

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\Not Reviewed Data\
 Data File : VX023947.D
 Acq On : 25 Aug 2021 18:39
 Operator : JC/MD
 Sample : M3525-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 26 17:39:30 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)

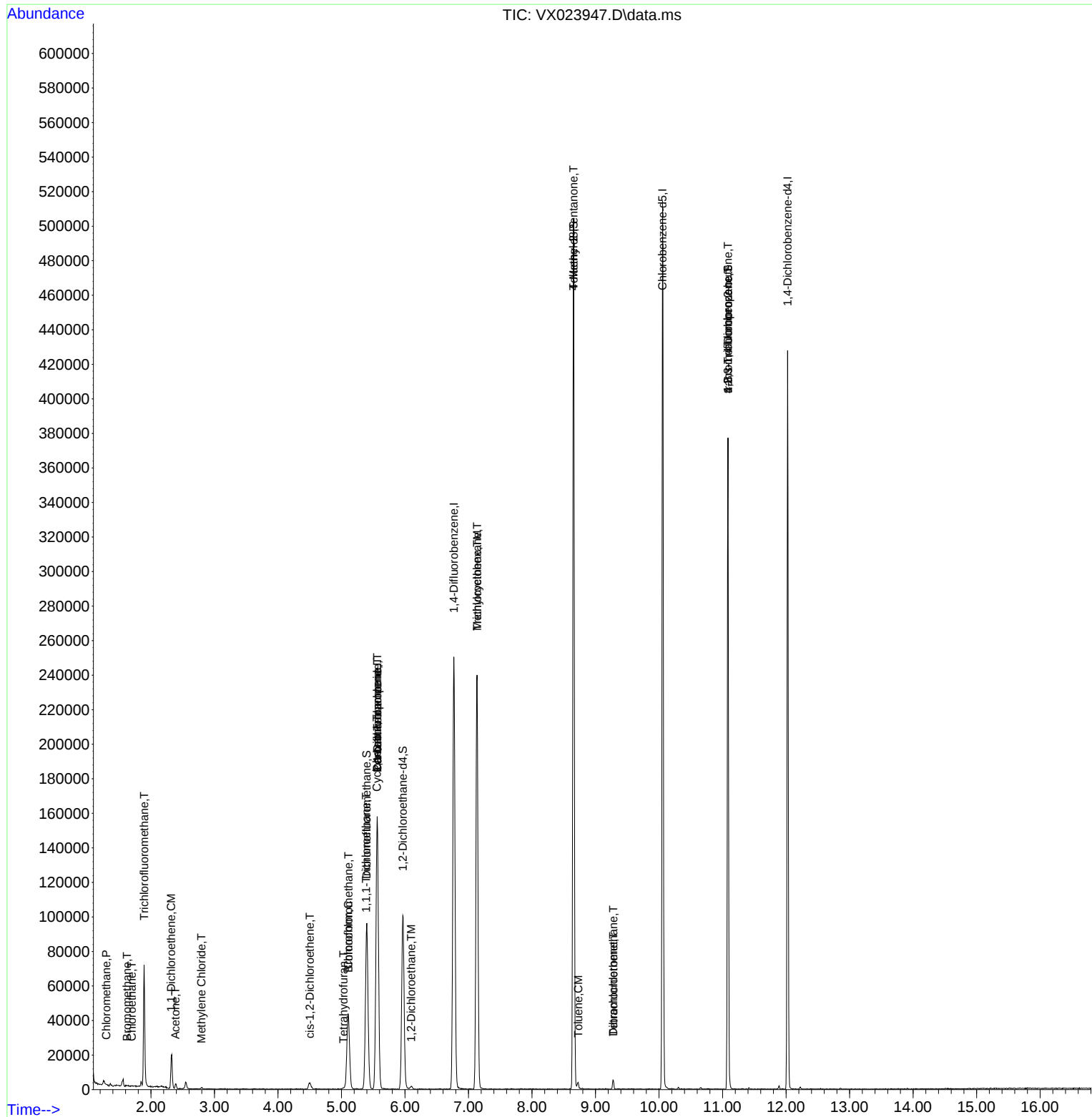
Internal Standards						
1) Pentafluorobenzene	5.562	168	143170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	249257	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100100	50.095	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.200%	
35) Dibromofluoromethane	5.397	113	78902	47.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.660%	
50) Toluene-d8	8.653	98	284348	45.285	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.560%#	
62) 4-Bromofluorobenzene	11.085	95	94438	40.856	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 81.720%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	361	0.218	ug/l #	73
5) Bromomethane	1.624	94	363	0.357	ug/l #	66
6) Chloroethane	1.697	64	136	2.314	ug/l #	43
7) Trichlorofluoromethane	1.892	101	43021	16.845	ug/l	98
12) 1,1-Dichloroethene	2.319	96	6282	4.572	ug/l	93
16) Acetone	2.386	43	2954	3.306	ug/l	97
20) Methylene Chloride	2.794	84	512	0.300	ug/l #	69
27) cis-1,2-Dichloroethene	4.501	96	2605	1.492	ug/l	84
28) Bromochloromethane	5.111	49	4560	3.573	ug/l #	9
29) Tetrahydrofuran	5.032	42	879	1.003	ug/l #	58
30) Chloroform	5.105	83	51361	17.282	ug/l	99
31) Cyclohexane	5.556	56	3275	1.276	ug/l #	18
32) 1,1,1-Trichloroethane	5.385	97	1781	0.700	ug/l #	48
36) 1,1-Dichloropropene	5.562	75	11867	5.141	ug/l #	44
38) Carbon Tetrachloride	5.562	117	14884	6.184	ug/l #	16
39) Methylcyclohexane	7.135	83	1130	0.402	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	1698	0.633	ug/l	89
44) Trichloroethene	7.135	130	91146	48.340	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	1523	0.531	ug/l #	1
52) Toluene	8.726	92	1433	0.324	ug/l	99
60) Dibromochloromethane	9.281	129	957	2.148	ug/l #	11
64) Tetrachloroethene	9.281	164	1006	0.561	ug/l #	77
76) 1,2,3-Trichloropropane	11.085	75	50476	25.499	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	50476	75.005	ug/l #	12

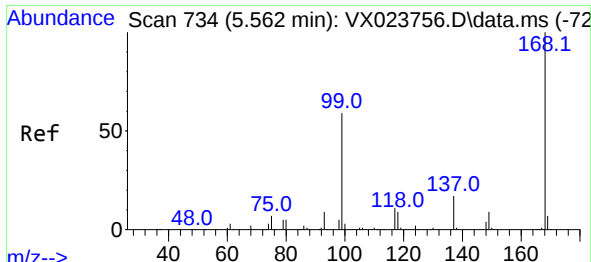
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082521\Not Reviewed Data\
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 26 17:39:30 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

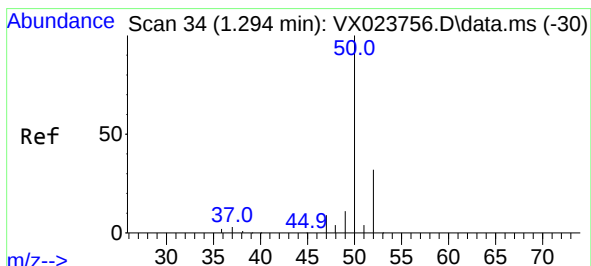
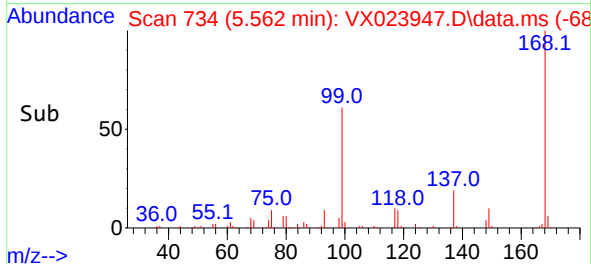
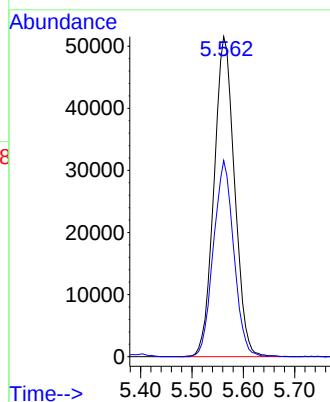
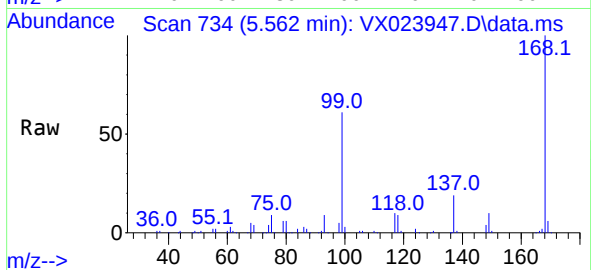




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

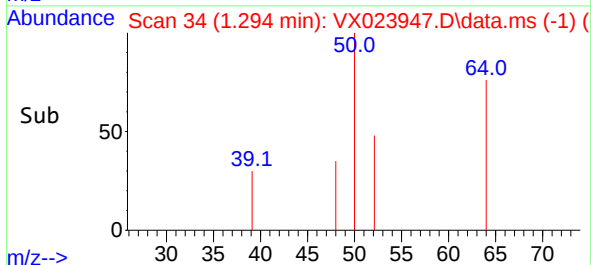
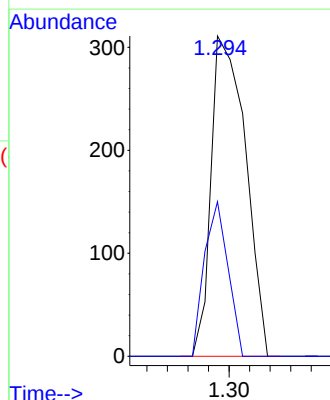
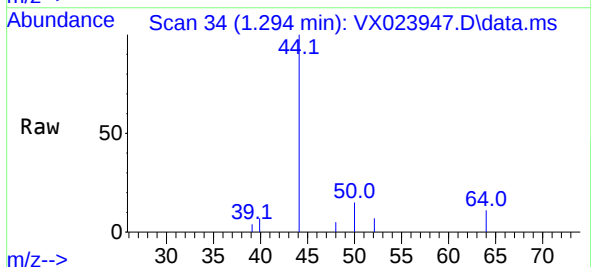
Instrument :
MSVOA_X
ClientSampled :

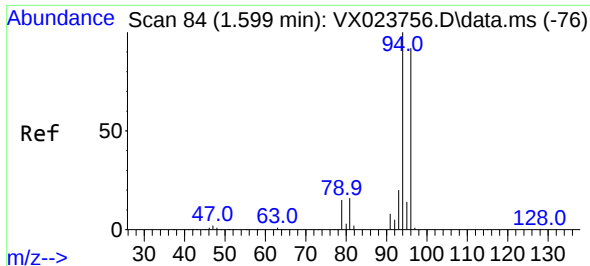
Tgt Ion:168 Resp: 143170
Ion Ratio Lower Upper
168 100
99 61.3 45.8 68.6



#3
Chloromethane
Concen: 0.218 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 48.2 26.4 39.6#

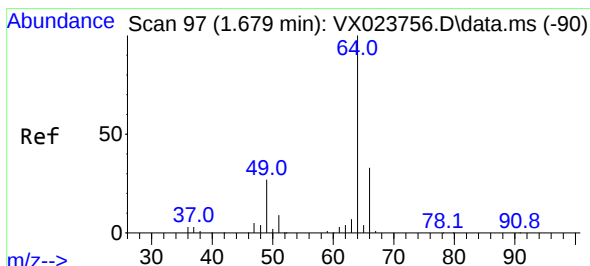
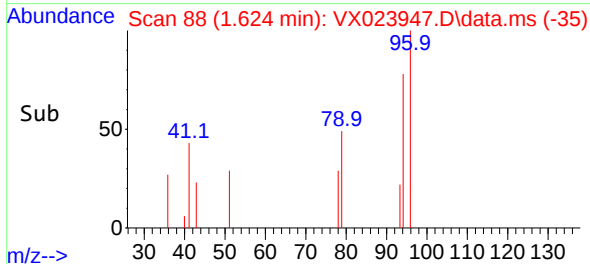
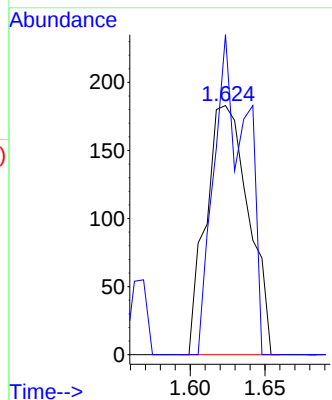
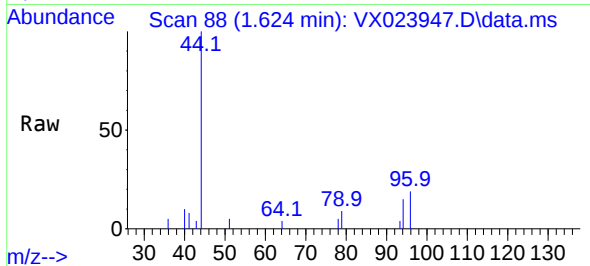




#5
Bromomethane
Concen: 0.357 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

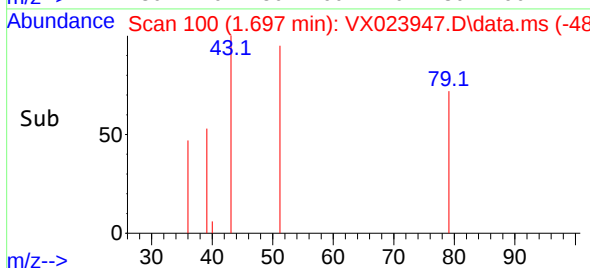
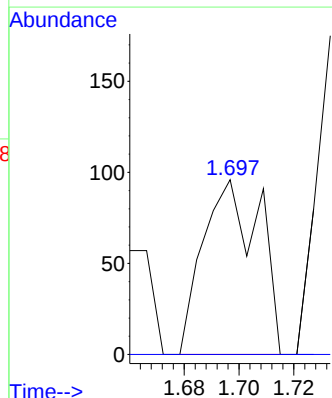
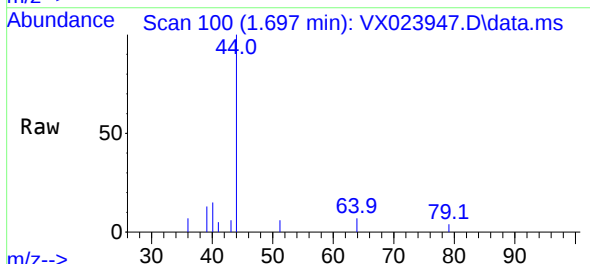
Instrument :
MSVOA_X
ClientSampled :

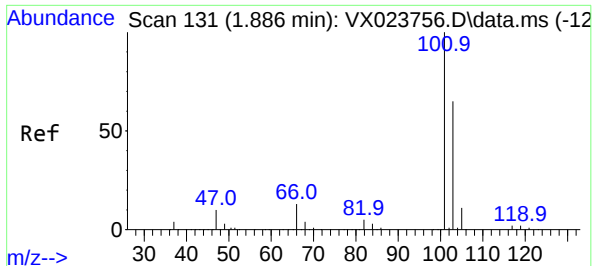
Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 128.4 76.4 114.6#



#6
Chloroethane
Concen: 2.314 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

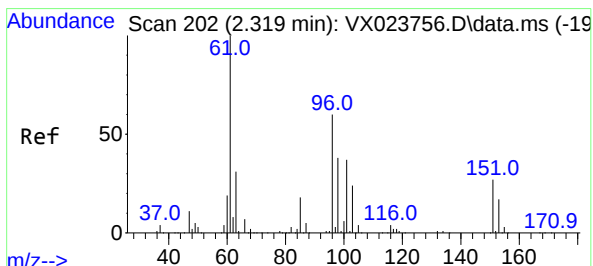
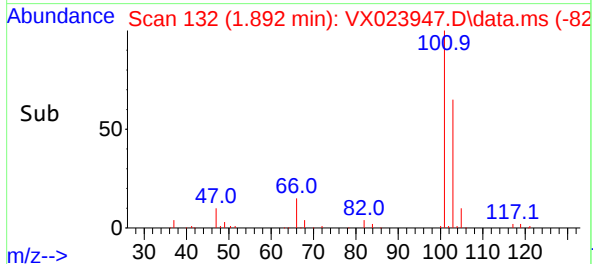
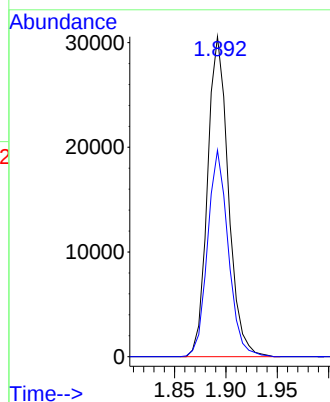
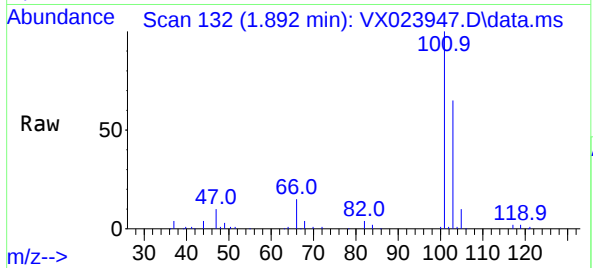




#7
Trichlorofluoromethane
Concen: 16.845 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

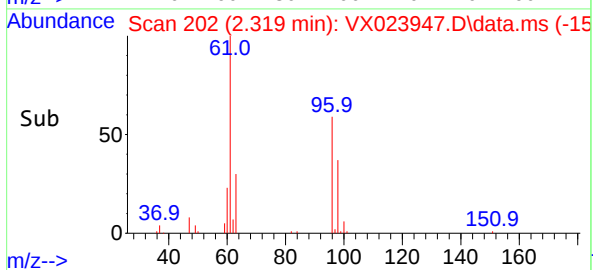
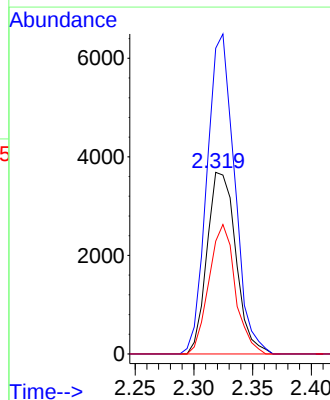
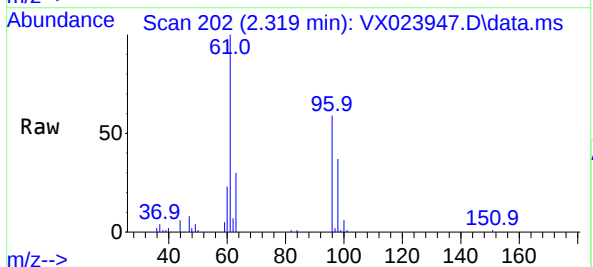
Instrument :
MSVOA_X
ClientSampled :

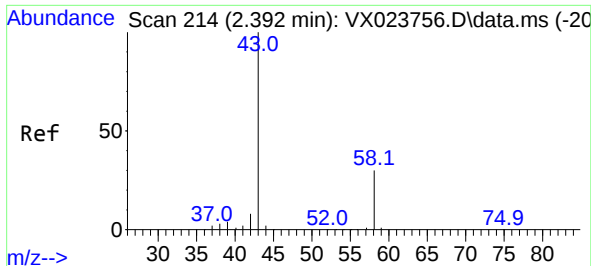
Tgt Ion:101 Resp: 43021
Ion Ratio Lower Upper
101 100
103 64.5 53.2 79.8



#12
1,1-Dichloroethene
Concen: 4.572 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 96 Resp: 6282
Ion Ratio Lower Upper
96 100
61 168.5 124.6 187.0
98 62.1 50.6 76.0

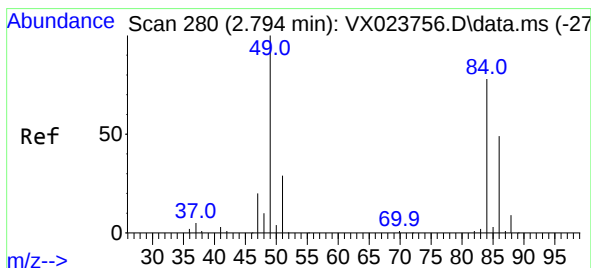
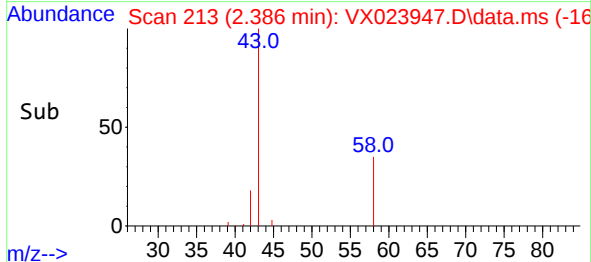
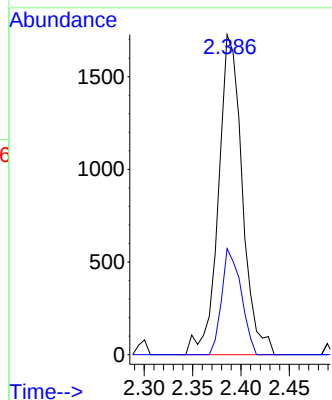
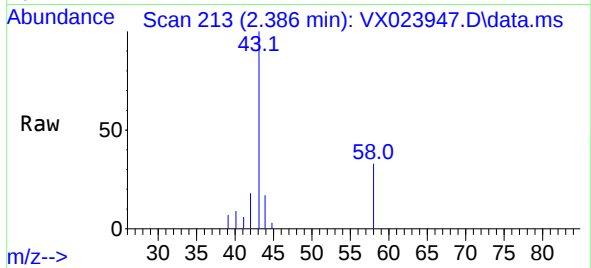




#16
Acetone
Concen: 3.306 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

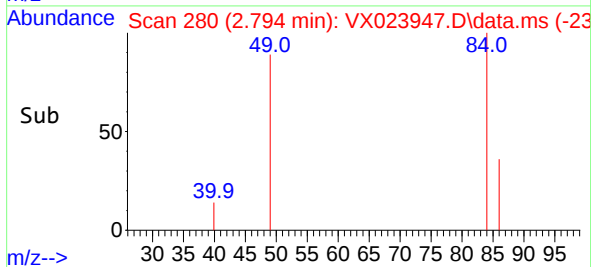
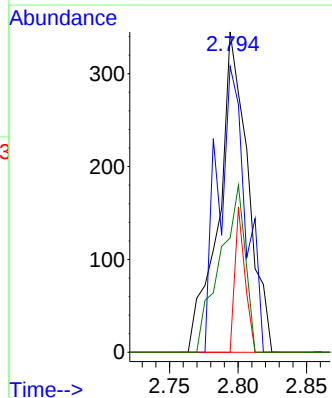
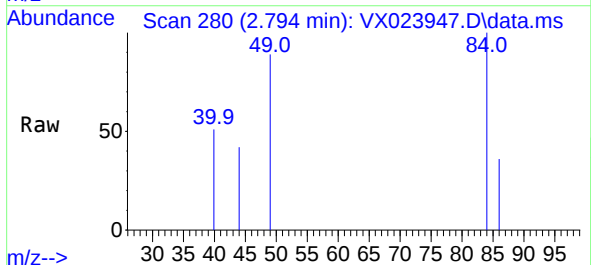
Instrument :
MSVOA_X
ClientSampled :

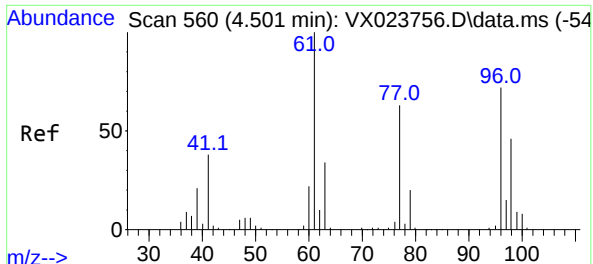
Tgt Ion: 43 Resp: 2954
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.8



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 84 Resp: 512
Ion Ratio Lower Upper
84 100
49 89.3 88.6 132.8
51 0.0 27.0 40.6#
86 35.7 50.3 75.5#



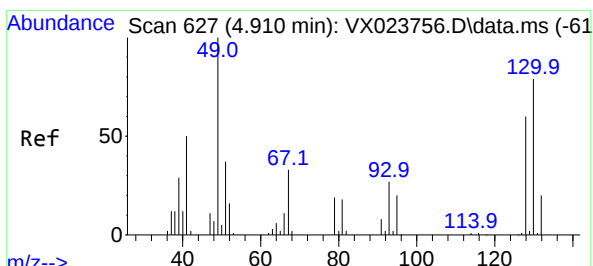
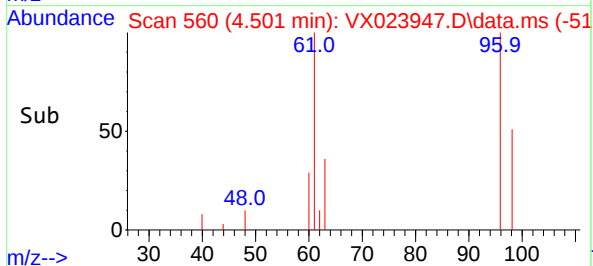
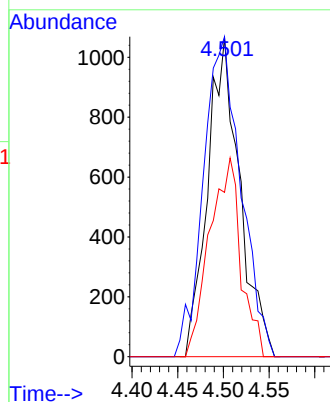
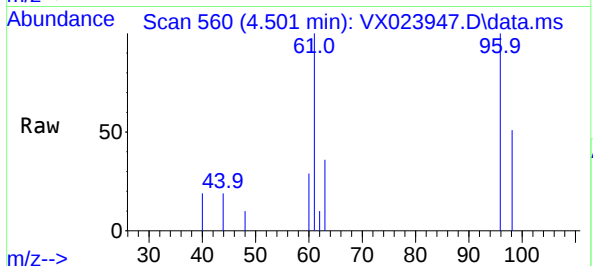


#27
 cis-1,2-Dichloroethene
 Concen: 1.492 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.000 min
 Lab File: VX023947.D
 Acq: 25 Aug 2021 18:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 96 Resp: 2605

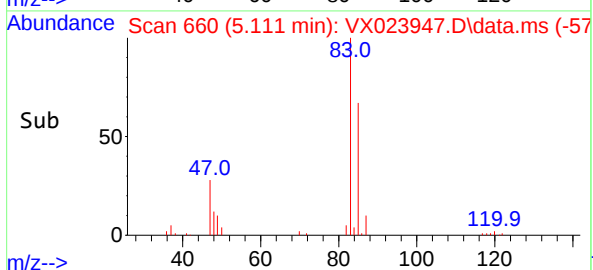
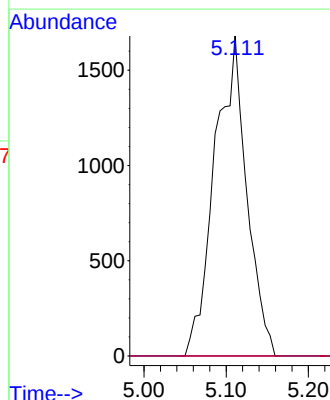
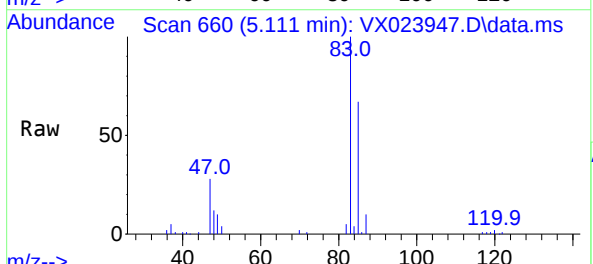
Ion	Ratio	Lower	Upper
96	100		
61	116.9	0.0	285.6
98	60.7	0.0	129.6

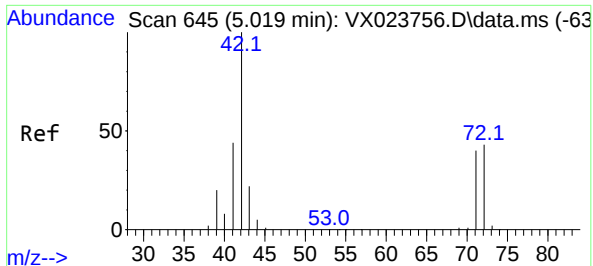


#28
 Bromochloromethane
 Concen: 3.573 ug/l
 RT: 5.111 min Scan# 660
 Delta R.T. 0.201 min
 Lab File: VX023947.D
 Acq: 25 Aug 2021 18:39

Tgt Ion: 49 Resp: 4560

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2





#29

Tetrahydrofuran

Concen: 1.003 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023947.D

Acq: 25 Aug 2021 18:39

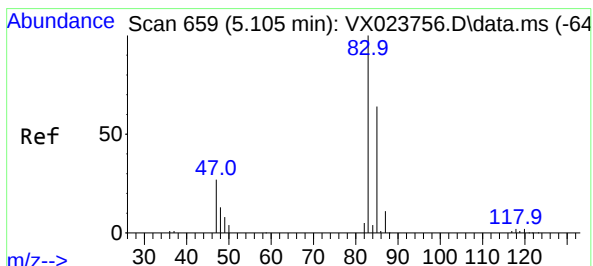
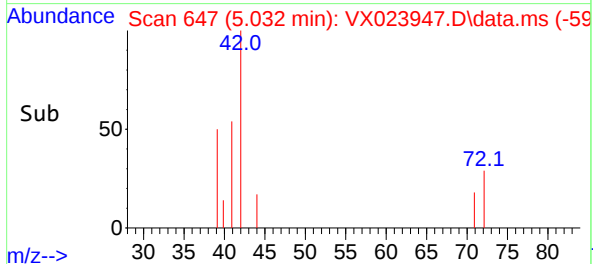
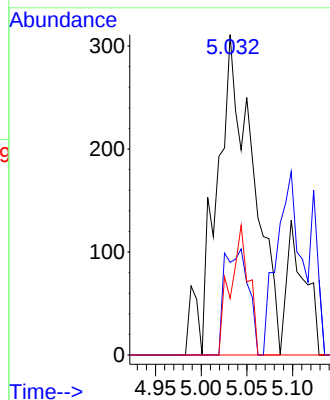
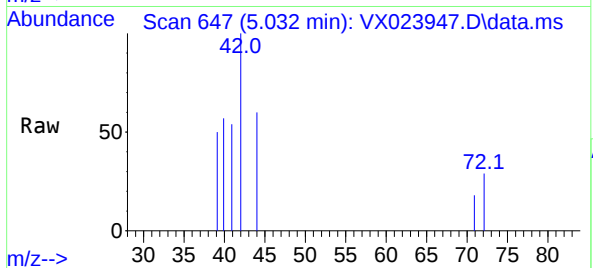
Tgt Ion: 42 Resp: 879

Ion Ratio Lower Upper

42 100

72 21.3 41.7 62.5#

71 20.4 38.4 57.6#



#30

Chloroform

Concen: 17.282 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX023947.D

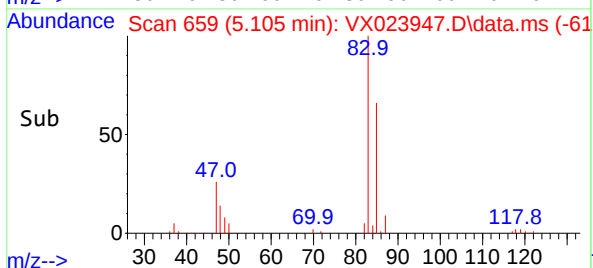
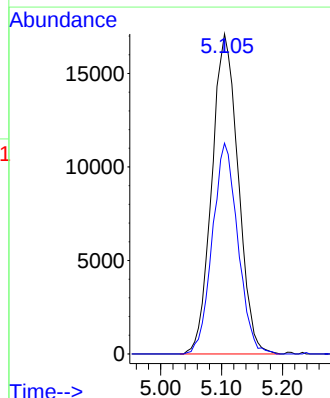
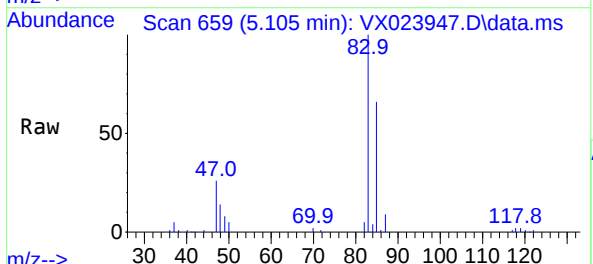
Acq: 25 Aug 2021 18:39

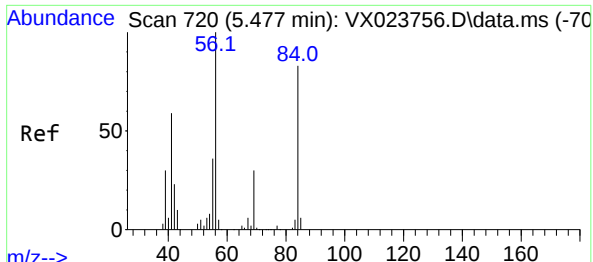
Tgt Ion: 83 Resp: 51361

Ion Ratio Lower Upper

83 100

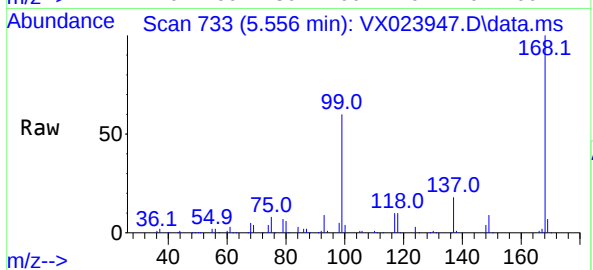
85 65.8 52.0 78.0



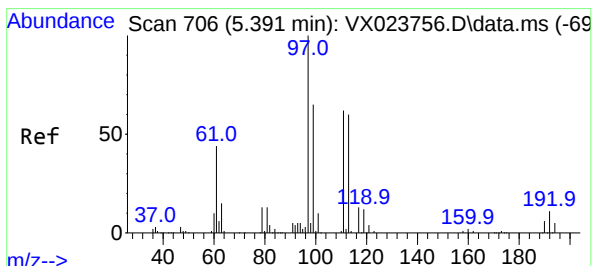
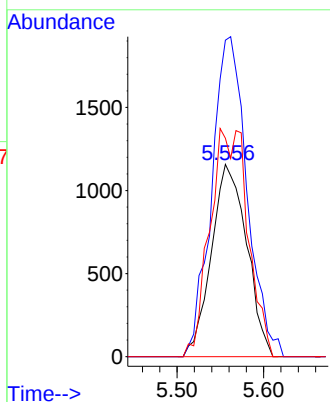
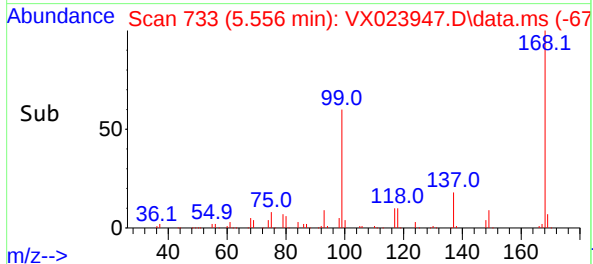


#31
Cyclohexane
Concen: 1.276 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

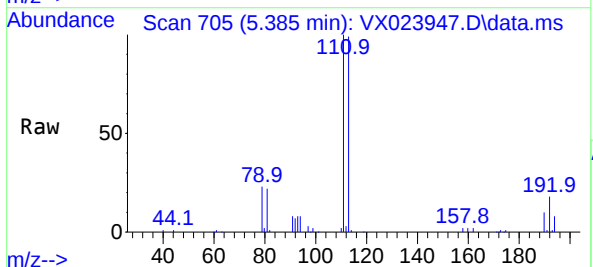
Instrument :
MSVOA_X
ClientSampled :



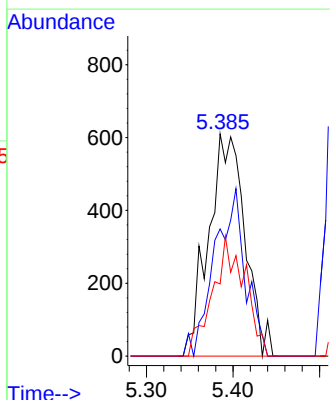
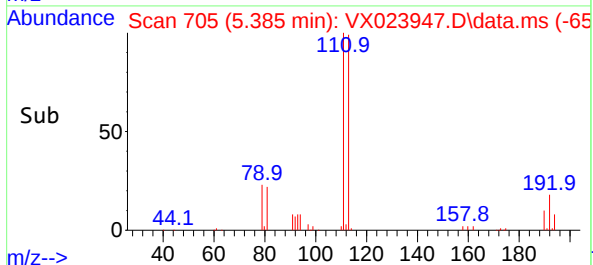
Tgt Ion: 56 Resp: 3275
Ion Ratio Lower Upper
56 100
69 164.6 25.3 37.9#
84 113.6 71.4 107.0#

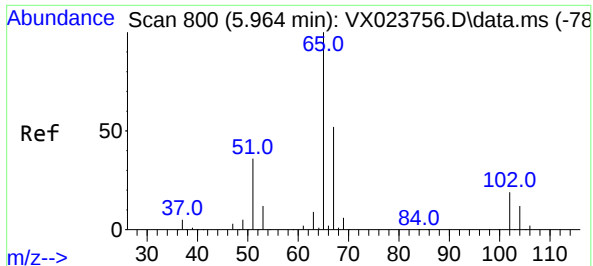


#32
1,1,1-Trichloroethane
Concen: 0.700 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39



Tgt Ion: 97 Resp: 1781
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 47.7 34.2 51.4



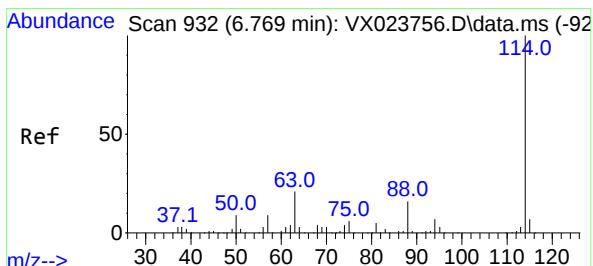
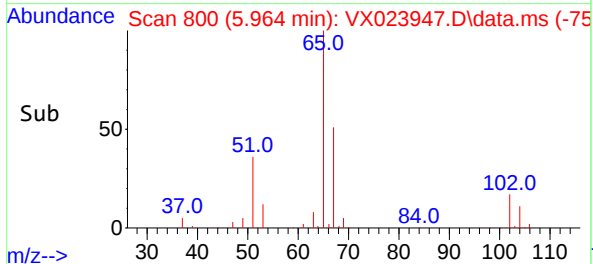
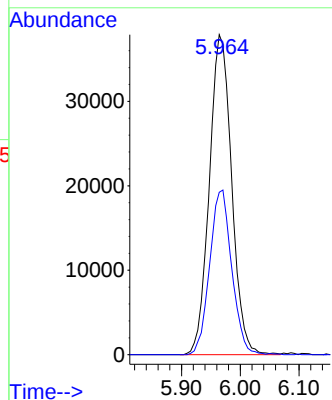
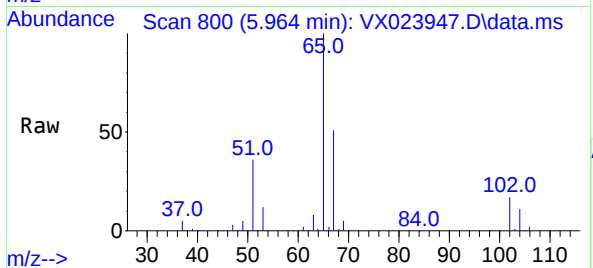


#33

1,2-Dichloroethane-d4
Concen: 50.095 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Instrument :
MSVOA_X
ClientSampled :

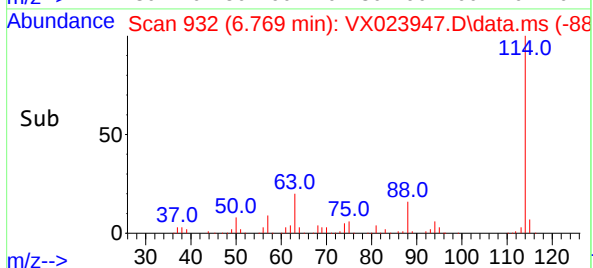
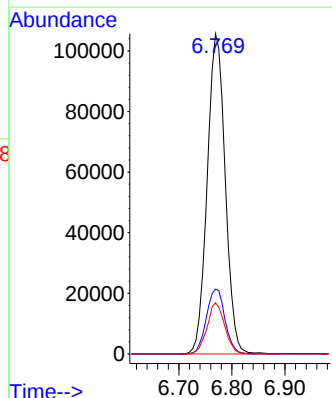
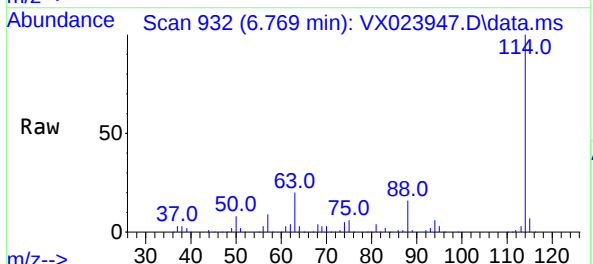
Tgt Ion: 65 Resp: 100100
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

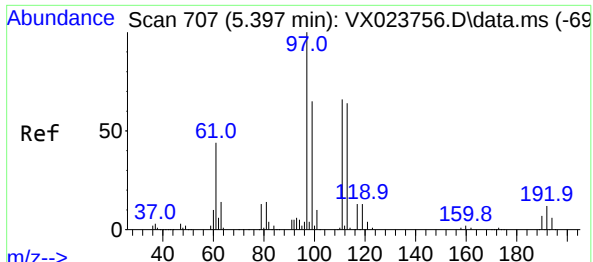


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 114 Resp: 249257
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 16.0 0.0 32.8



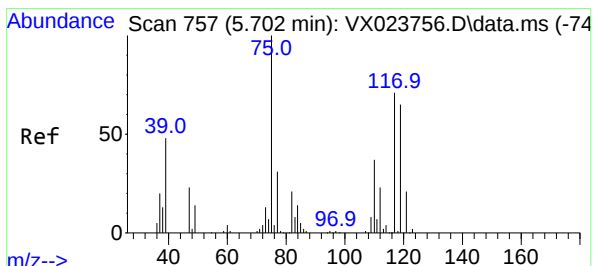
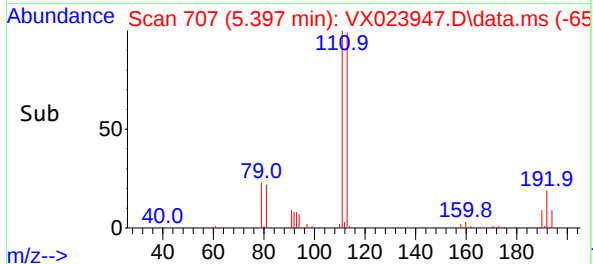
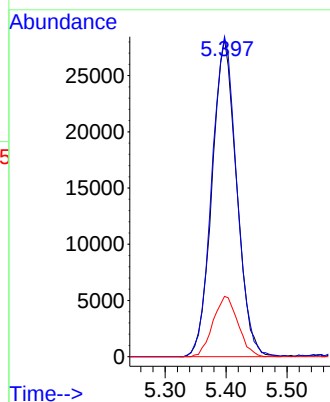
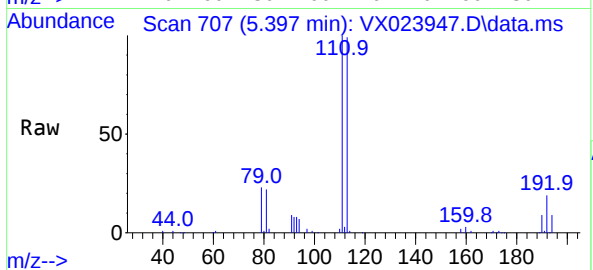


#35
Dibromofluoromethane
Concen: 47.826 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:113 Resp: 78902

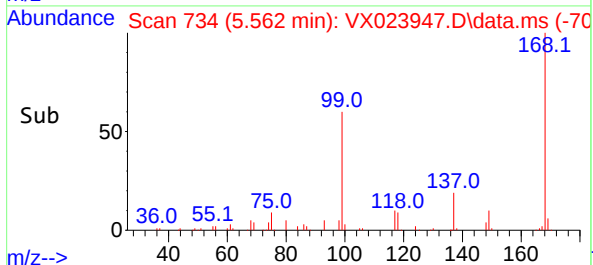
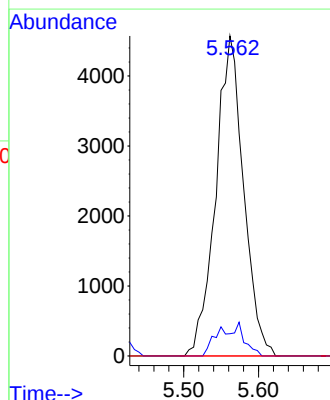
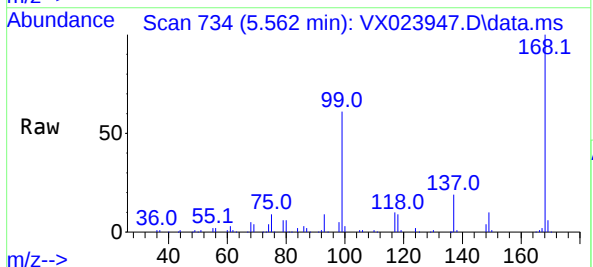
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.9	122.9
192	19.3	16.7	25.1

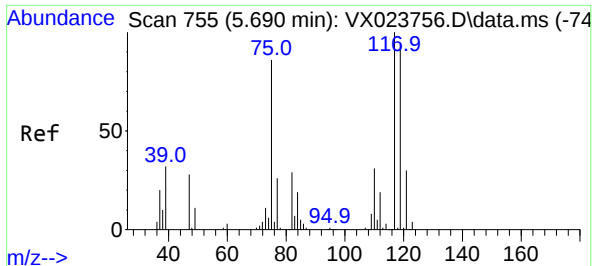


#36
1,1-Dichloropropene
Concen: 5.141 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 75 Resp: 11867

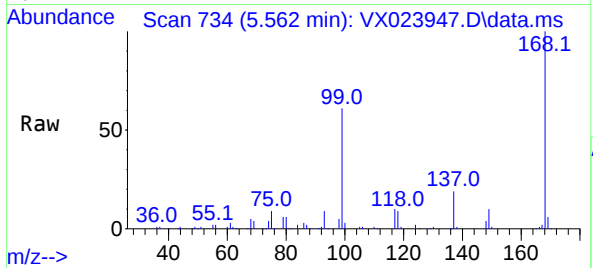
Ion	Ratio	Lower	Upper
75	100		
110	4.3	18.1	54.4#
77	0.0	25.3	37.9#



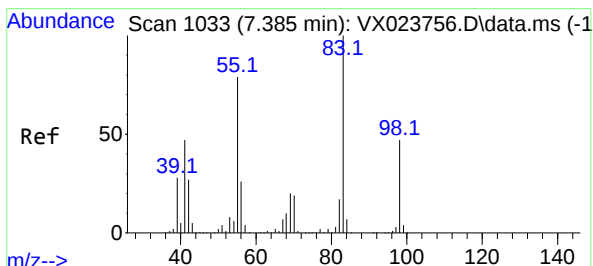
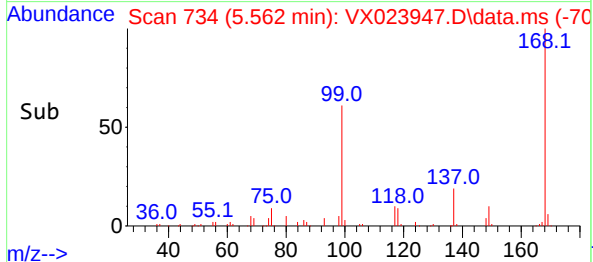
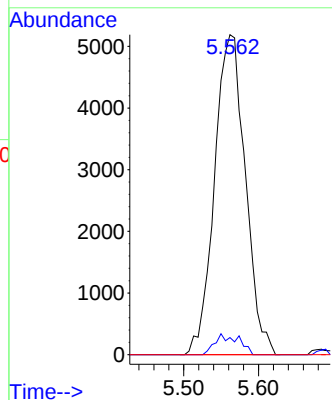


#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Instrument :
MSVOA_X
ClientSampleId :

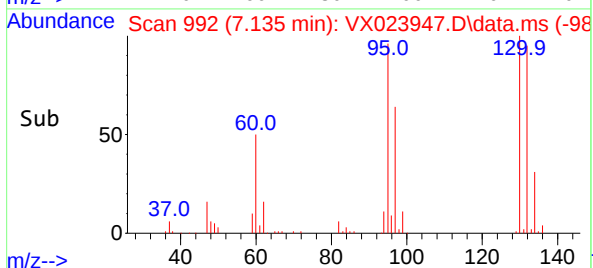
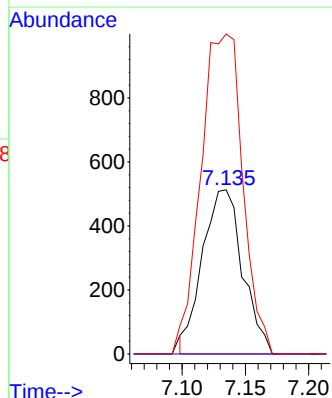
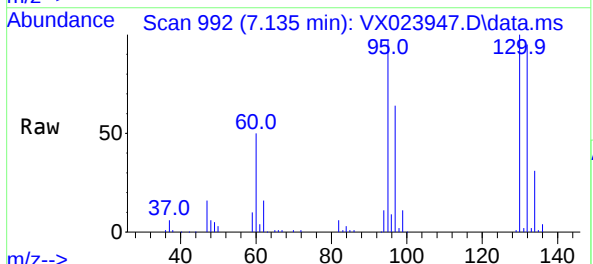


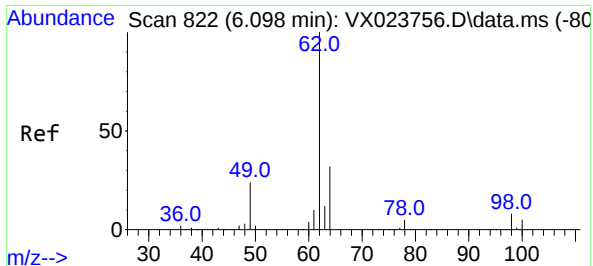
Tgt Ion:117 Resp: 14884
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.402 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 83 Resp: 1130
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 194.9 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.633 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.000 min

Lab File: VX023947.D

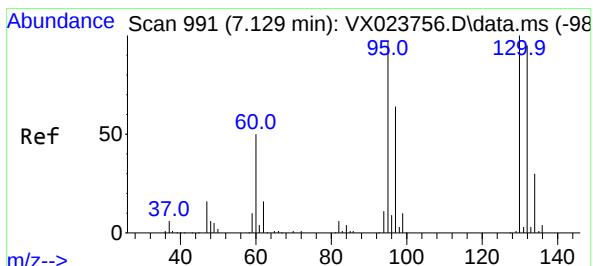
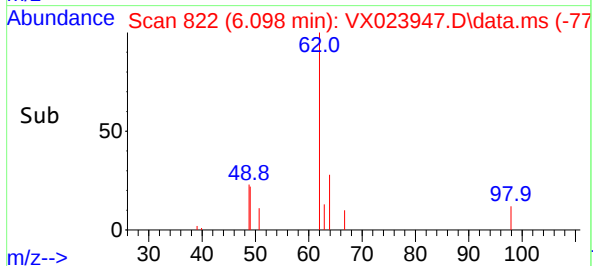
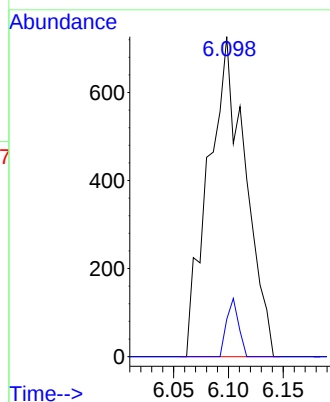
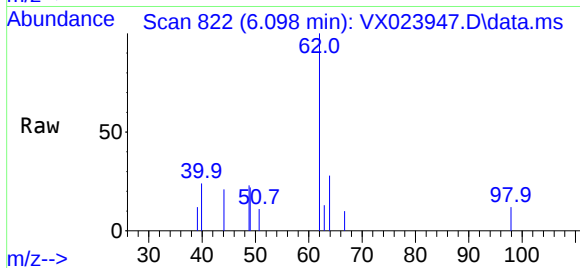
Acq: 25 Aug 2021 18:39

Tgt Ion: 62 Resp: 1698

Ion Ratio Lower Upper

62 100

98 5.9 0.0 20.2



#44

Trichloroethene

Concen: 48.340 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX023947.D

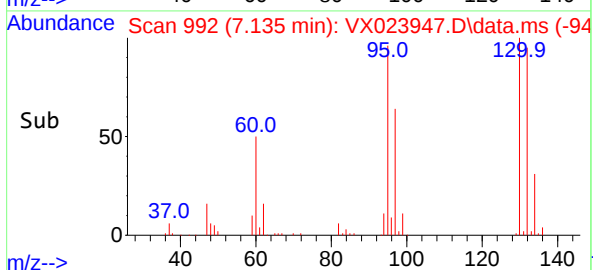
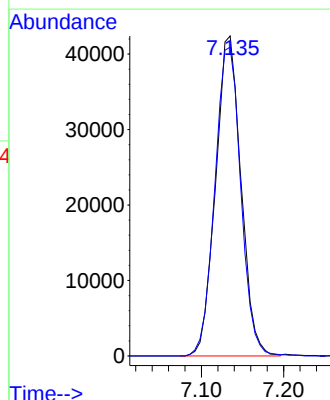
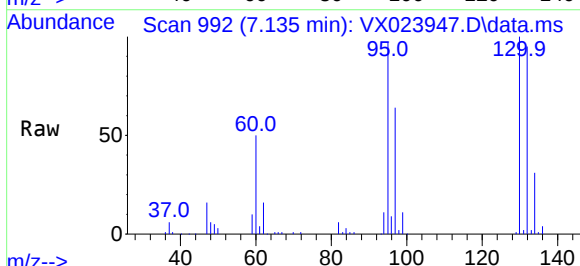
Acq: 25 Aug 2021 18:39

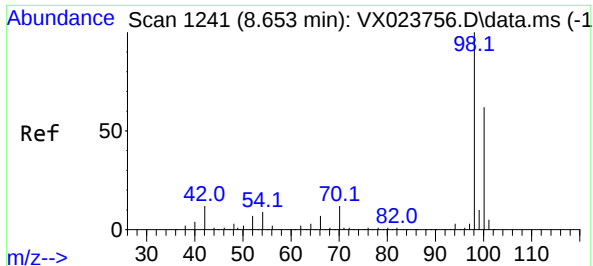
Tgt Ion:130 Resp: 91146

Ion Ratio Lower Upper

130 100

95 96.5 0.0 198.0

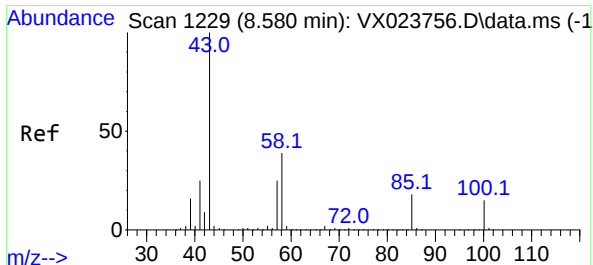
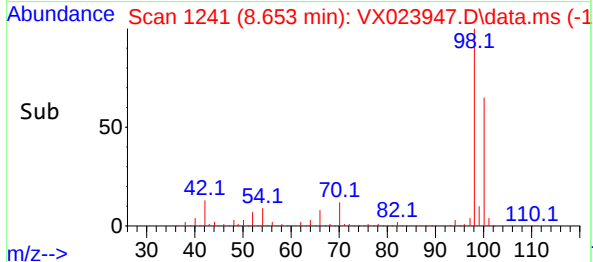
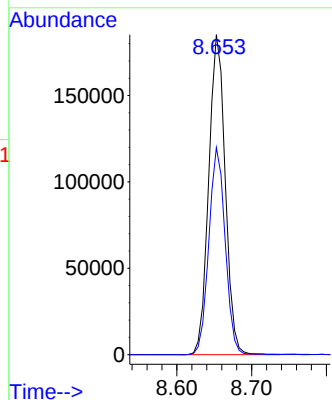
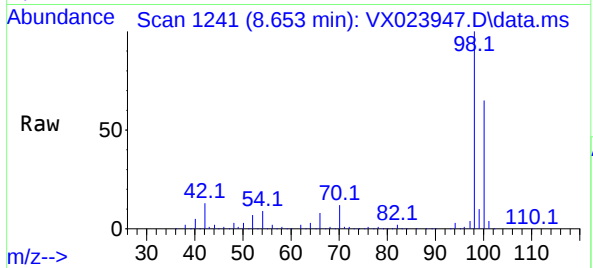




#50
Toluene-d8
Concen: 45.285 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

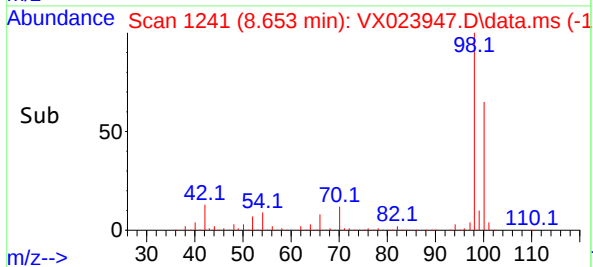
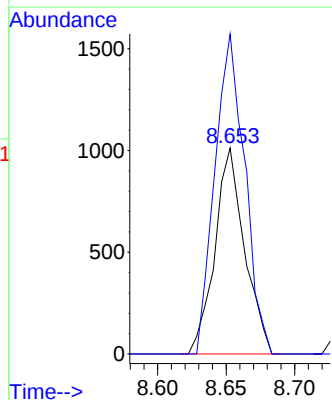
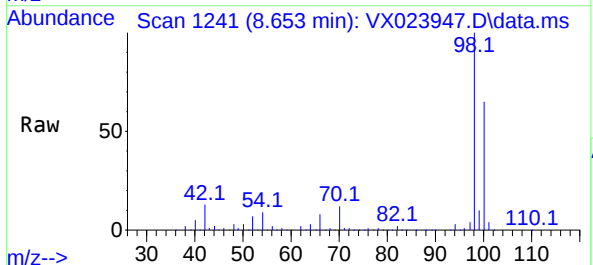
Instrument :
MSVOA_X
ClientSampleId :

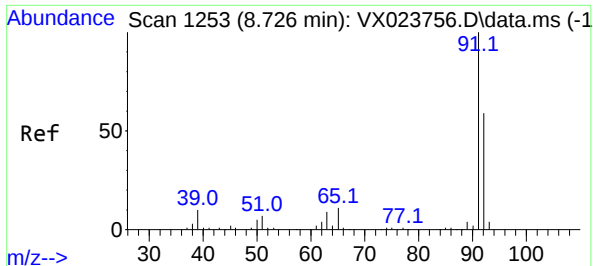
Tgt Ion: 98 Resp: 284348
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.531 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
58 156.7 35.4 53.0#





#52

Toluene

Concen: 0.324 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. -0.000 min

Lab File: VX023947.D

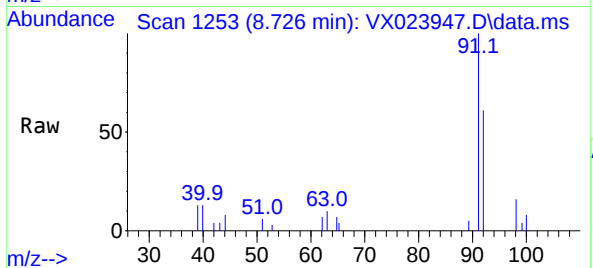
Acq: 25 Aug 2021 18:39

Tgt Ion: 92 Resp: 1433

Ion Ratio Lower Upper

92 100

91 169.5 137.1 205.7



Abundance

1500

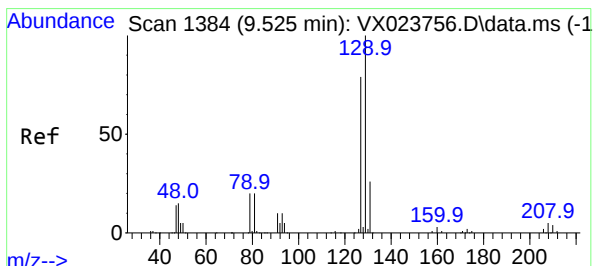
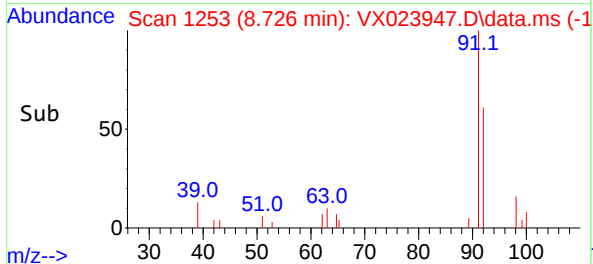
1000

500

0

8.726

Time-->



#60

Dibromochloromethane

Concen: 2.148 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. -0.244 min

Lab File: VX023947.D

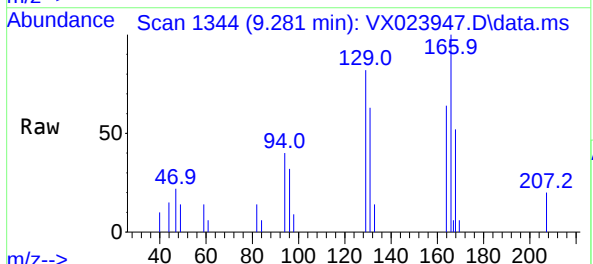
Acq: 25 Aug 2021 18:39

Tgt Ion: 129 Resp: 957

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance

600

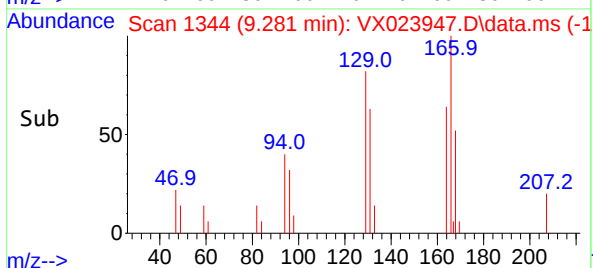
400

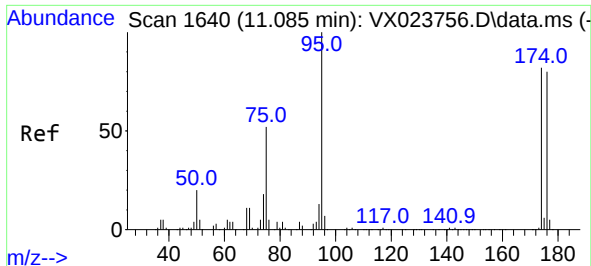
200

0

9.281

Time-->

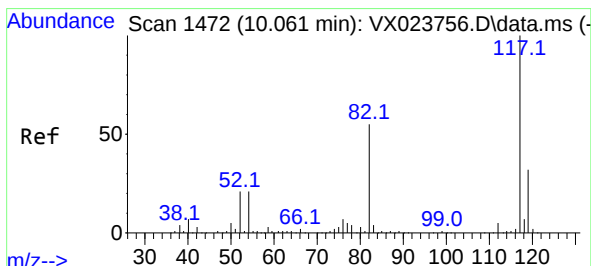
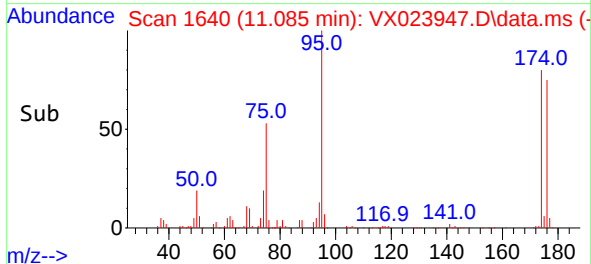
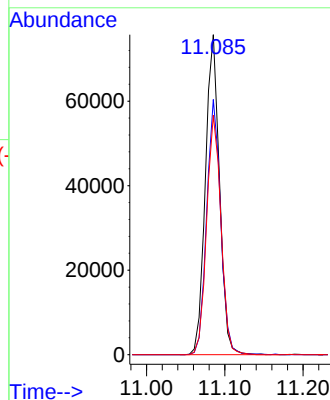
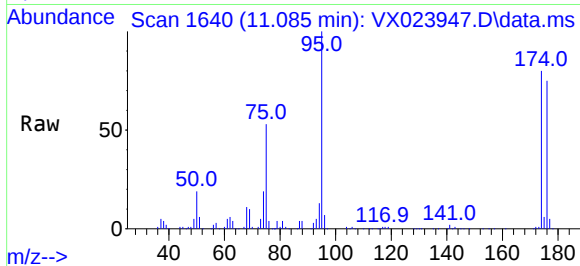




#62
4-Bromofluorobenzene
Concen: 40.856 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

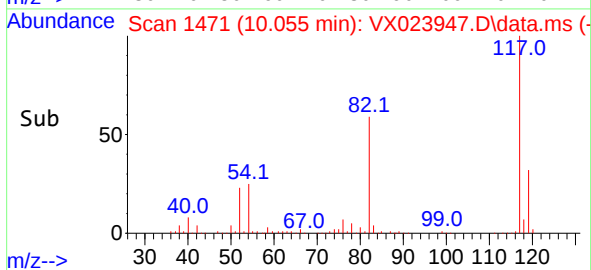
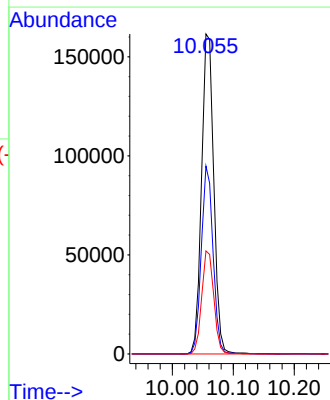
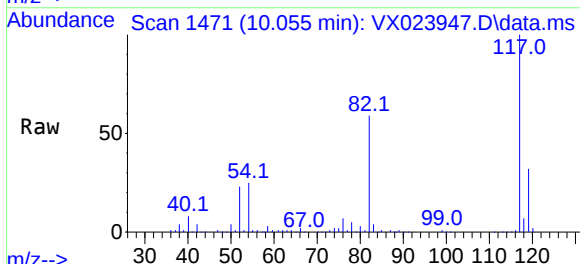
Instrument :
MSVOA_X
ClientSampled :

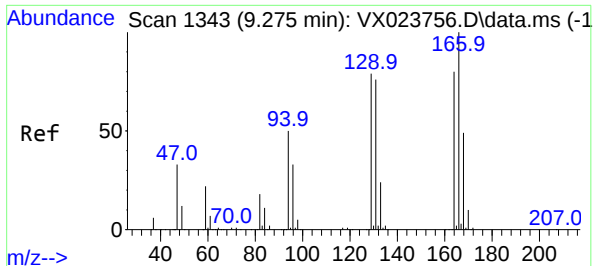
Tgt Ion: 95 Resp: 94438
Ion Ratio Lower Upper
95 100
174 79.1 0.0 154.6
176 76.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

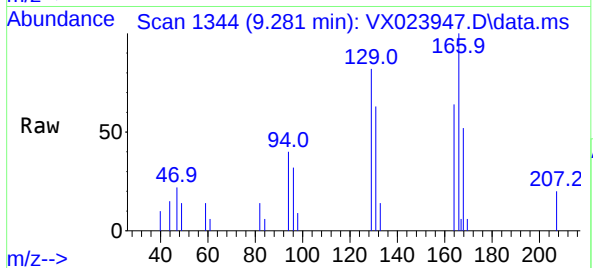
Tgt Ion: 117 Resp: 224603
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 32.2 26.6 39.8



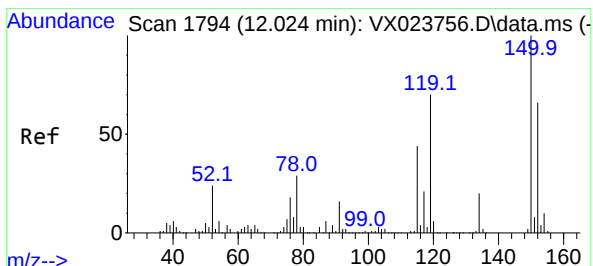
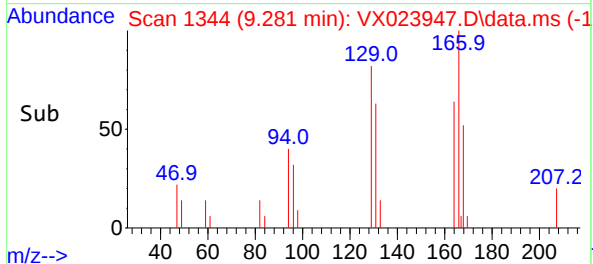
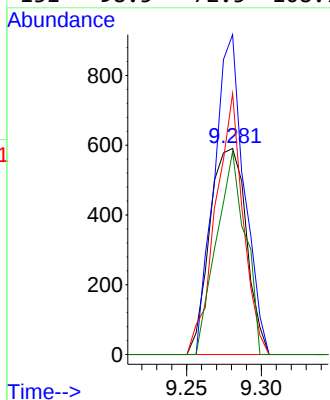


#64
Tetrachloroethene
Concen: 0.561 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Instrument :
MSVOA_X
ClientSampled :

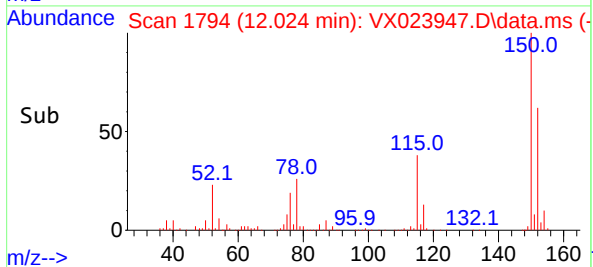
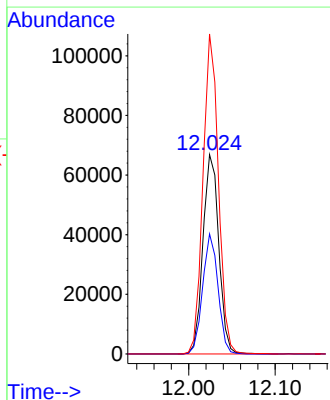
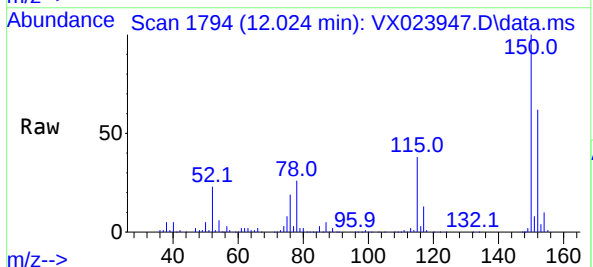


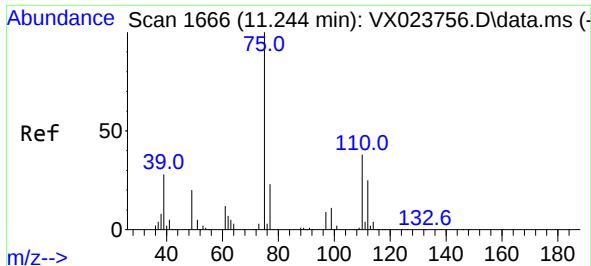
Tgt Ion:164 Resp: 1006
Ion Ratio Lower Upper
164 100
166 155.2 103.4 155.2#
129 126.6 70.8 106.2#
131 98.5 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion:152 Resp: 84860
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 156.3 0.0 349.0

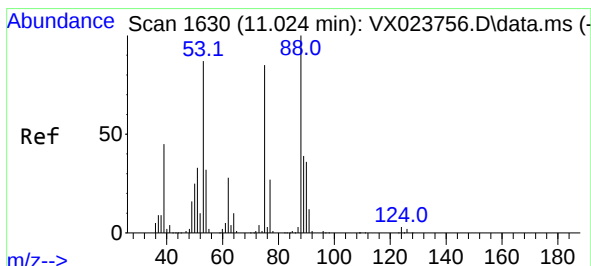
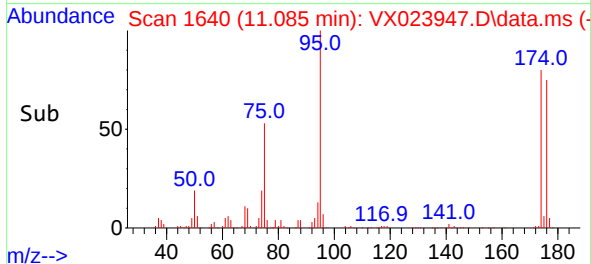
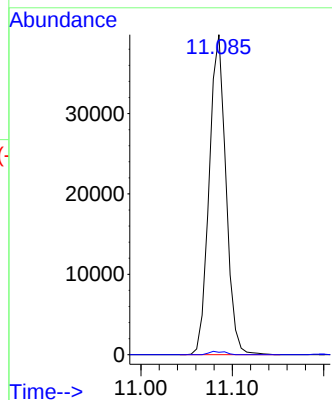
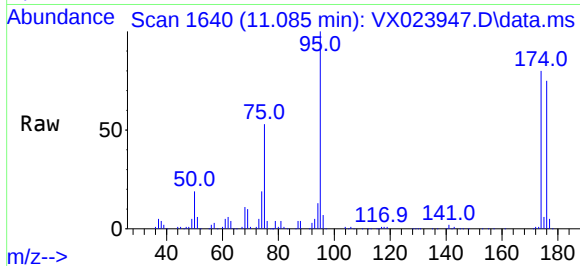




#76
1,2,3-Trichloropropane
Concen: 25.499 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 50476
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.005 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023947.D
Acq: 25 Aug 2021 18:39

Tgt Ion: 75 Resp: 50476
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#

