

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024728.D
 Acq On : 11 Oct 2021 21:32
 Operator : JC/MD
 Sample : M4159-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 06:55:22 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)

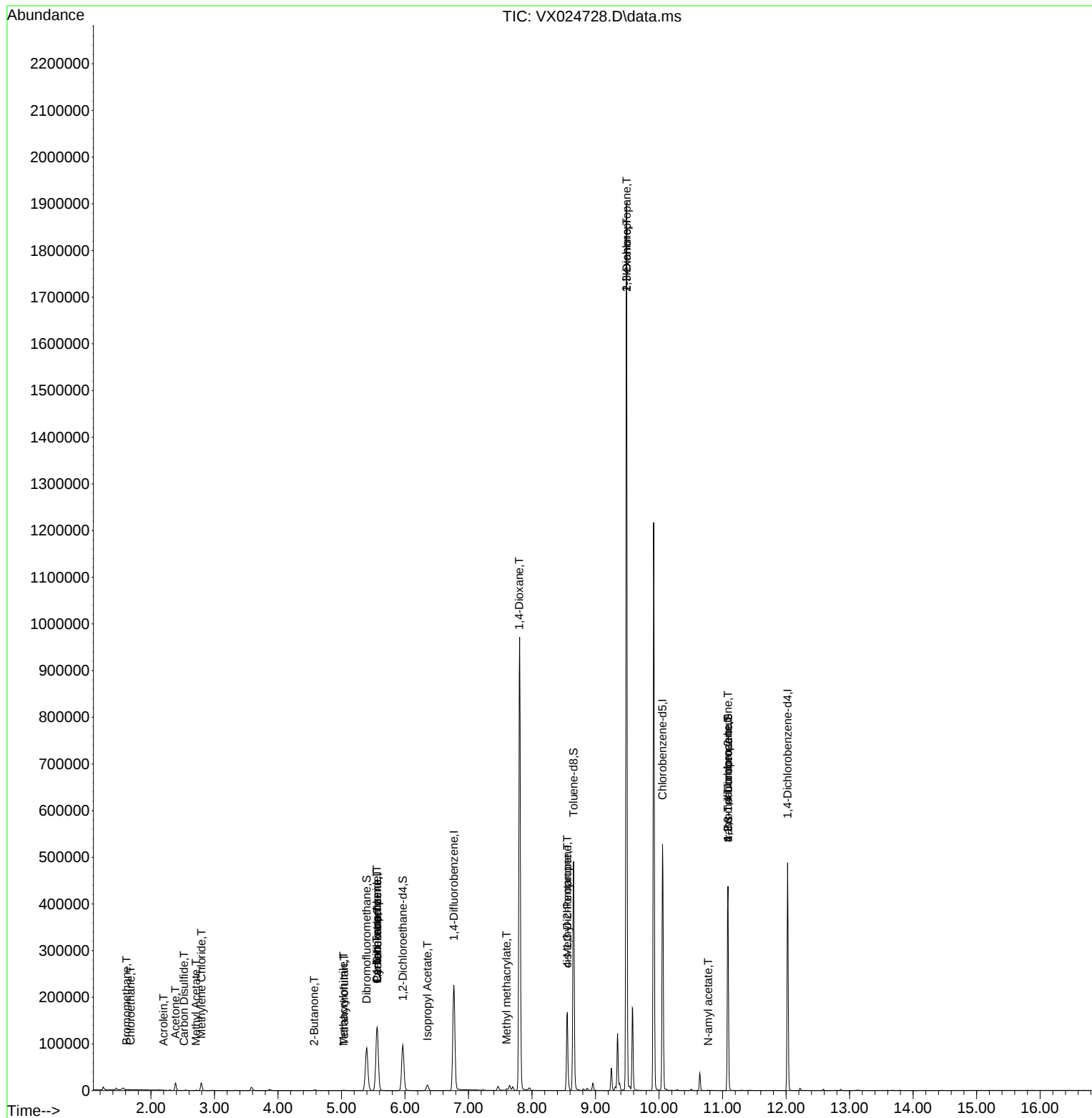
Internal Standards						
1) Pentafluorobenzene	5.562	168	126860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	223665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	95951	53.666	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.340%	
35) Dibromofluoromethane	5.397	113	76133	51.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.480%	
50) Toluene-d8	8.653	98	283103	51.767	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.540%	
62) 4-Bromofluorobenzene	11.085	95	109300	50.832	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	241	0.284	ug/l #	55
6) Chloroethane	1.678	64	144	0.429	ug/l #	43
11) Tert butyl alcohol	2.971	59	698	Below Cal	#	73
13) Acrolein	2.197	56	77	10.822	ug/l #	14
16) Acetone	2.386	43	17378	13.440	ug/l	91
17) Carbon Disulfide	2.520	76	292	0.325	ug/l #	75
18) Methyl Acetate	2.709	43	1288	0.481	ug/l #	82
20) Methylene Chloride	2.794	84	7046	4.219	ug/l	98
25) 2-Butanone	4.568	43	2761	2.242	ug/l #	85
29) Tetrahydrofuran	5.044	42	734	0.936	ug/l #	47
31) Cyclohexane	5.562	56	2845	1.329	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9738	4.542	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13056	5.594	ug/l #	16
41) Methacrylonitrile	5.031	41	410	0.297	ug/l #	44
43) Isopropyl Acetate	6.354	43	15727	3.864	ug/l	93
48) Methyl methacrylate	7.598	41	5095	2.528	ug/l #	10
49) 1,4-Dioxane	7.799	88	110	2.383	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60525	22.527	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	25337	10.113	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	15397	5.572	ug/l #	42
59) 2-Hexanone	9.488	43	224640	106.167	ug/l #	43
74) N-amyl acetate	10.774	43	865	0.278	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	59461	27.394	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59461	74.516	ug/l #	12

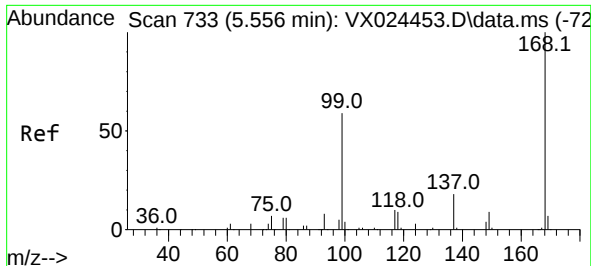
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

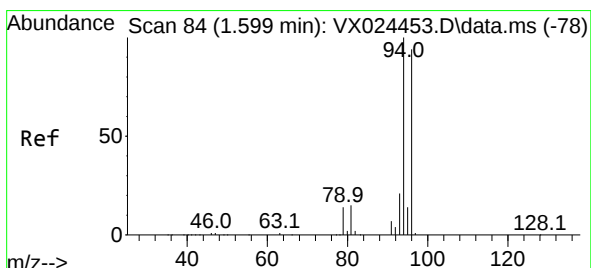
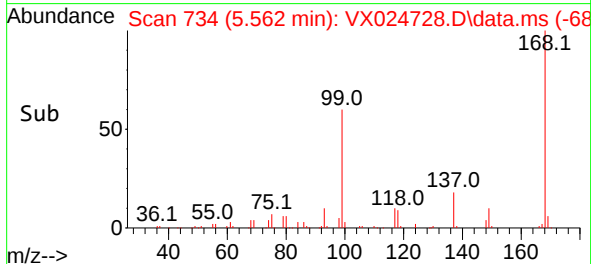
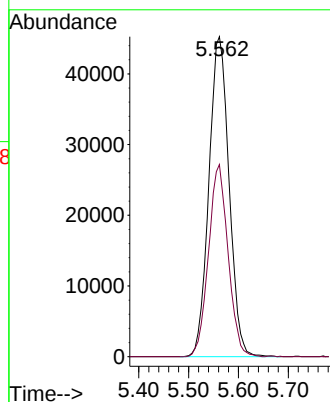
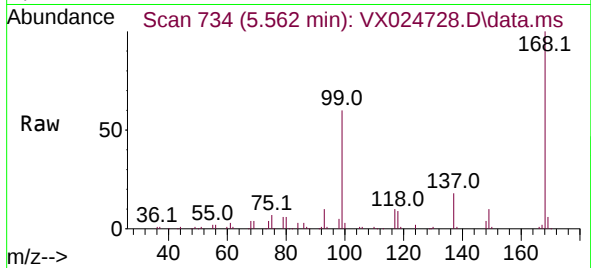




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

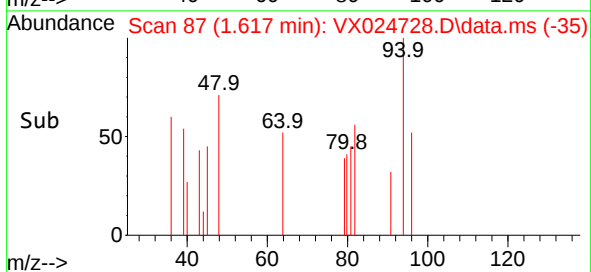
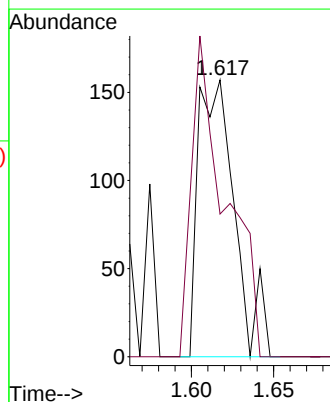
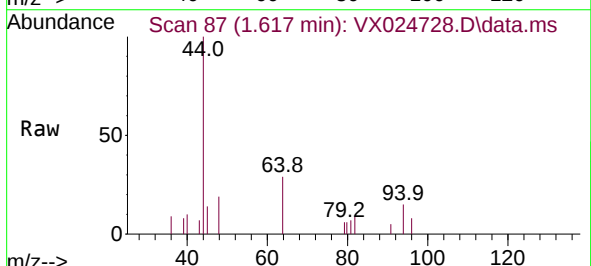
Instrument :
MSVOA_X
ClientSampleId :

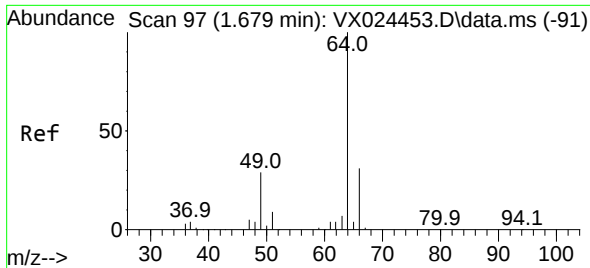
Tgt Ion:168 Resp: 126860
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.6



#5
Bromomethane
Concen: 0.284 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 51.6 76.4 114.6#

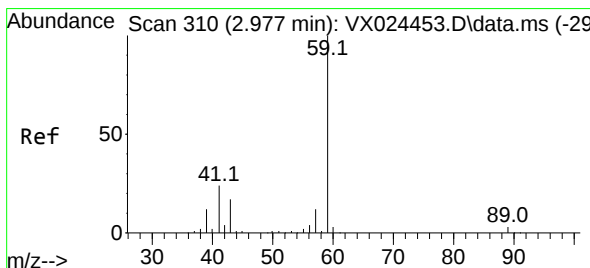
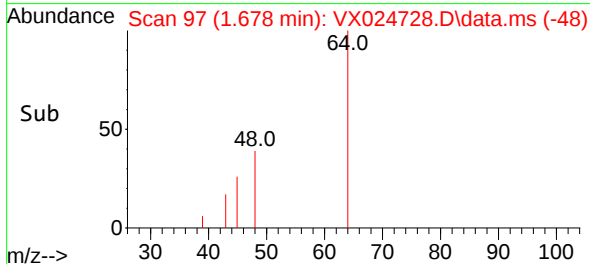
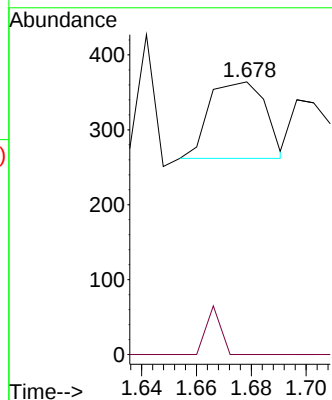
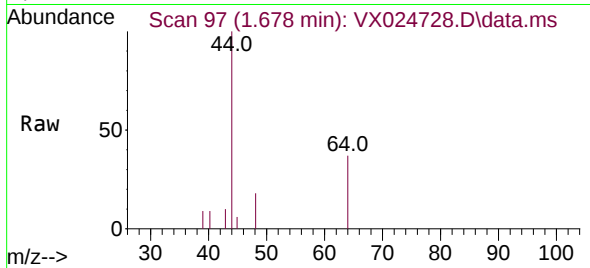




#6
Chloroethane
Concen: 0.429 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

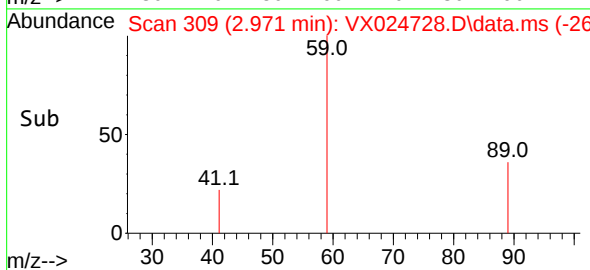
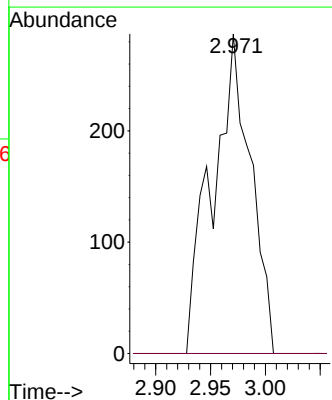
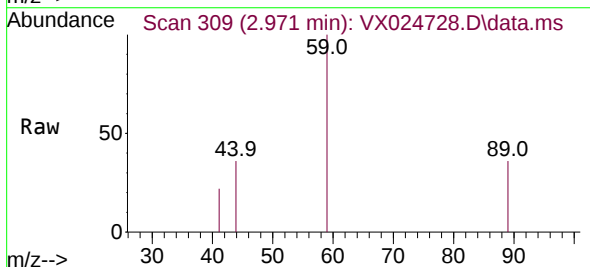
Instrument :
MSVOA_X
ClientSampled :

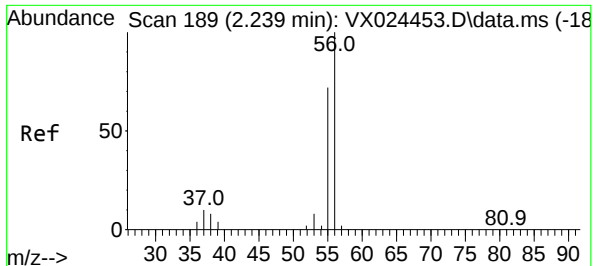
Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 59 Resp: 698
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

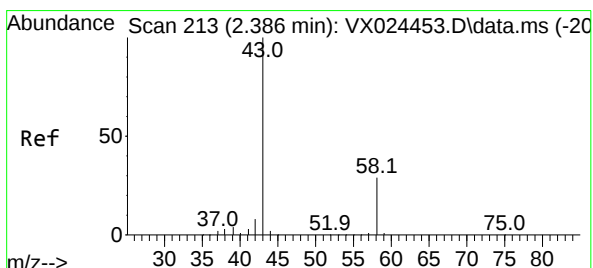
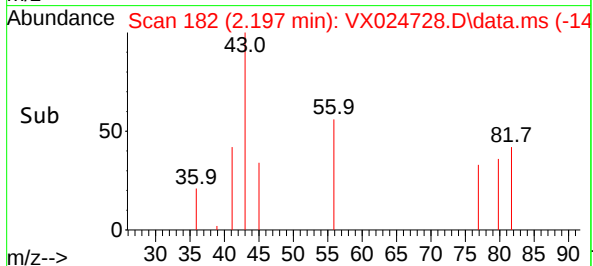
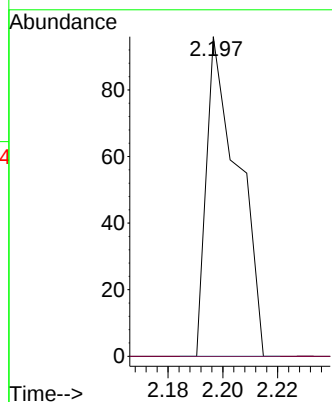
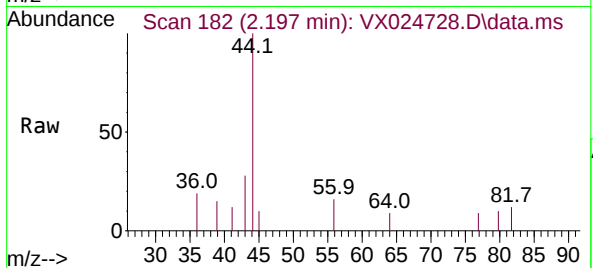




#13
Acrolein
Concen: 10.822 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.042 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

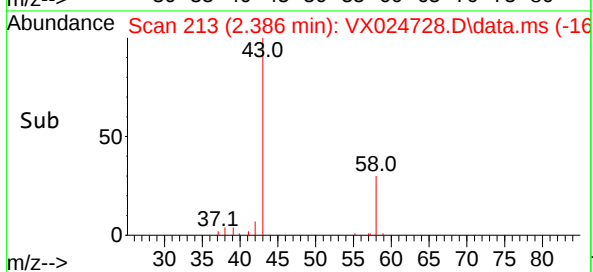
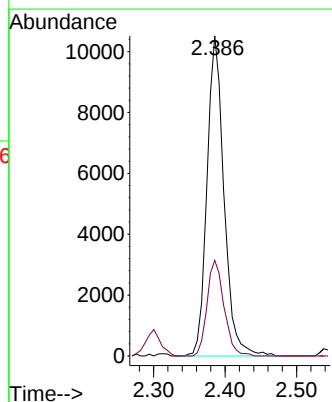
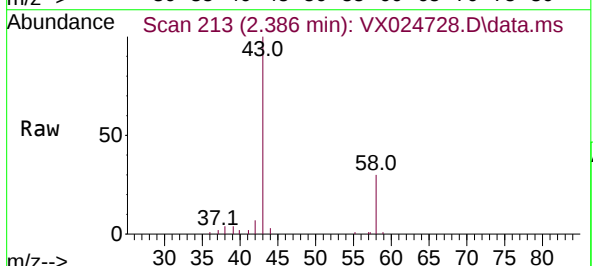
Instrument :
MSVOA_X
ClientSampled :

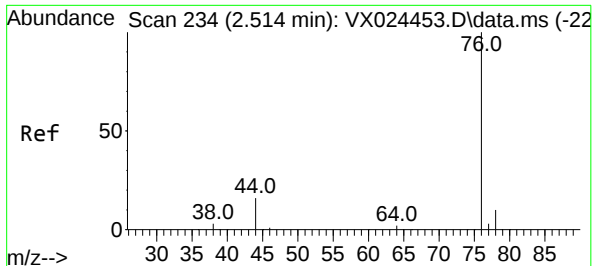
Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 13.440 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

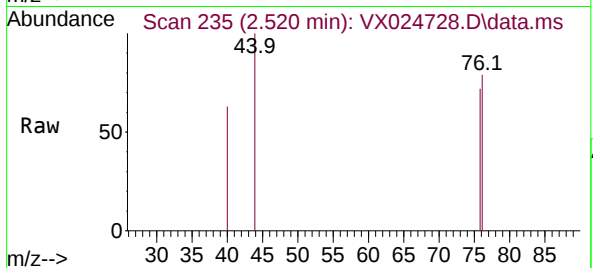
Tgt Ion: 43 Resp: 17378
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8



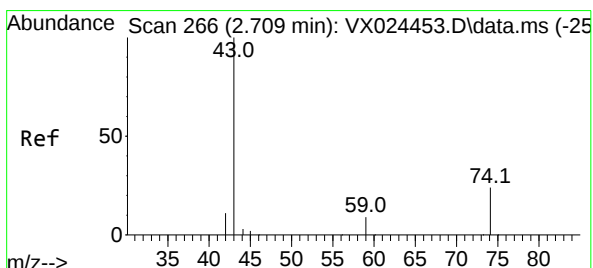
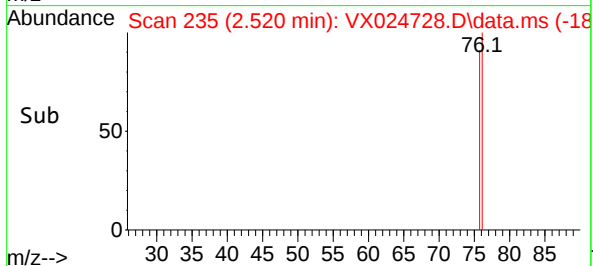
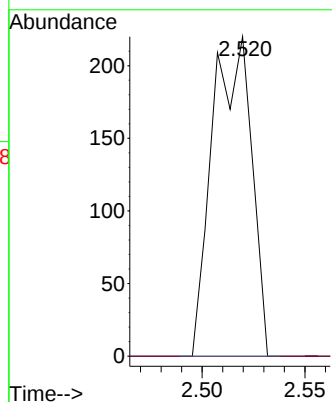


#17
Carbon Disulfide
Concen: 0.325 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Instrument :
MSVOA_X
ClientSampled :

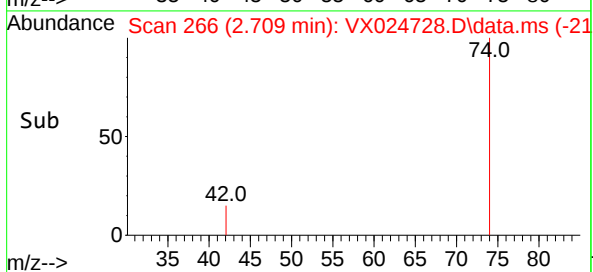
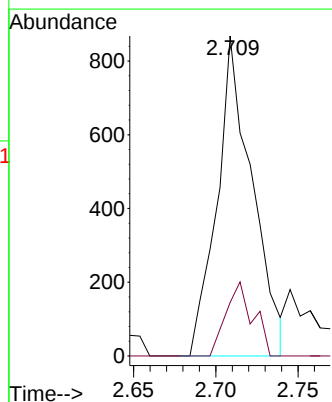
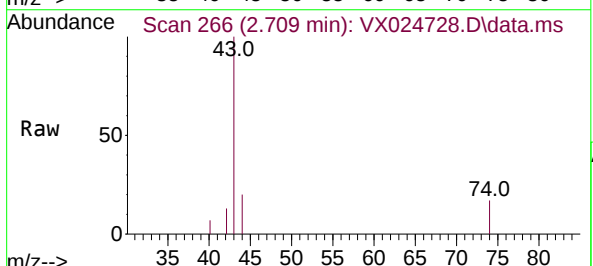


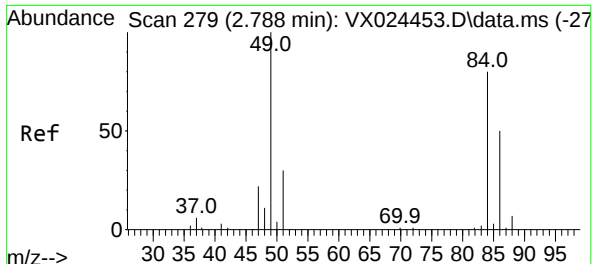
Tgt Ion: 76 Resp: 292
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.481 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
74 17.8 21.9 32.9#





#20

Methylene Chloride

Concen: 4.219 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024728.D

Acq: 11 Oct 2021 21:32

Tgt Ion: 84 Resp: 7046

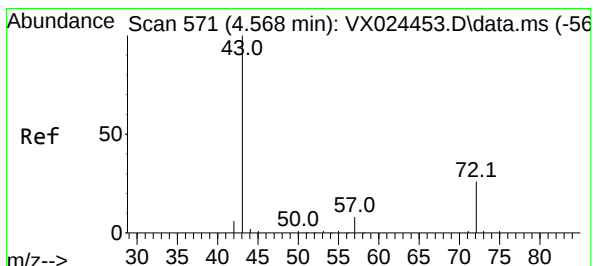
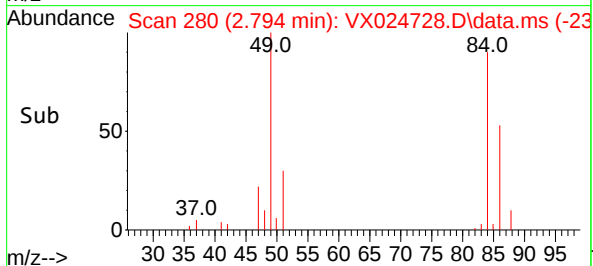
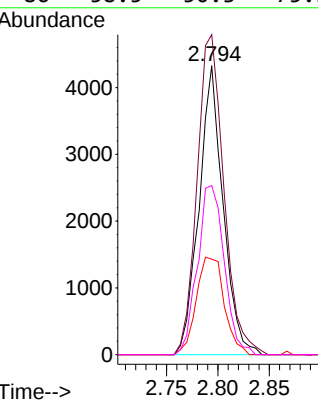
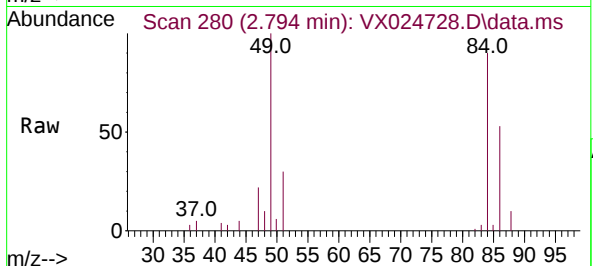
Ion Ratio Lower Upper

84 100

49 110.7 88.6 132.8

51 33.0 27.0 40.6

86 58.5 50.3 75.5



#25

2-Butanone

Concen: 2.242 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX024728.D

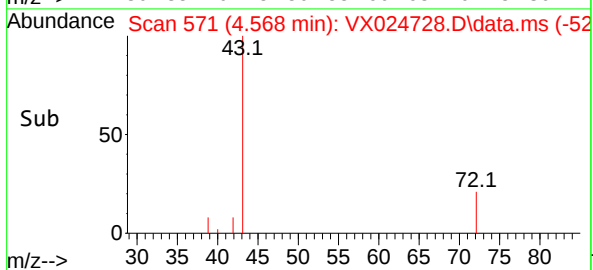
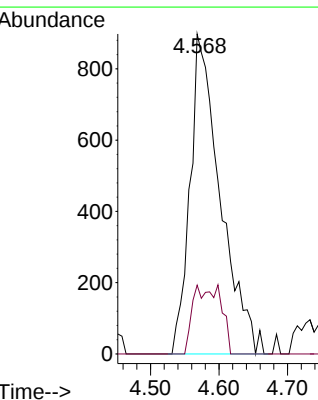
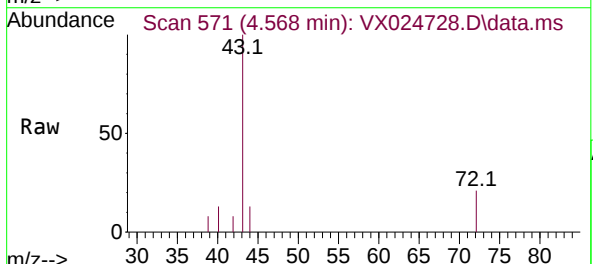
Acq: 11 Oct 2021 21:32

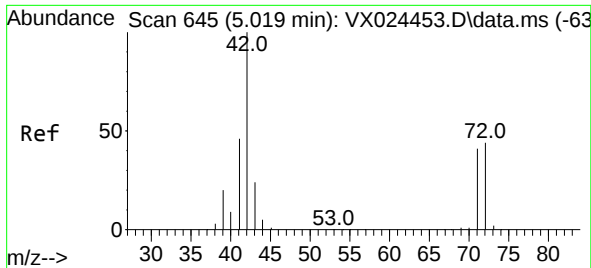
Tgt Ion: 43 Resp: 2761

Ion Ratio Lower Upper

43 100

72 21.5 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.936 ug/l

RT: 5.044 min Scan# 649

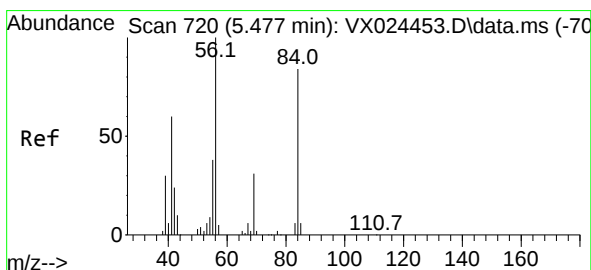
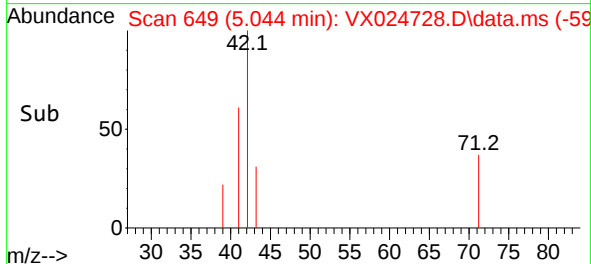
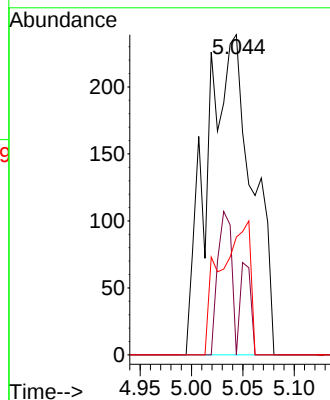
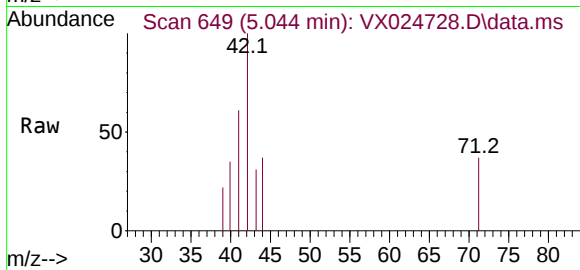
Delta R.T. 0.025 min

Lab File: VX024728.D

Acq: 11 Oct 2021 21:32

Tgt Ion:	42	Resp:	734
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	27.5	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.329 ug/l

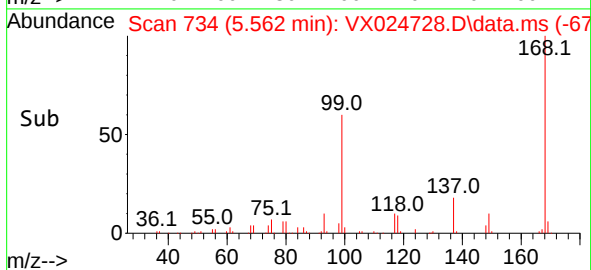
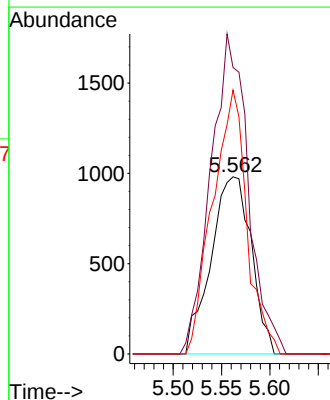
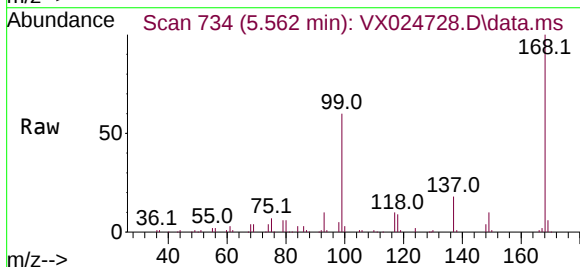
RT: 5.562 min Scan# 734

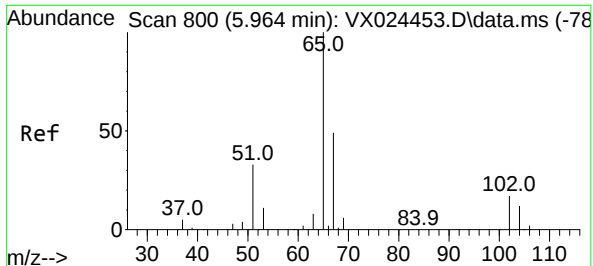
Delta R.T. 0.085 min

Lab File: VX024728.D

Acq: 11 Oct 2021 21:32

Tgt Ion:	56	Resp:	2845
Ion	Ratio	Lower	Upper
56	100		
69	161.8	25.3	37.9#
84	148.9	71.4	107.0#

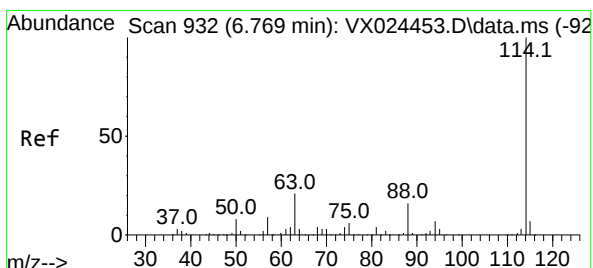
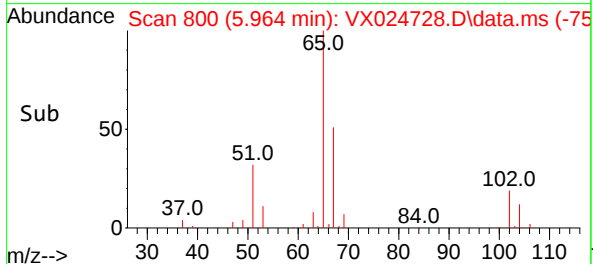
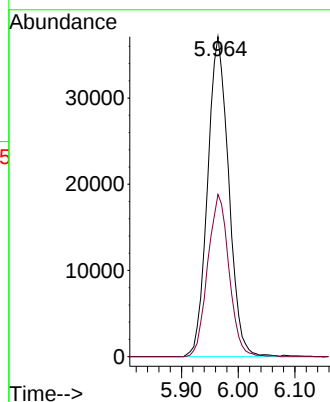
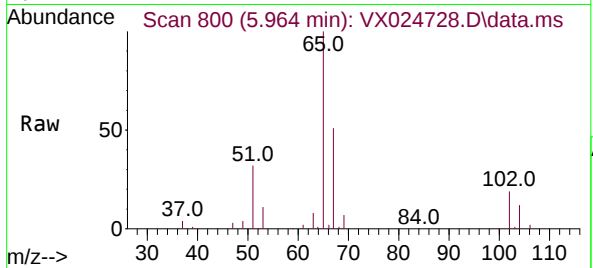




#33
1,2-Dichloroethane-d4
Concen: 53.666 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

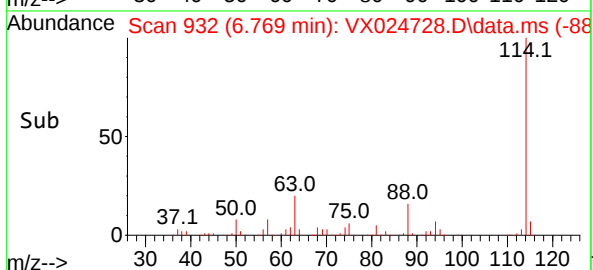
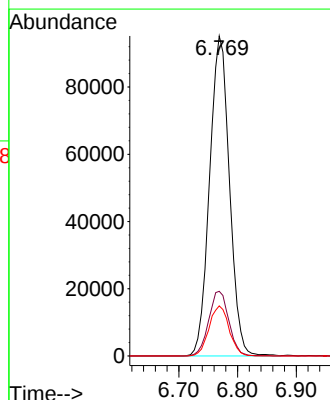
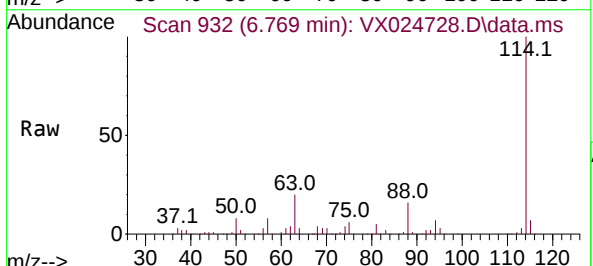
Instrument :
MSVOA_X
ClientSampleId :

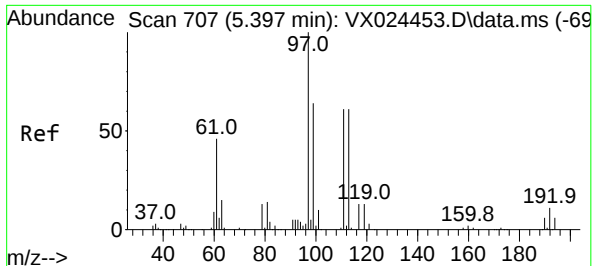
Tgt Ion: 65 Resp: 95951
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 114 Resp: 223665
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.7 0.0 32.8

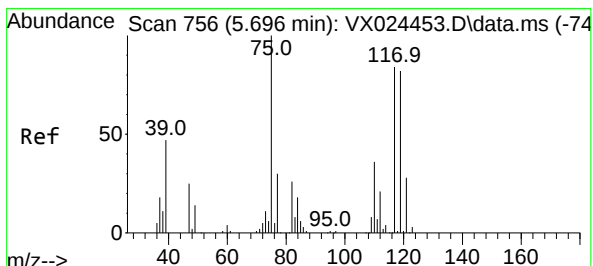
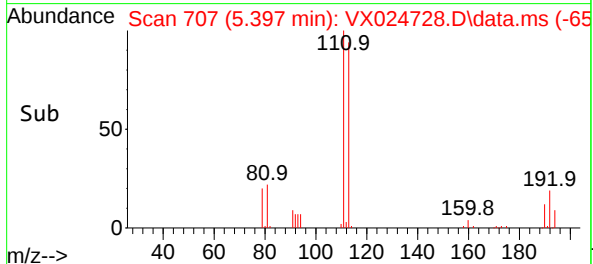
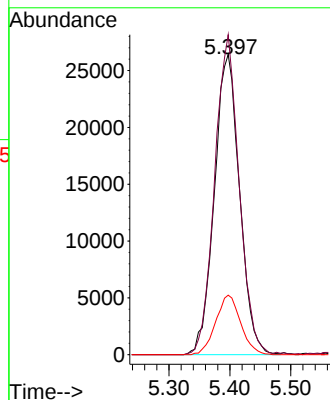
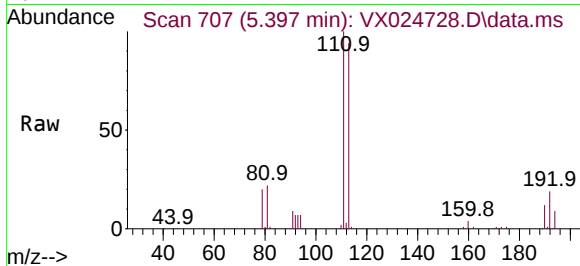




#35
Dibromofluoromethane
Concen: 51.238 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

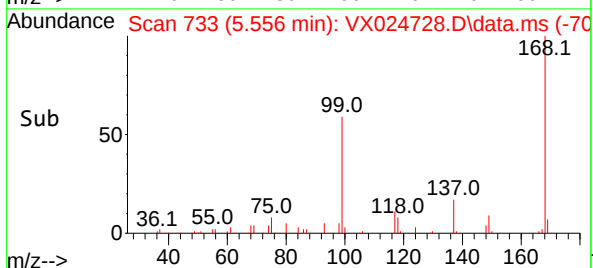
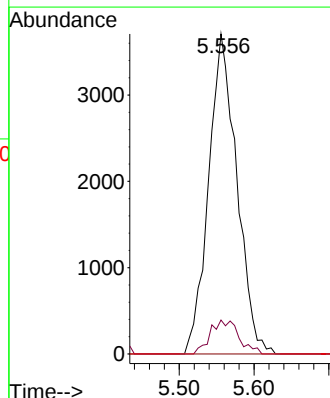
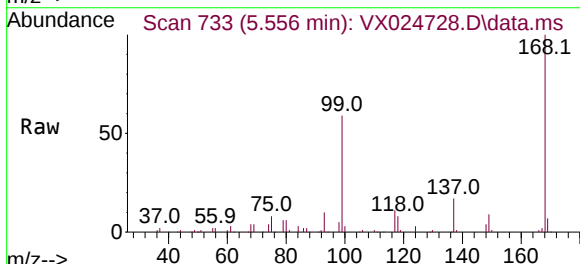
Instrument :
MSVOA_X
ClientSampleId :

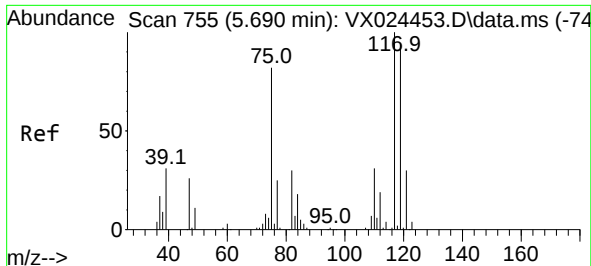
Tgt Ion:113 Resp: 76133
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

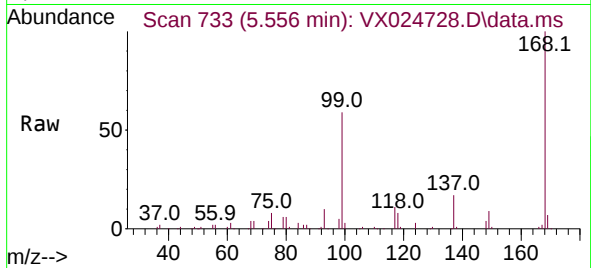
Tgt Ion: 75 Resp: 9738
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.0 25.3 37.9#



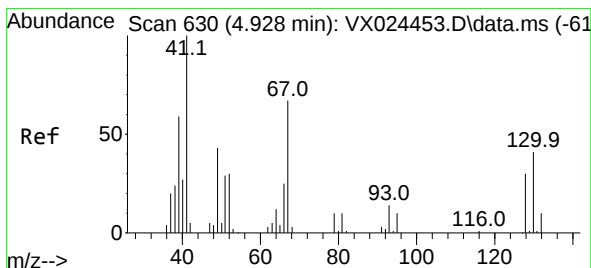
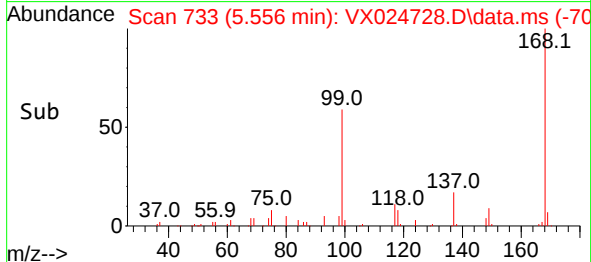
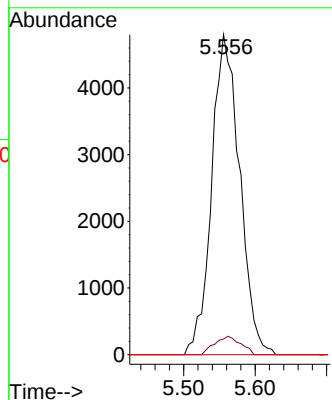


#38
Carbon Tetrachloride
Concen: 5.594 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Instrument :
MSVOA_X
ClientSampleId :

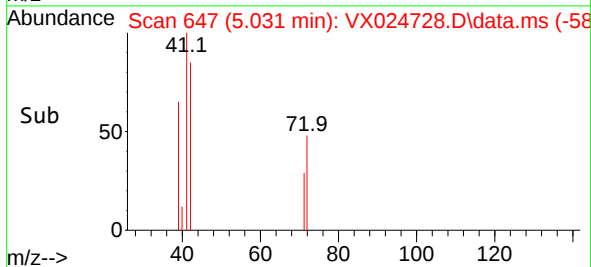
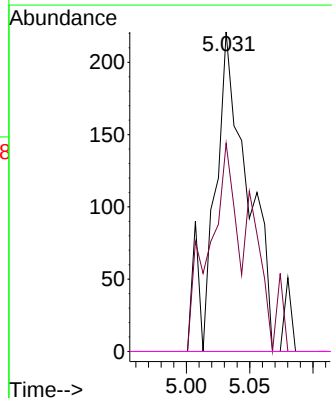
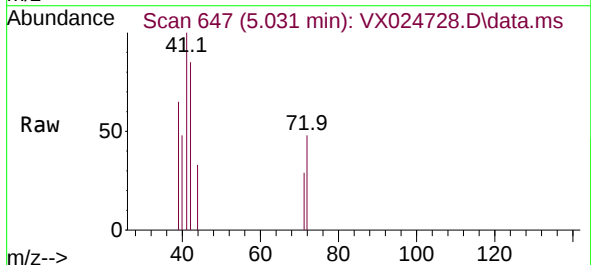


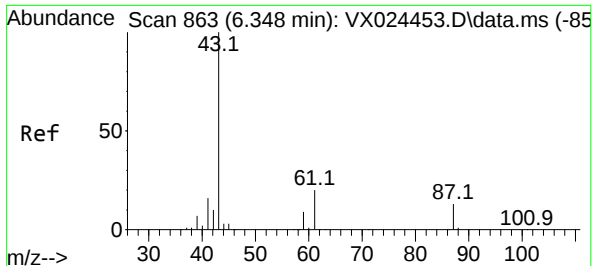
Tgt Ion:117 Resp: 13056
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.297 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 41 Resp: 410
Ion Ratio Lower Upper
41 100
39 52.7 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

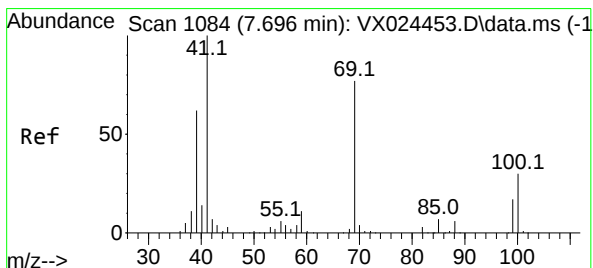
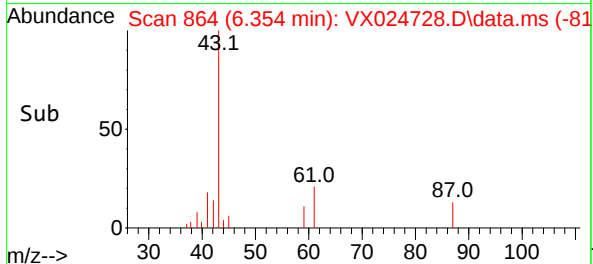
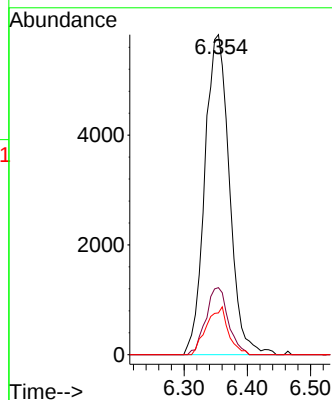
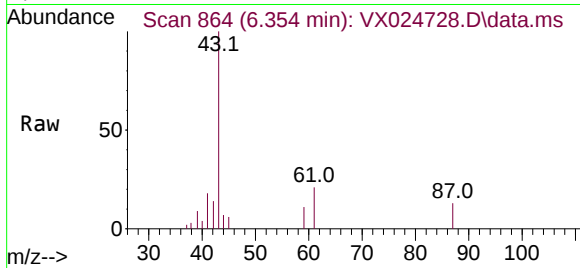




#43
Isopropyl Acetate
Concen: 3.864 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

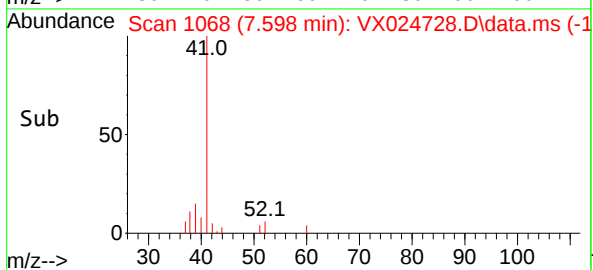
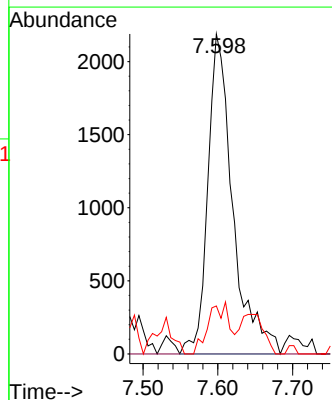
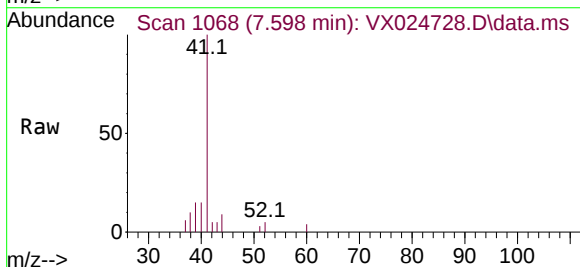
Instrument :
MSVOA_X
ClientSampled :

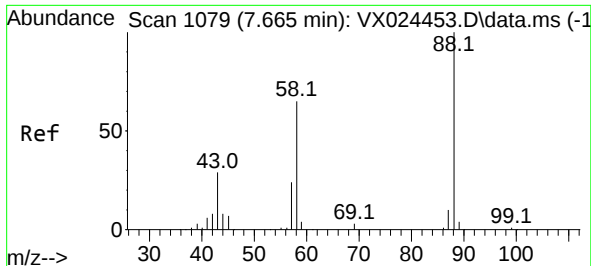
Tgt Ion: 43 Resp: 15727
Ion Ratio Lower Upper
43 100
61 19.2 18.2 27.4
87 13.2 12.5 18.7



#48
Methyl methacrylate
Concen: 2.528 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 41 Resp: 5095
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: 2.383 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX024728.D

Acq: 11 Oct 2021 21:32

Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

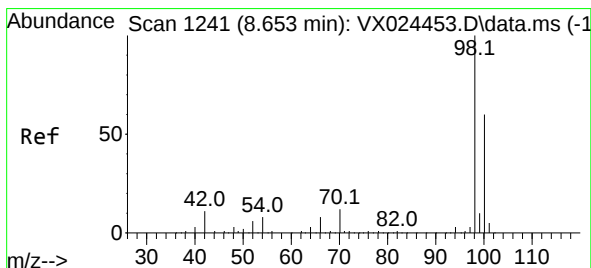
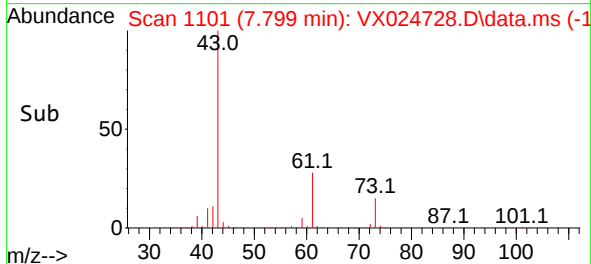
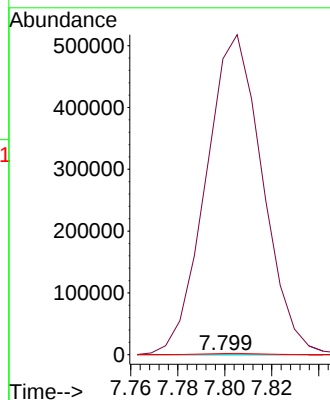
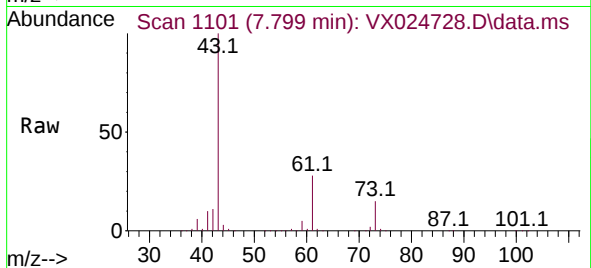
43 796269.1 23.2 34.8#

58 3489.1 55.0 82.4#

Instrument :

MSVOA_X

ClientSampled :



#50

Toluene-d8

Concen: 51.767 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024728.D

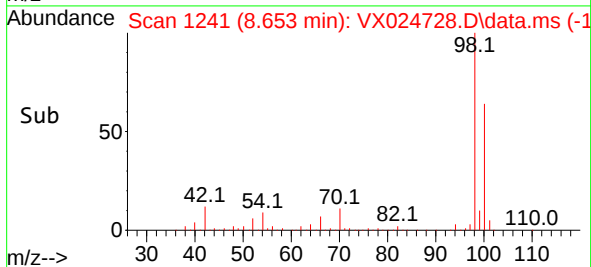
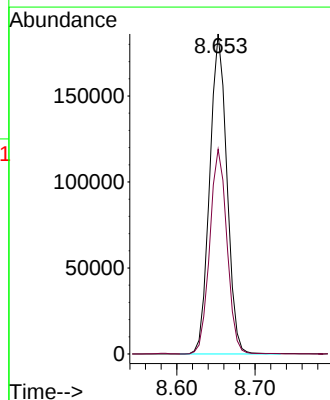
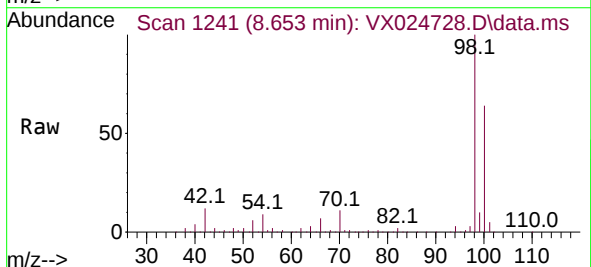
Acq: 11 Oct 2021 21:32

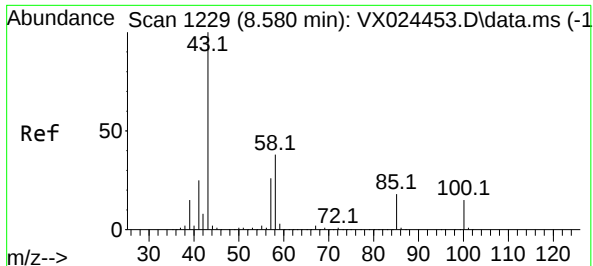
Tgt Ion: 98 Resp: 283103

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

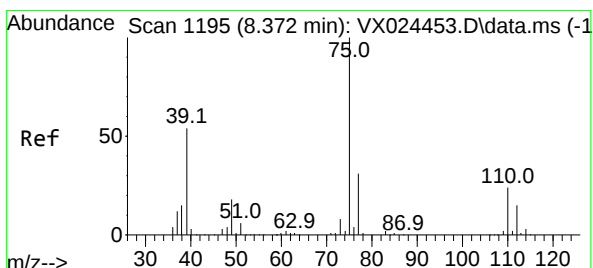
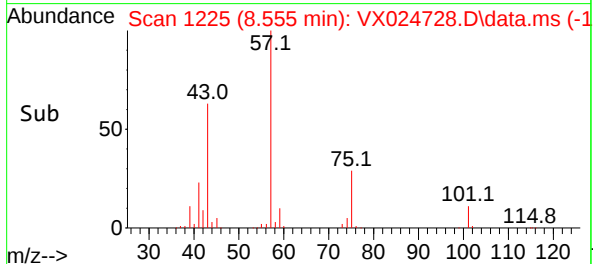
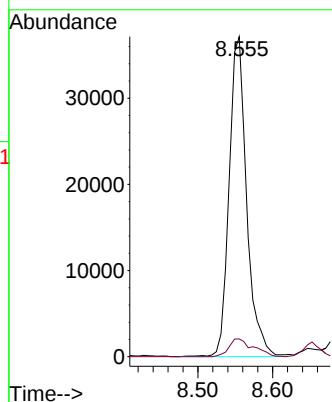
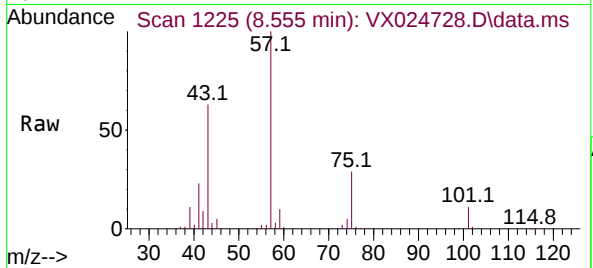




#51
4-Methyl-2-Pentanone
Concen: 22.527 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

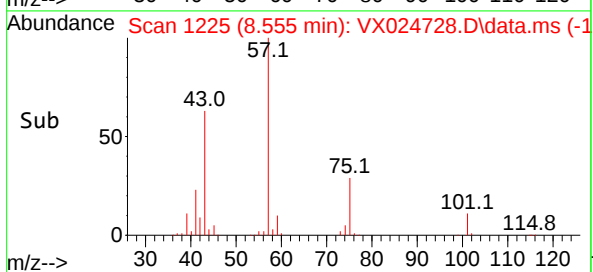
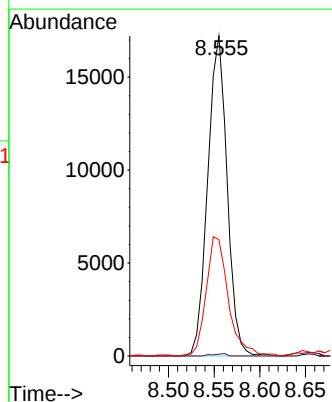
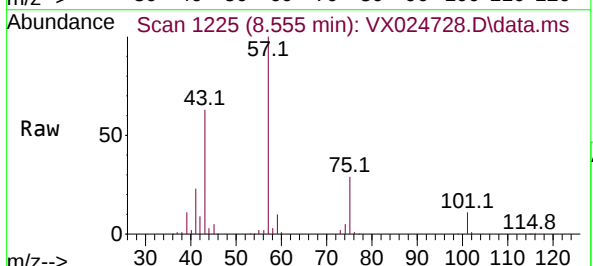
Instrument :
MSVOA_X
ClientSampled :

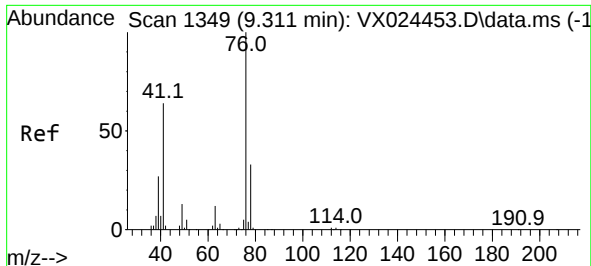
Tgt Ion: 43 Resp: 60525
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 10.113 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 75 Resp: 25337
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 36.4 35.1 52.7



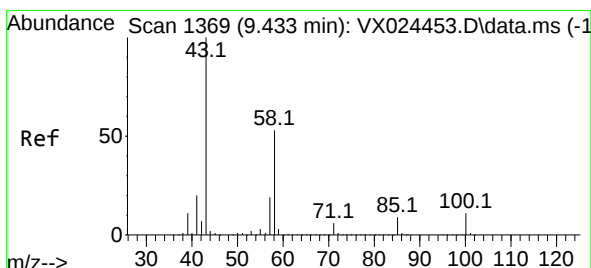
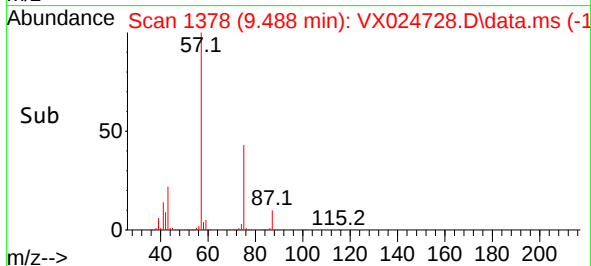
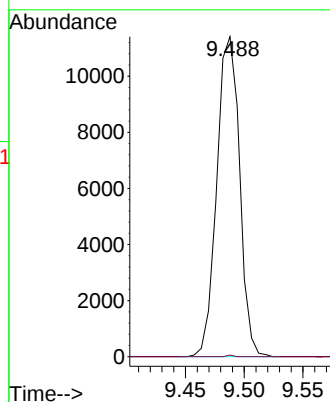
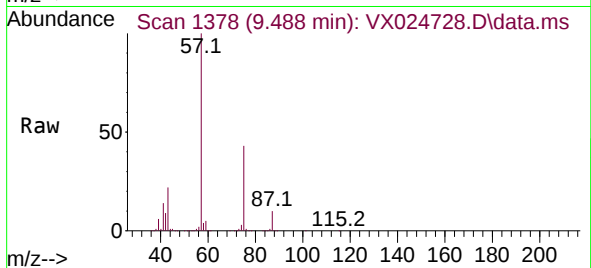


#57

1,3-Dichloropropane
Concen: 5.572 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Instrument :
MSVOA_X
ClientSampled :

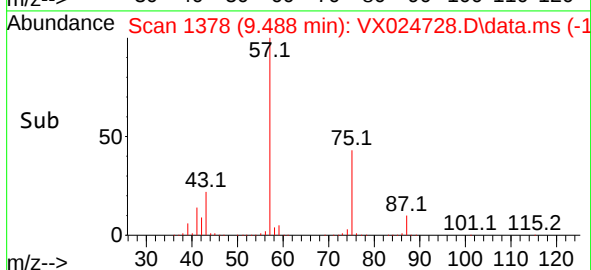
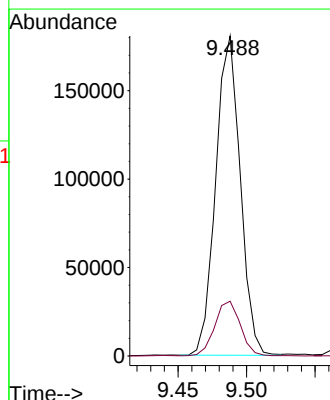
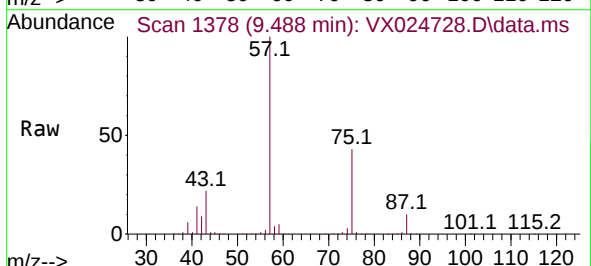
Tgt Ion: 76 Resp: 15397
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

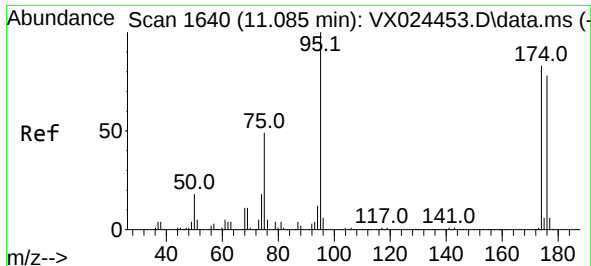


#59

2-Hexanone
Concen: 106.167 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 43 Resp: 224640
Ion Ratio Lower Upper
43 100
58 18.0 30.9 92.8#

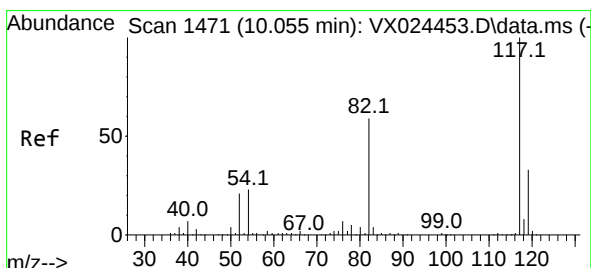
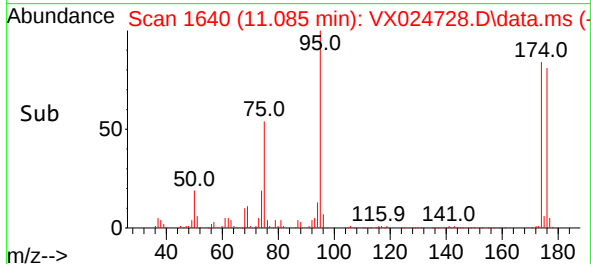
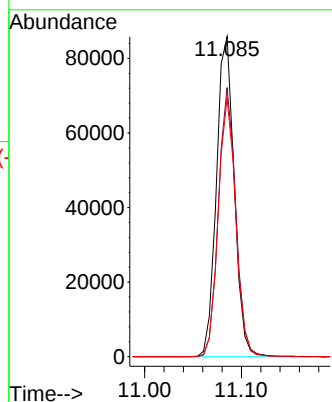
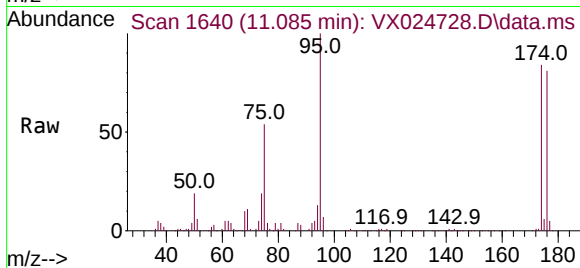




#62
4-Bromofluorobenzene
Concen: 50.832 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

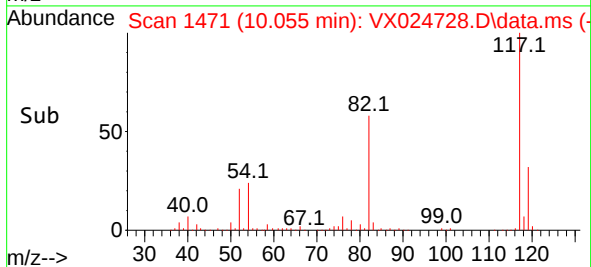
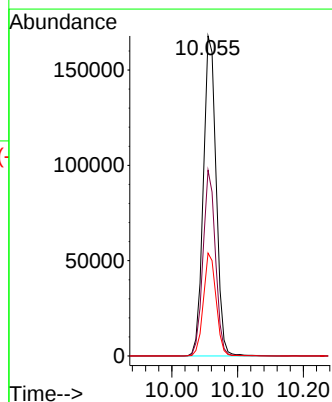
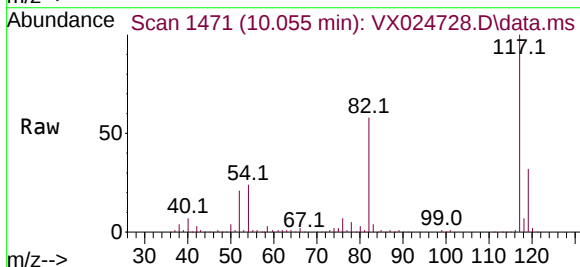
Instrument :
MSVOA_X
ClientSampled :

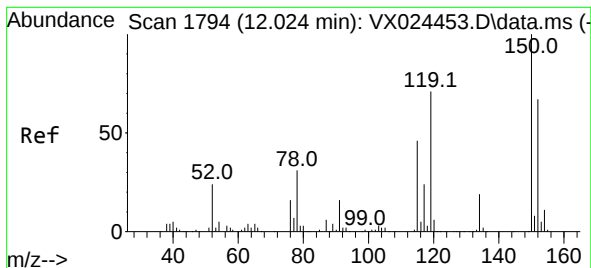
Tgt Ion: 95 Resp: 109300
Ion Ratio Lower Upper
95 100
174 82.3 0.0 154.6
176 79.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 117 Resp: 227616
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.1 26.6 39.8

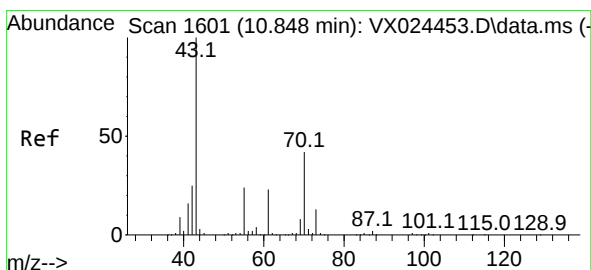
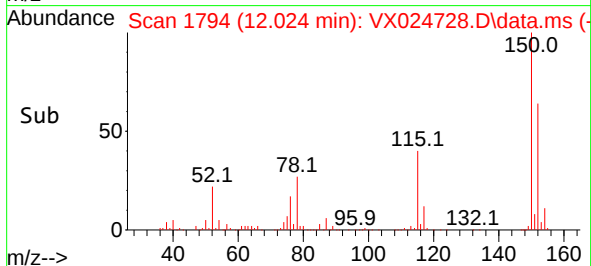
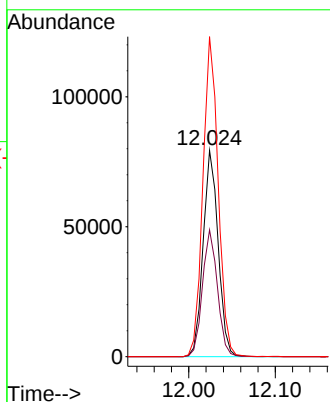
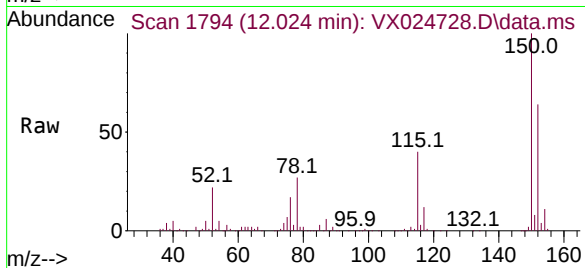




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

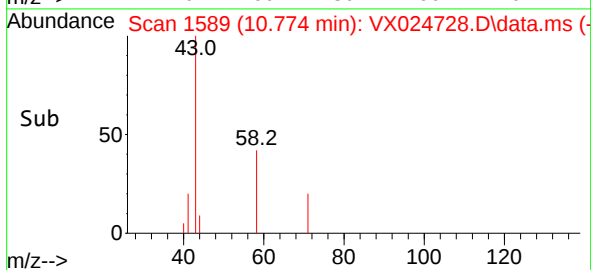
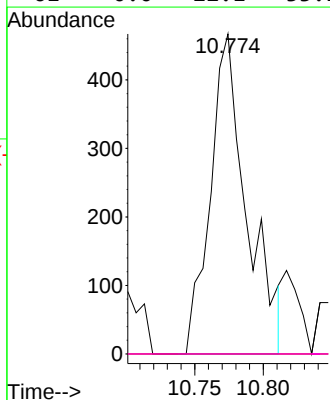
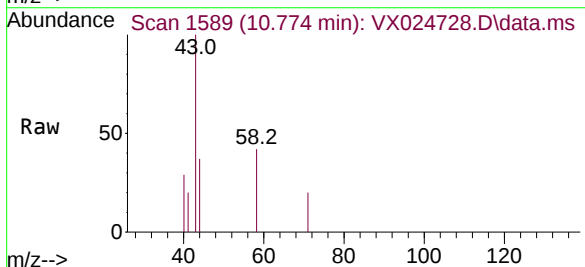
Instrument :
MSVOA_X
ClientSampled :

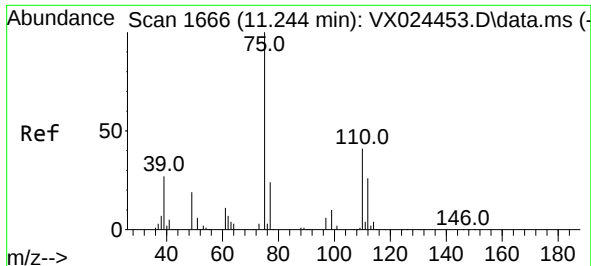
Tgt Ion:152 Resp: 95582
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 157.5 0.0 349.0



#74
N-ethyl acetate
Concen: 0.278 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

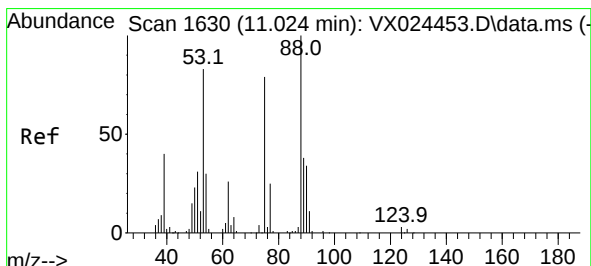
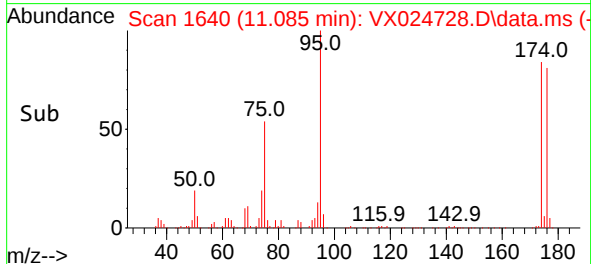
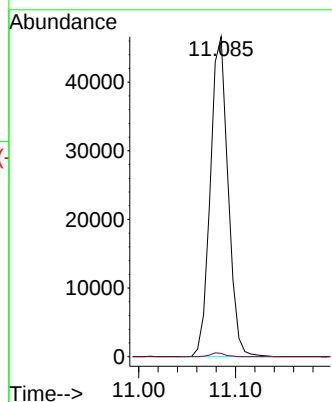
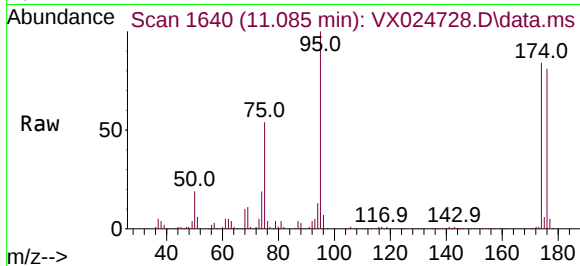




#76
1,2,3-Trichloropropane
Concen: 27.394 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 59461
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.516 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024728.D
Acq: 11 Oct 2021 21:32

Tgt Ion: 75 Resp: 59461
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

