

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023047.D
 Acq On : 30 Jun 2021 20:26
 Operator : JC/MD
 Sample : M2898-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

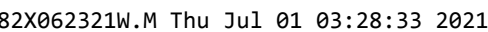
Quant Time: Jul 01 03:28:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

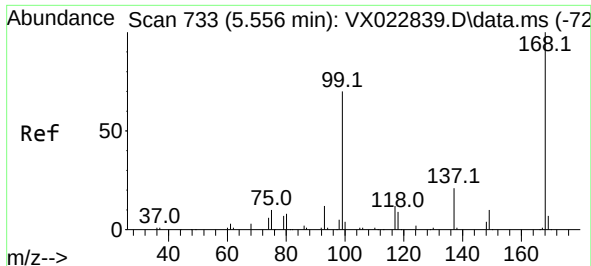
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	56169	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	114958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52002	51.015	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	102.020%	
35) Dibromofluoromethane	5.391	113	35141	48.138	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	96.280%	
50) Toluene-d8	8.653	98	142028	49.642	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	99.280%	
62) 4-Bromofluorobenzene	11.085	95	48324	45.257	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	90.520%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	193	0.222	ug/l	# 78
4) Vinyl Chloride	1.374	62	344	0.428	ug/l	# 31
6) Chloroethane	1.660	64	450	0.907	ug/l	# 43
11) Tert butyl alcohol	2.977	59	52	0.245	ug/l	# 73
12) 1,1-Dichloroethene	2.325	96	17228	23.642	ug/l	81
14) Allyl chloride	2.556	41	516	0.373	ug/l	# 48
16) Acetone	2.386	43	1553	3.437	ug/l	# 79
17) Carbon Disulfide	2.514	76	113	3.569	ug/l	# 75
20) Methylene Chloride	2.800	84	458	0.879	ug/l	# 74
21) trans-1,2-Dichloroethene	3.099	96	1327	1.642	ug/l	88
24) 1,1-Dichloroethane	3.611	63	5432	3.531	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	46408	51.726	ug/l	97
31) Cyclohexane	5.562	56	1723	1.197	ug/l	# 25
36) 1,1-Dichloropropene	5.556	75	6058	4.961	ug/l	# 49
38) Carbon Tetrachloride	5.562	117	6906	6.743	ug/l	# 15
39) Methylcyclohexane	7.129	83	507	0.356	ug/l	# 5
42) 1,2-Dichloroethane	6.092	62	4739	3.658	ug/l	93
44) Trichloroethene	7.129	130	28157	33.722	ug/l	78
49) 1,4-Dioxane	7.677	88	1074	47.407	ug/l	92
51) 4-Methyl-2-Pentanone	8.653	43	771	0.545	ug/l	# 1
76) 1,2,3-Trichloropropane	11.085	75	28667	28.195	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	28667	72.749	ug/l	# 12
95) Naphthalene	13.774	128	49	1.938	ug/l	# 69

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

Quant Time: Jul 01 03:28:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

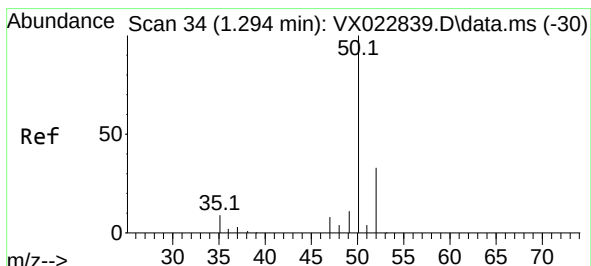
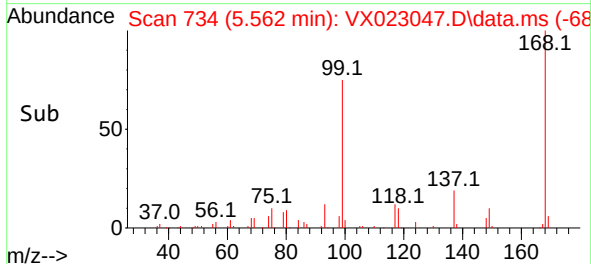
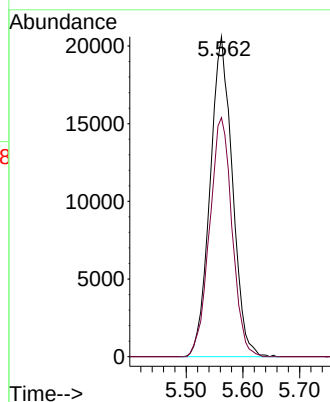
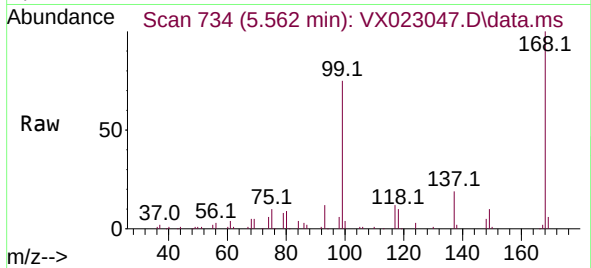




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

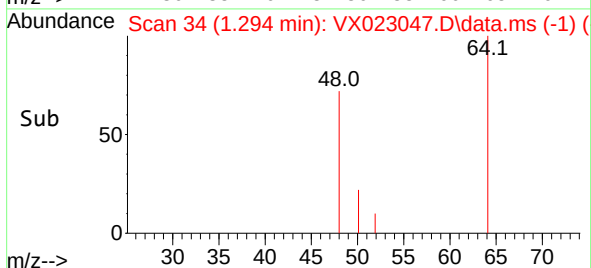
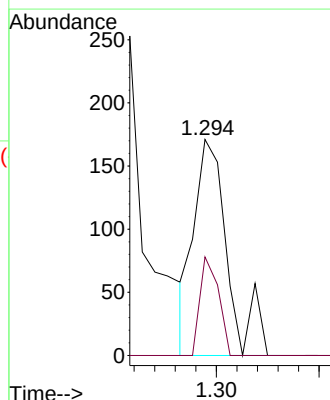
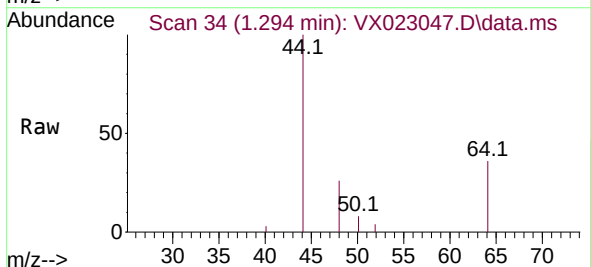
Instrument :
MSVOA_X
ClientSampled :

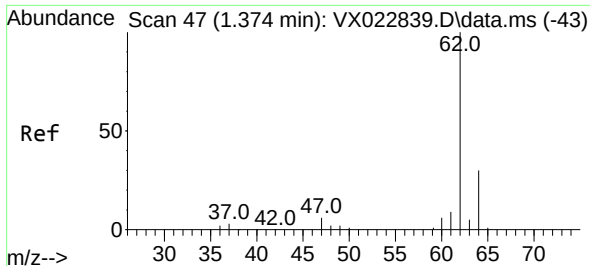
Tgt Ion:168 Resp: 56169
Ion Ratio Lower Upper
168 100
99 74.7 45.8 68.6#



#3
Chloromethane
Concen: 0.222 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 45.6 26.4 39.6#

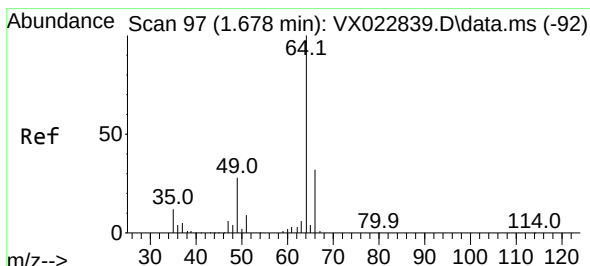
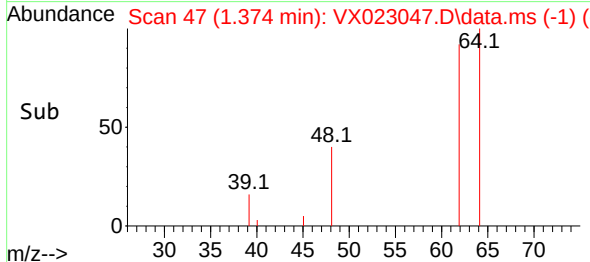
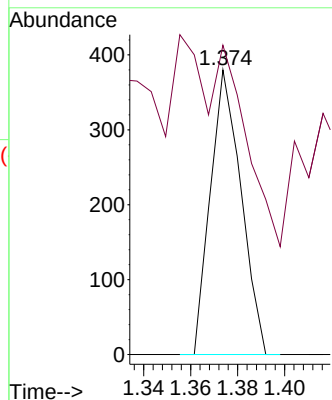
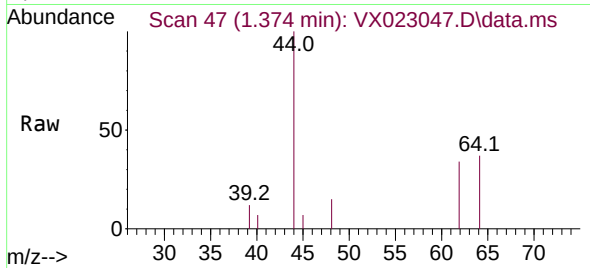




#4
 Vinyl Chloride
 Concen: 0.428 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX023047.D
 Acq: 30 Jun 2021 20:26

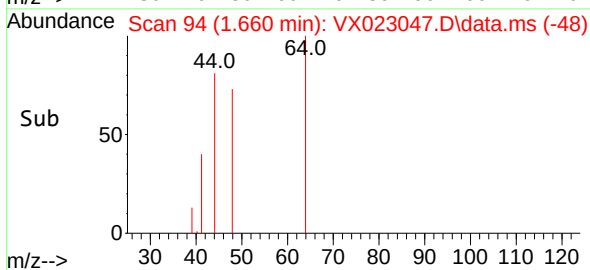
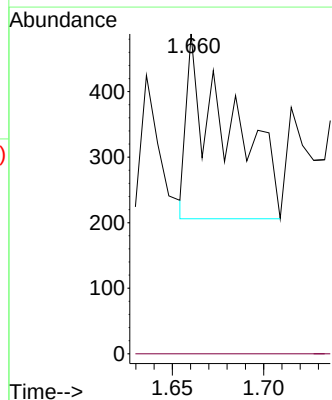
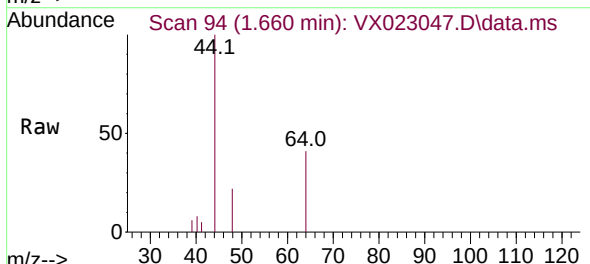
Instrument :
 MSVOA_X
 ClientSampled :

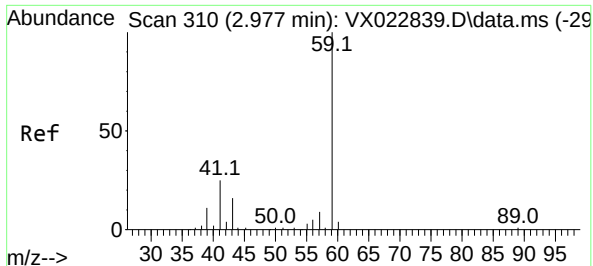
Tgt Ion: 62 Resp: 344
 Ion Ratio Lower Upper
 62 100
 64 70.8 25.7 38.5#



#6
 Chloroethane
 Concen: 0.907 ug/l
 RT: 1.660 min Scan# 94
 Delta R.T. -0.018 min
 Lab File: VX023047.D
 Acq: 30 Jun 2021 20:26

Tgt Ion: 64 Resp: 450
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.4 38.0#



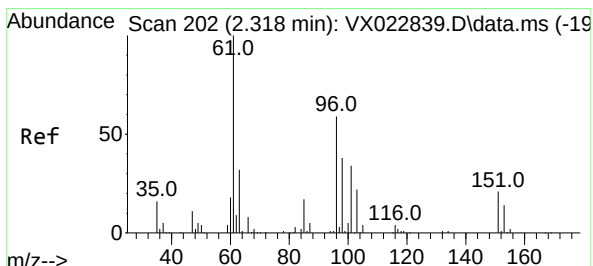
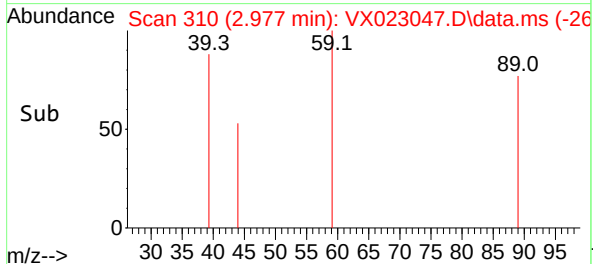
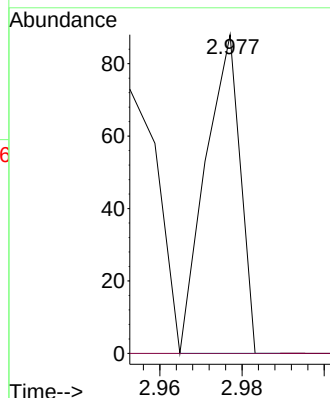
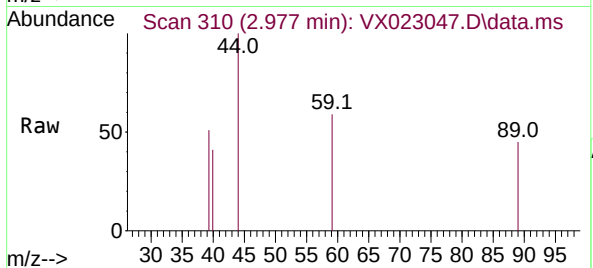


#11

Tert butyl alcohol
Concen: 0.245 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Instrument :
MSVOA_X
ClientSampled :

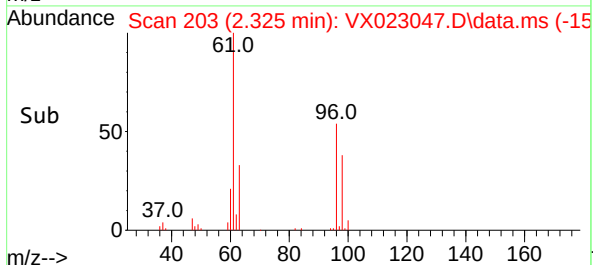
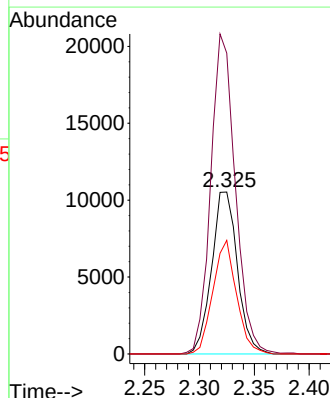
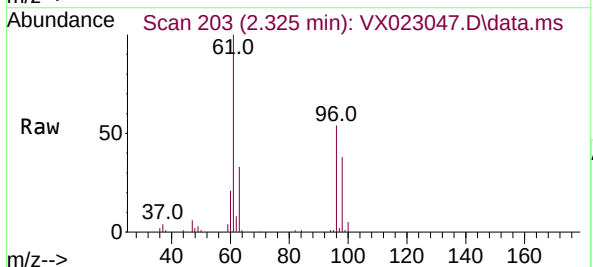
Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

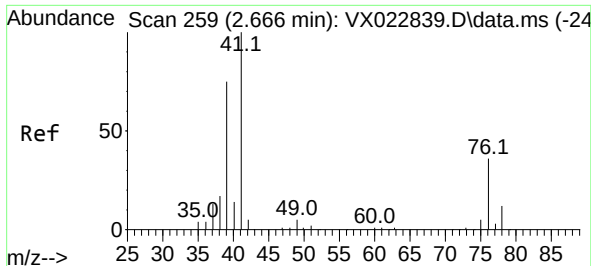


#12

1,1-Dichloroethene
Concen: 23.642 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion: 96 Resp: 17228
Ion Ratio Lower Upper
96 100
61 185.8 124.6 187.0
98 70.2 50.6 76.0





#14

Allyl chloride

Concen: 0.373 ug/l

RT: 2.556 min Scan# 241

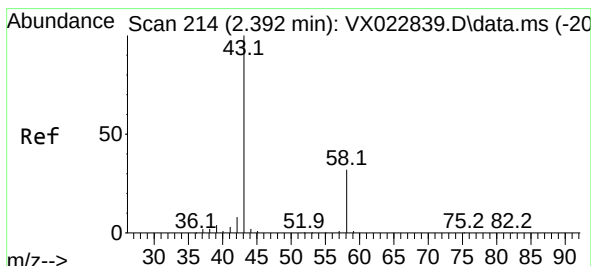
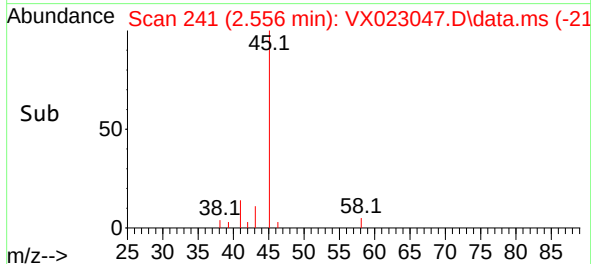
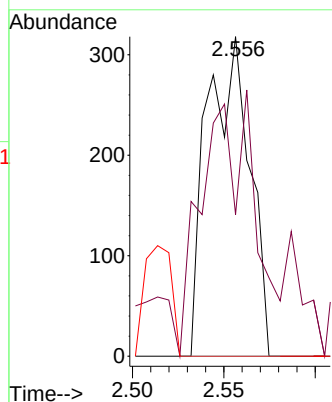
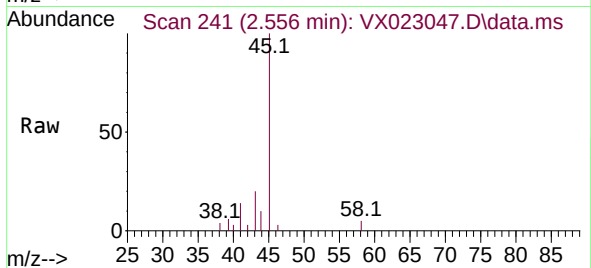
Delta R.T. -0.110 min

Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 41	Resp: 516
Ion Ratio	Lower Upper
41 100	
39 100.6	51.6 77.4#
76 0.0	30.5 45.7#



#16

Acetone

Concen: 3.437 ug/l

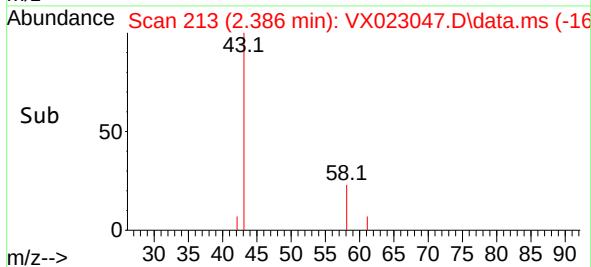
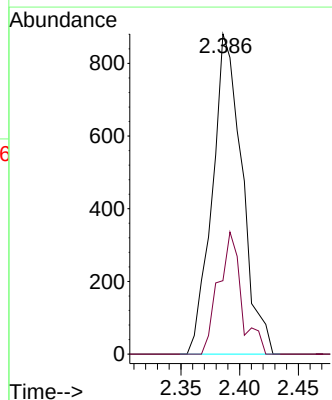
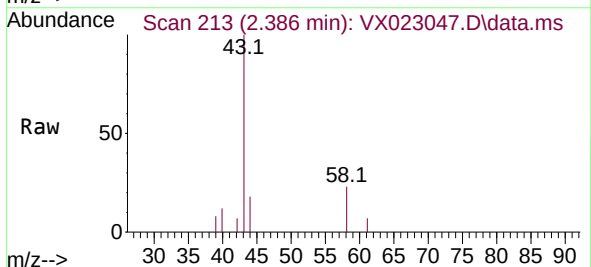
RT: 2.386 min Scan# 213

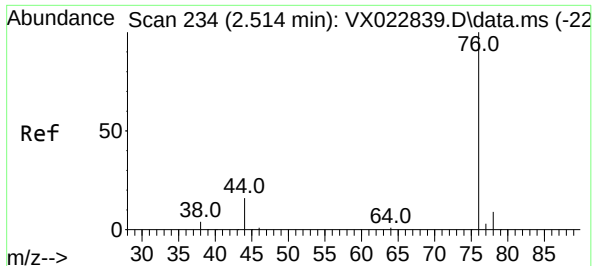
Delta R.T. -0.006 min

Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

Tgt Ion: 43	Resp: 1553
Ion Ratio	Lower Upper
43 100	
58 22.9	27.8 41.8#

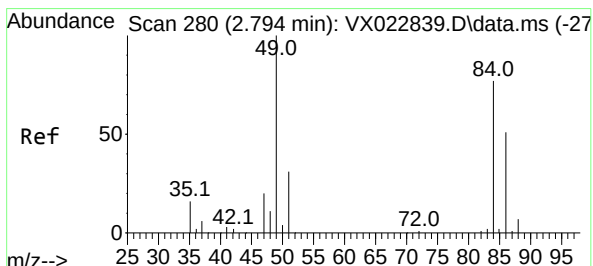
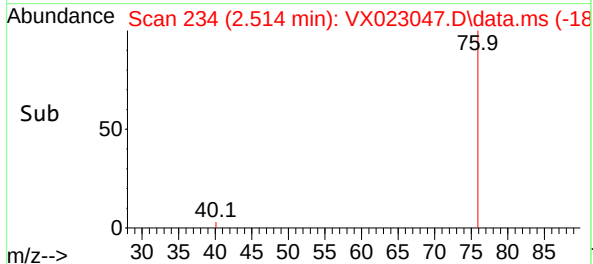
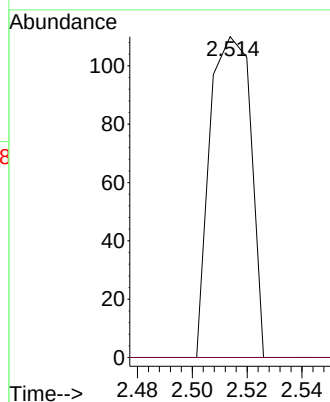
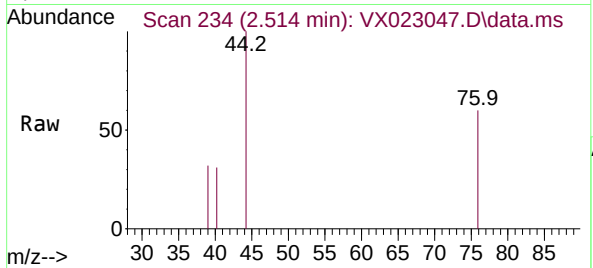




#17
Carbon Disulfide
Concen: 3.569 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

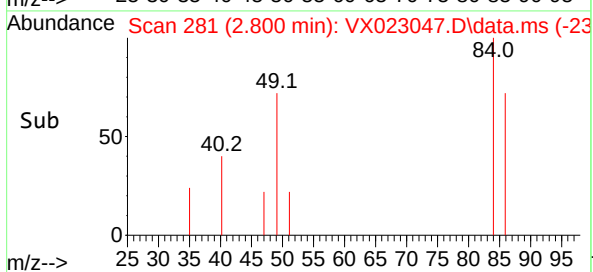
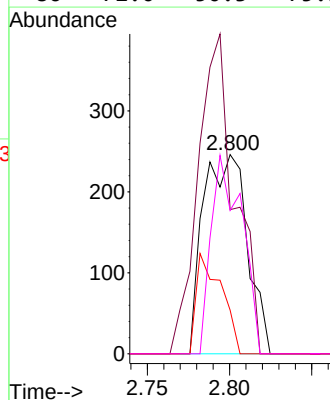
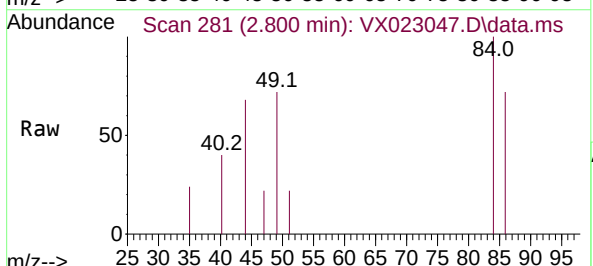
Instrument :
MSVOA_X
ClientSampled :

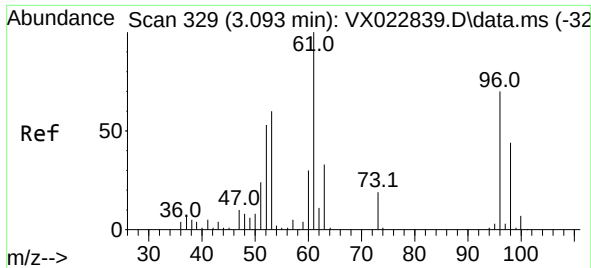
Tgt Ion: 76 Resp: 113
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.879 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion: 84 Resp: 458
Ion Ratio Lower Upper
84 100
49 72.4 88.6 132.8#
51 22.0 27.0 40.6#
86 72.0 50.3 75.5

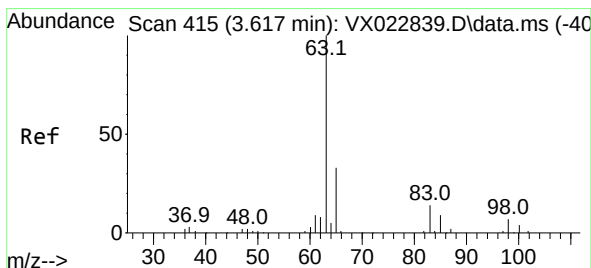
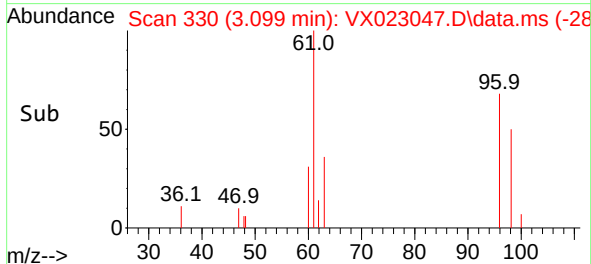
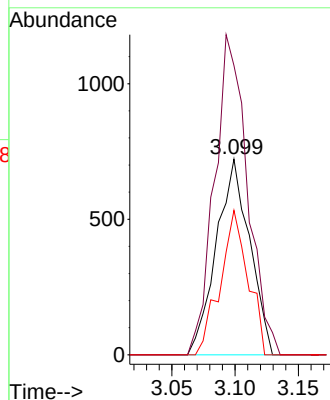
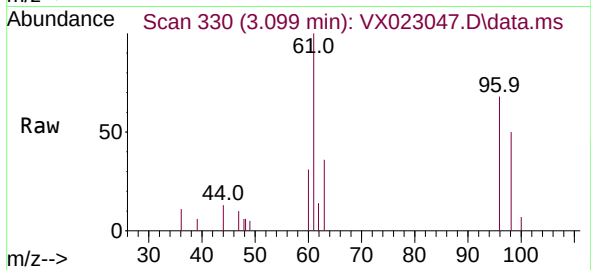




#21
trans-1,2-Dichloroethene
Concen: 1.642 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

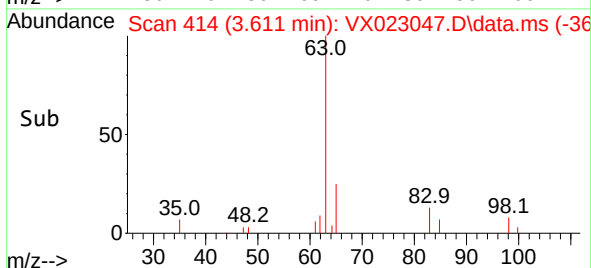
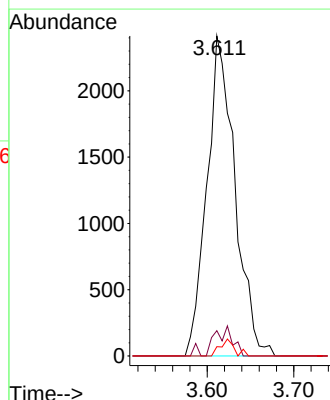
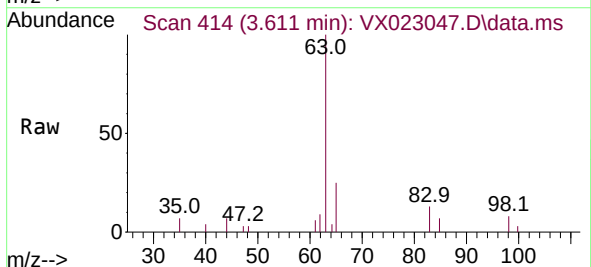
Instrument :
MSVOA_X
ClientSampled :

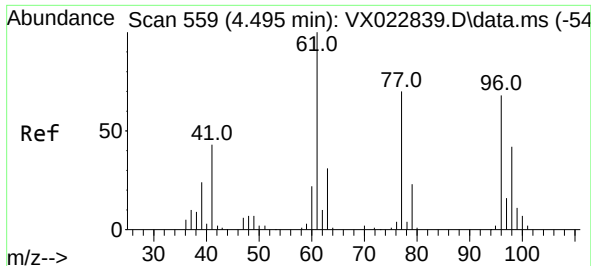
Tgt Ion: 96 Resp: 1327
Ion Ratio Lower Upper
96 100
61 147.8 107.7 161.5
98 73.8 50.4 75.6



#24
1,1-Dichloroethane
Concen: 3.531 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion: 63 Resp: 5432
Ion Ratio Lower Upper
63 100
98 7.9 3.8 11.2
100 2.9 2.5 7.5





#27

cis-1,2-Dichloroethene

Concen: 51.726 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

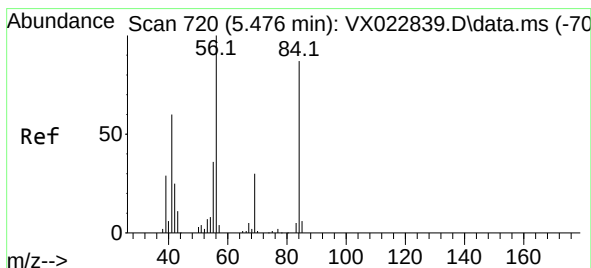
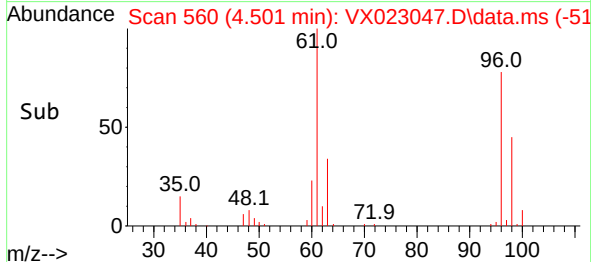
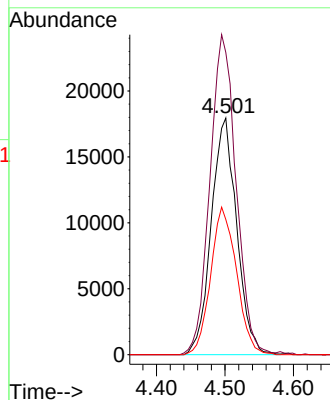
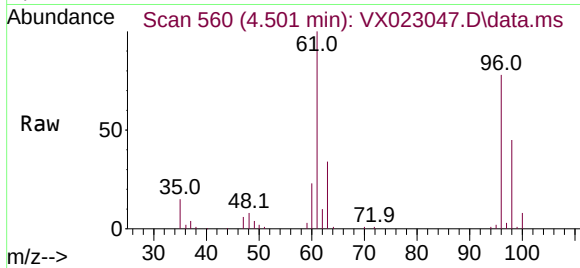
Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

Tgt Ion: 96 Resp: 46408

Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	285.6
98	63.2	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 5.562 min Scan# 734

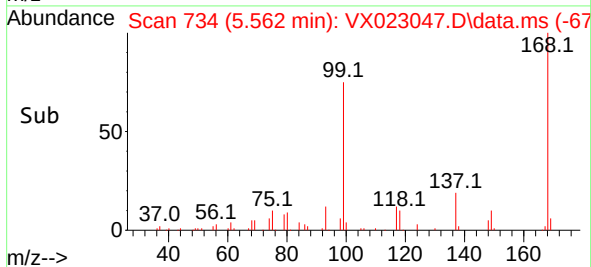
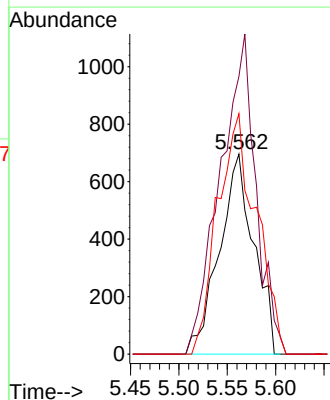
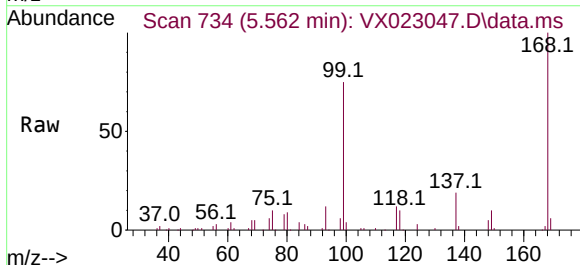
Delta R.T. 0.086 min

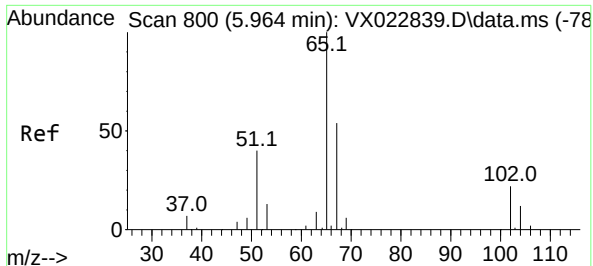
Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

Tgt Ion: 56 Resp: 1723

Ion	Ratio	Lower	Upper
56	100		
69	138.8	25.3	37.9#
84	120.3	71.4	107.0#



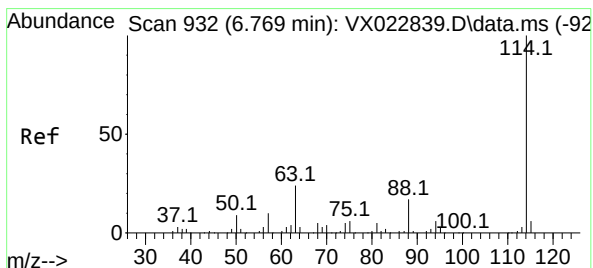
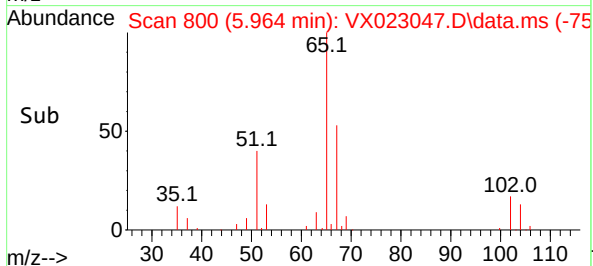
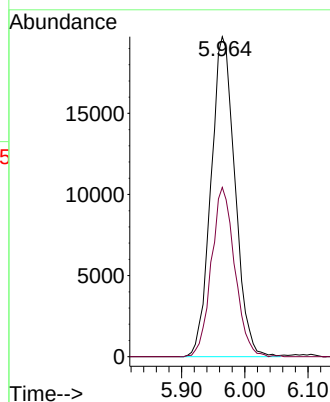
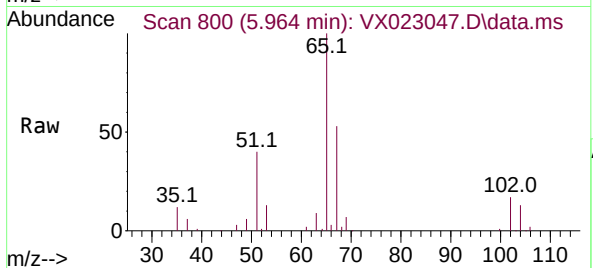


#33

1,2-Dichloroethane-d4
Concen: 51.015 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Instrument :
MSVOA_X
ClientSampled :

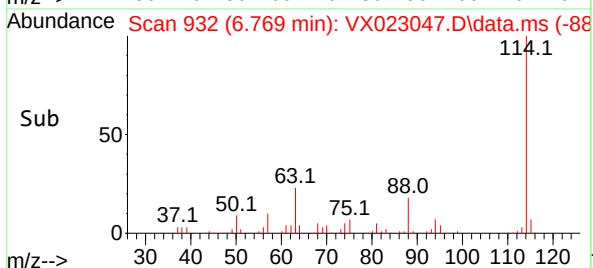
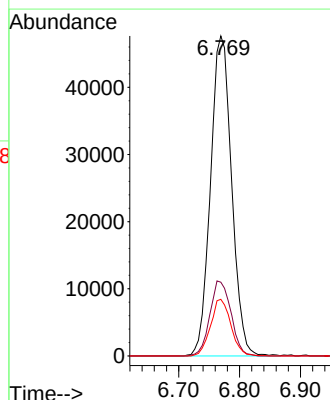
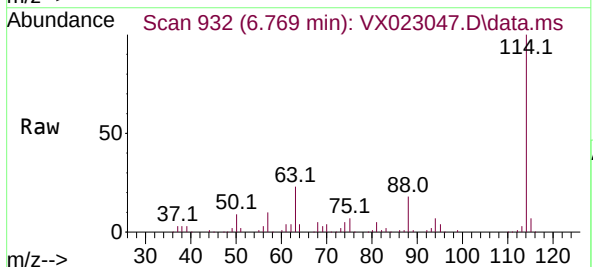
Tgt Ion: 65 Resp: 52002
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

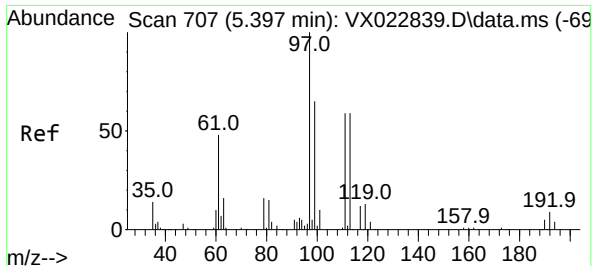


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion: 114 Resp: 114958
Ion Ratio Lower Upper
114 100
63 23.0 0.0 40.8
88 17.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.138 ug/l

RT: 5.391 min Scan# 706

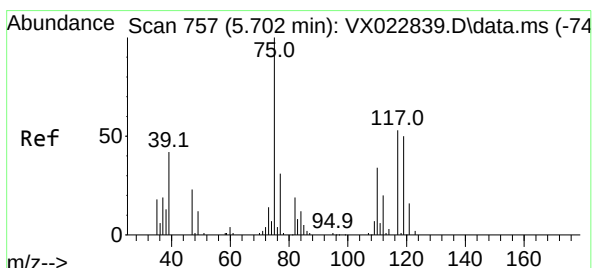
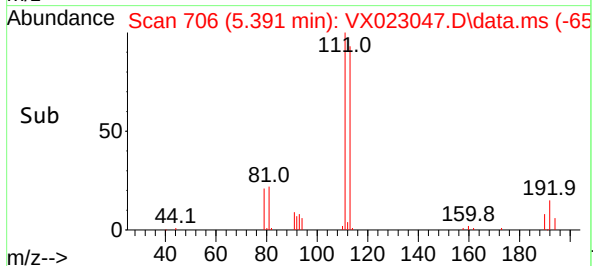
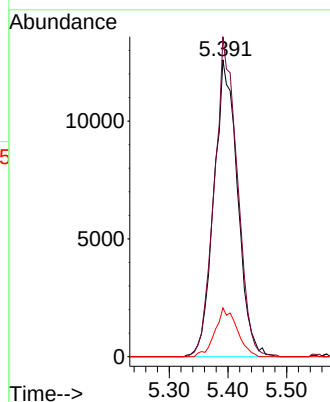
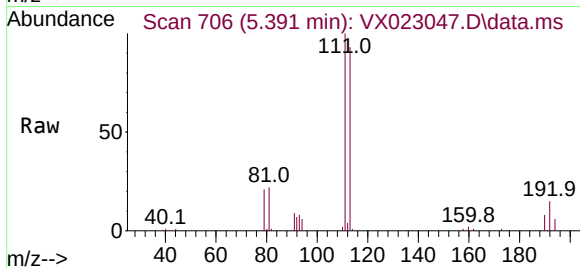
Delta R.T. -0.006 min

Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

Tgt Ion:	113	Resp:	35141
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.9	122.9
192	15.3	16.7	25.1#

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.961 ug/l

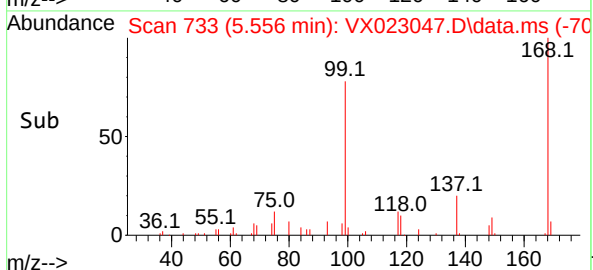
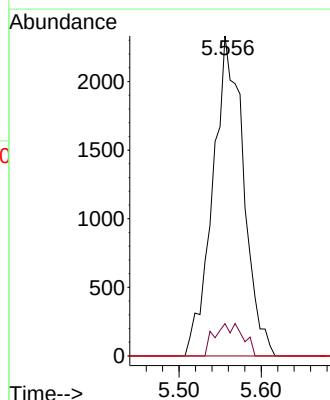
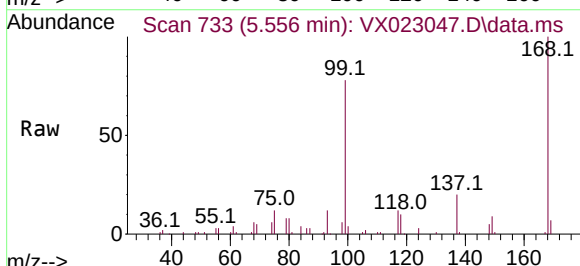
RT: 5.556 min Scan# 733

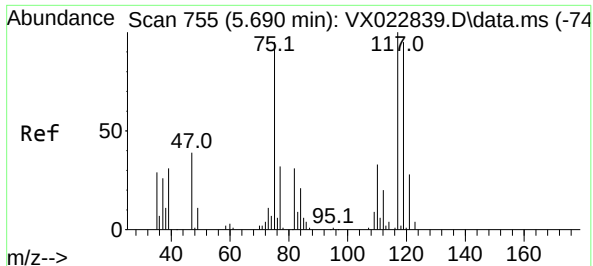
Delta R.T. -0.146 min

Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

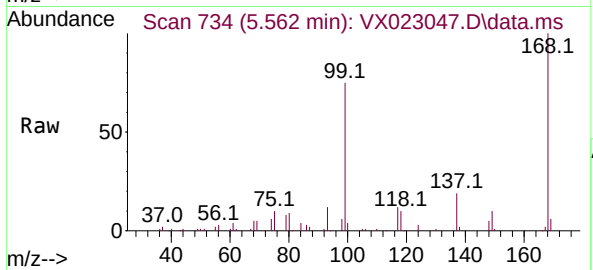
Tgt Ion:	75	Resp:	6058
Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.4#
77	0.0	25.3	37.9#



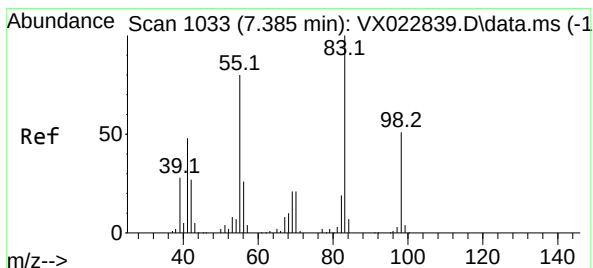
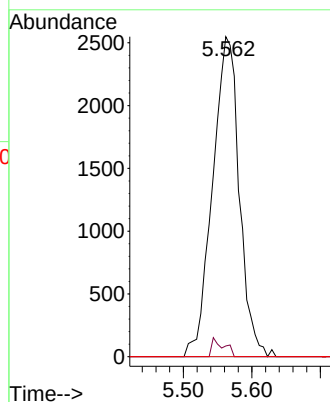
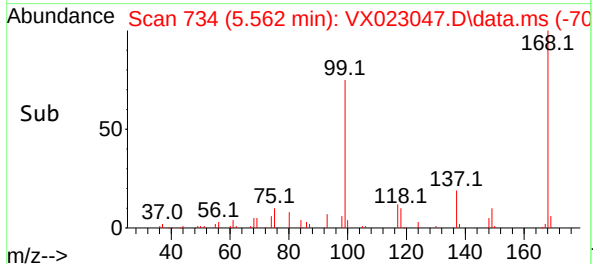


#38
Carbon Tetrachloride
Concen: 6.743 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

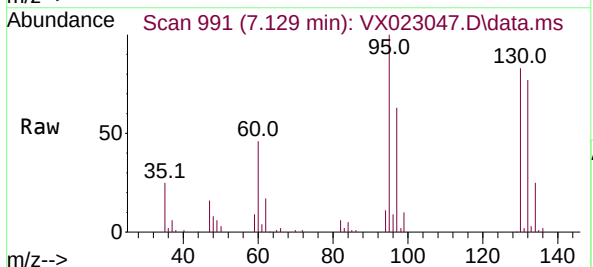
Instrument :
MSVOA_X
ClientSampleId :



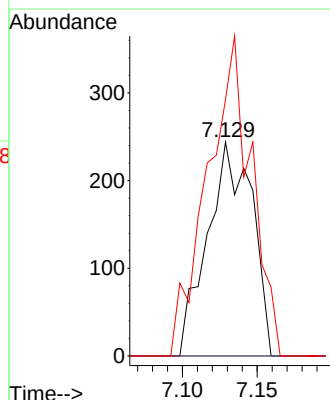
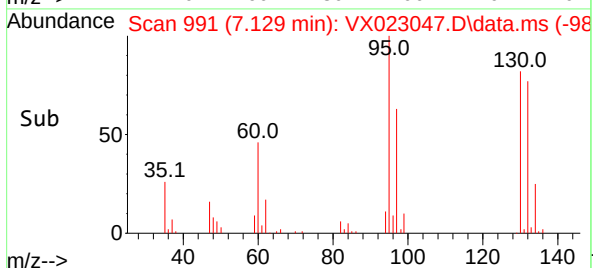
Tgt Ion:117 Resp: 6906
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#

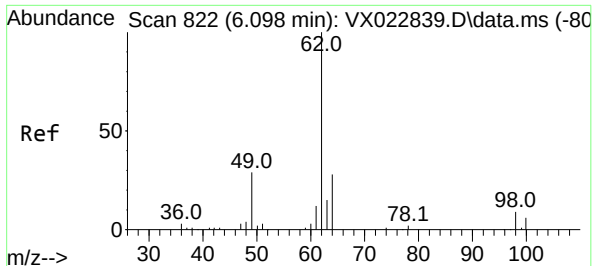


#39
Methylcyclohexane
Concen: 0.356 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26



Tgt Ion: 83 Resp: 507
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 119.7 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 3.658 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.006 min

Lab File: VX023047.D

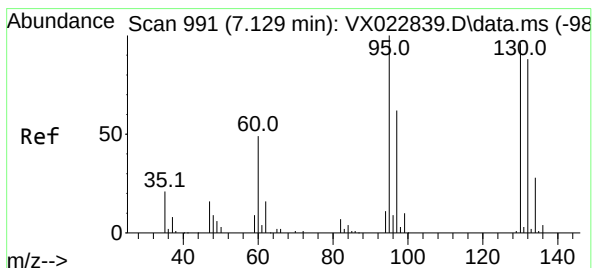
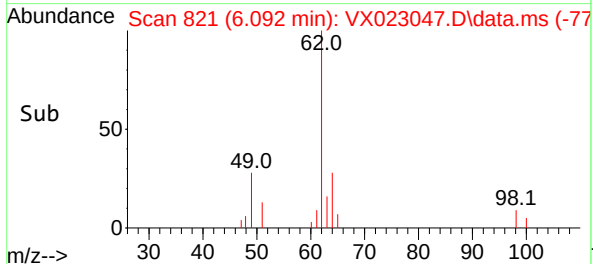
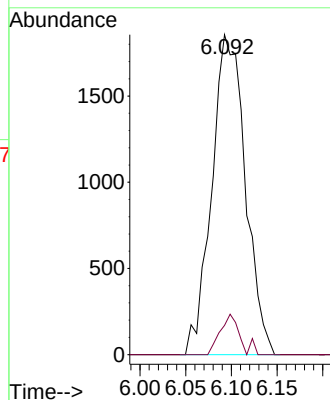
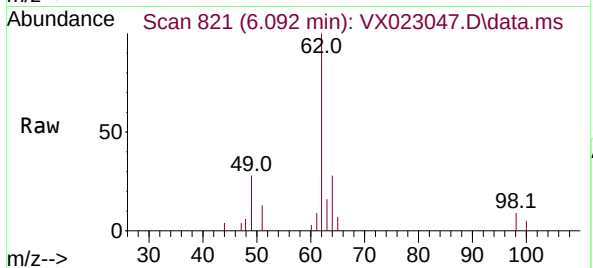
Acq: 30 Jun 2021 20:26

Tgt Ion: 62 Resp: 4739

Ion Ratio Lower Upper

62 100

98 7.4 0.0 20.2



#44

Trichloroethene

Concen: 33.722 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX023047.D

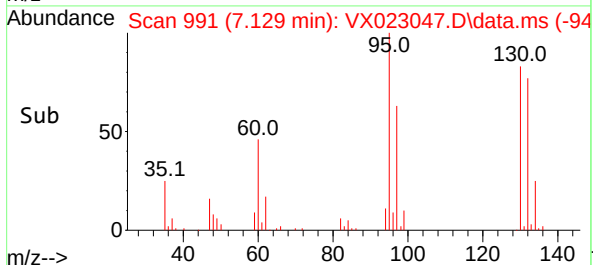
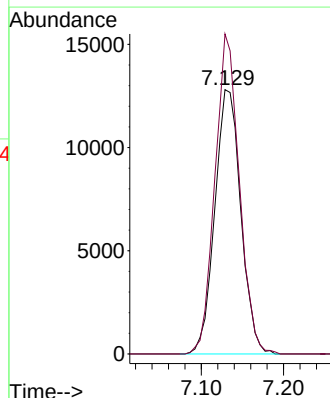
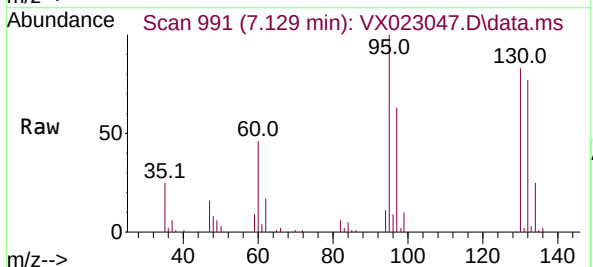
Acq: 30 Jun 2021 20:26

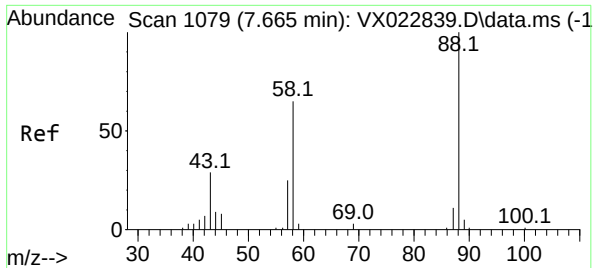
Tgt Ion: 130 Resp: 28157

Ion Ratio Lower Upper

130 100

95 121.1 0.0 198.0





#49

1,4-Dioxane

Concen: 47.407 ug/l

RT: 7.677 min Scan# 1081

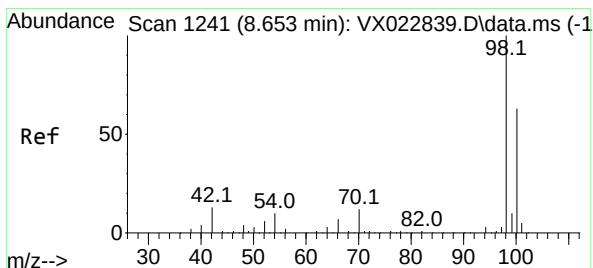
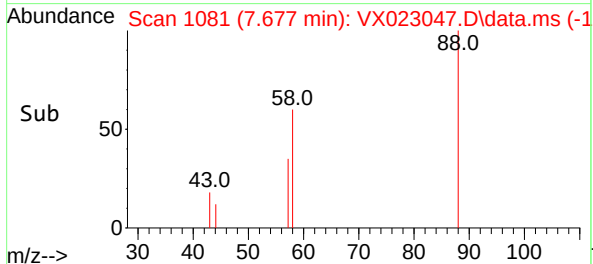
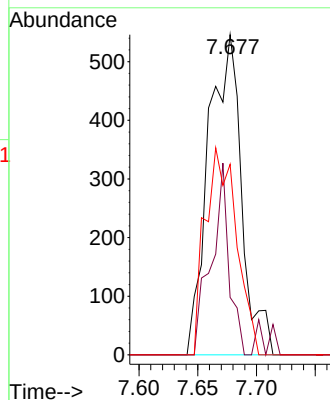
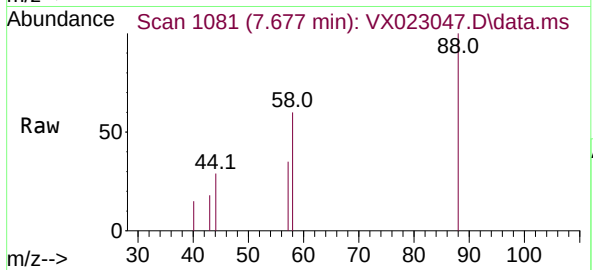
Delta R.T. 0.012 min

Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

Tgt Ion: 88 Resp: 1074

Ion	Ratio	Lower	Upper
88	100		
43	32.2	23.2	34.8
58	61.1	55.0	82.4



#50

Toluene-d8

Concen: 49.642 ug/l

RT: 8.653 min Scan# 1241

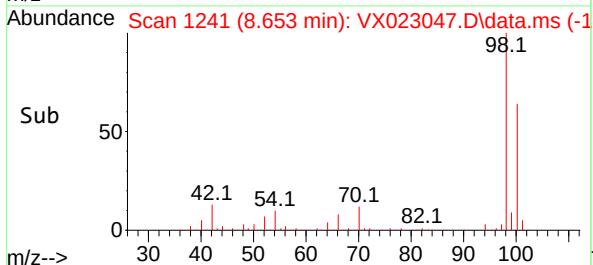
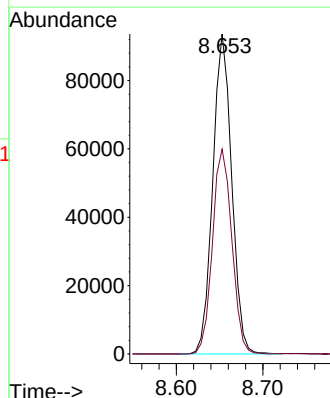
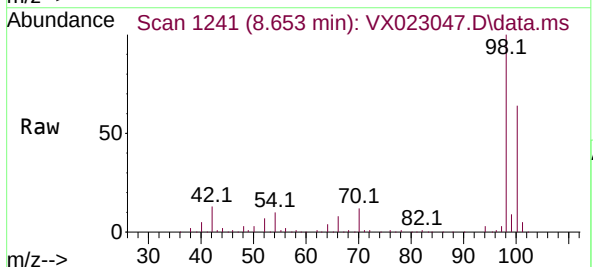
Delta R.T. -0.000 min

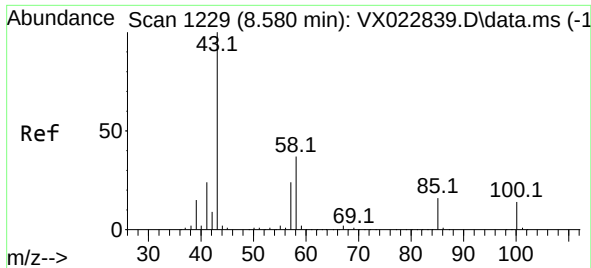
Lab File: VX023047.D

Acq: 30 Jun 2021 20:26

Tgt Ion: 98 Resp: 142028

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9

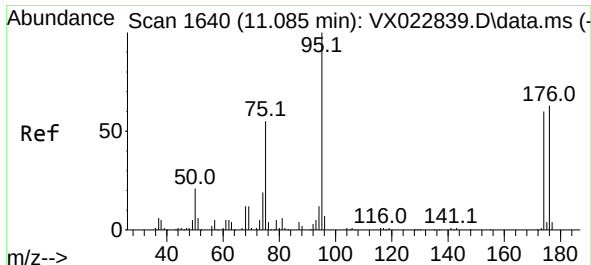
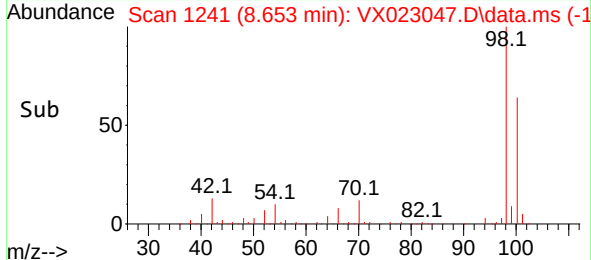
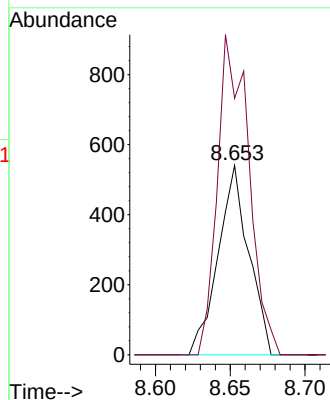
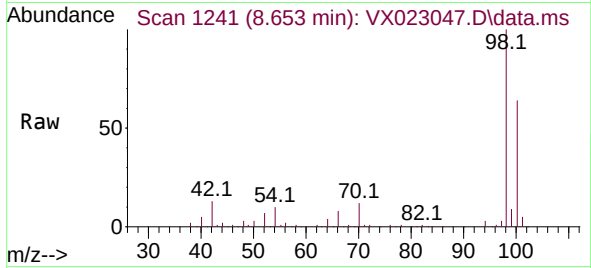




#51
4-Methyl-2-Pentanone
Concen: 0.545 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

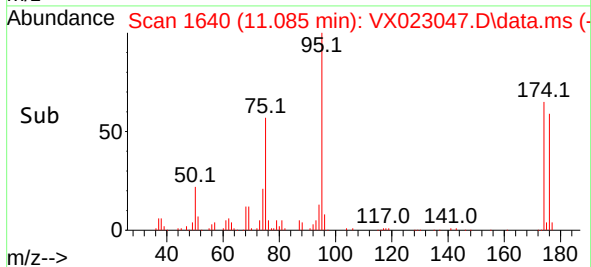
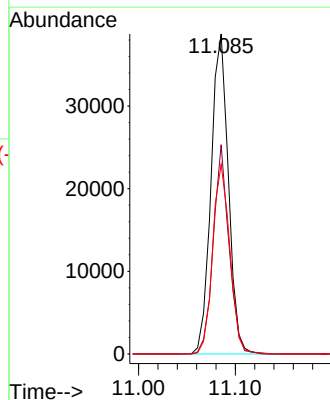
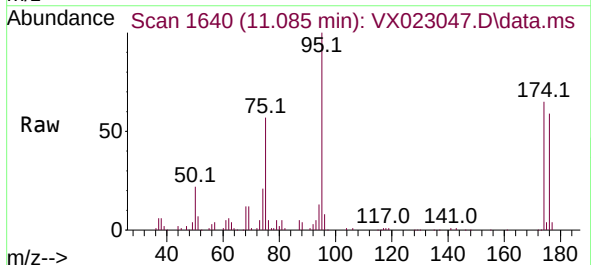
Instrument :
MSVOA_X
ClientSampled :

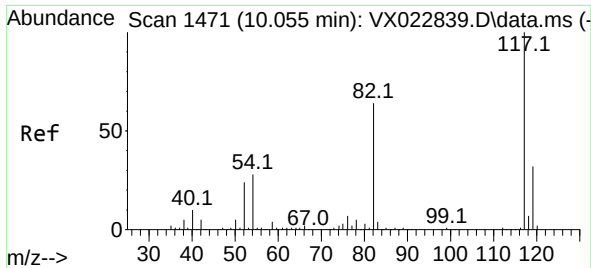
Tgt Ion: 43 Resp: 771
Ion Ratio Lower Upper
43 100
58 172.0 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 45.257 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion: 95 Resp: 48324
Ion Ratio Lower Upper
95 100
174 59.2 0.0 154.6
176 58.6 0.0 155.8

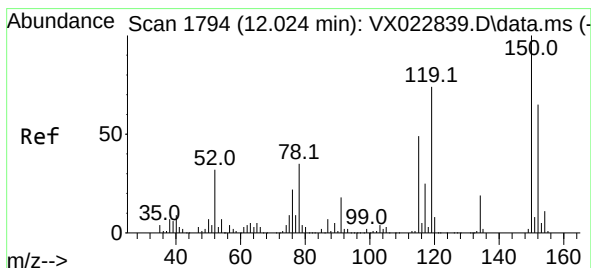
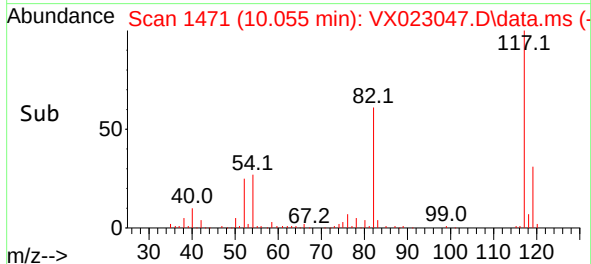
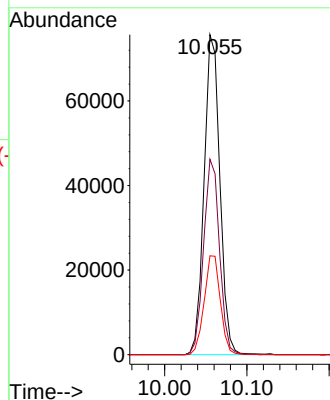
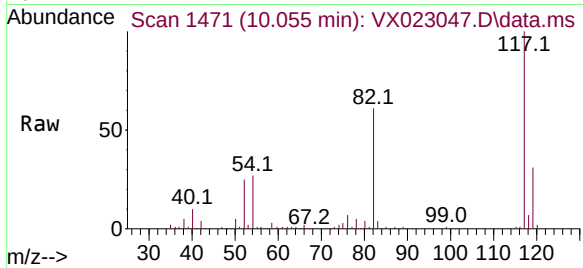




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

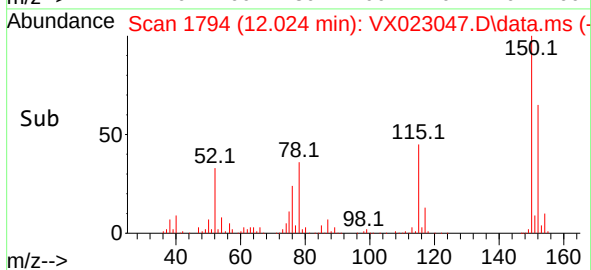
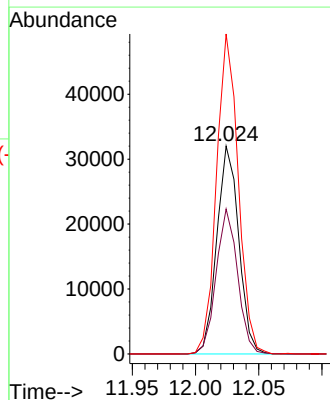
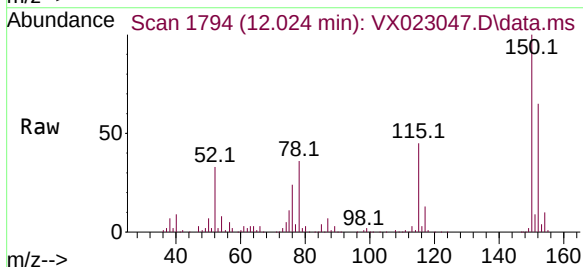
Instrument :
MSVOA_X
ClientSampleId :

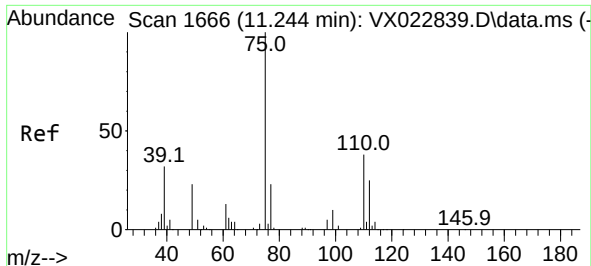
Tgt Ion:117 Resp: 101090
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 30.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion:152 Resp: 38493
Ion Ratio Lower Upper
152 100
115 68.4 41.1 123.3
150 152.6 0.0 349.0

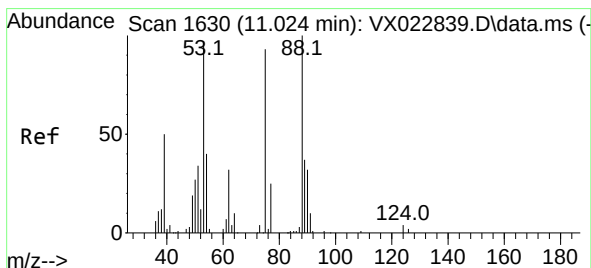
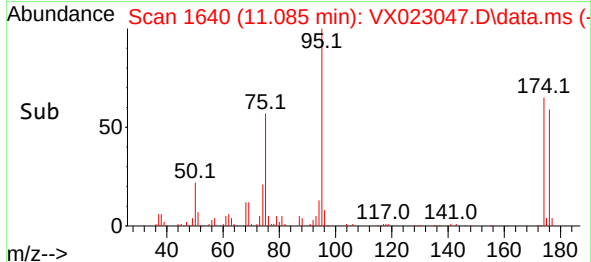
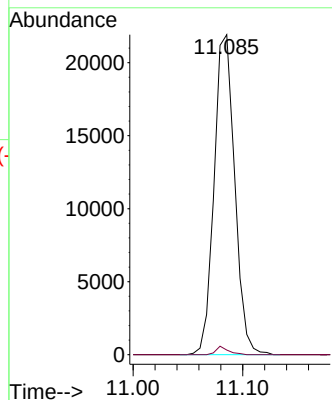
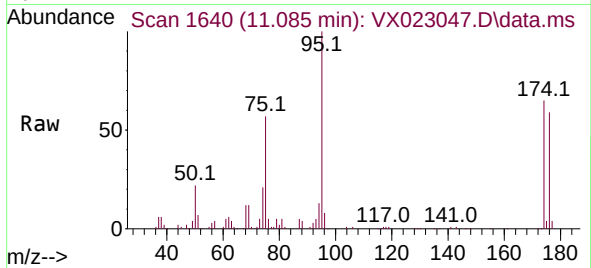




#76
1,2,3-Trichloropropane
Concen: 28.195 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

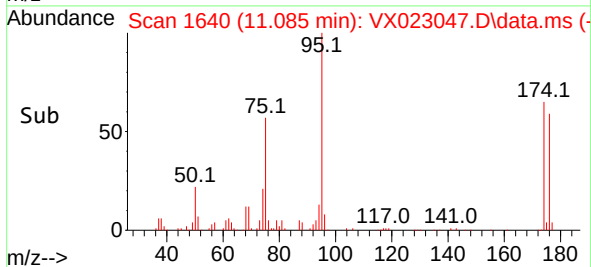
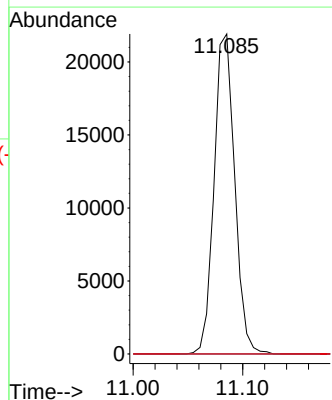
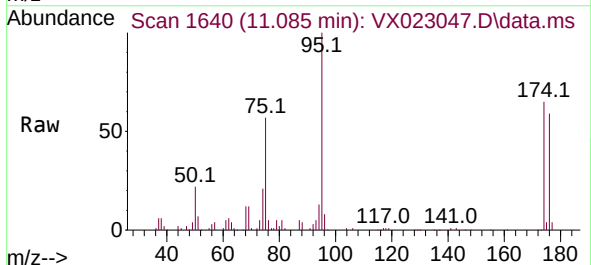
Instrument :
MSVOA_X
ClientSampled :

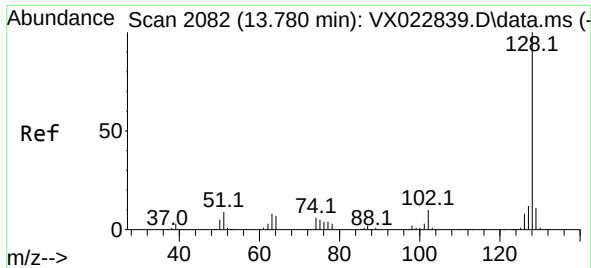
Tgt Ion: 75 Resp: 28667
Ion Ratio Lower Upper
75 100
77 1.6 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.749 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Tgt Ion: 75 Resp: 28667
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.938 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX023047.D
Acq: 30 Jun 2021 20:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 49
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

