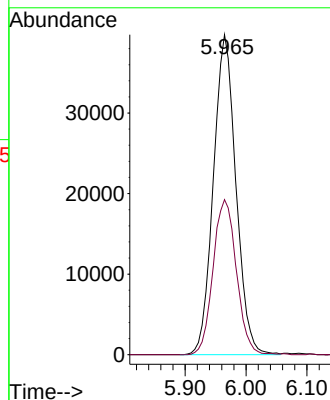
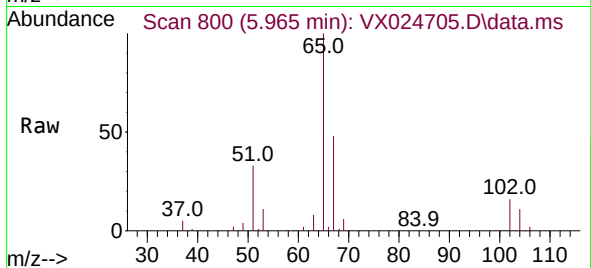
Acq: 09 Oct 2021 06:04

Tgt Ion: 65 Resp: 102185

Ion Ratio Lower Upper

65 100

67 50.1 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: VX024705.D

Acq: 09 Oct 2021 06:04

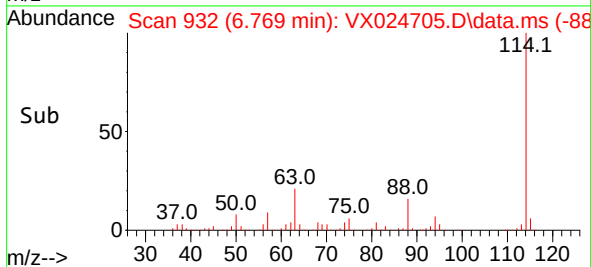
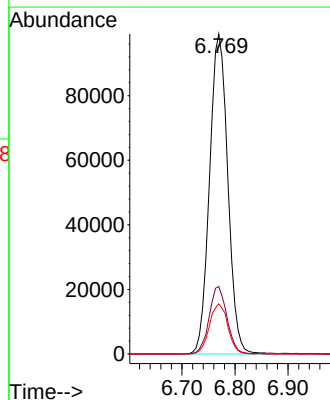
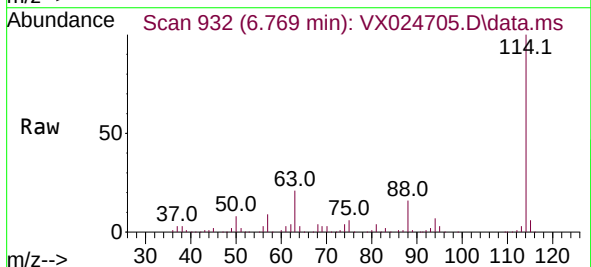
Tgt Ion: 114 Resp: 237105

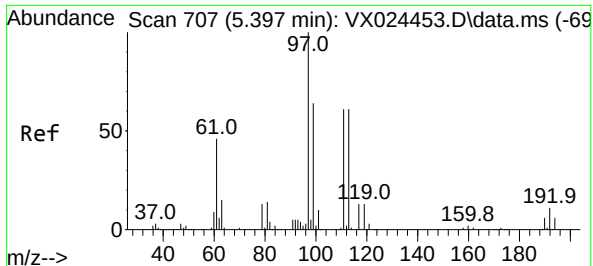
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.7 0.0 32.8

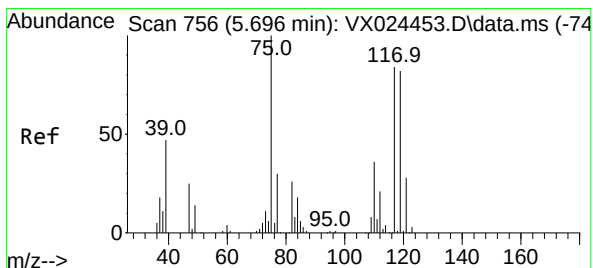
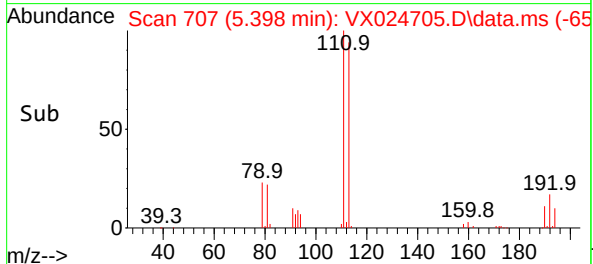
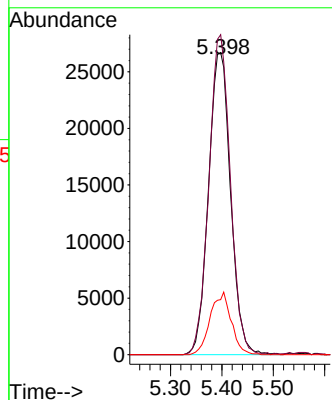
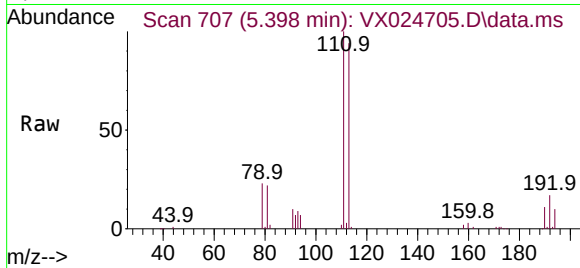




#35
Dibromofluoromethane
Concen: 50.531 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.001 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

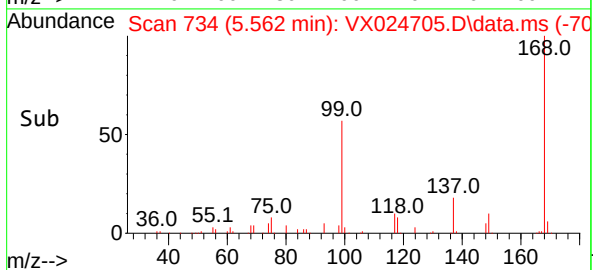
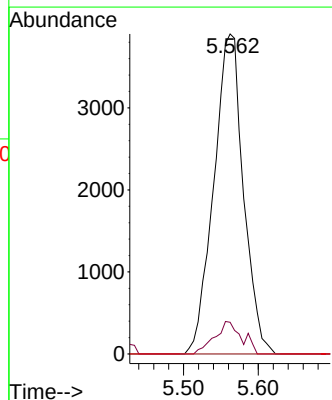
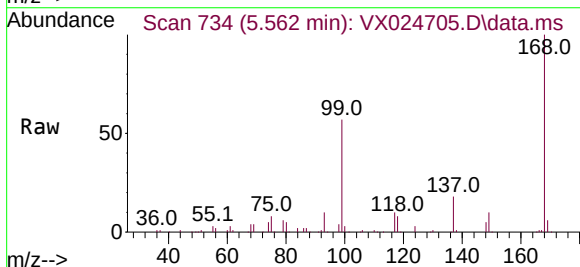
Instrument :
MSVOA_X
ClientSampled :

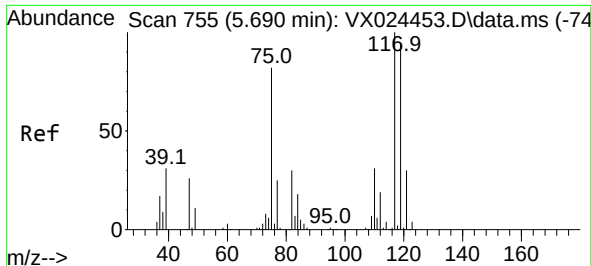
Tgt Ion:113 Resp: 79593
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 19.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

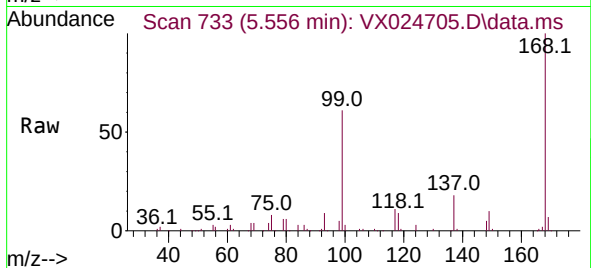
Tgt Ion: 75 Resp: 10774
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



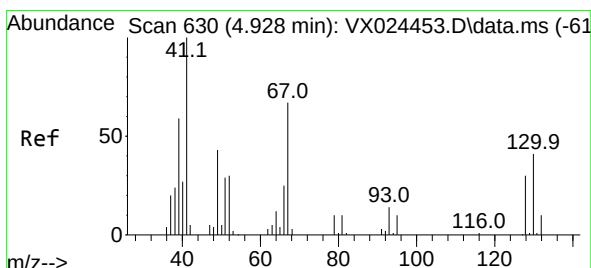
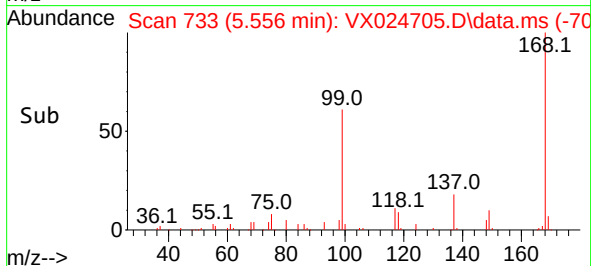
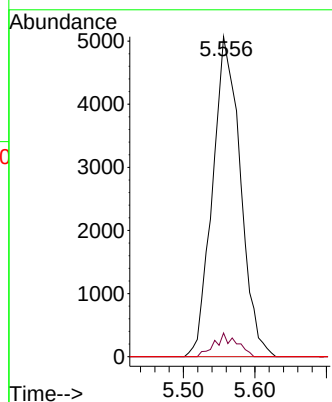


#38
Carbon Tetrachloride
Concen: 5.538 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Instrument :
MSVOA_X
ClientSampled :

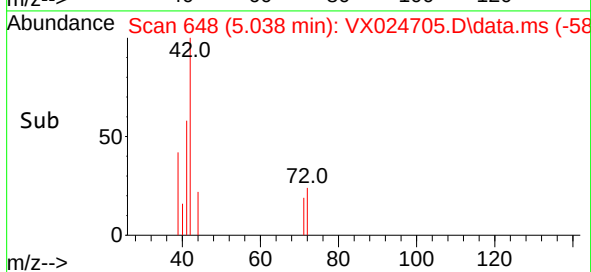
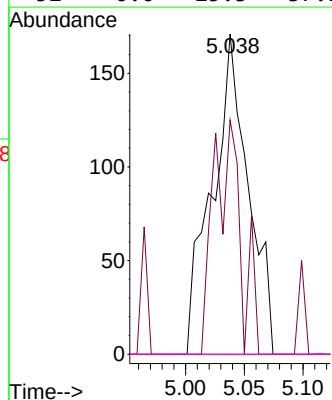
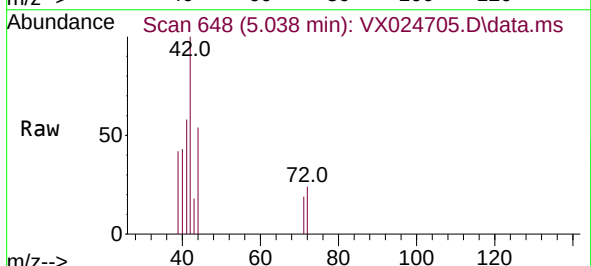


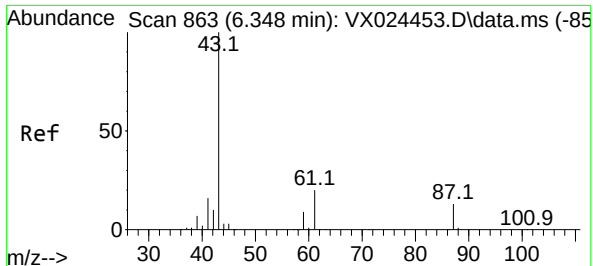
Tgt Ion:117 Resp: 13703
Ion Ratio Lower Upper
117 100
119 7.4 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.250 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 41 Resp: 367
Ion Ratio Lower Upper
41 100
39 54.8 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

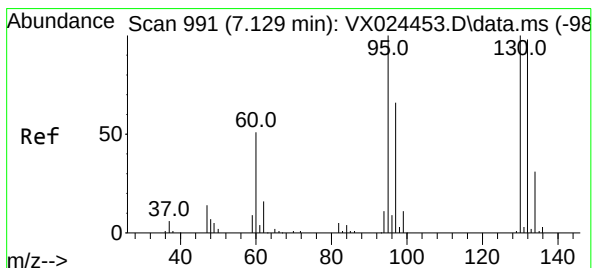
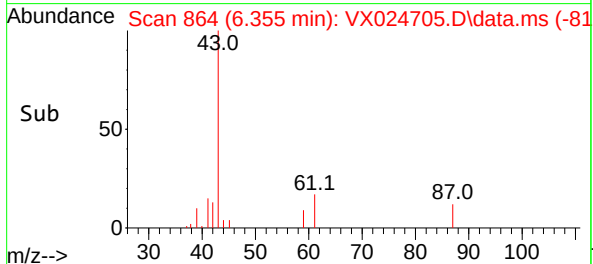
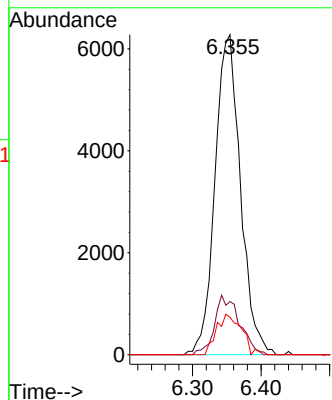
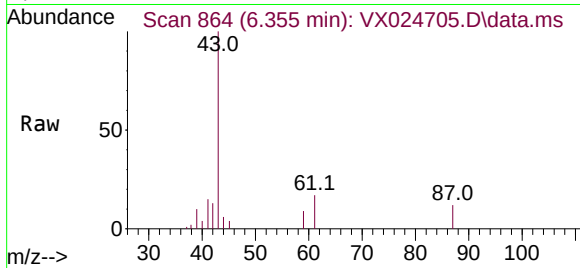




#43
Isopropyl Acetate
Concen: 3.755 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

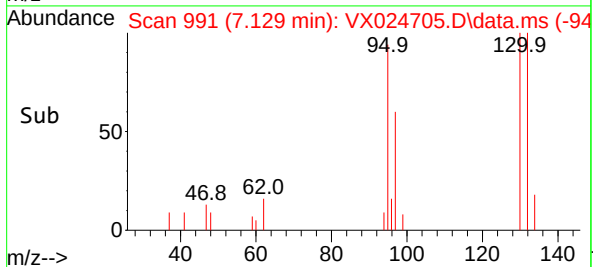
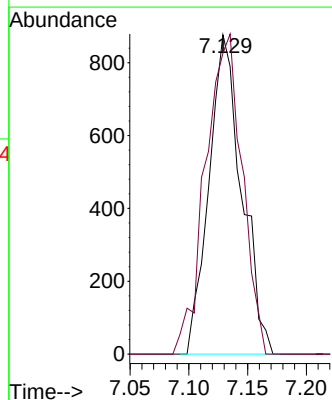
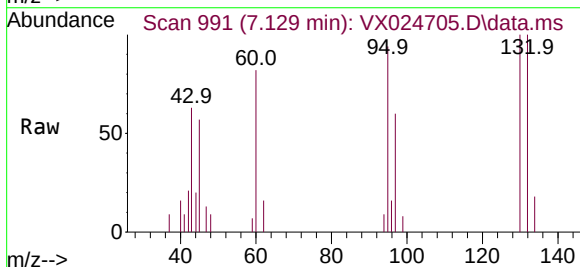
Instrument :
MSVOA_X
ClientSampled :

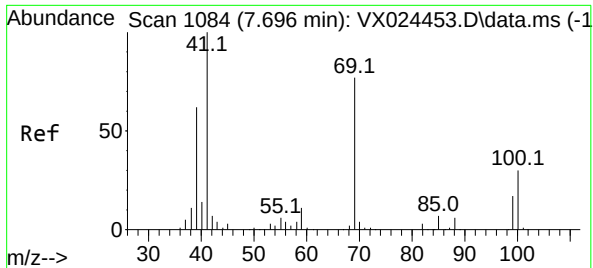
Tgt Ion: 43 Resp: 16202
Ion Ratio Lower Upper
43 100
61 18.2 18.2 27.4#
87 12.4 12.5 18.7#



#44
Trichloroethene
Concen: 0.950 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion:130 Resp: 1698
Ion Ratio Lower Upper
130 100
95 94.2 0.0 198.0

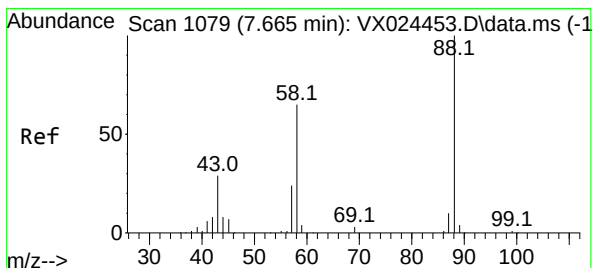
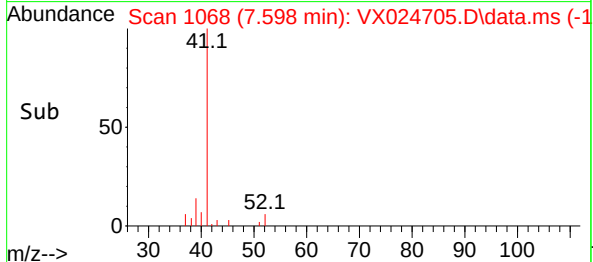
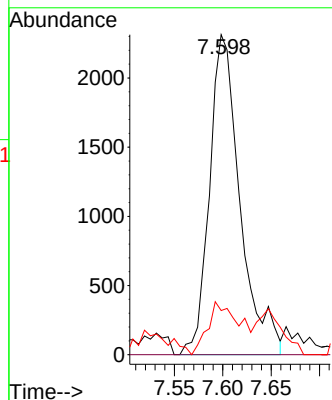
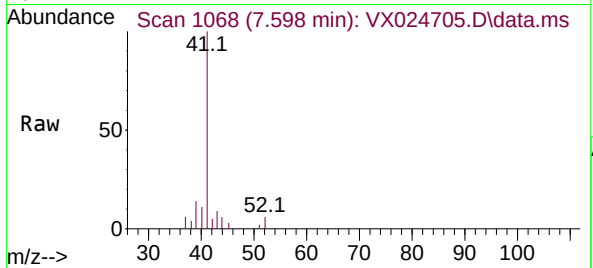




#48
Methyl methacrylate
Concen: 2.384 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

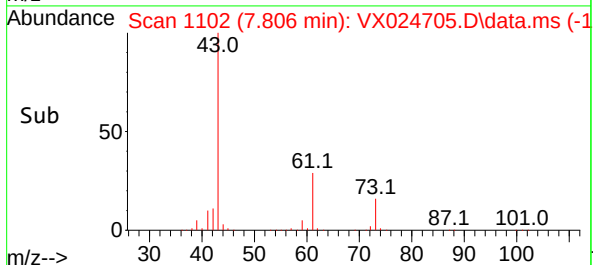
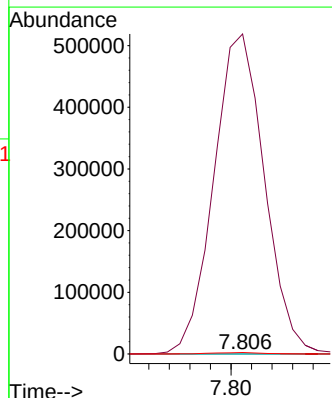
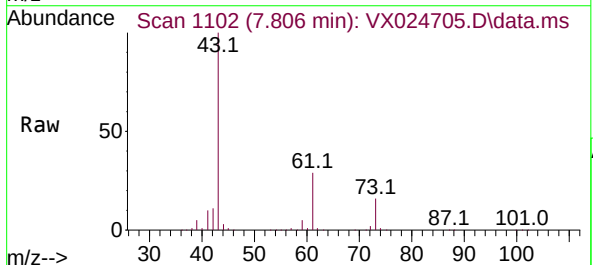
Instrument :
MSVOA_X
ClientSampled :

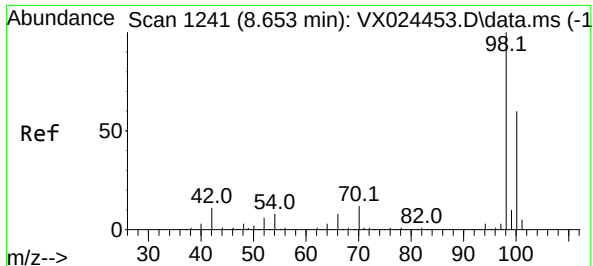
Tgt Ion: 41 Resp: 5092
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.454 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 88 Resp: 169
Ion Ratio Lower Upper
88 100
43 529837.3 23.2 34.8#
58 2342.0 55.0 82.4#





#50

Toluene-d8

Concen: 51.317 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX024705.D

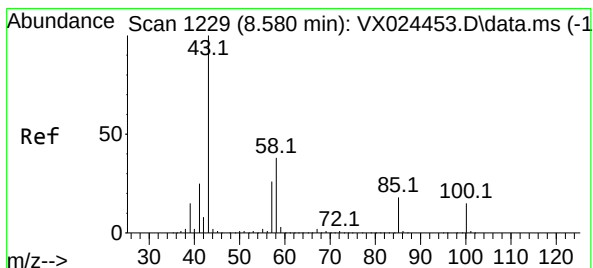
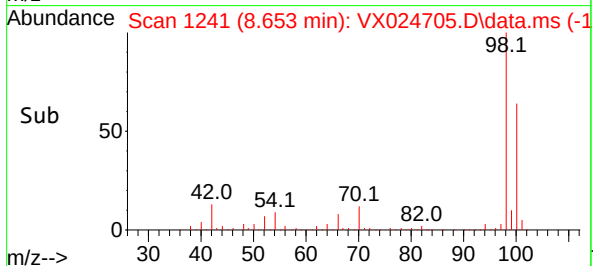
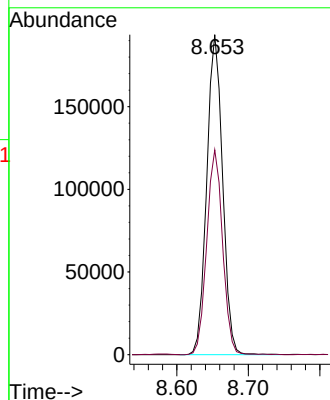
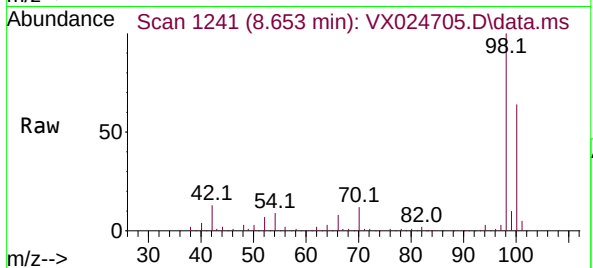
Acq: 09 Oct 2021 06:04

Tgt Ion: 98 Resp: 297506

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 20.867 ug/l

RT: 8.556 min Scan# 1225

Delta R.T. -0.024 min

Lab File: VX024705.D

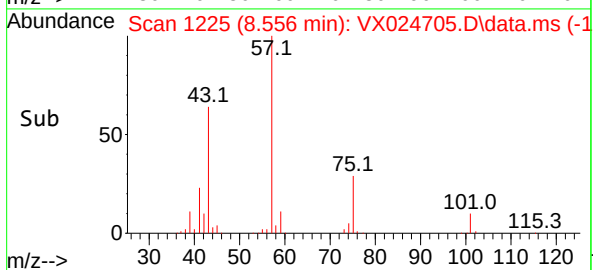
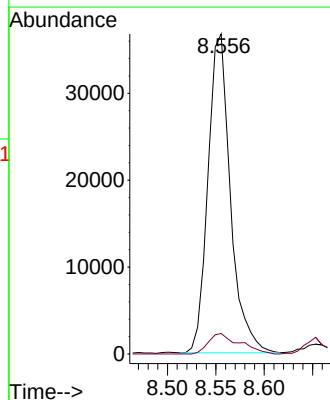
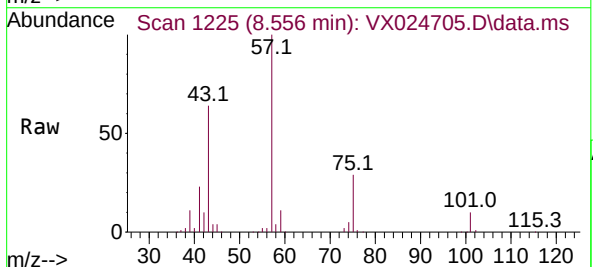
Acq: 09 Oct 2021 06:04

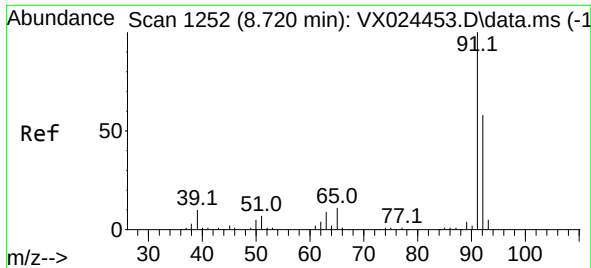
Tgt Ion: 43 Resp: 59435

Ion Ratio Lower Upper

43 100

58 8.9 35.4 53.0#

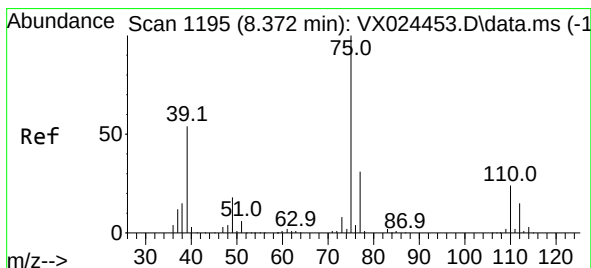
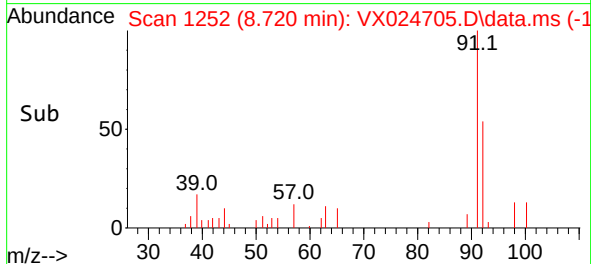
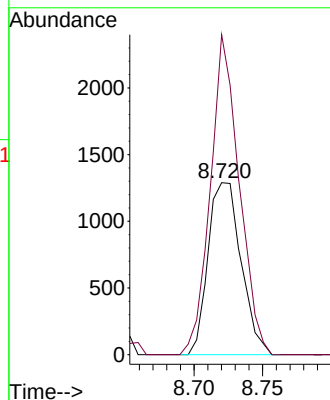
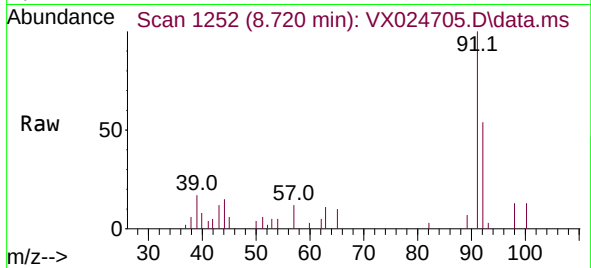




#52
Toluene
Concen: 0.515 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

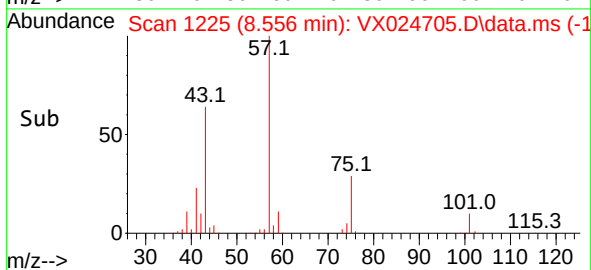
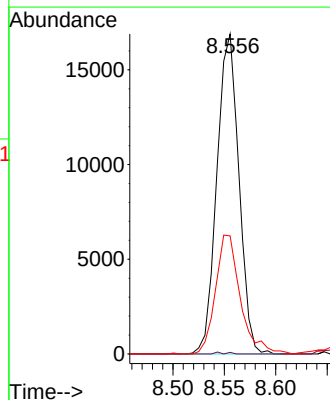
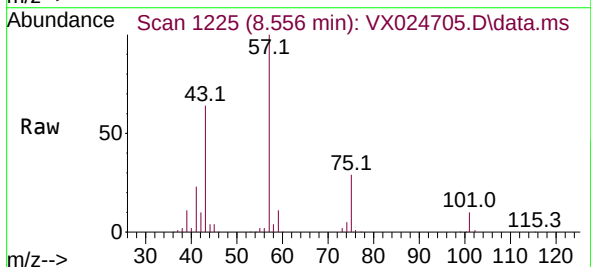
Instrument :
MSVOA_X
ClientSampled :

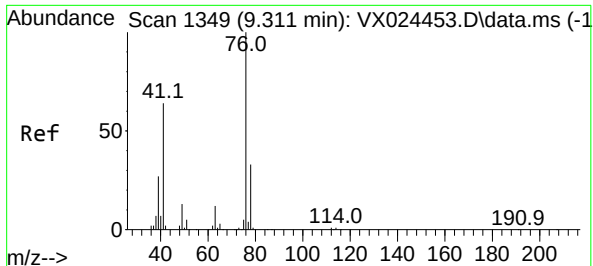
Tgt Ion: 92 Resp: 2162
Ion Ratio Lower Upper
92 100
91 162.2 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 9.453 ug/l
RT: 8.556 min Scan# 1225
Delta R.T. 0.184 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 75 Resp: 25105
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 36.9 35.1 52.7



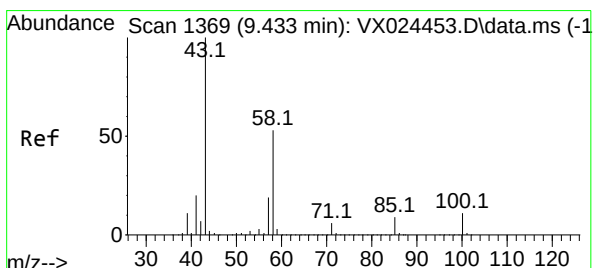
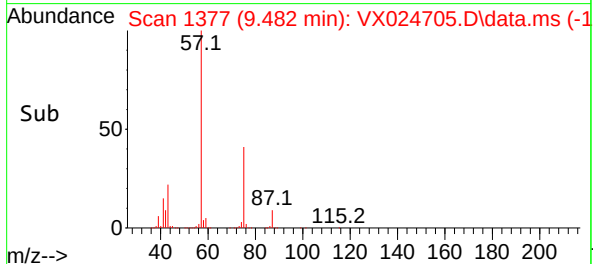
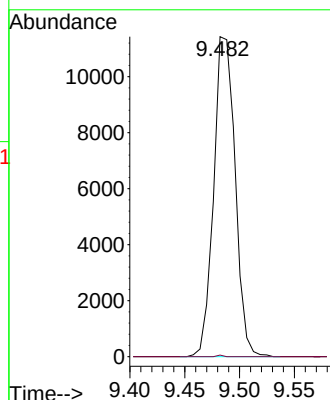
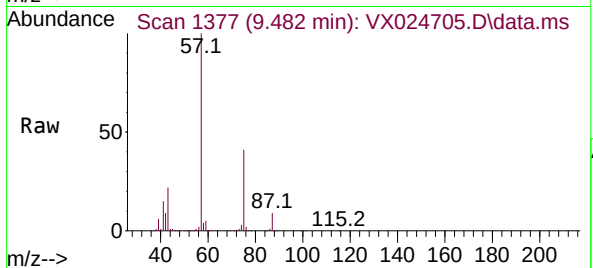


#57

1,3-Dichloropropane
Concen: 5.319 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Instrument :
MSVOA_X
ClientSampled :

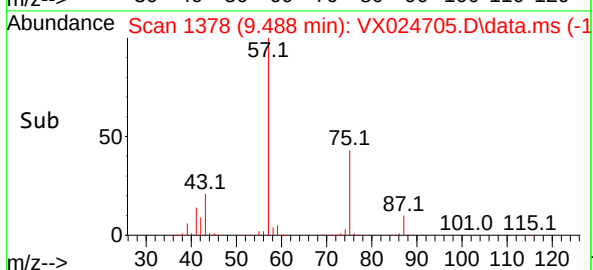
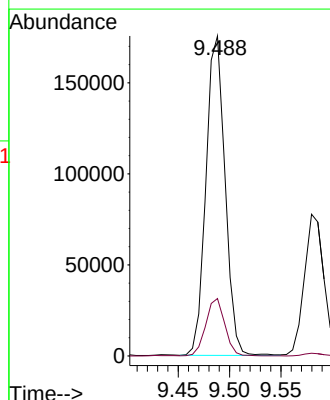
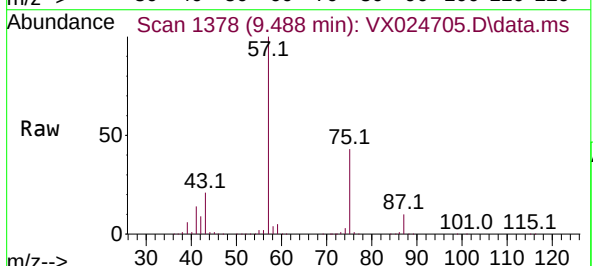
Tgt Ion: 76 Resp: 15580
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

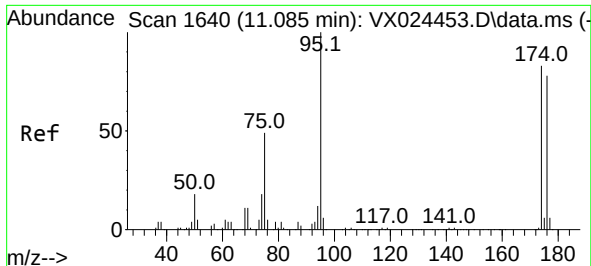


#59

2-Hexanone
Concen: 101.274 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 43 Resp: 227163
Ion Ratio Lower Upper
43 100
58 17.9 30.9 92.8#

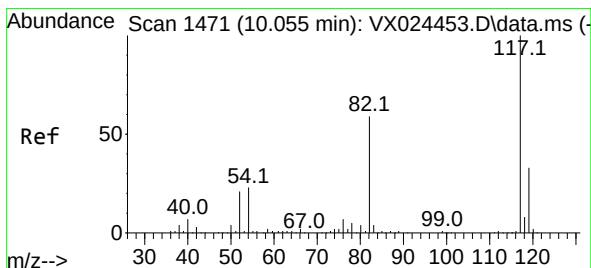
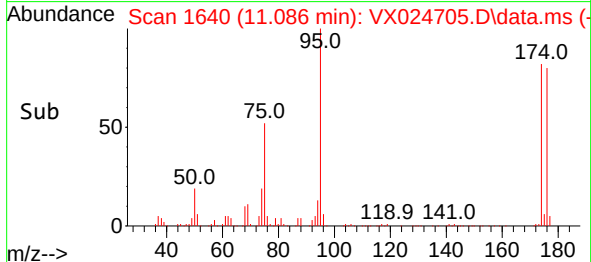
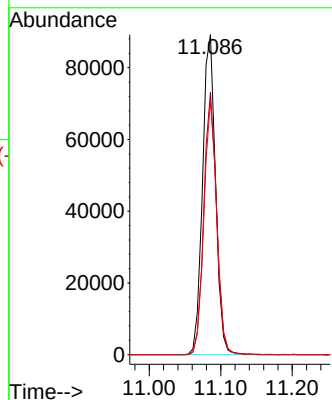
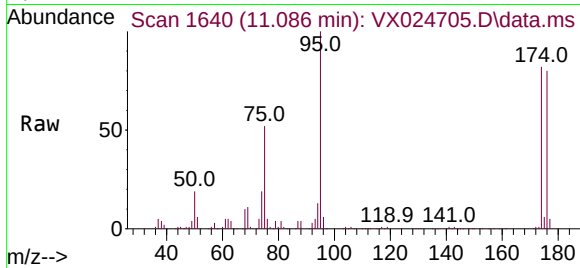




#62
4-Bromofluorobenzene
Concen: 49.265 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

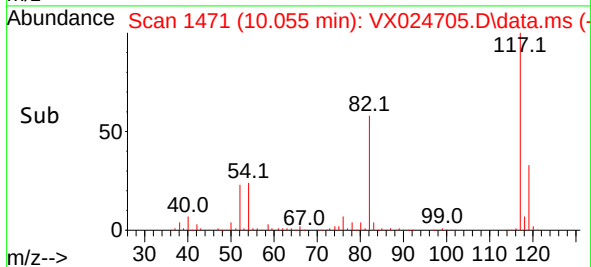
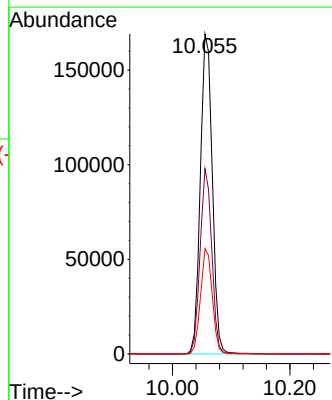
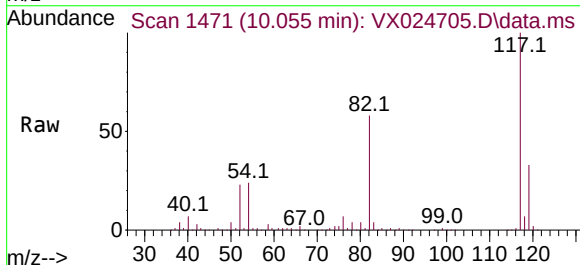
Instrument :
MSVOA_X
ClientSampleId :

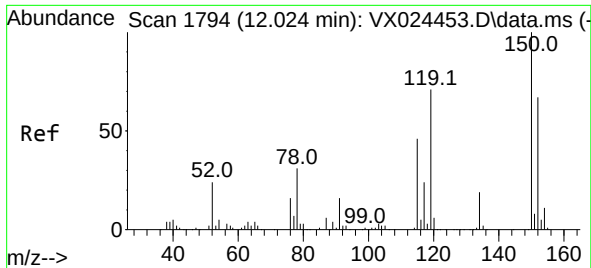
Tgt Ion: 95 Resp: 112296
Ion Ratio Lower Upper
95 100
174 81.2 0.0 154.6
176 78.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024705.D
Acq: 09 Oct 2021 06:04

Tgt Ion: 117 Resp: 238648
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.9 26.6 39.8

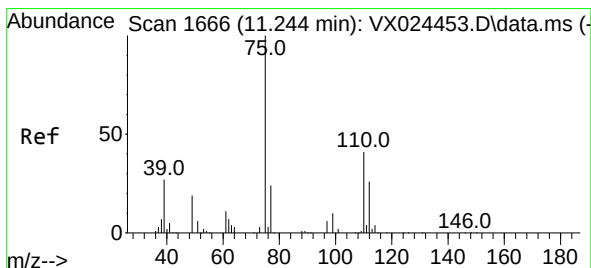
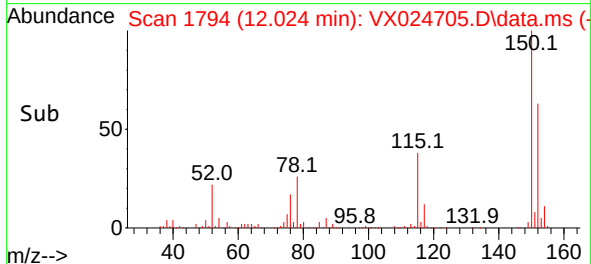
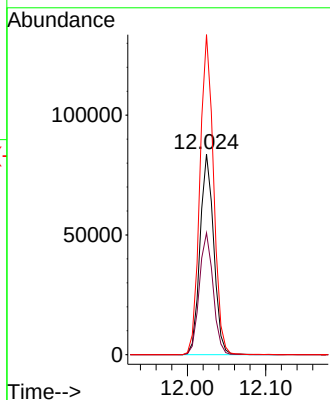
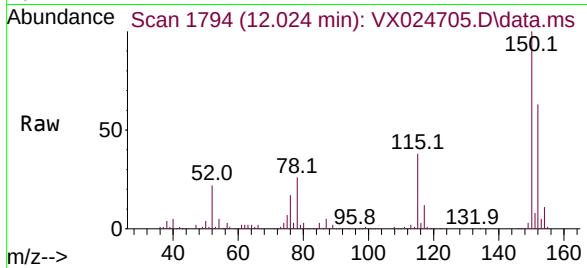




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024705.D
 Acq: 09 Oct 2021 06:04

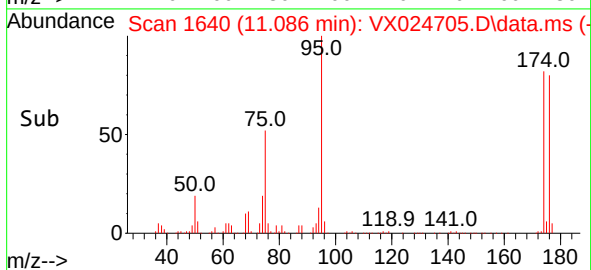
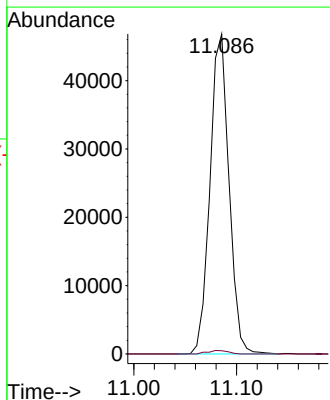
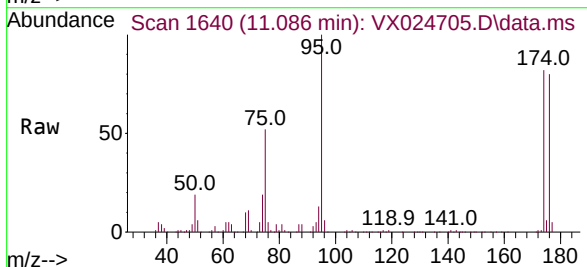
Instrument :
 MSVOA_X
 ClientSampled :

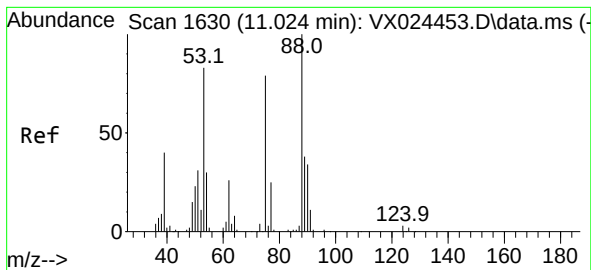
Tgt Ion:152 Resp: 101562
 Ion Ratio Lower Upper
 152 100
 115 61.2 41.1 123.3
 150 159.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.100 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX024705.D
 Acq: 09 Oct 2021 06:04

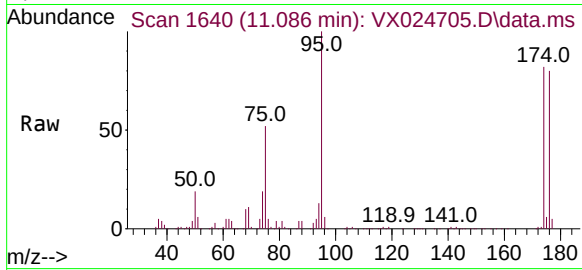
Tgt Ion: 75 Resp: 60197
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.088 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. 0.062 min
 Lab File: VX024705.D
 Acq: 09 Oct 2021 06:04

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 60197
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

