

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090921\
 Data File : VX024145.D
 Acq On : 09 Sep 2021 17:07
 Operator : JC/MD
 Sample : M3686-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 10 07:30:12 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

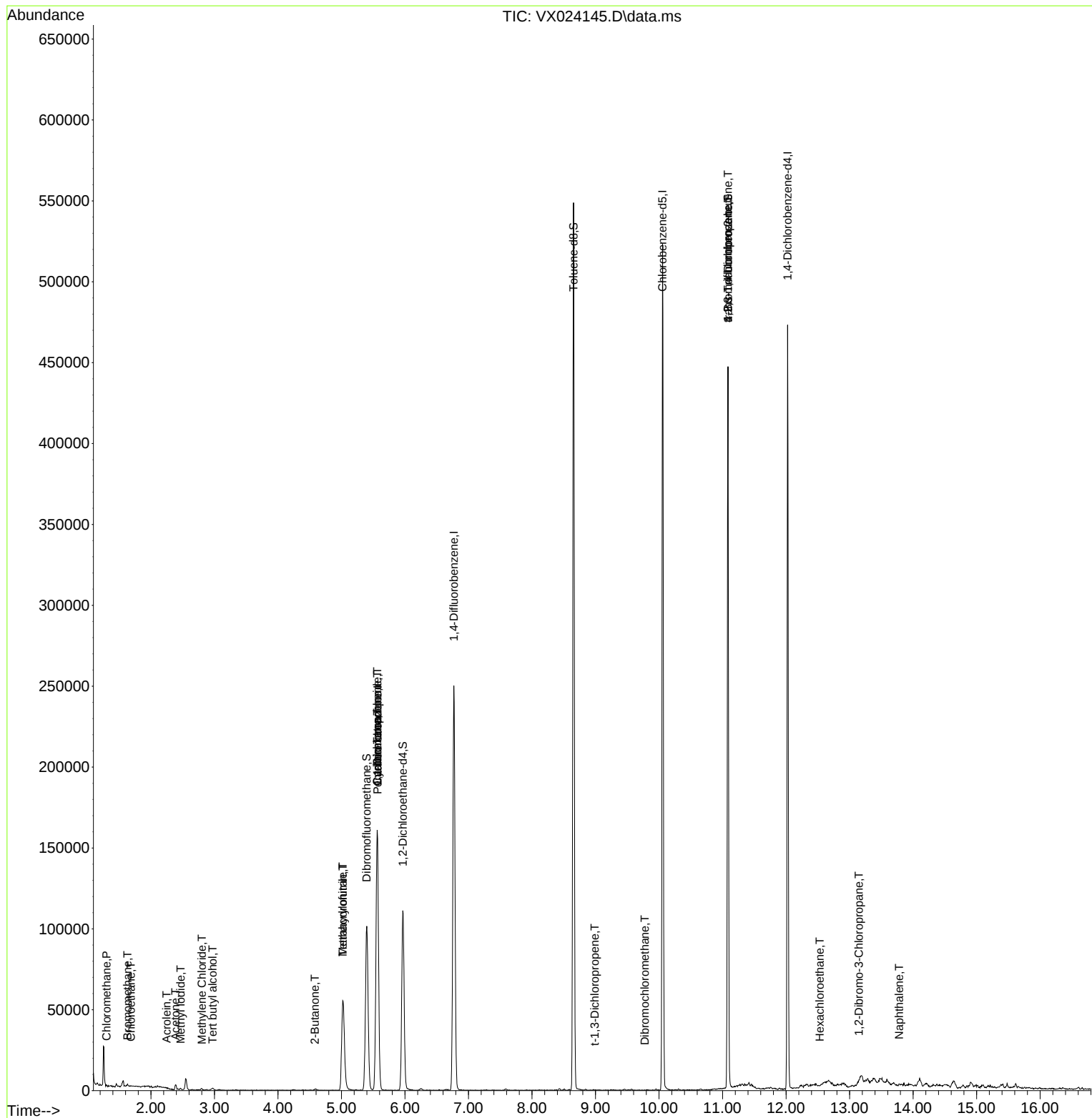
Compound	R.T.	T. Q	Ion	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.568	168		149871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114		250029	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		229741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		93486	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65		112086	53.585	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.180%	
35) Dibromofluoromethane	5.397	113		85642	51.751	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.500%	
50) Toluene-d8	8.653	98		316151	50.194	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.380%	
62) 4-Bromofluorobenzene	11.085	95		112233	48.404	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.800%	
Target Compounds							
						Qvalue	
3) Chloromethane	1.300	50		419	0.241	ug/l	95
5) Bromomethane	1.630	94		712	0.669	ug/l	97
6) Chloroethane	1.685	64		414	2.497	ug/l #	43
10) Methyl Iodide	2.465	142		1169	0.558	ug/l	90
11) Tert butyl alcohol	2.971	59		1521	3.596	ug/l #	84
13) Acrolein	2.245	56		68	0.270	ug/l #	21
16) Acetone	2.386	43		3820	4.084	ug/l	96
20) Methylene Chloride	2.800	84		492	0.275	ug/l #	67
25) 2-Butanone	4.580	43		324	0.229	ug/l #	45
29) Tetrahydrofuran	5.019	42		50992	55.573	ug/l	90
31) Cyclohexane	5.562	56		3317	1.234	ug/l #	15
36) 1,1-Dichloropropene	5.562	75		11852	5.119	ug/l #	50
38) Carbon Tetrachloride	5.562	117		15765	6.529	ug/l #	16
41) Methacrylonitrile	5.019	41		31808	20.615	ug/l #	43
53) t-1,3-Dichloropropene	8.988	75		40	2.150	ug/l #	44
60) Dibromochloromethane	9.775	129		30	1.702	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75		59596	27.328	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75		59596	80.386	ug/l #	12
90) Hexachloroethane	12.530	117		47	1.510	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	13.146	75		140	2.406	ug/l #	1
95) Naphthalene	13.780	128		548	1.361	ug/l #	52

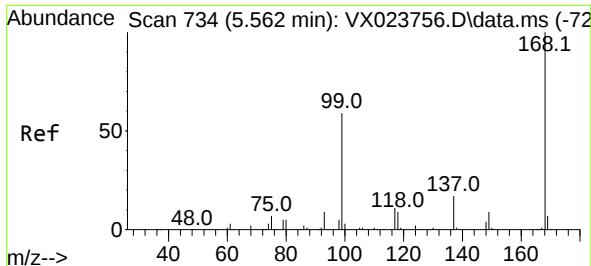
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
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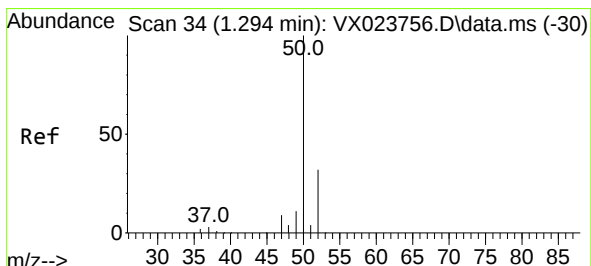
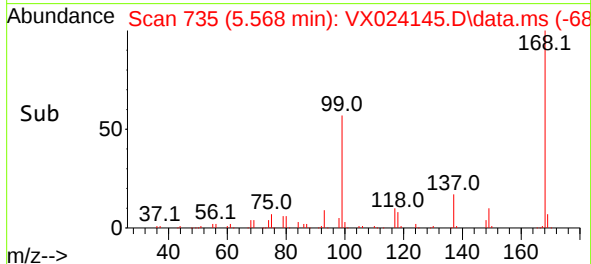
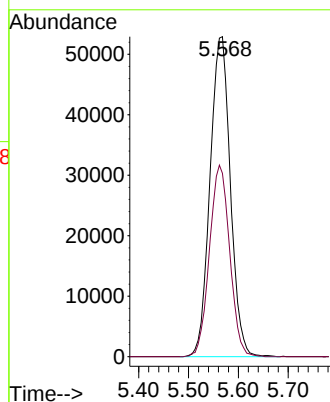
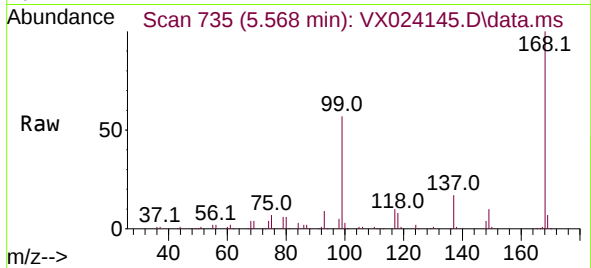




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

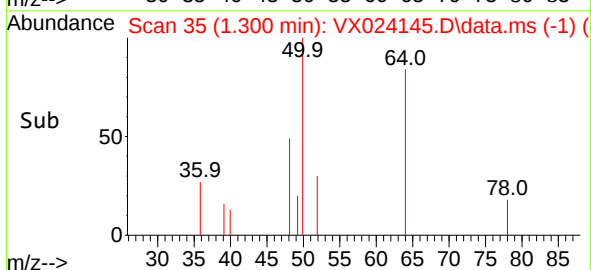
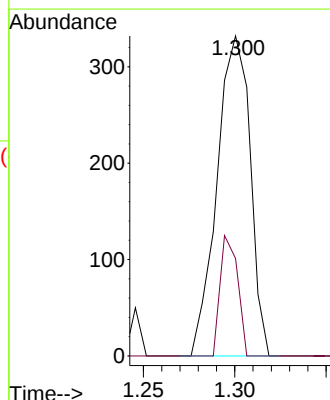
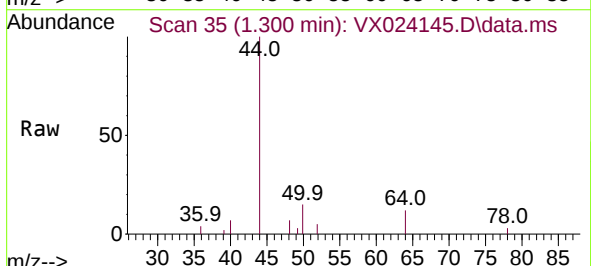
Instrument :
MSVOA_X
ClientSampled :

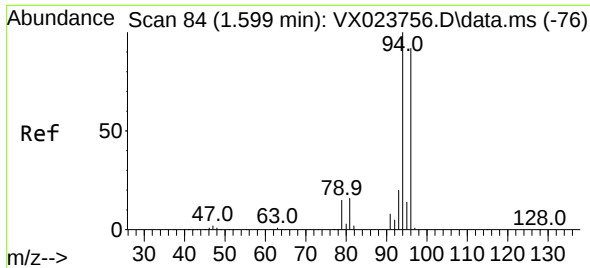
Tgt Ion:168 Resp: 149871
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#3
Chloromethane
Concen: 0.241 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 30.4 26.4 39.6

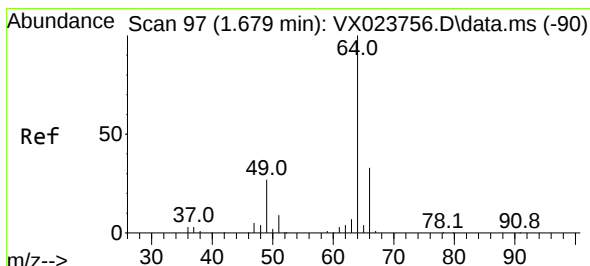
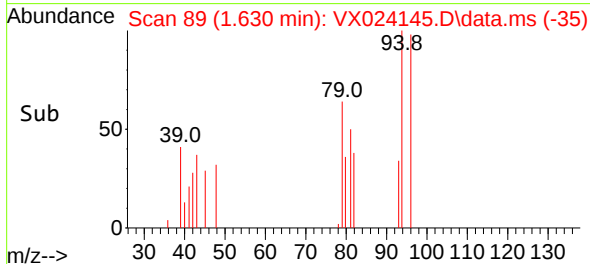
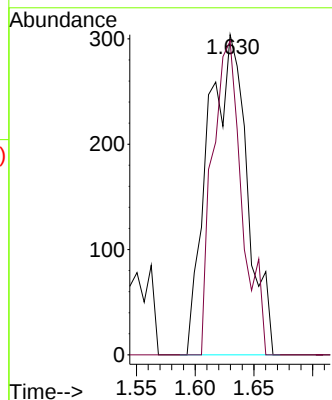
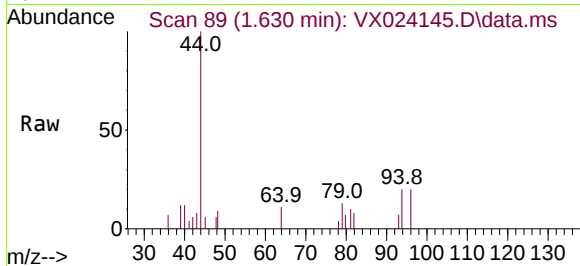




#5
Bromomethane
Concen: 0.669 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

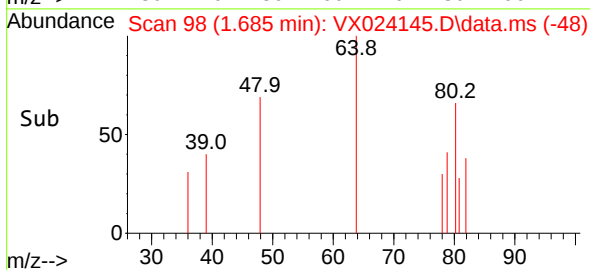
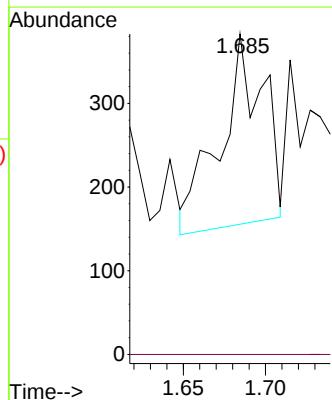
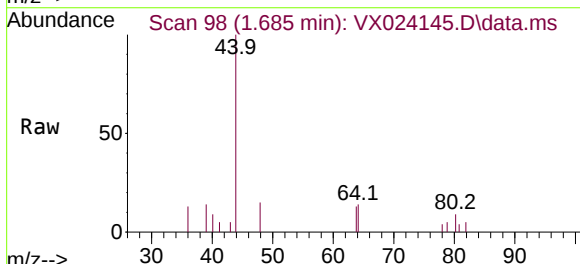
Instrument :
MSVOA_X
ClientSampled :

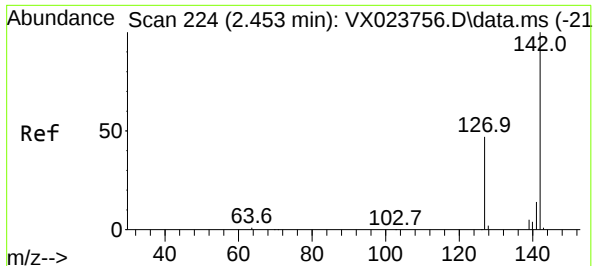
Tgt Ion: 94 Resp: 712
Ion Ratio Lower Upper
94 100
96 98.0 76.4 114.6



#6
Chloroethane
Concen: 2.497 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

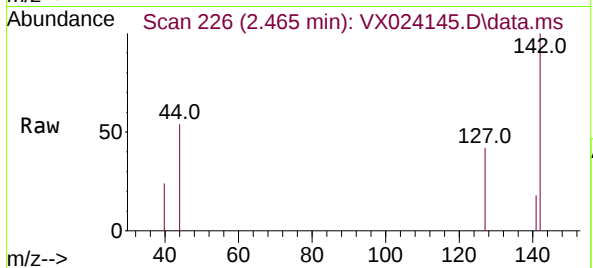
Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



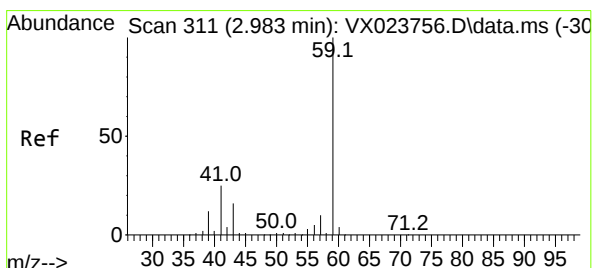
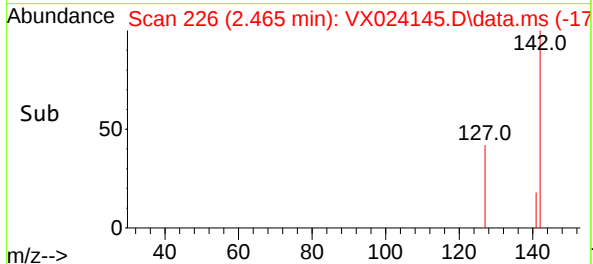
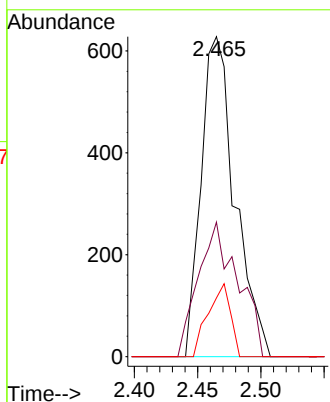


#10
Methyl Iodide
Concen: 0.558 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Instrument :
MSVOA_X
ClientSampleId :

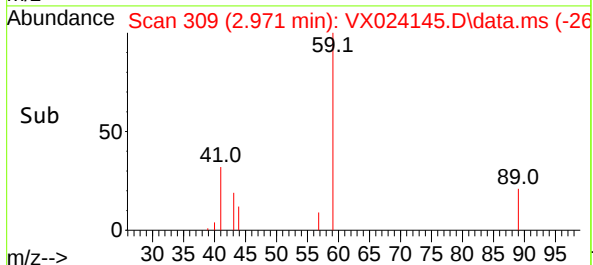
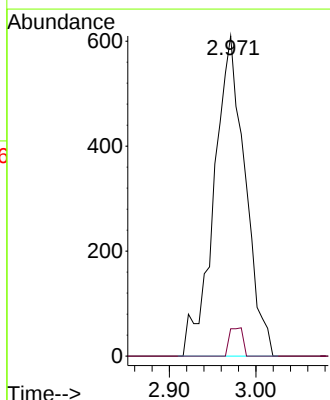
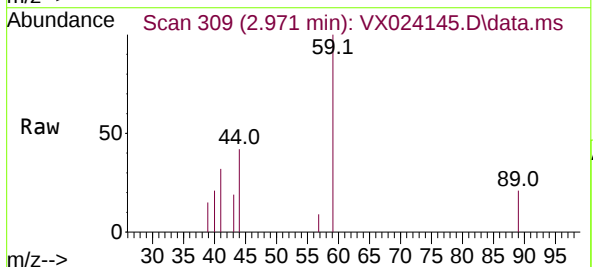


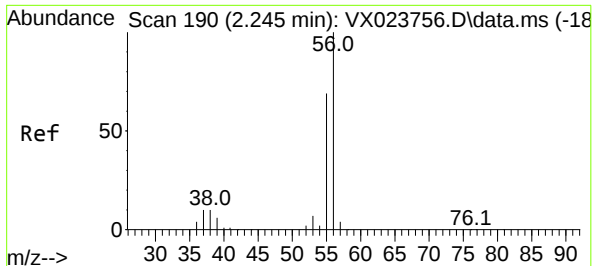
Tgt Ion:142 Resp: 1169
Ion Ratio Lower Upper
142 100
127 49.3 33.3 49.9
141 15.1 11.4 17.0



#11
Tert butyl alcohol
Concen: 3.596 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Tgt Ion: 59 Resp: 1521
Ion Ratio Lower Upper
59 100
57 3.8 7.8 11.8#

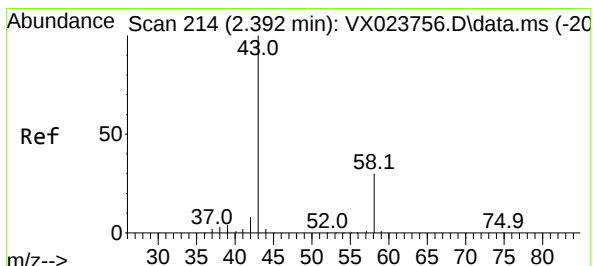
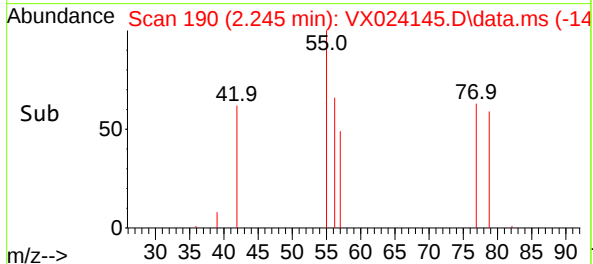
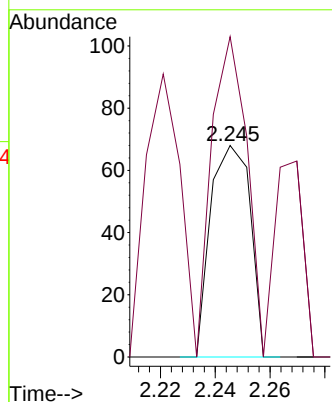
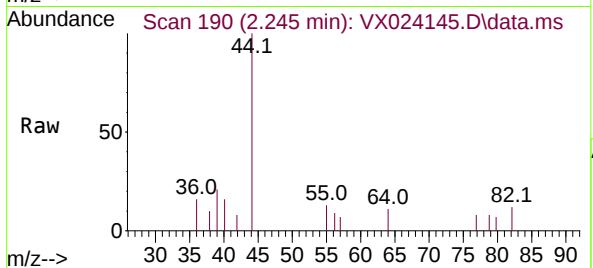




#13
Acrolein
Concen: 0.270 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

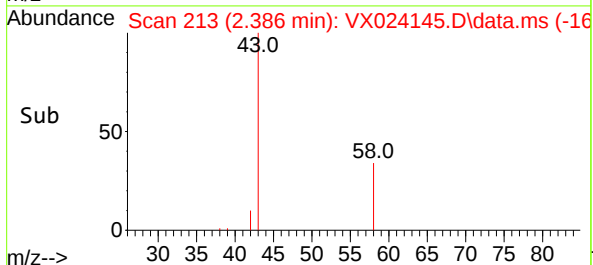
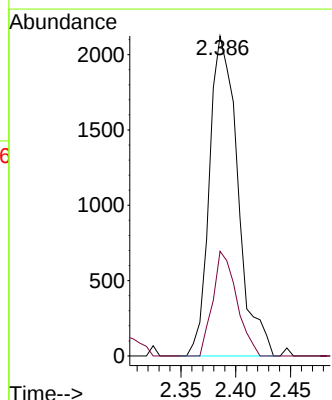
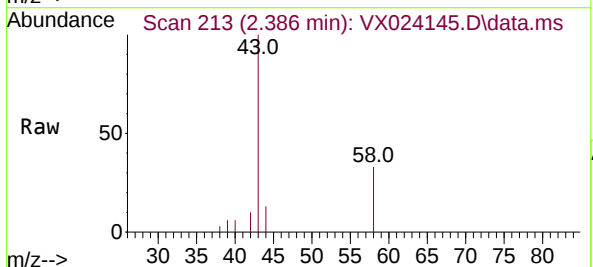
Instrument :
MSVOA_X
ClientSampled :

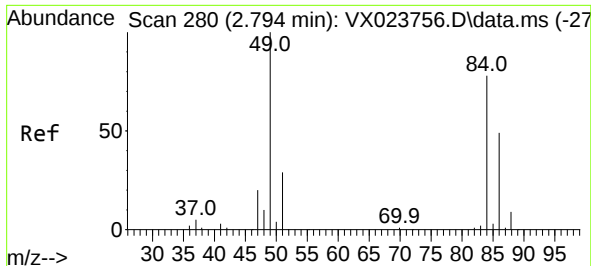
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 135.3 56.4 84.6#



#16
Acetone
Concen: 4.084 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Tgt Ion: 43 Resp: 3820
Ion Ratio Lower Upper
43 100
58 32.7 27.8 41.8





#20

Methylene Chloride

Concen: 0.275 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX024145.D

Acq: 09 Sep 2021 17:07

Tgt Ion: 84 Resp: 492

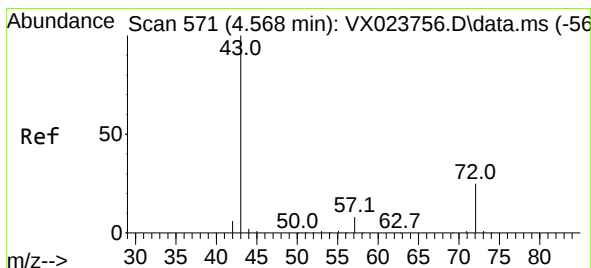
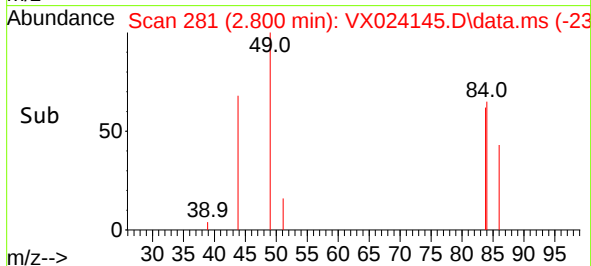
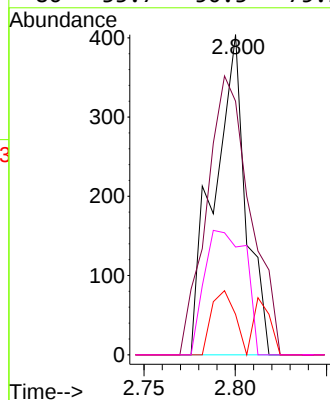
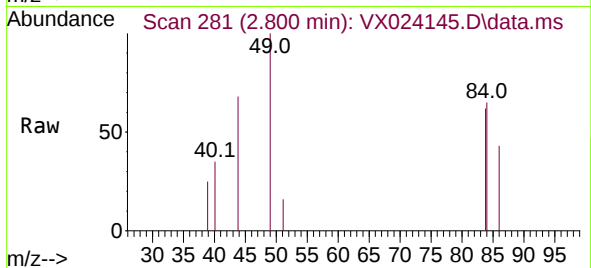
Ion Ratio Lower Upper

84 100

49 79.2 88.6 132.8#

51 12.6 27.0 40.6#

86 33.7 50.3 75.5#



#25

2-Butanone

Concen: 0.229 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX024145.D

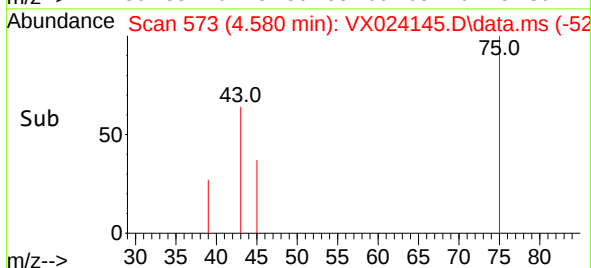
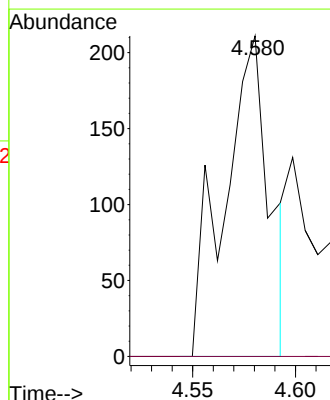
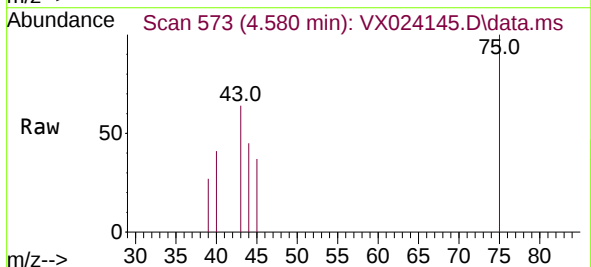
Acq: 09 Sep 2021 17:07

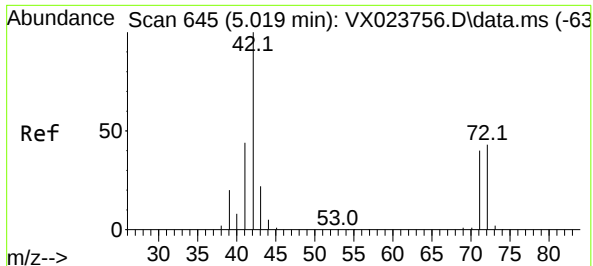
Tgt Ion: 43 Resp: 324

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 55.573 ug/l

RT: 5.019 min Scan# 645

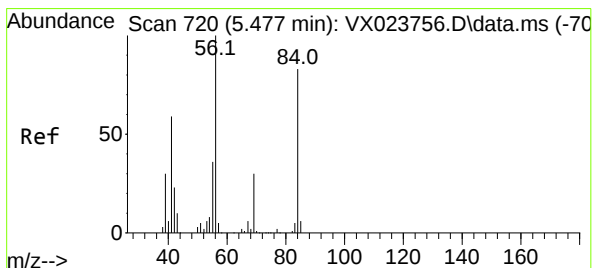
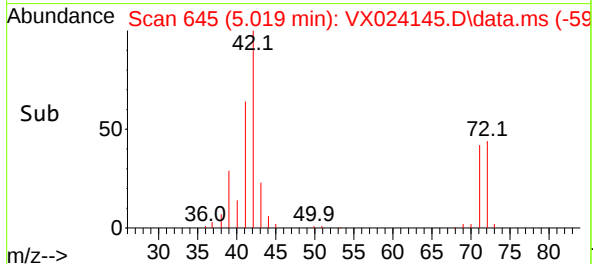
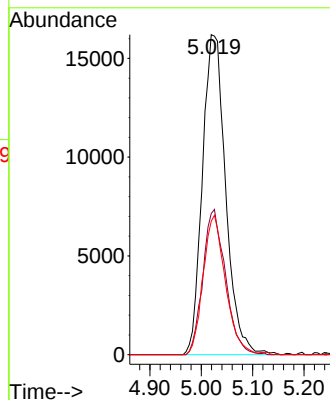
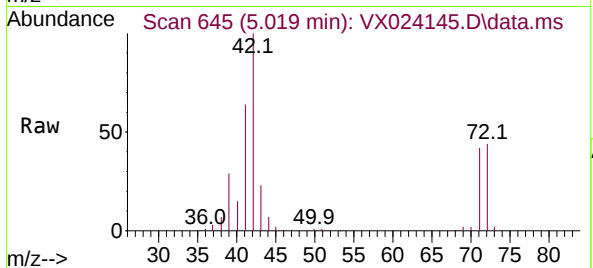
Delta R.T. 0.000 min

Lab File: VX024145.D

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Tgt Ion:	42	Resp:	50992
Ion	Ratio	Lower	Upper
42	100		
72	44.0	41.7	62.5
71	41.7	38.4	57.6

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.234 ug/l

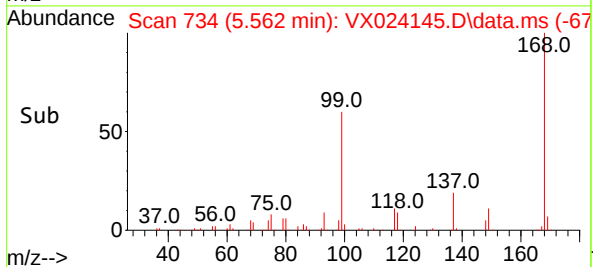
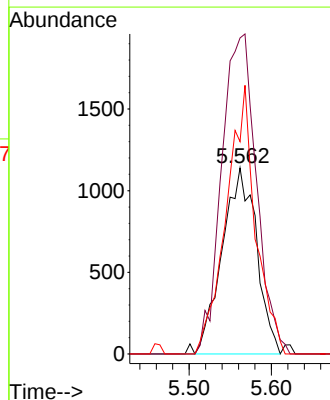
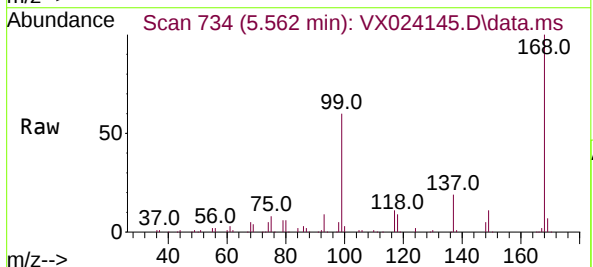
RT: 5.562 min Scan# 734

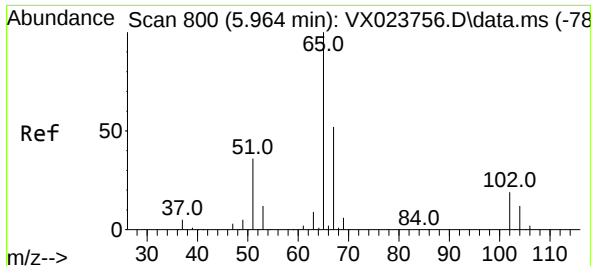
Delta R.T. 0.085 min

Lab File: VX024145.D

Acq: 09 Sep 2021 17:07

Tgt Ion:	56	Resp:	3317
Ion	Ratio	Lower	Upper
56	100		
69	169.8	25.3	37.9#
84	114.0	71.4	107.0#

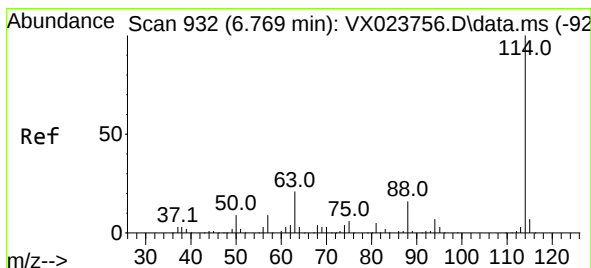
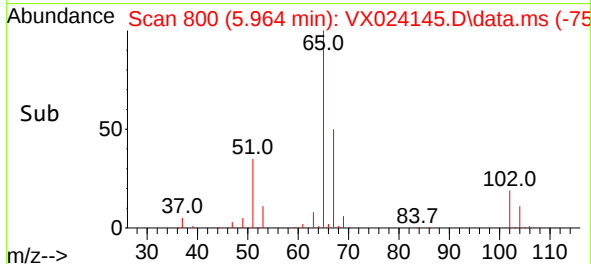
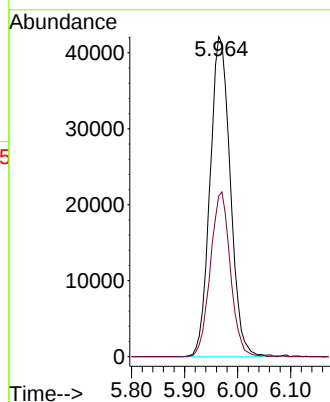
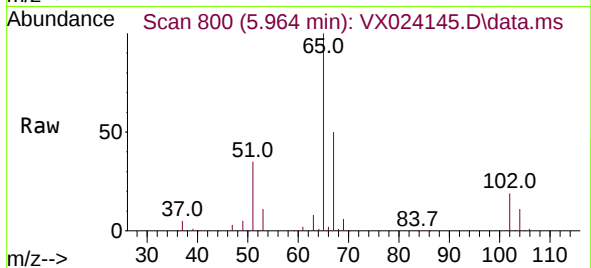




#33
 1,2-Dichloroethane-d4
 Concen: 53.585 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX024145.D
 Acq: 09 Sep 2021 17:07

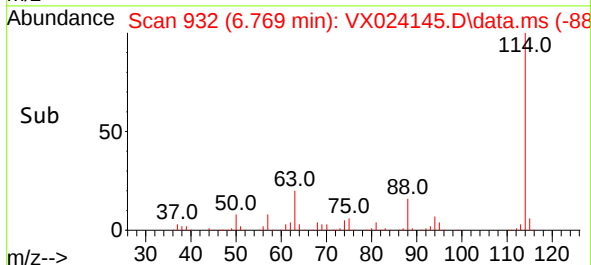
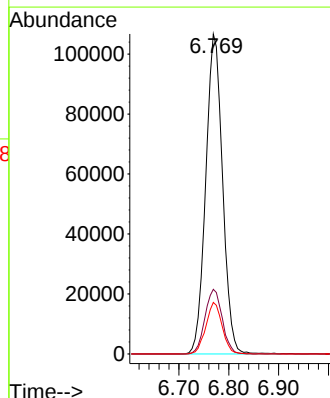
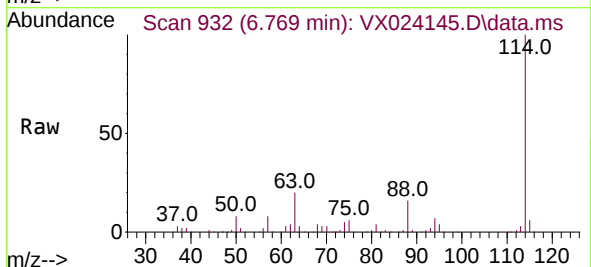
Instrument :
 MSVOA_X
 ClientSampled :

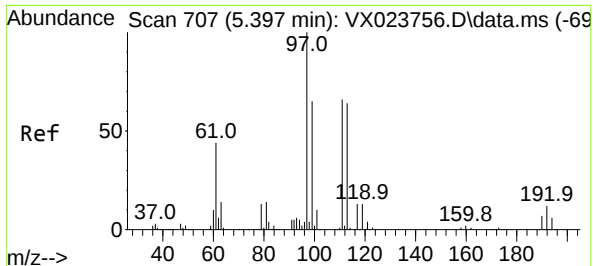
Tgt Ion: 65 Resp: 112086
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. -0.000 min
 Lab File: VX024145.D
 Acq: 09 Sep 2021 17:07

Tgt Ion: 114 Resp: 250029
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.751 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024145.D

Acq: 09 Sep 2021 17:07

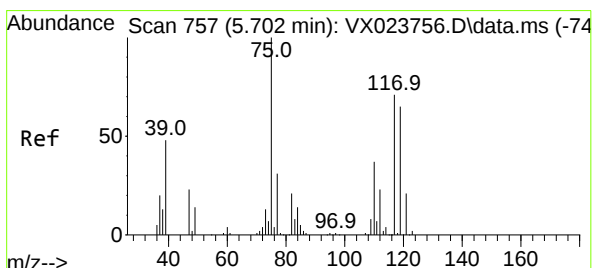
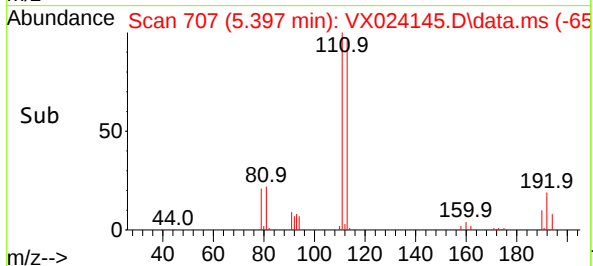
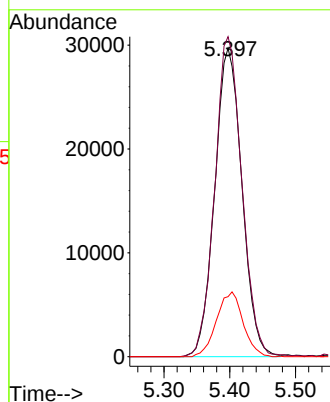
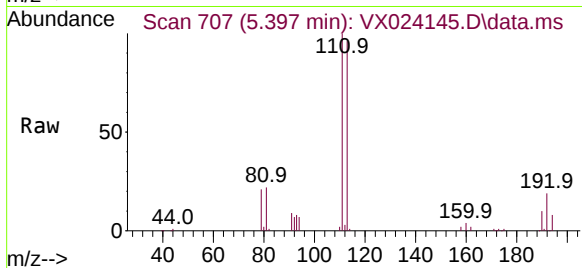
Tgt Ion:113 Resp: 85642

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 20.5 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.119 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024145.D

Acq: 09 Sep 2021 17:07

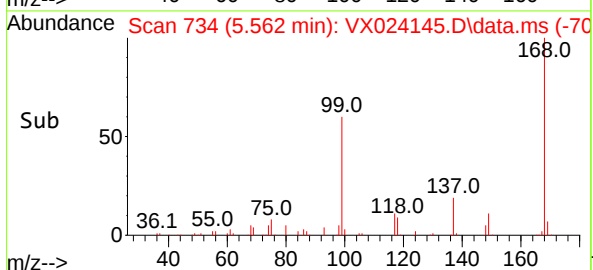
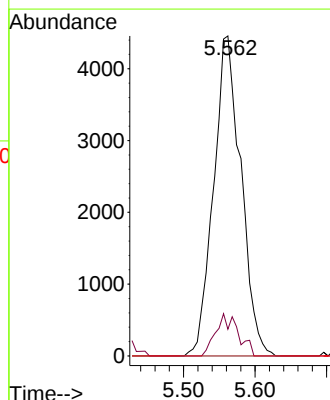
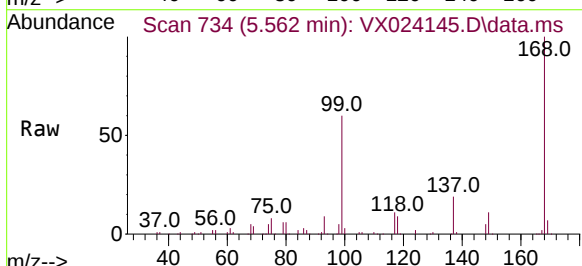
Tgt Ion: 75 Resp: 11852

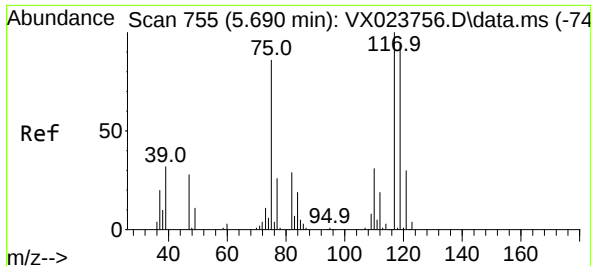
Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

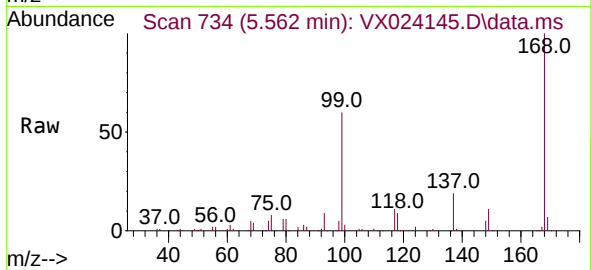
77 0.0 25.3 37.9#



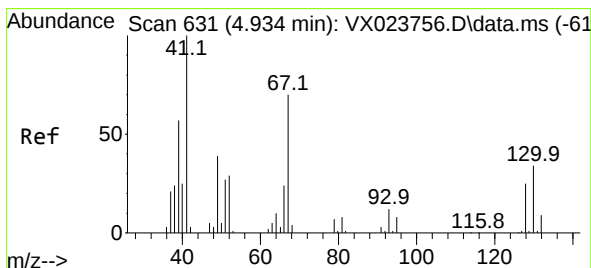
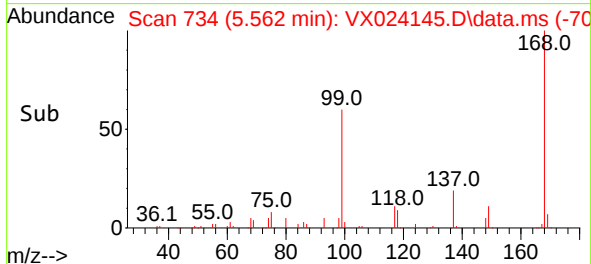
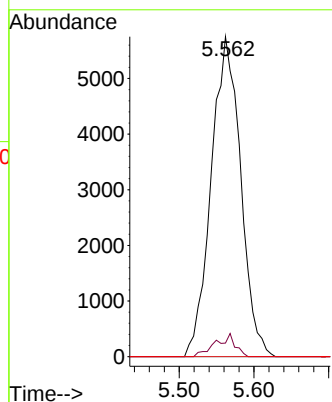


#38
Carbon Tetrachloride
Concen: 6.529 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Instrument :
MSVOA_X
ClientSampled :

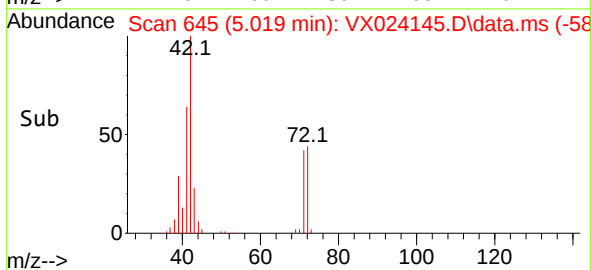
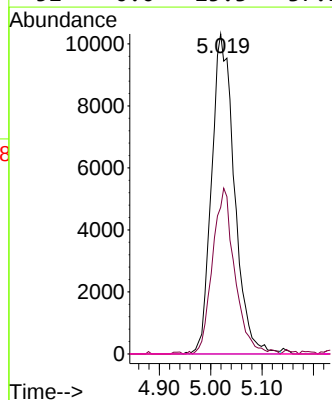
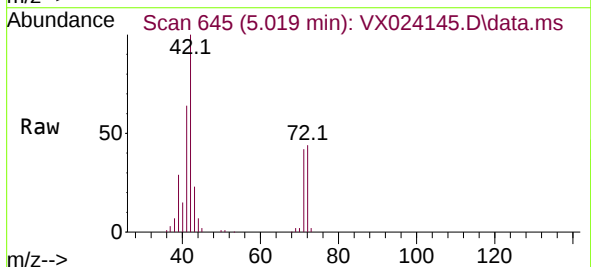


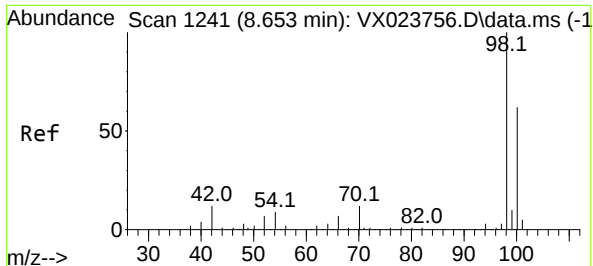
Tgt Ion:117 Resp: 15765
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 20.615 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.085 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Tgt Ion: 41 Resp: 31808
Ion Ratio Lower Upper
41 100
39 50.4 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 50.194 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024145.D

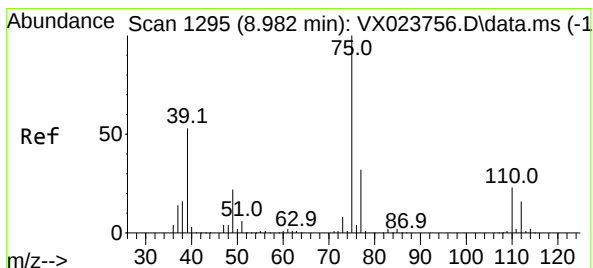
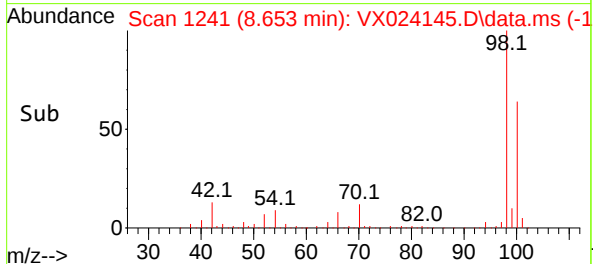
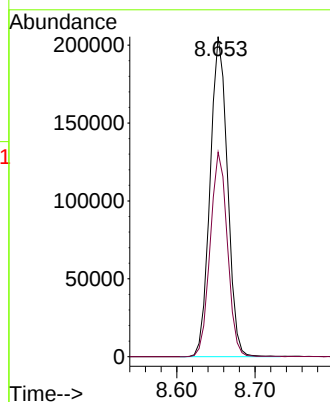
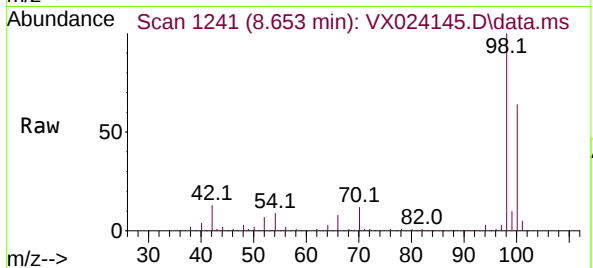
Acq: 09 Sep 2021 17:07

Tgt Ion: 98 Resp: 316151

Ion Ratio Lower Upper

98 100

100 63.1 51.9 77.9



#53

t-1,3-Dichloropropene

Concen: 2.150 ug/l

RT: 8.988 min Scan# 1296

Delta R.T. 0.006 min

Lab File: VX024145.D

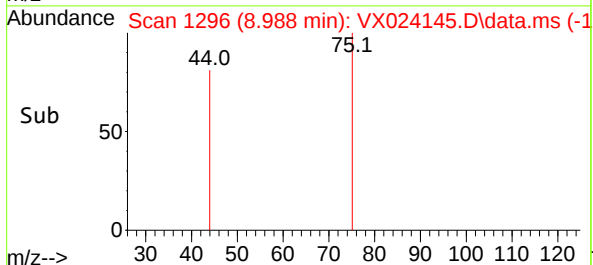
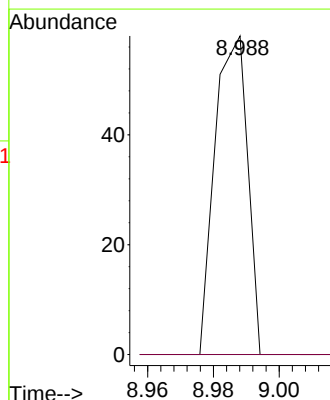
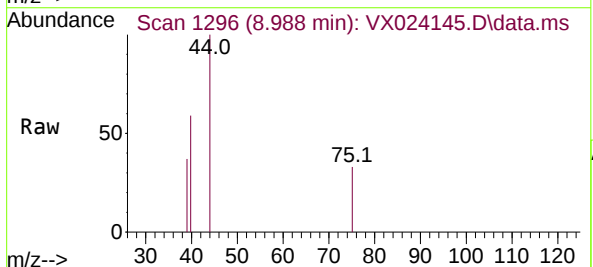
Acq: 09 Sep 2021 17:07

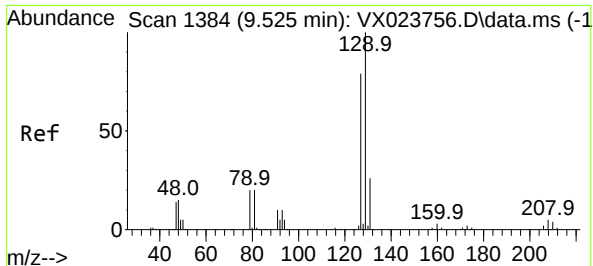
Tgt Ion: 75 Resp: 40

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

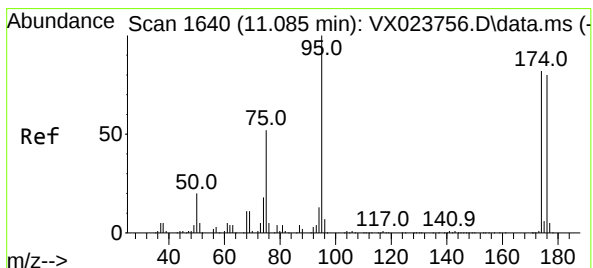
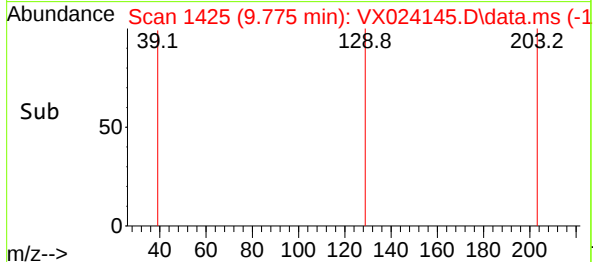
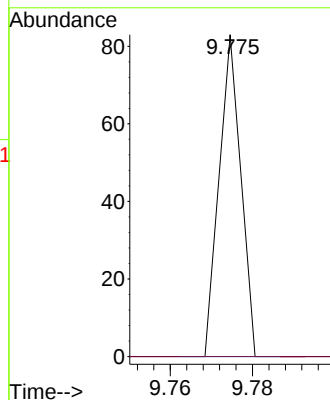
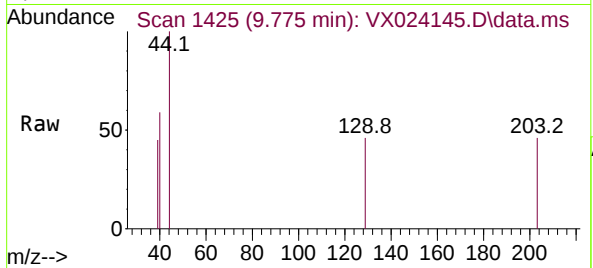




#60
Dibromochloromethane
Concen: 1.702 ug/l
RT: 9.775 min Scan# 1425
Delta R.T. 0.250 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

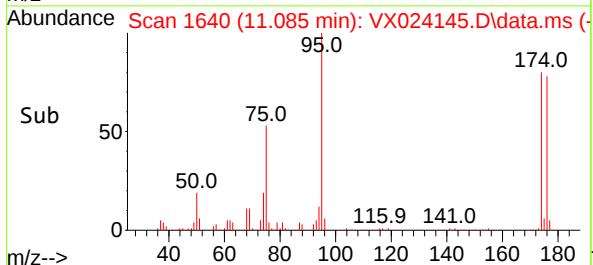
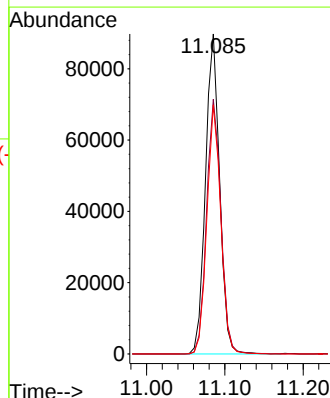
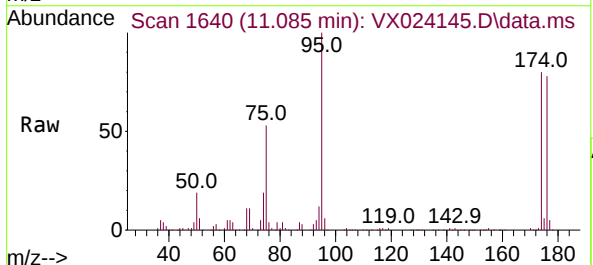
Instrument :
MSVOA_X
ClientSampled :

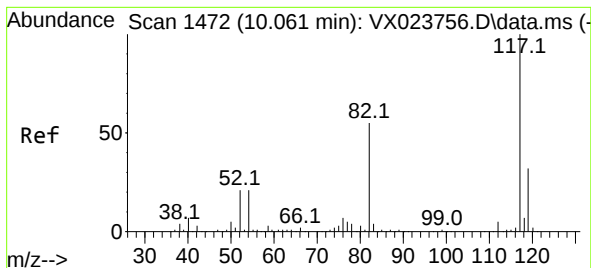
Tgt Ion:129 Resp: 30
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 48.404 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Tgt Ion: 95 Resp: 112233
Ion Ratio Lower Upper
95 100
174 80.8 0.0 154.6
176 76.5 0.0 155.8

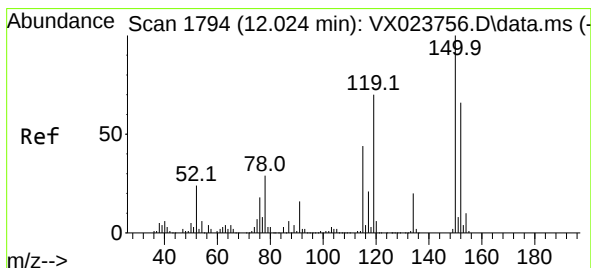
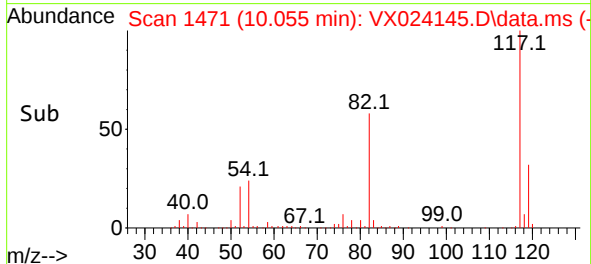
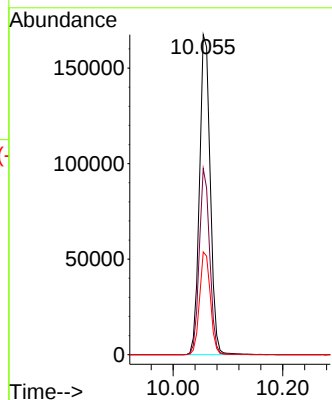
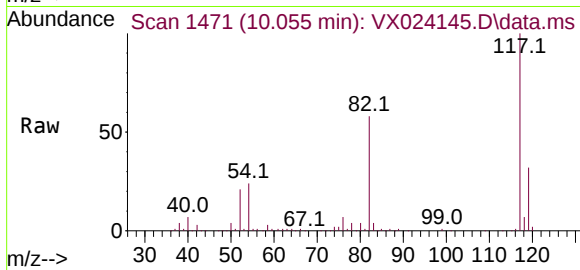




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

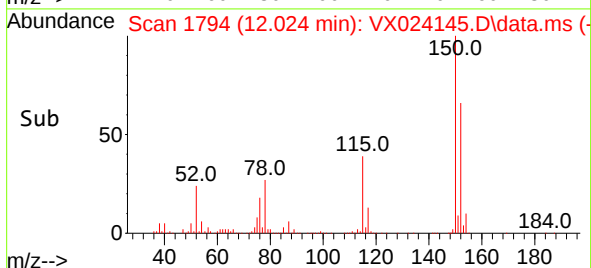
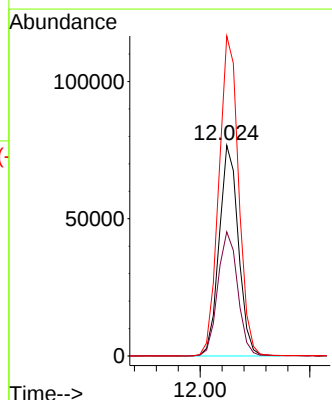
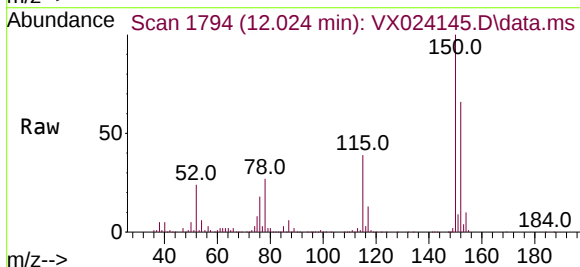
Instrument :
MSVOA_X
ClientSampleId :

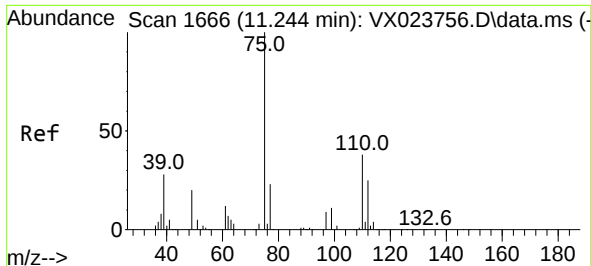
Tgt Ion:117 Resp: 229741
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Tgt Ion:152 Resp: 93486
Ion Ratio Lower Upper
152 100
115 61.1 41.1 123.3
150 156.4 0.0 349.0

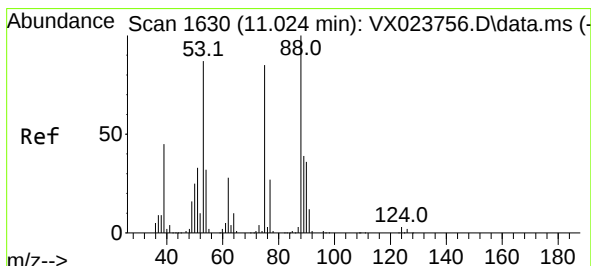
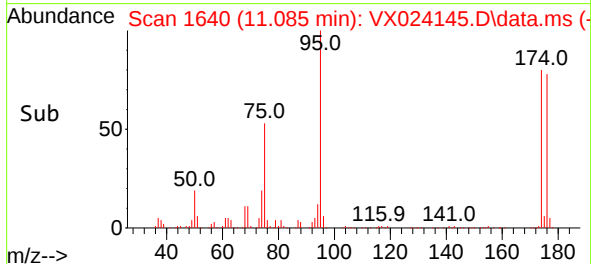
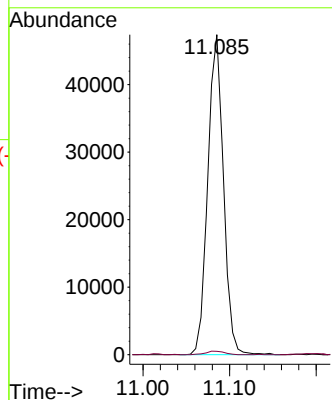
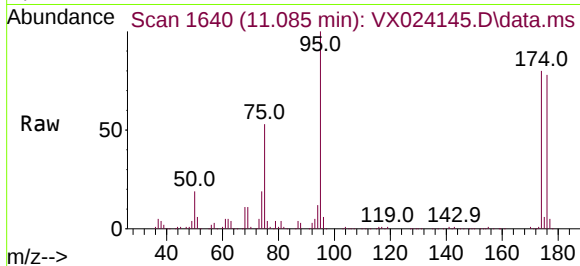




#76
1,2,3-Trichloropropane
Concen: 27.328 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

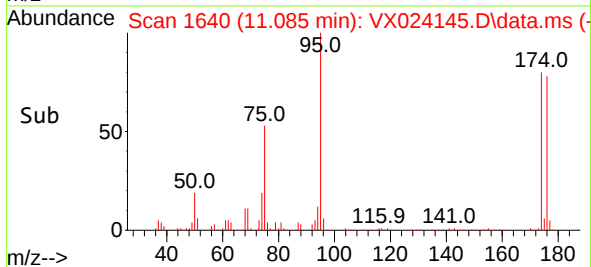
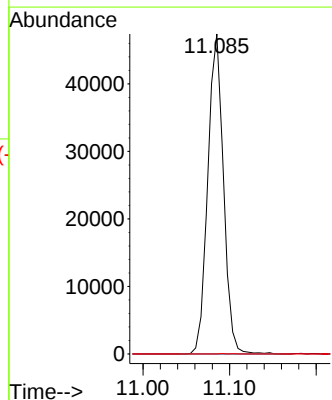
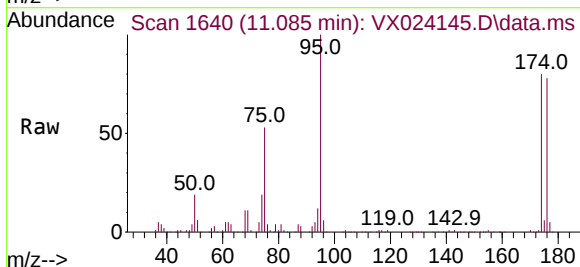
Instrument :
MSVOA_X
ClientSampled :

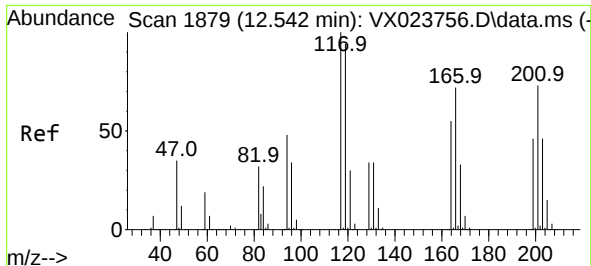
Tgt Ion: 75 Resp: 59596
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.386 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Tgt Ion: 75 Resp: 59596
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

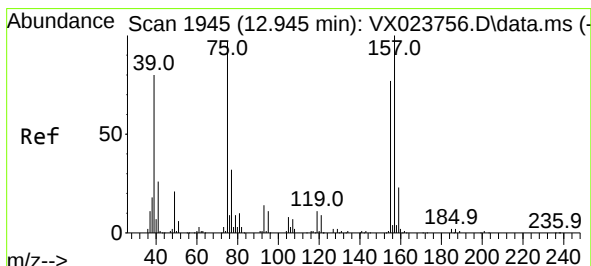
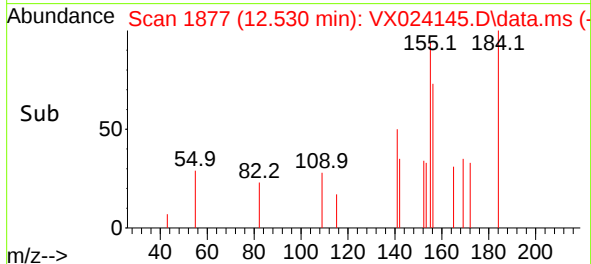
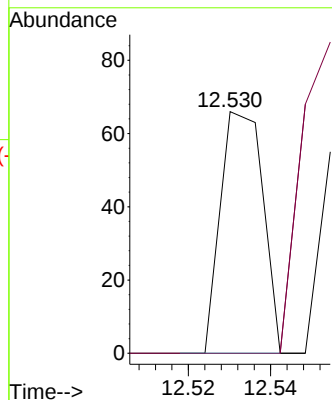
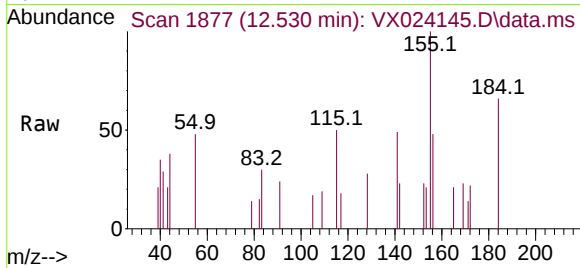




#90
Hexachloroethane
Concen: 1.510 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.012 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

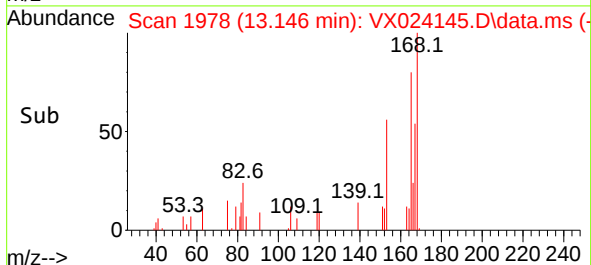
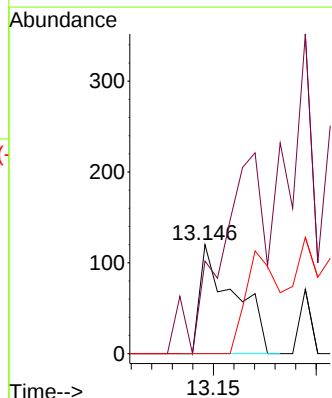
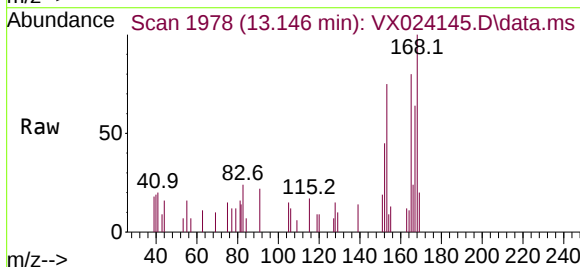
Instrument :
MSVOA_X
ClientSampled :

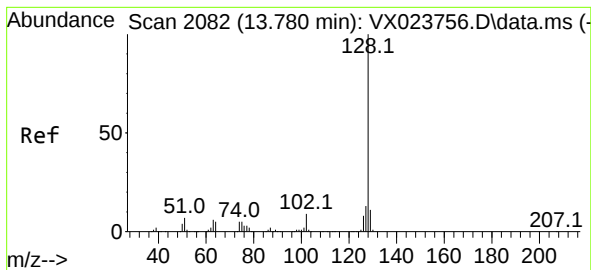
Tgt Ion:117 Resp: 47
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.406 ug/l
RT: 13.146 min Scan# 1978
Delta R.T. 0.201 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

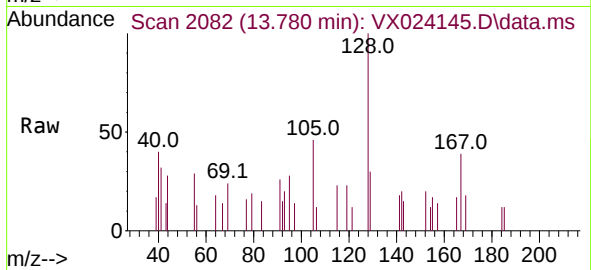
Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 1.361 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024145.D
Acq: 09 Sep 2021 17:07

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 548
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 36.3 8.8 13.2#

