

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024162.D
 Acq On : 10 Sep 2021 13:48
 Operator : JC/MD
 Sample : M3684-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 04:21:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	165450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	279172	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	264056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112325	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	125490	54.344	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.680%
35) Dibromofluoromethane	5.398	113	97911	52.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.980%
50) Toluene-d8	8.653	98	362699	51.573	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.140%
62) 4-Bromofluorobenzene	11.086	95	133435	51.541	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.080%

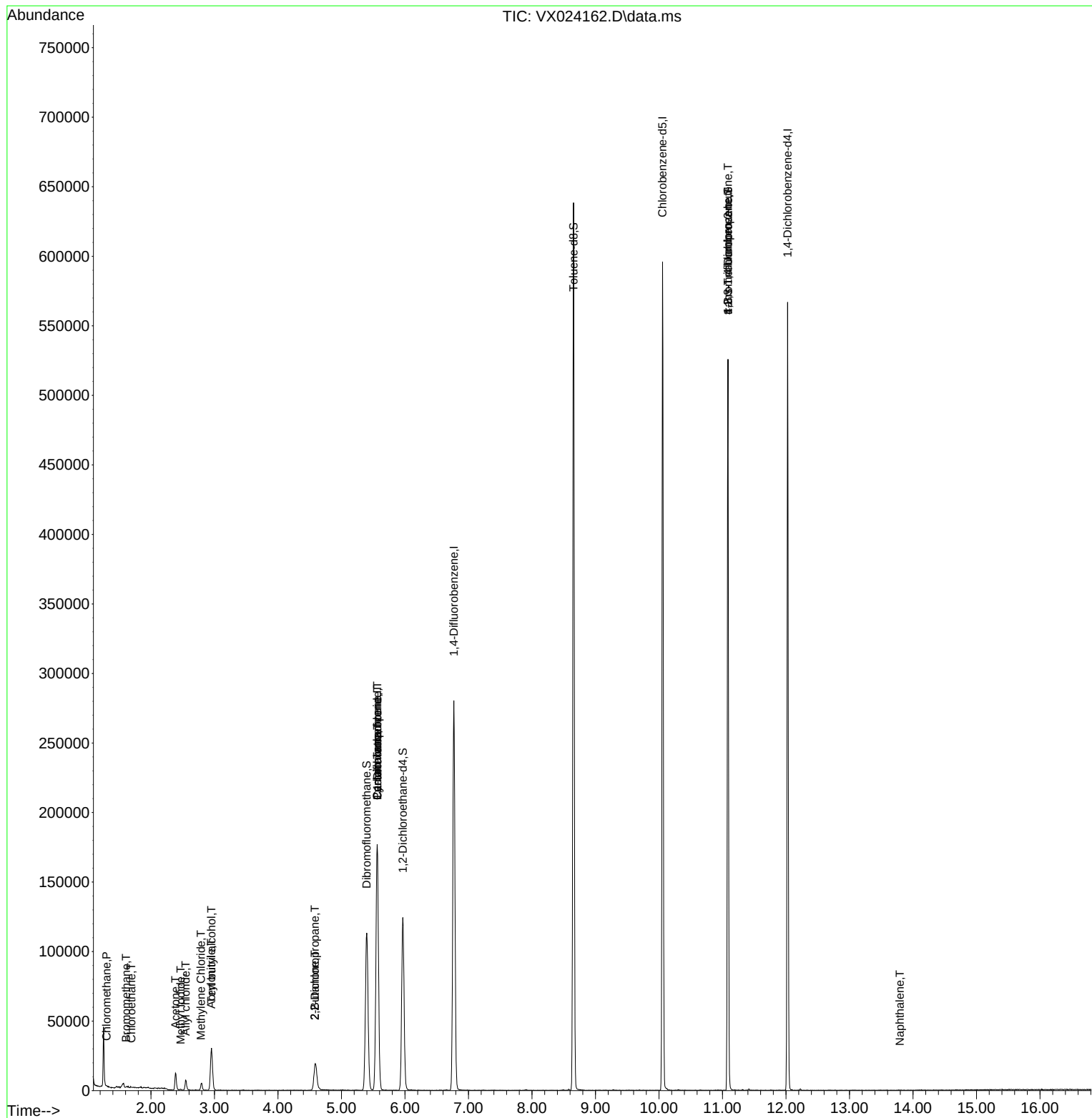
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.301	50	427	0.223	ug/l	91
5) Bromomethane	1.606	94	284	0.242	ug/l #	64
6) Chloroethane	1.691	64	304	2.403	ug/l	95
10) Methyl Iodide	2.465	142	584	0.253	ug/l #	73
11) Tert butyl alcohol	2.953	59	18250	39.081	ug/l #	78
14) Allyl chloride	2.544	41	929	0.317	ug/l #	45
15) Acrylonitrile	2.947	53	396	0.381	ug/l #	18
16) Acetone	2.386	43	13375	12.954	ug/l	89
20) Methylene Chloride	2.788	84	2347	1.190	ug/l #	90
25) 2-Butanone	4.581	43	671	0.429	ug/l #	45
26) 2,2-Dichloropropane	4.581	77	1487	0.559	ug/l #	52
31) Cyclohexane	5.562	56	3656	1.232	ug/l #	12
36) 1,1-Dichloropropene	5.562	75	13338	5.159	ug/l #	49
38) Carbon Tetrachloride	5.562	117	17618	6.535	ug/l #	16
76) 1,2,3-Trichloropropane	11.086	75	72101	27.517	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.086	75	72101	80.942	ug/l #	12
95) Naphthalene	13.792	128	107	1.295	ug/l #	69

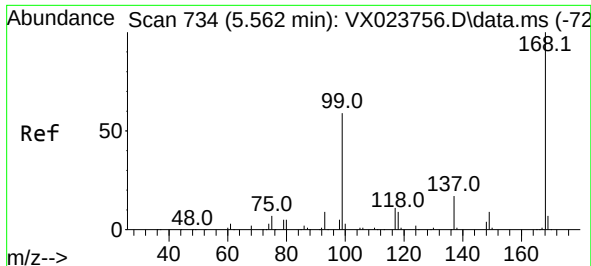
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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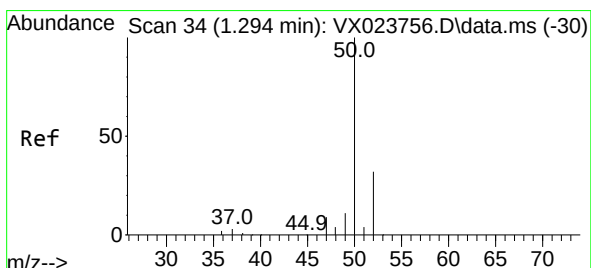
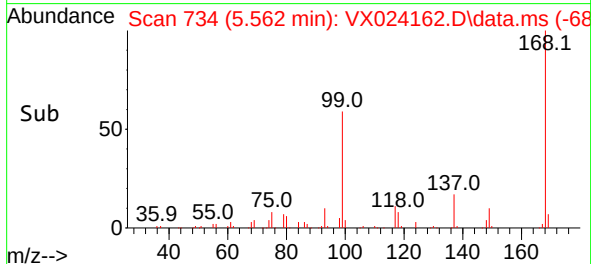
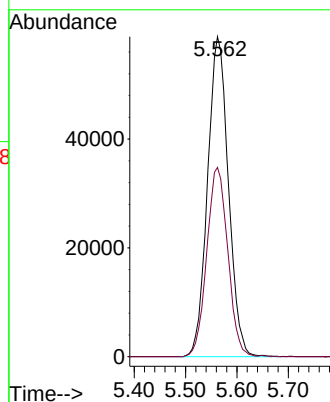
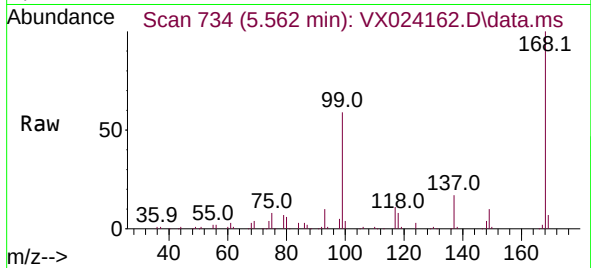




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

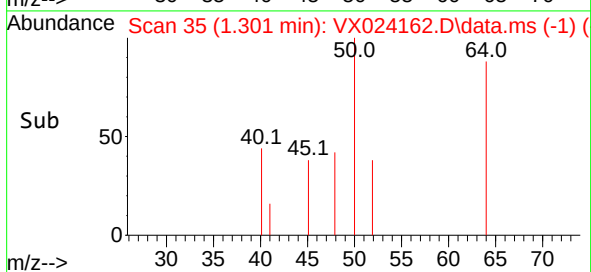
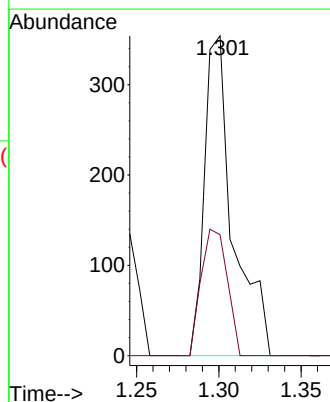
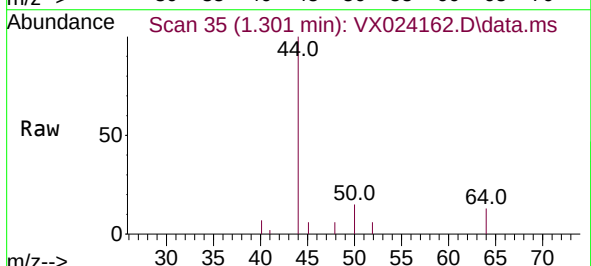
Instrument :
MSVOA_X
ClientSampled :

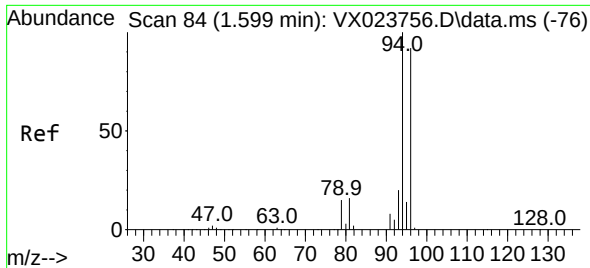
Tgt Ion:168 Resp: 165450
Ion Ratio Lower Upper
168 100
99 59.2 45.8 68.6



#3
Chloromethane
Concen: 0.223 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 37.9 26.4 39.6

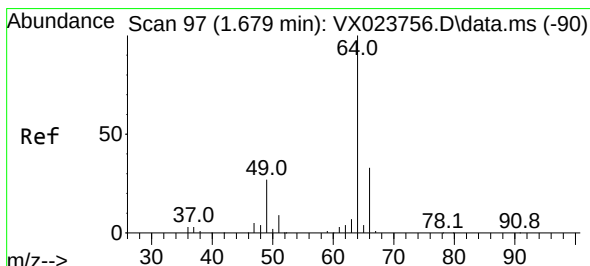
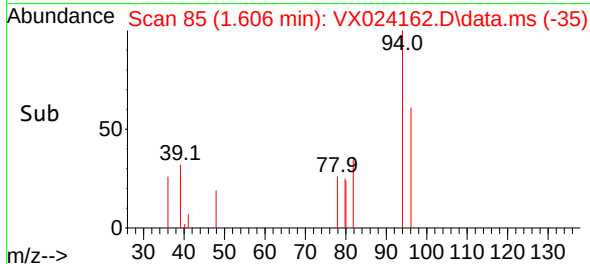
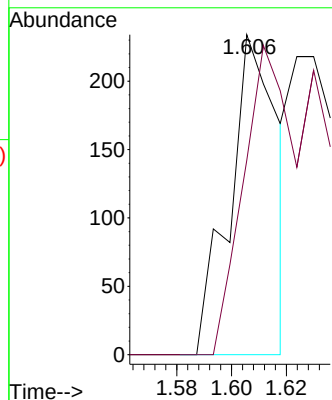
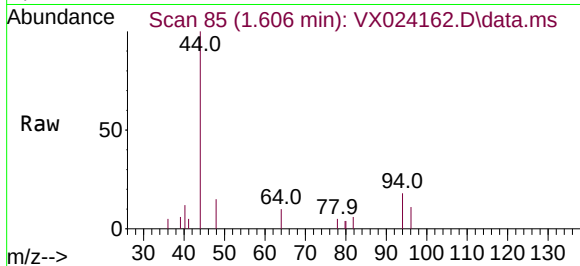




#5
Bromomethane
Concen: 0.242 ug/l
RT: 1.606 min Scan# 85
Delta R.T. 0.007 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

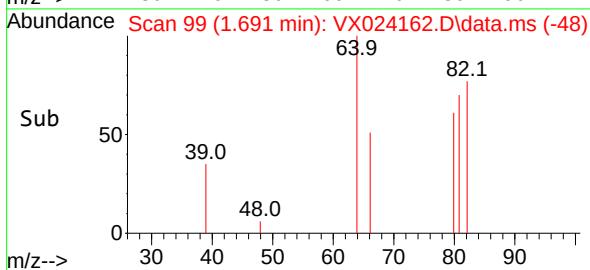
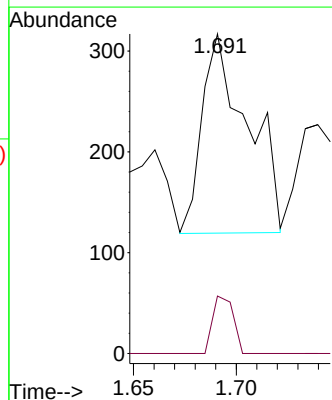
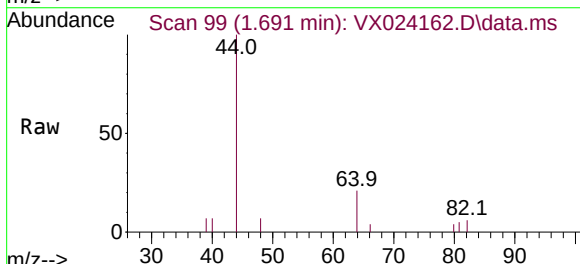
Instrument :
MSVOA_X
ClientSampled :

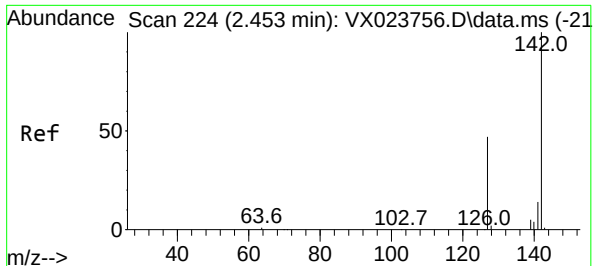
Tgt Ion: 94 Resp: 284
Ion Ratio Lower Upper
94 100
96 60.7 76.4 114.6#



#6
Chloroethane
Concen: 2.403 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

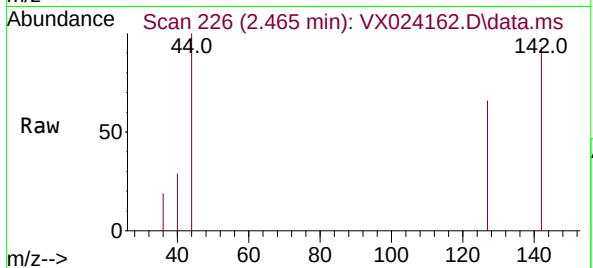
Tgt Ion: 64 Resp: 304
Ion Ratio Lower Upper
64 100
66 28.9 25.4 38.0



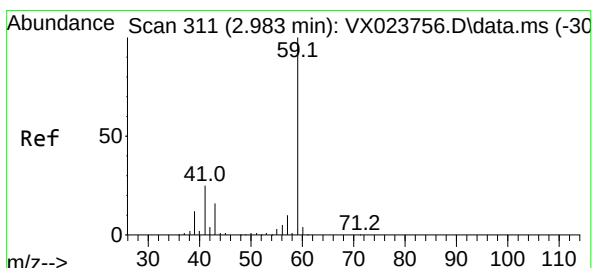
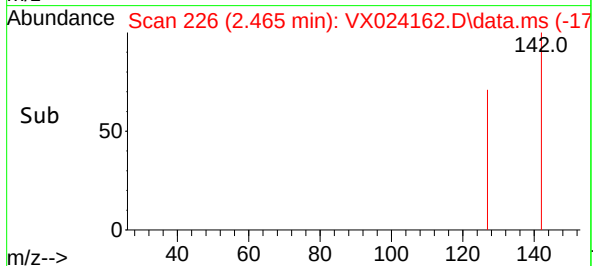
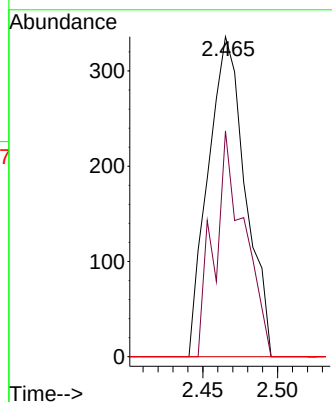


#10
Methyl Iodide
Concen: 0.253 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Instrument :
MSVOA_X
ClientSampled :

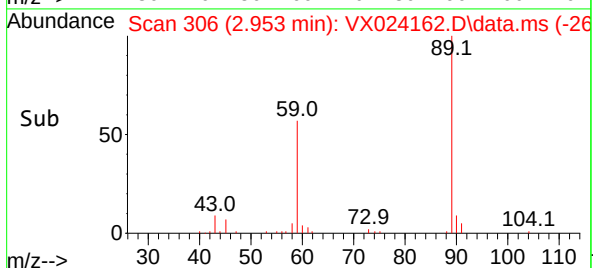
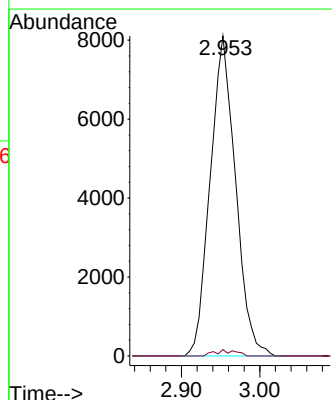
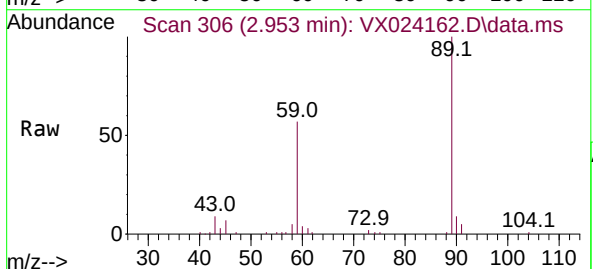


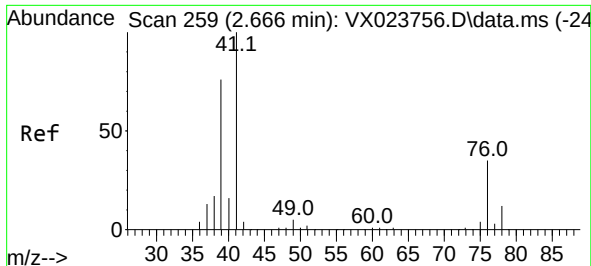
Tgt Ion:142 Resp: 584
Ion Ratio Lower Upper
142 100
127 56.5 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 39.081 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

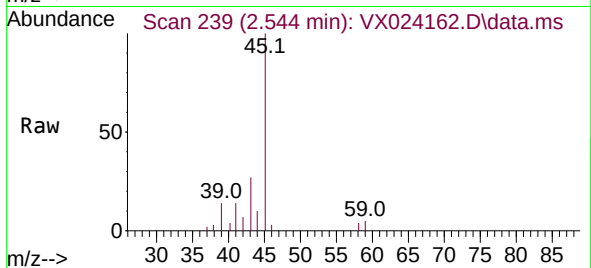
Tgt Ion: 59 Resp: 18250
Ion Ratio Lower Upper
59 100
57 1.6 7.8 11.8#



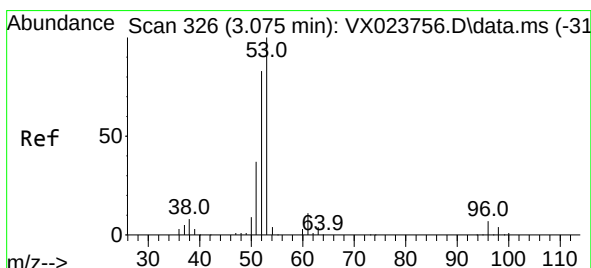
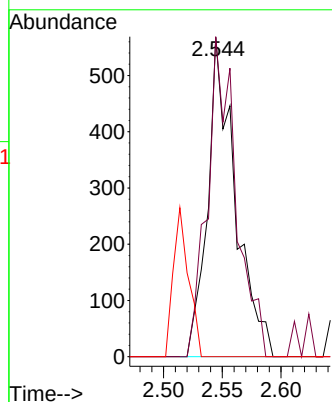
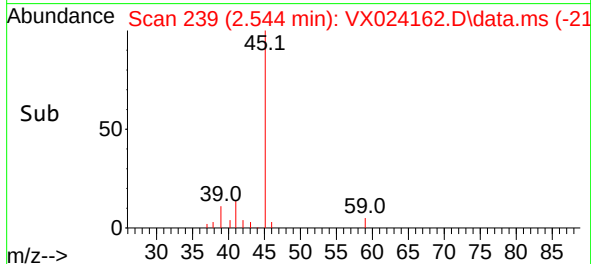


#14
 Allyl chloride
 Concen: 0.317 ug/l
 RT: 2.544 min Scan# 239
 Delta R.T. -0.122 min
 Lab File: VX024162.D
 Acq: 10 Sep 2021 13:48

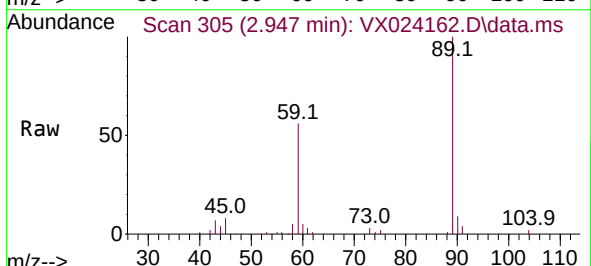
Instrument :
 MSVOA_X
 ClientSampled :



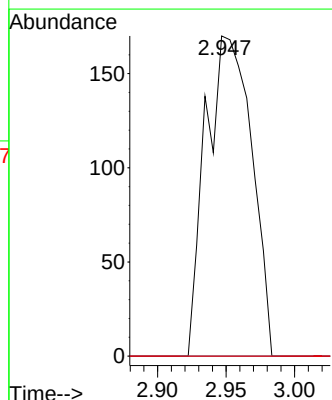
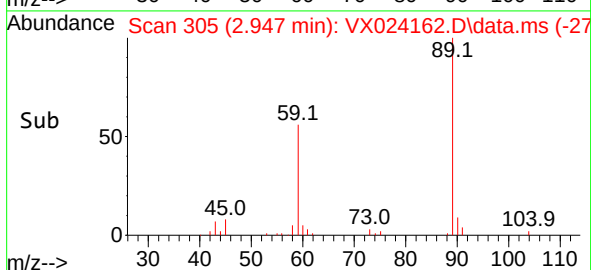
Tgt Ion:	41	Resp:	929
Ion	Ratio	Lower	Upper
41	100		
39	104.1	51.6	77.4#
76	0.0	30.5	45.7#

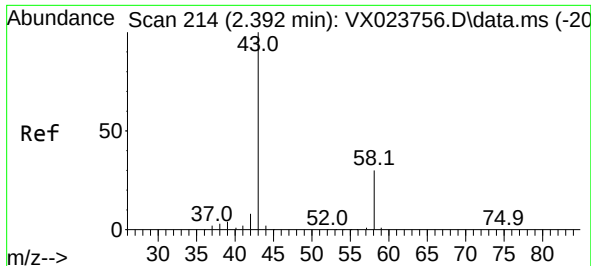


#15
 Acrylonitrile
 Concen: 0.381 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.128 min
 Lab File: VX024162.D
 Acq: 10 Sep 2021 13:48



Tgt Ion:	53	Resp:	396
Ion	Ratio	Lower	Upper
53	100		
52	0.0	65.3	97.9#
51	0.0	28.2	42.2#

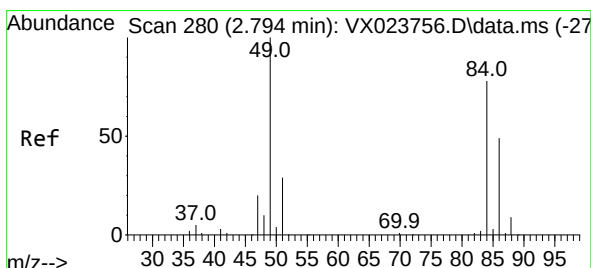
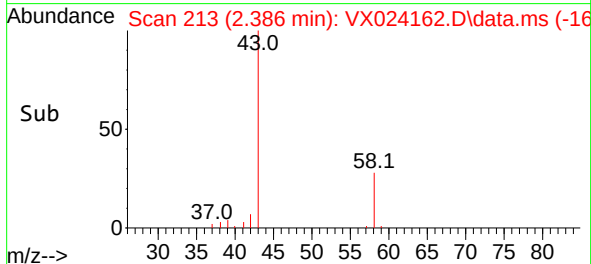
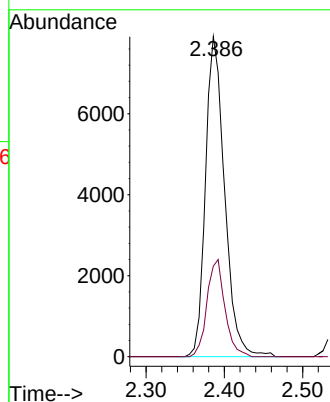
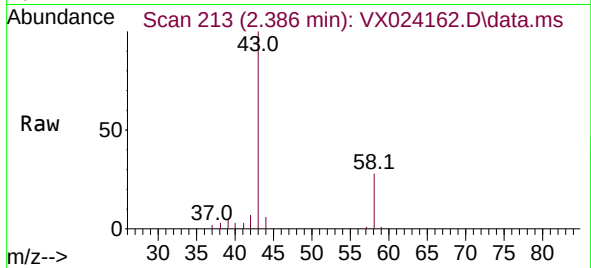




#16
Acetone
Concen: 12.954 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

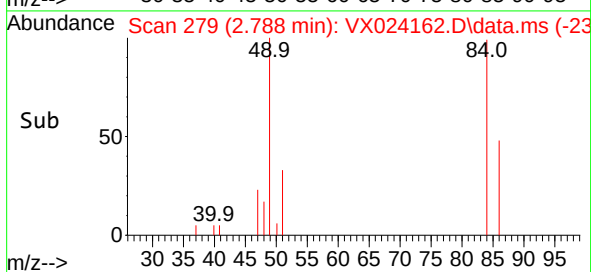
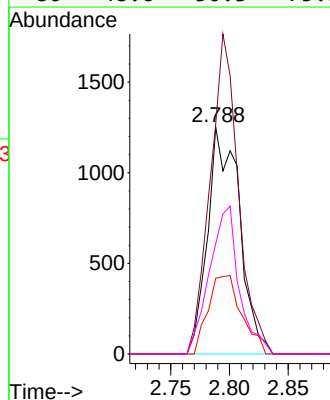
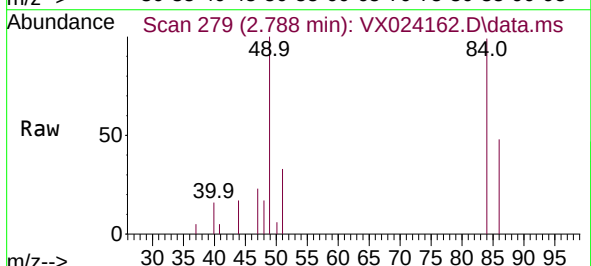
Instrument :
MSVOA_X
ClientSampled :

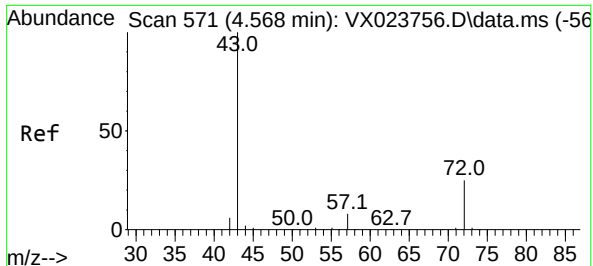
Tgt Ion: 43 Resp: 13375
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8



#20
Methylene Chloride
Concen: 1.190 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Tgt Ion: 84 Resp: 2347
Ion Ratio Lower Upper
84 100
49 101.4 88.6 132.8
51 33.4 27.0 40.6
86 48.6 50.3 75.5#





#25

2-Butanone

Concen: 0.429 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.013 min

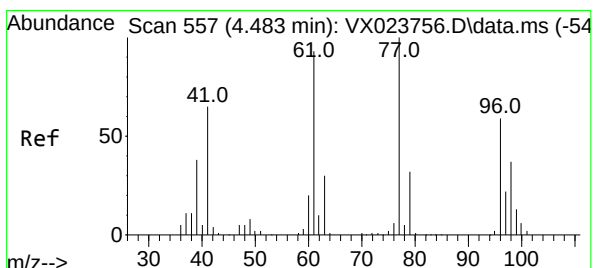
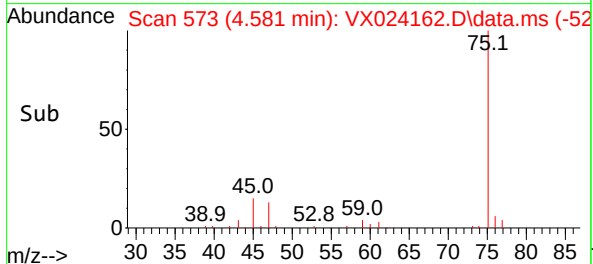
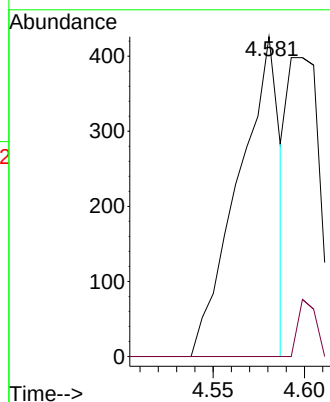
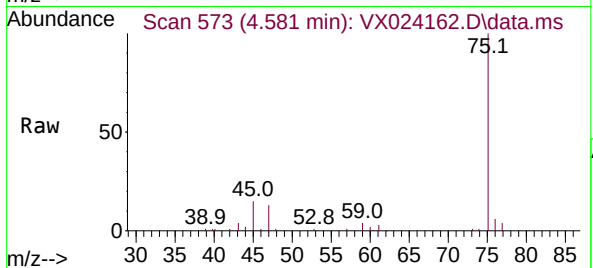
Lab File: VX024162.D

Acq: 10 Sep 2021 13:48

Tgt Ion: 43 Resp: 671

Ion Ratio Lower Upper

43 100
72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.559 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.098 min

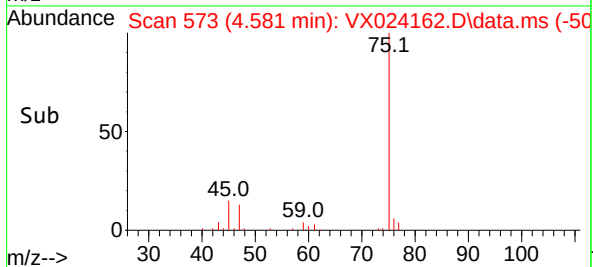
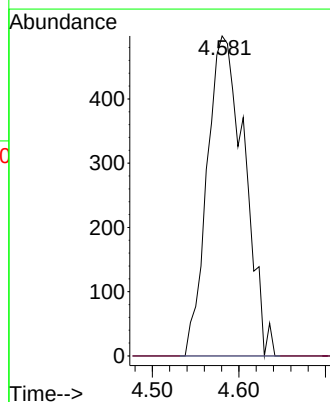
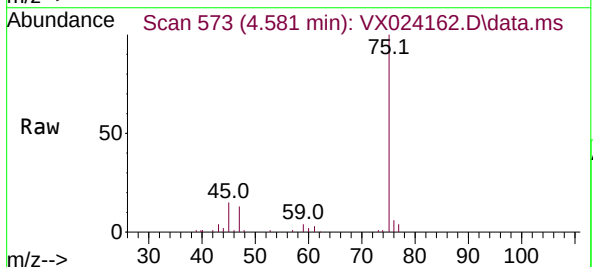
Lab File: VX024162.D

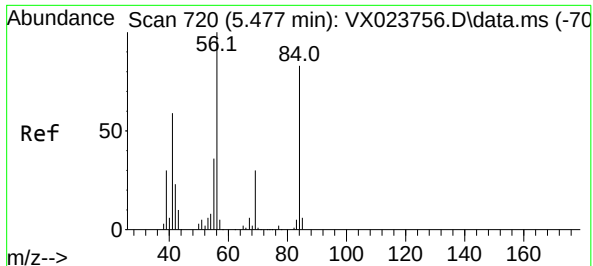
Acq: 10 Sep 2021 13:48

Tgt Ion: 77 Resp: 1487

Ion Ratio Lower Upper

77 100
97 0.0 11.7 35.1#

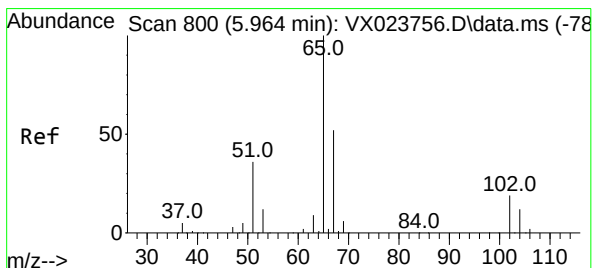
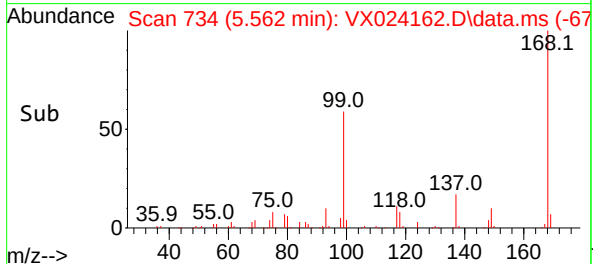
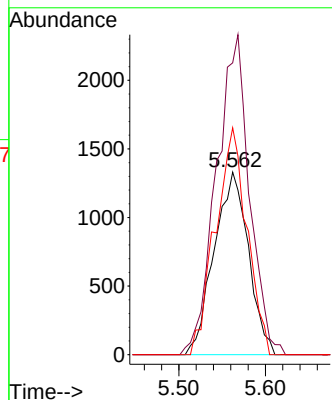
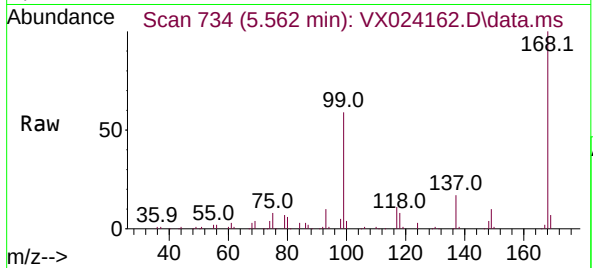




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

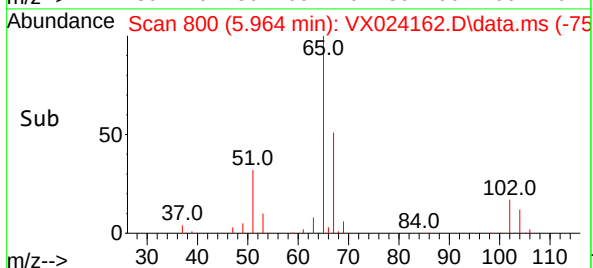
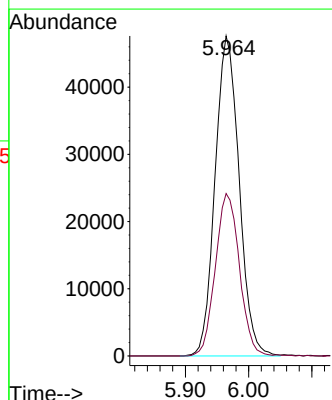
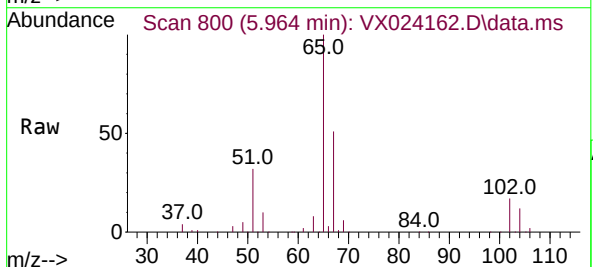
Instrument :
MSVOA_X
ClientSampled :

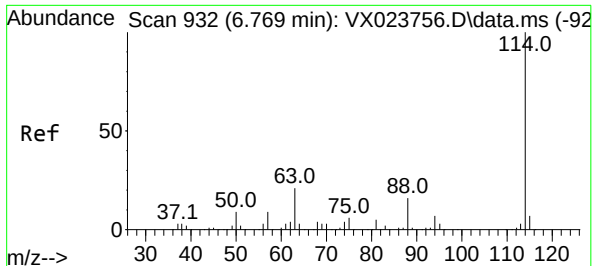
Tgt Ion: 56 Resp: 3656
Ion Ratio Lower Upper
56 100
69 159.9 25.3 37.9#
84 124.3 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 54.344 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Tgt Ion: 65 Resp: 125490
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

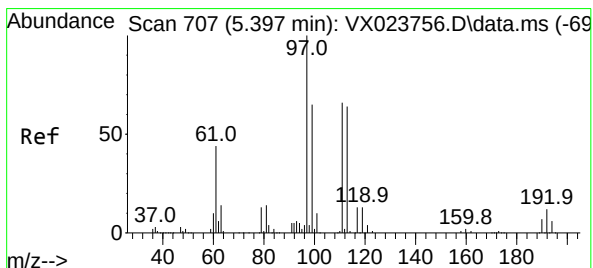
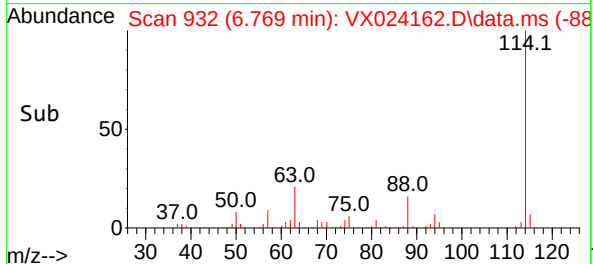
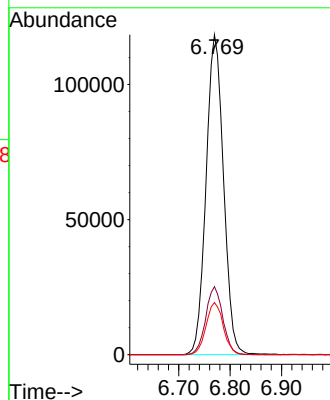
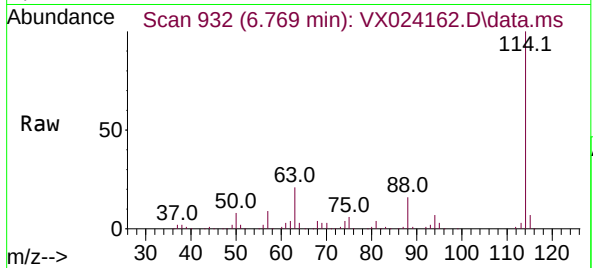




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

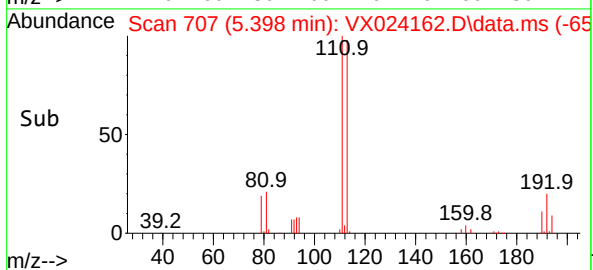
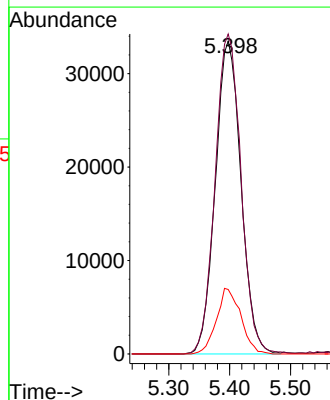
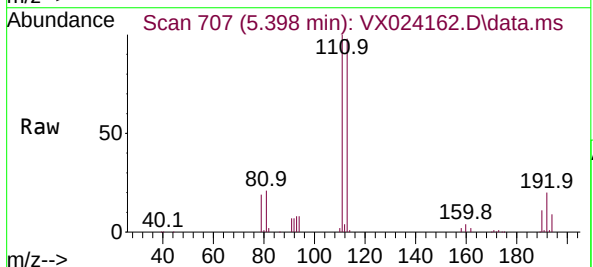
Instrument :
MSVOA_X
ClientSampled :

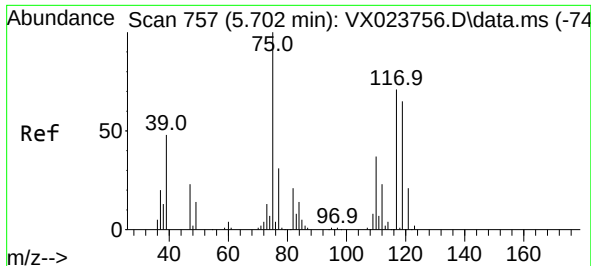
Tgt Ion:114 Resp: 279172
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.989 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.001 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Tgt Ion:113 Resp: 97911
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 19.9 16.7 25.1

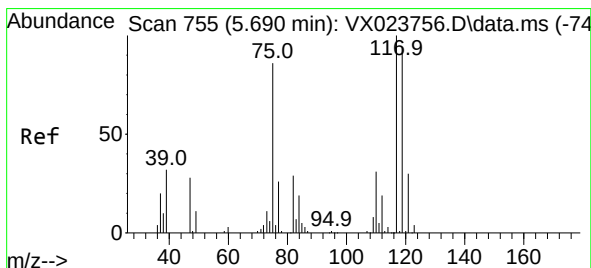
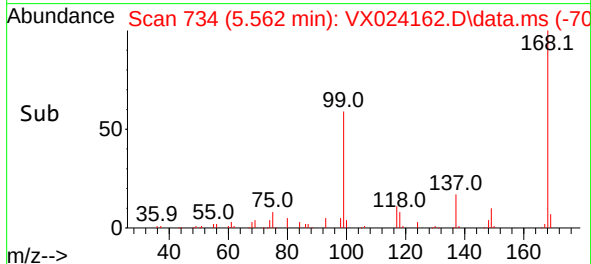
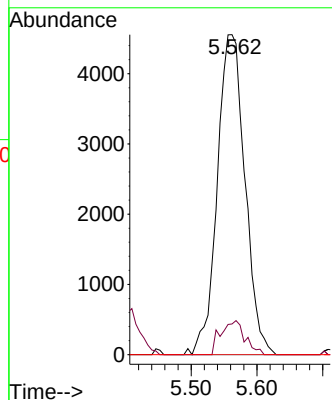
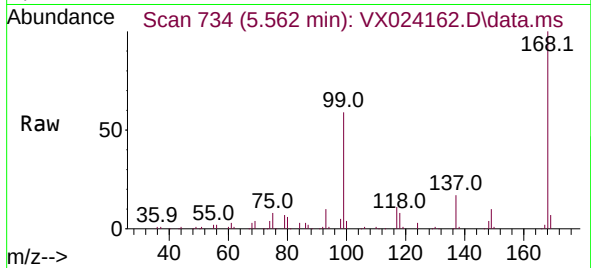




#36
1,1-Dichloropropene
Concen: 5.159 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

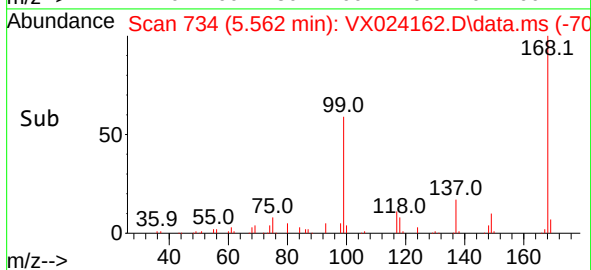
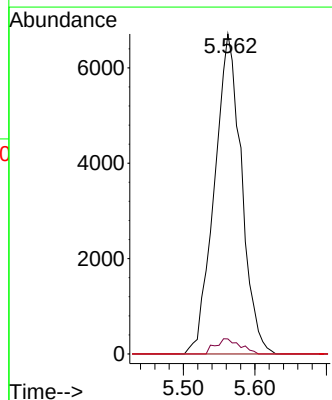
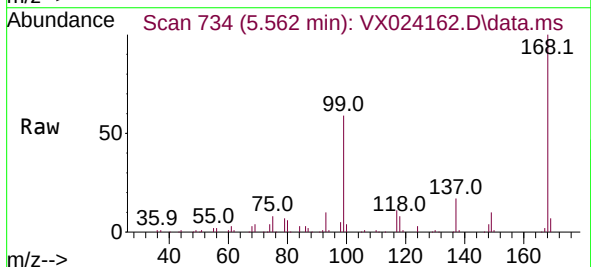
Instrument :
MSVOA_X
ClientSampled :

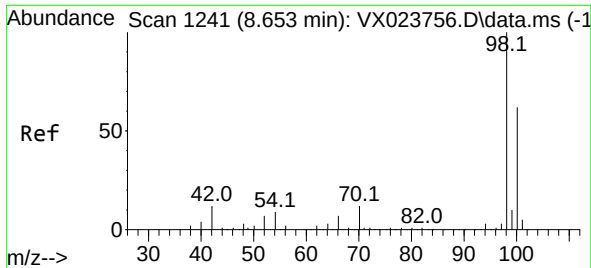
Tgt Ion: 75 Resp: 13338
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.535 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Tgt Ion:117 Resp: 17618
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

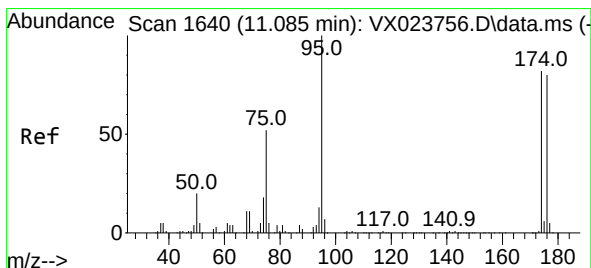
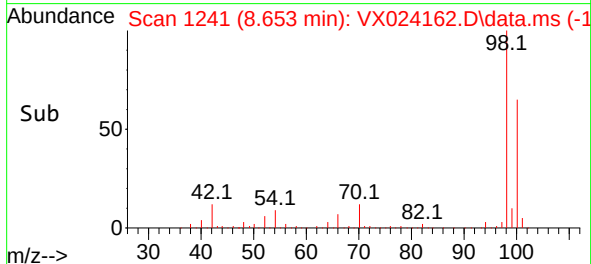
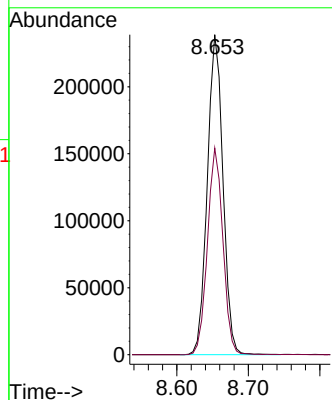
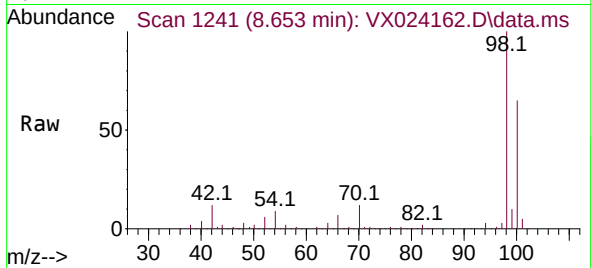




#50
Toluene-d8
Concen: 51.573 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

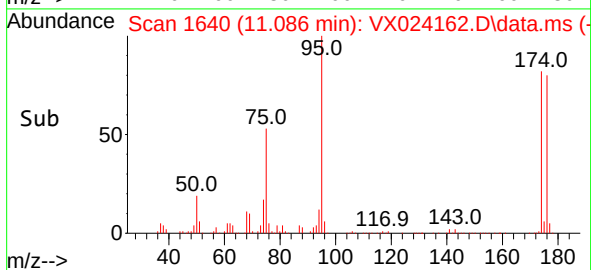
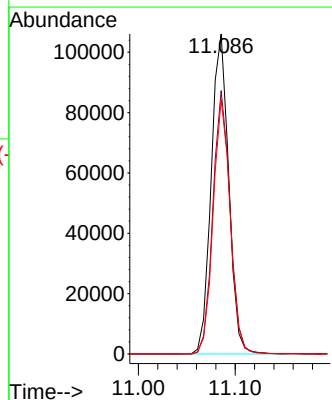
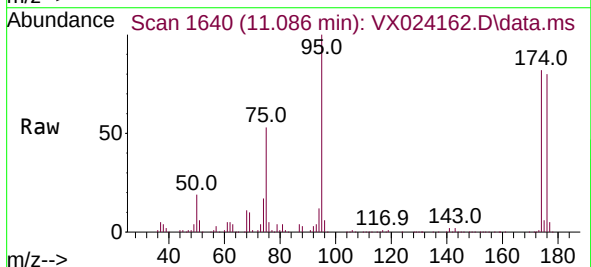
Instrument :
MSVOA_X
ClientSampled :

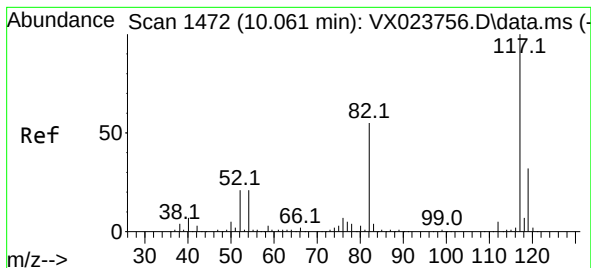
Tgt Ion: 98 Resp: 362699
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 51.541 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.001 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Tgt Ion: 95 Resp: 133435
Ion Ratio Lower Upper
95 100
174 80.9 0.0 154.6
176 77.6 0.0 155.8

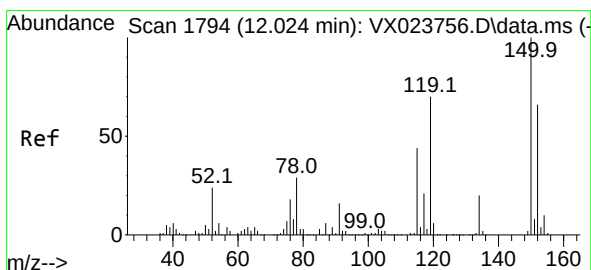
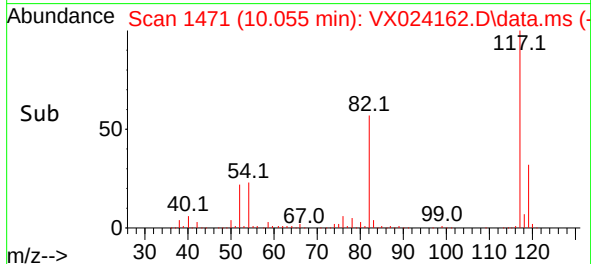
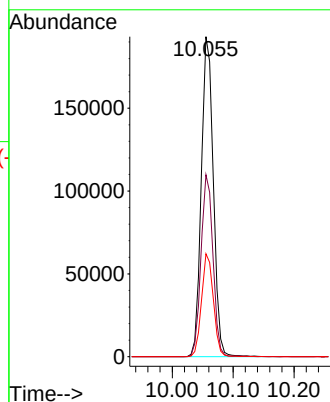
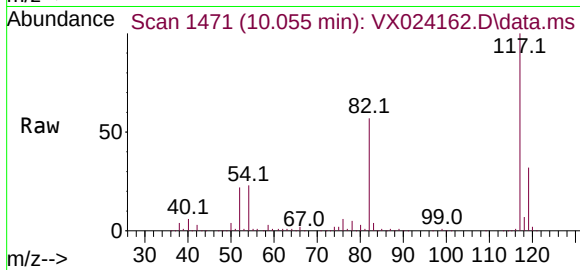




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

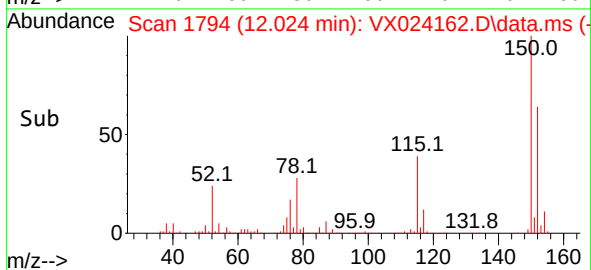
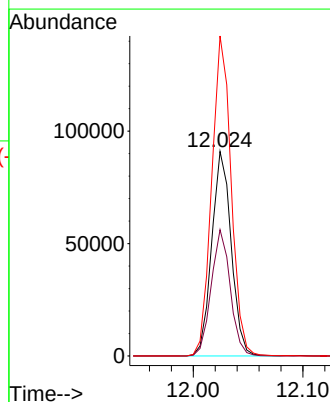
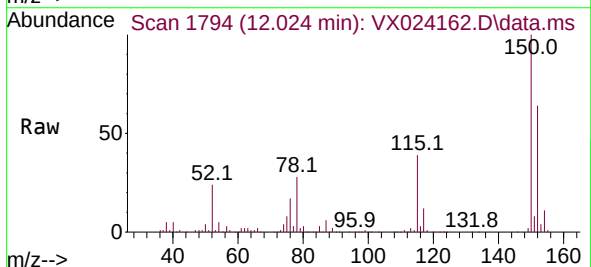
Instrument :
MSVOA_X
ClientSampled :

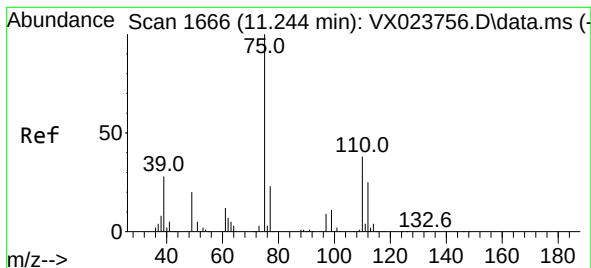
Tgt Ion:117 Resp: 264056
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Tgt Ion:152 Resp: 112325
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 156.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 27.517 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX024162.D

Acq: 10 Sep 2021 13:48

Tgt Ion: 75 Resp: 72101

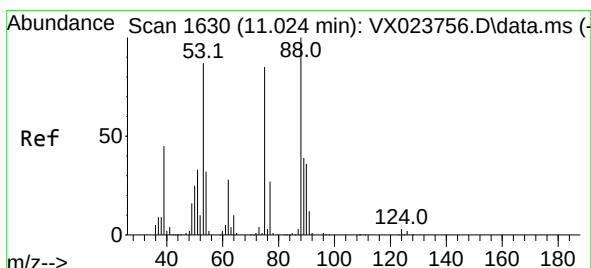
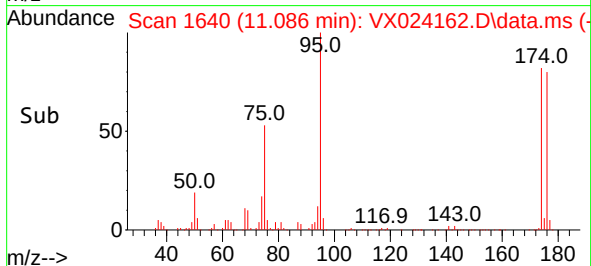
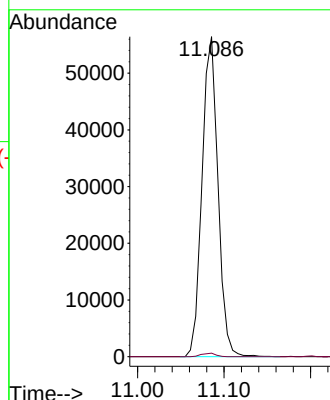
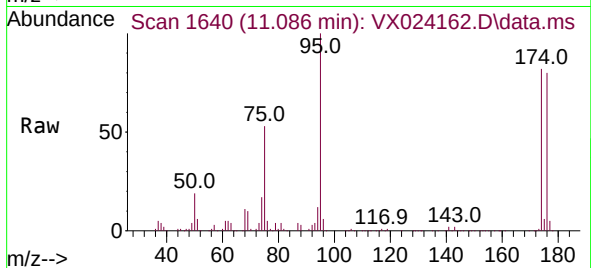
Ion Ratio Lower Upper

75 100
77 1.0 19.1 57.5#

Instrument :

MSVOA_X

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 80.942 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.062 min

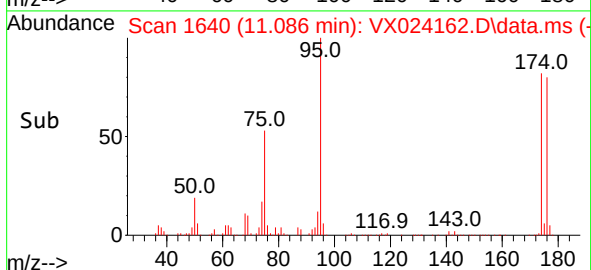
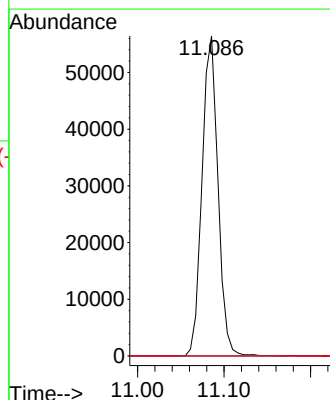
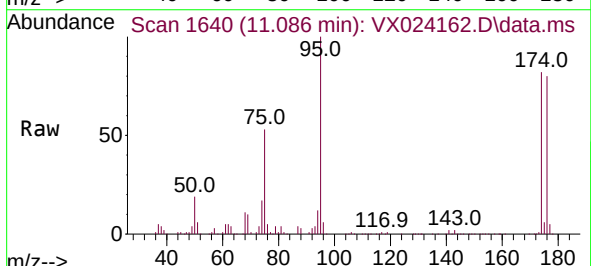
Lab File: VX024162.D

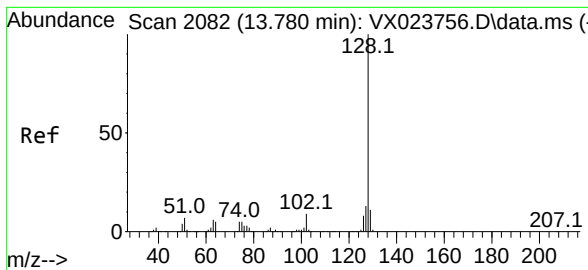
Acq: 10 Sep 2021 13:48

Tgt Ion: 75 Resp: 72101

Ion Ratio Lower Upper

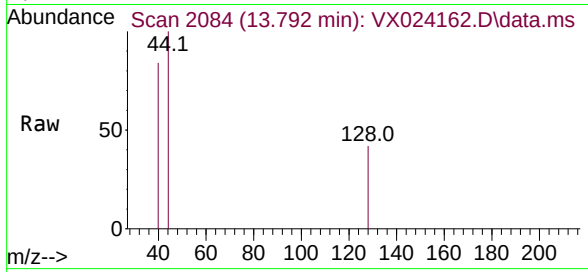
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.295 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.012 min
Lab File: VX024162.D
Acq: 10 Sep 2021 13:48

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 107
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

