

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037391.D
 Acq On : 30 Aug 2023 16:06
 Operator : JC/MD
 Sample : 04229-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 31 02:24:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

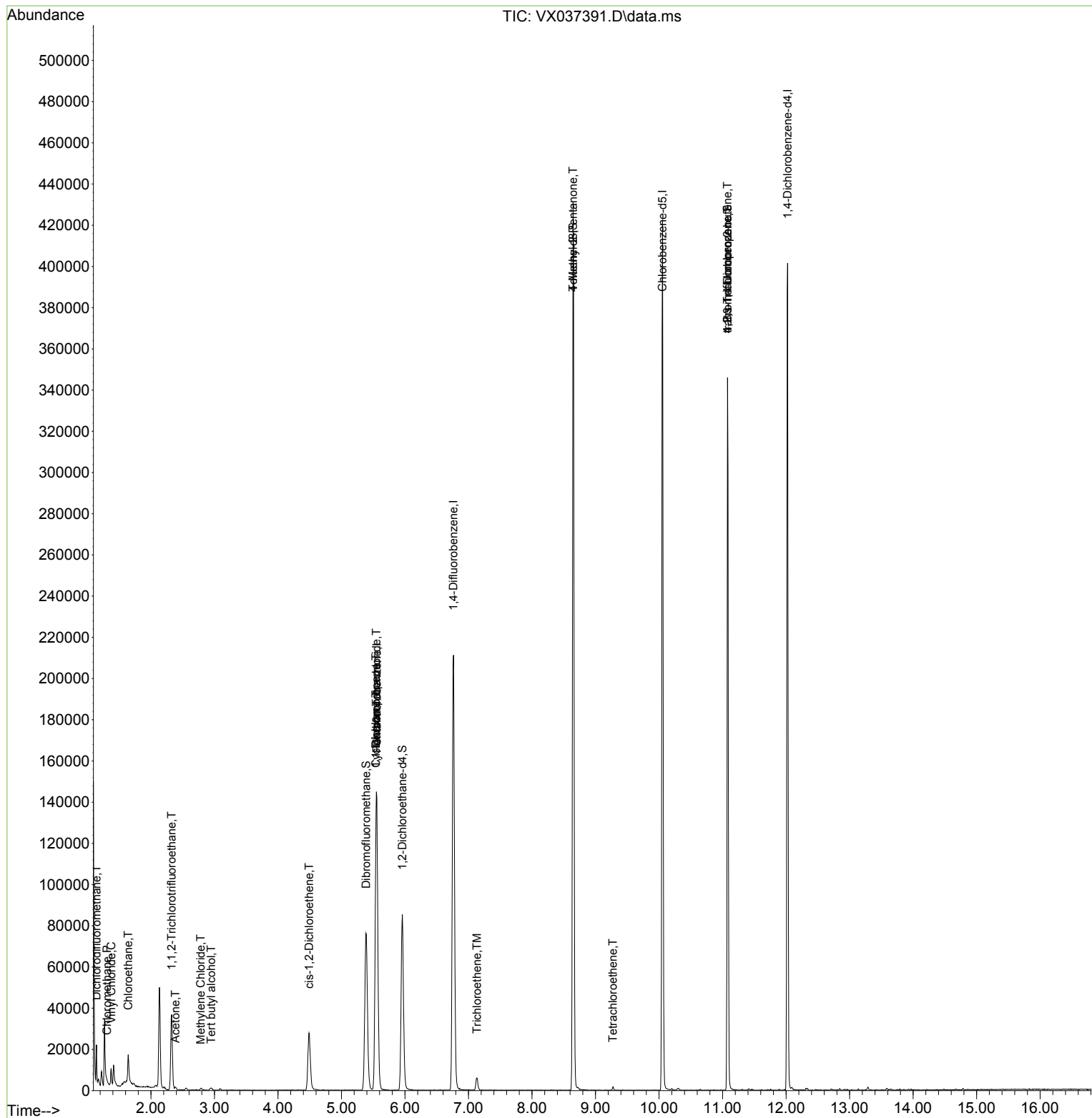
Internal Standards						
1) Pentafluorobenzene	5.556	168	136689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84217	42.736	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.480%
35) Dibromofluoromethane	5.385	113	68988	46.233	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.460%
50) Toluene-d8	8.647	98	264296	48.829	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.660%
62) 4-Bromofluorobenzene	11.079	95	96169	45.211	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	1562	0.984	ug/l	97
3) Chloromethane	1.307	50	379	0.273	ug/l	98
4) Vinyl Chloride	1.374	62	5369	3.551	ug/l	90
6) Chloroethane	1.642	64	677	0.761	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	14968	10.359	ug/l	96
11) Tert butyl alcohol	2.947	59	873	1.889	ug/l #	78
16) Acetone	2.386	43	1701	2.206	ug/l	97
20) Methylene Chloride	2.782	84	549	0.318	ug/l #	68
27) cis-1,2-Dichloroethene	4.489	96	19101	10.130	ug/l	80
31) Cyclohexane	5.544	56	2655	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10618	5.009	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14535	6.312	ug/l #	15
44) Trichloroethene	7.135	130	2622	1.521	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	965	0.462	ug/l #	1
64) Tetrachloroethene	9.275	164	301	0.207	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	47587	25.079	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	47587	70.048	ug/l #	5

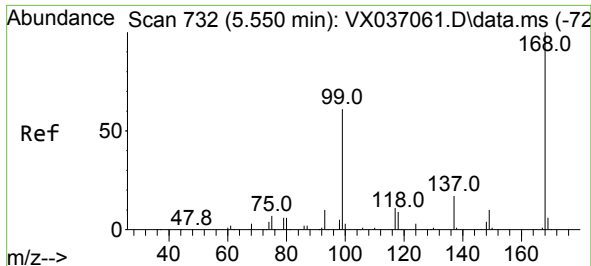
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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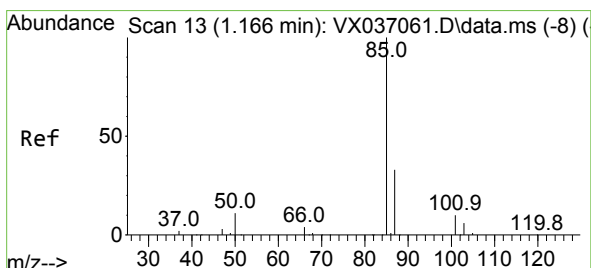
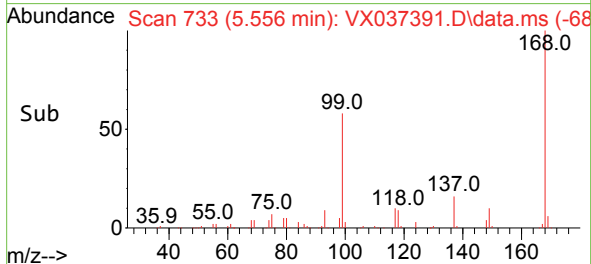
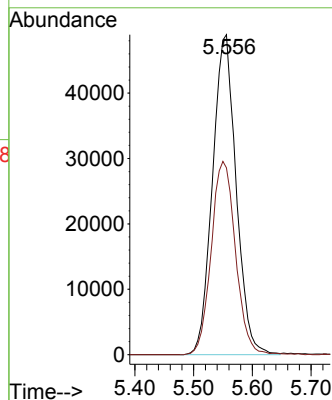
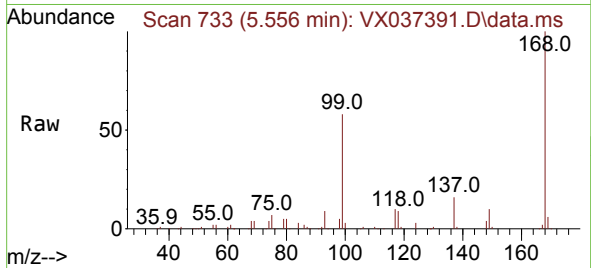




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

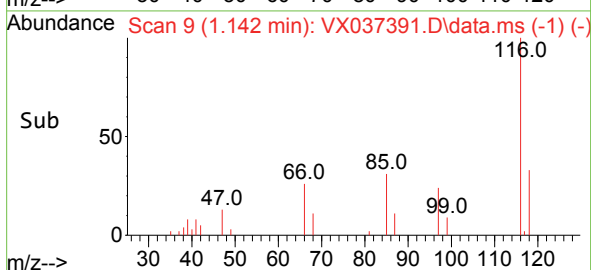
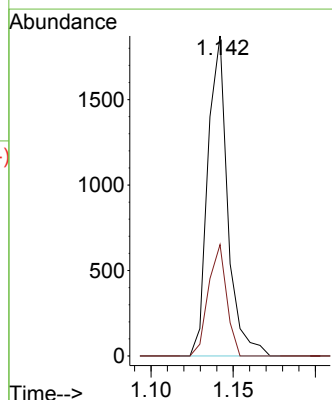
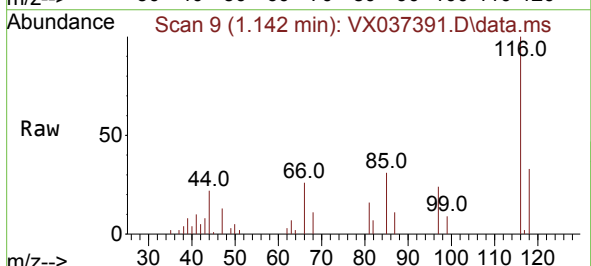
Instrument :
MSVOA_X
ClientSampleId :

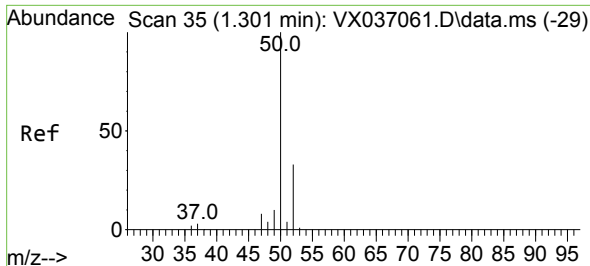
Tgt Ion:168 Resp: 136689
Ion Ratio Lower Upper
168 100
99 58.4 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.984 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 85 Resp: 1562
Ion Ratio Lower Upper
85 100
87 34.8 16.7 50.1

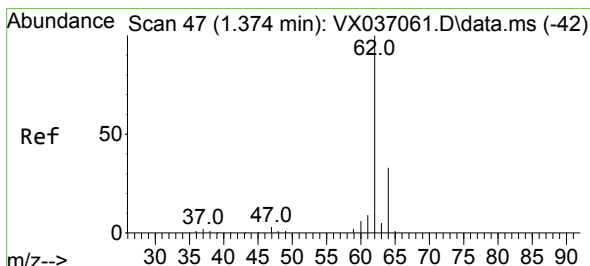
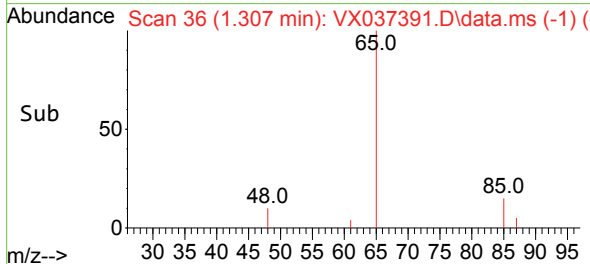
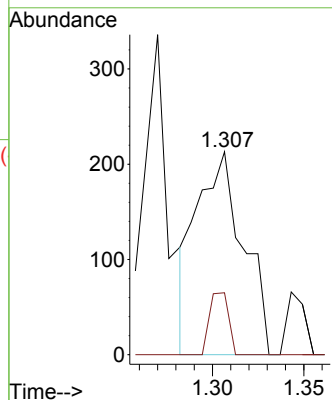
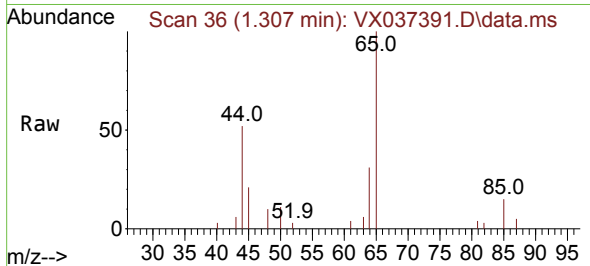




#3
Chloromethane
Concen: 0.273 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

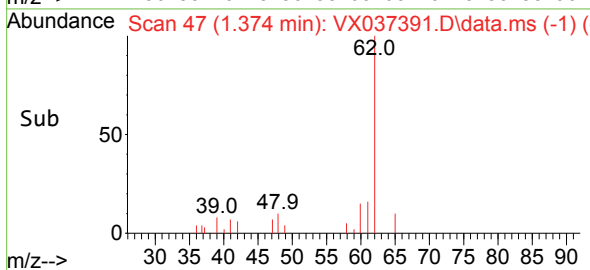
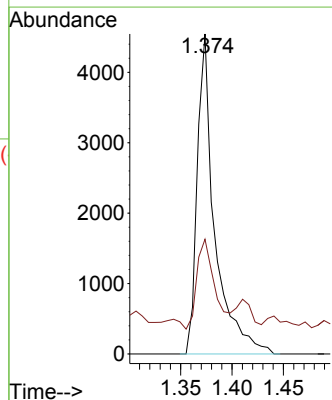
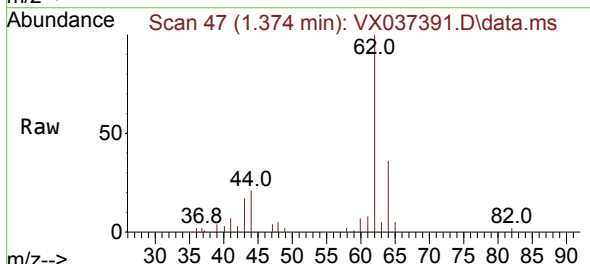
Instrument :
MSVOA_X
ClientSampleId :

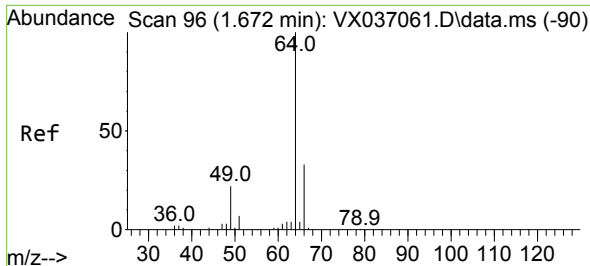
Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 30.5 25.5 38.3



#4
Vinyl Chloride
Concen: 3.551 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 62 Resp: 5369
Ion Ratio Lower Upper
62 100
64 25.9 25.4 38.0

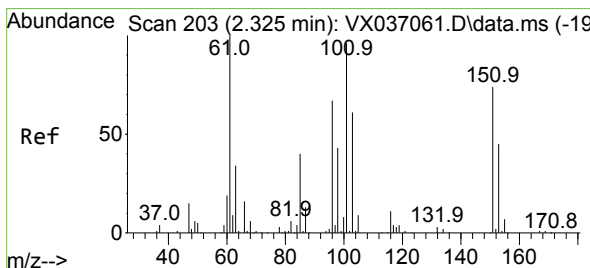
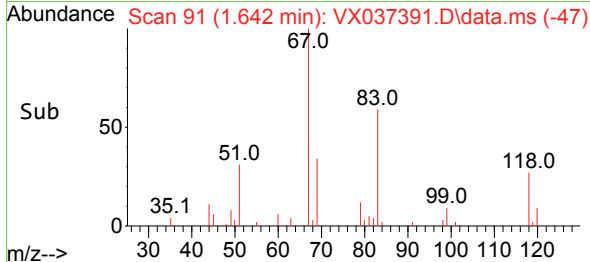
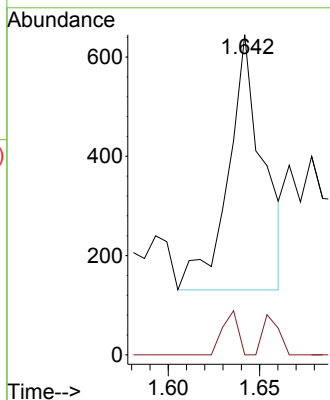
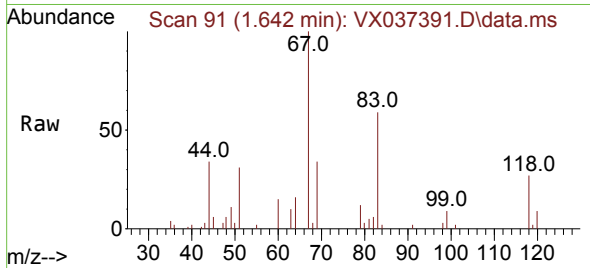




#6
Chloroethane
Concen: 0.761 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.030 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

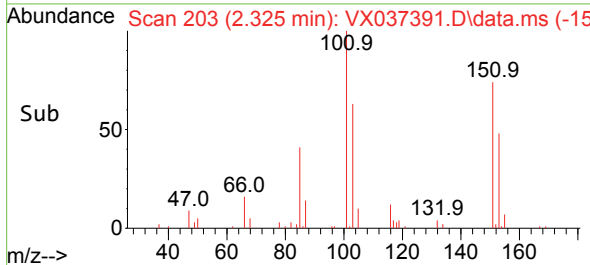
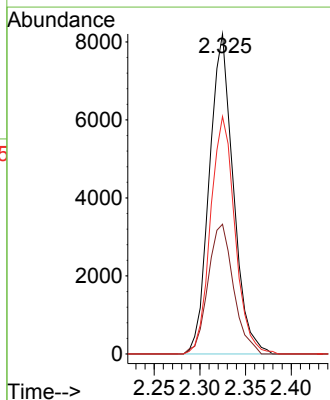
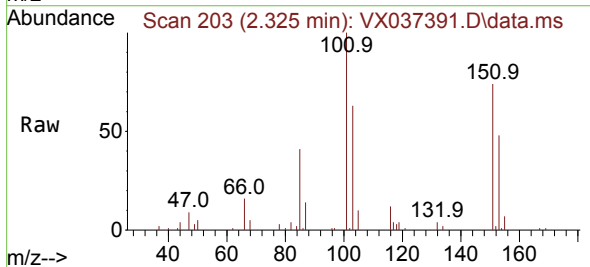
Instrument :
MSVOA_X
ClientSampleId :

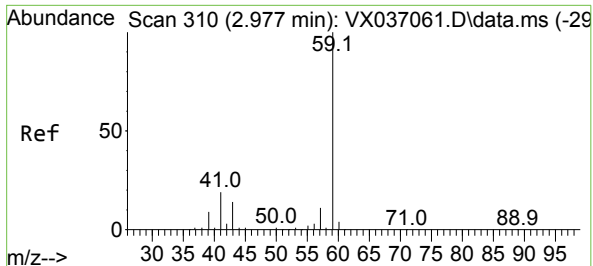
Tgt Ion: 64 Resp: 677
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.359 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 101 Resp: 14968
Ion Ratio Lower Upper
101 100
85 43.1 37.0 55.6
151 75.6 58.6 87.8





#11

Tert butyl alcohol

Concen: 1.889 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.031 min

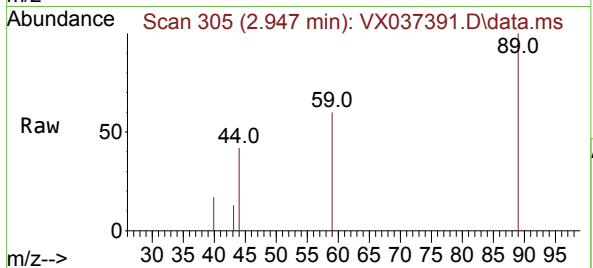
Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

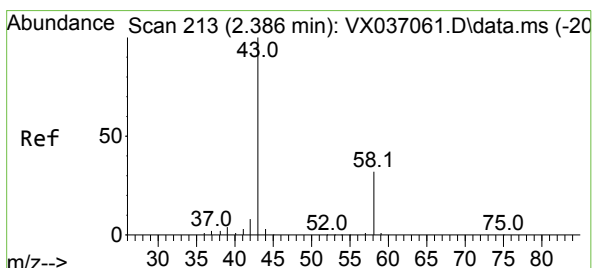
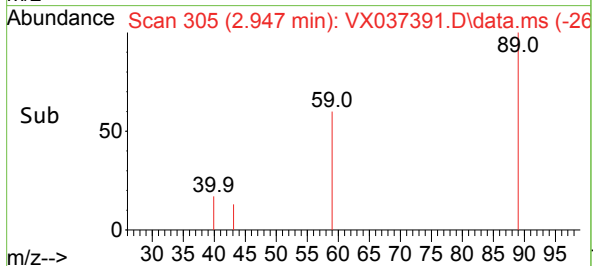
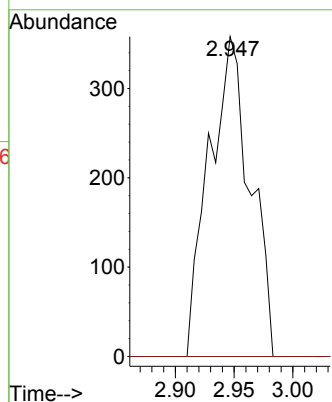


Tgt Ion: 59 Resp: 873

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.206 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037391.D

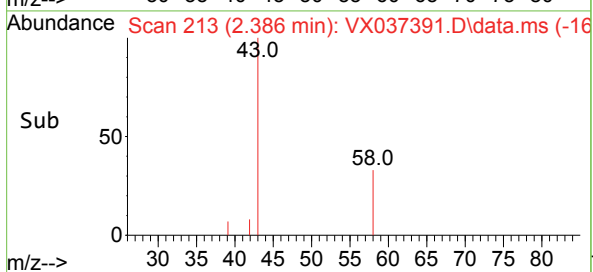
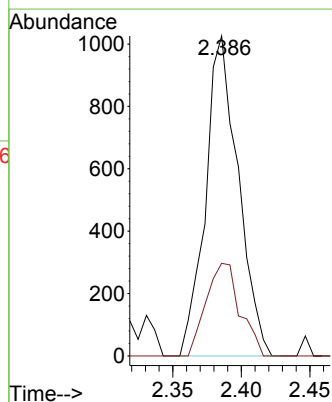
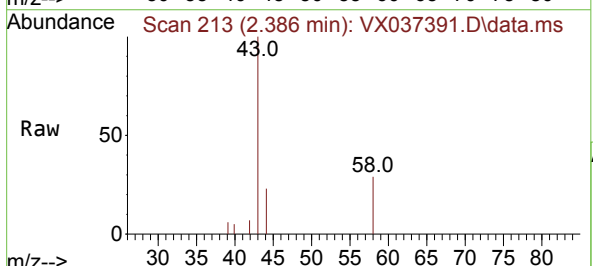
Acq: 30 Aug 2023 16:06

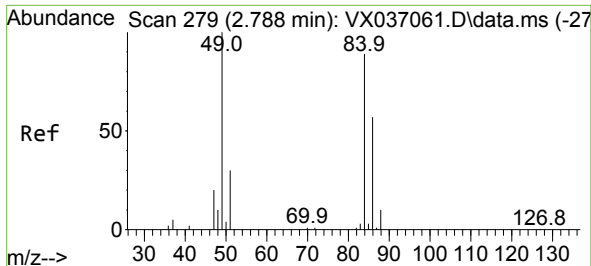
Tgt Ion: 43 Resp: 1701

Ion Ratio Lower Upper

43 100

58 28.9 21.9 32.9





#20

Methylene Chloride

Concen: 0.318 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

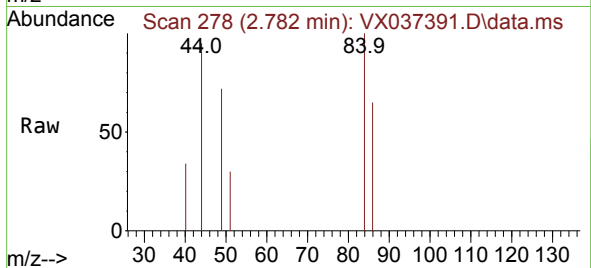
Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 549

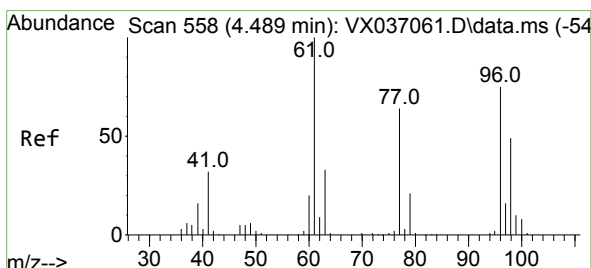
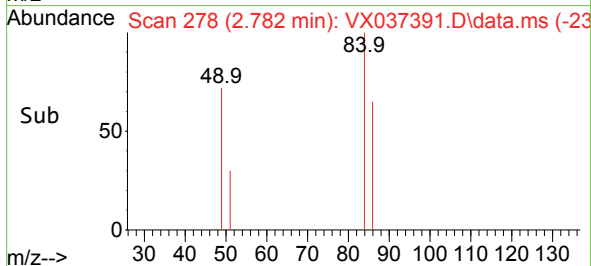
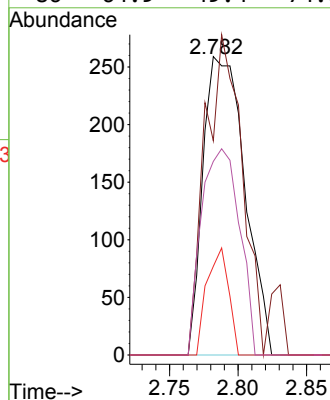
Ion Ratio Lower Upper

84 100

49 71.8 103.6 155.4#

51 29.7 33.8 50.6#

86 64.9 49.4 74.0



#27

cis-1,2-Dichloroethene

Concen: 10.130 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

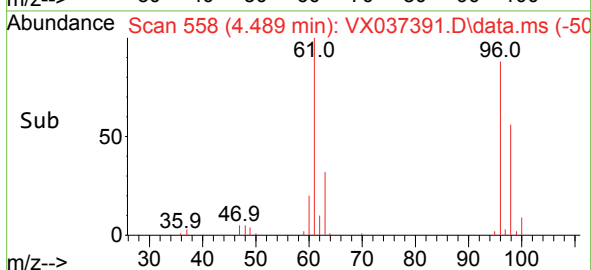
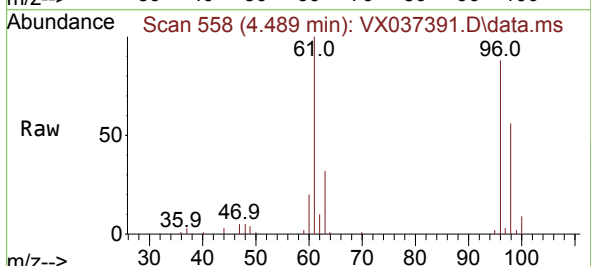
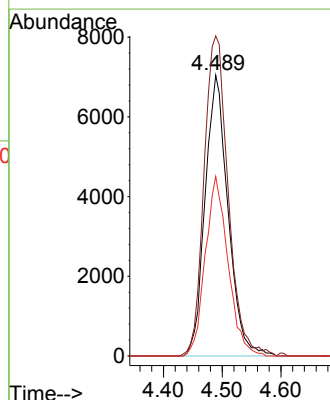
Tgt Ion: 96 Resp: 19101

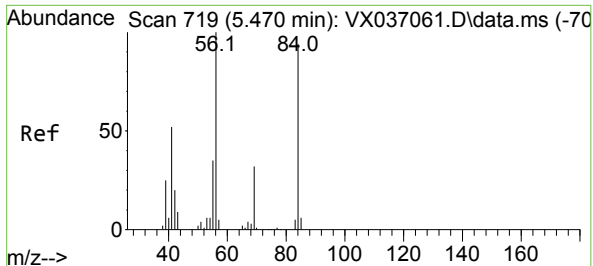
Ion Ratio Lower Upper

96 100

61 119.8 0.0 312.2

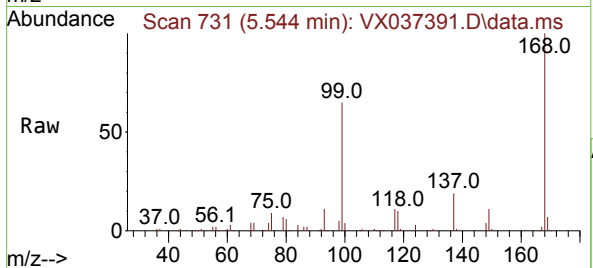
98 63.3 0.0 129.0



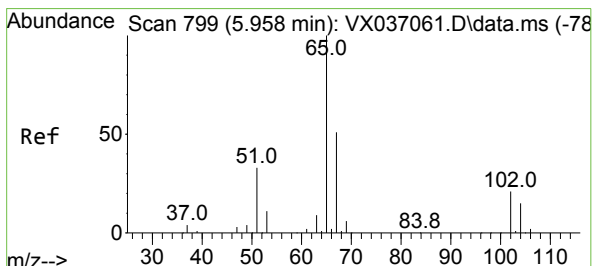
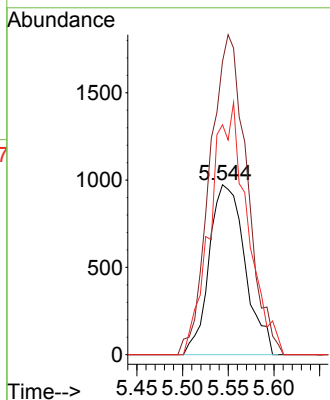
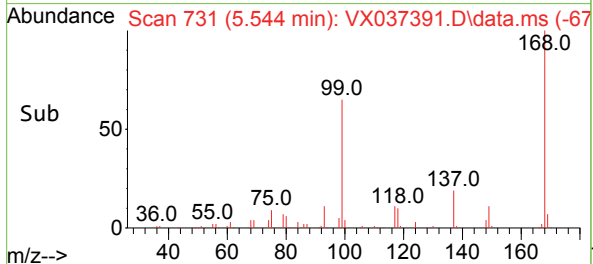


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Instrument :
MSVOA_X
ClientSampleId :

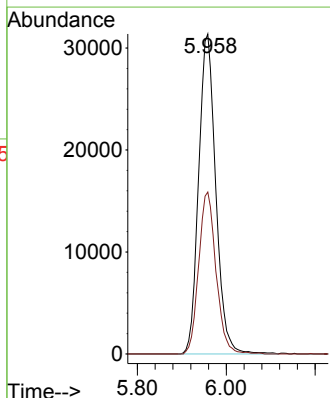
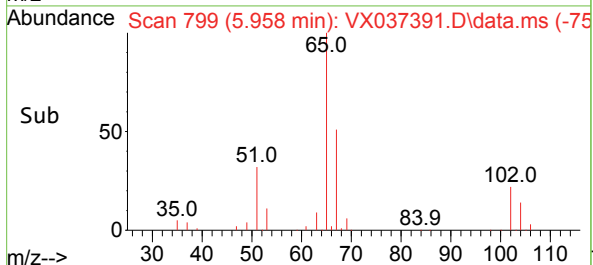
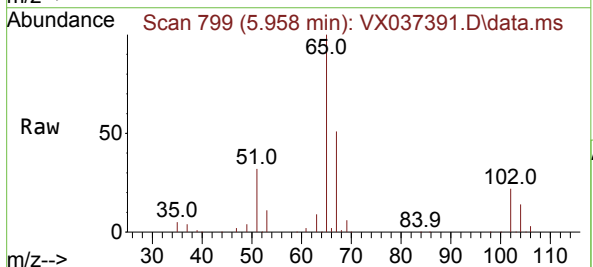


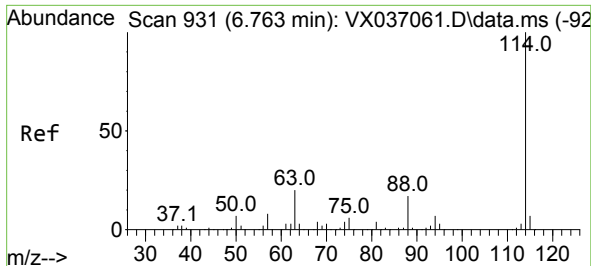
Tgt Ion: 56 Resp: 2655
Ion Ratio Lower Upper
56 100
69 172.7 23.4 35.2#
84 135.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.736 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 65 Resp: 84217
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

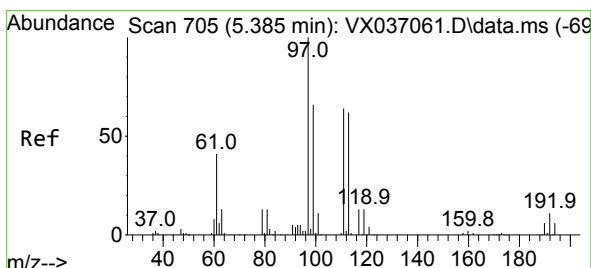
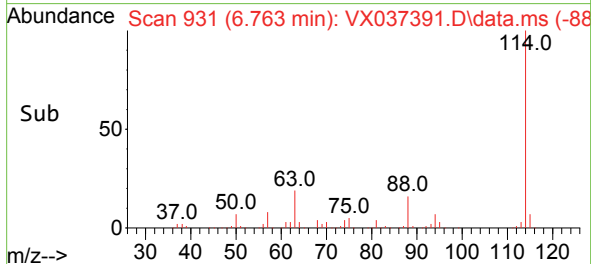
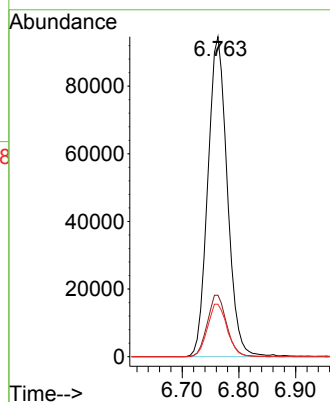
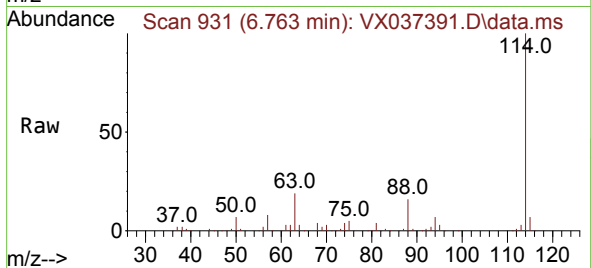




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

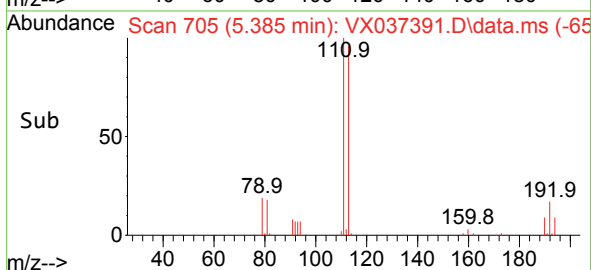
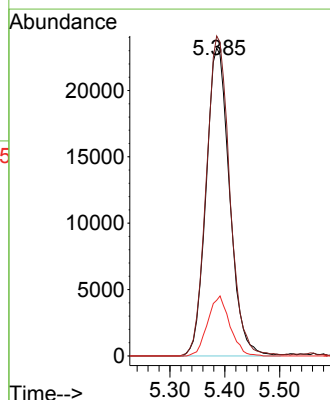
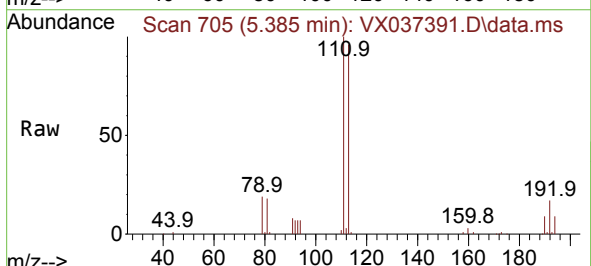
Instrument :
MSVOA_X
ClientSampleId :

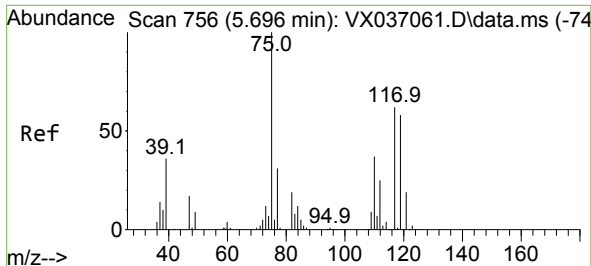
Tgt Ion:114 Resp: 225312
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.233 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion:113 Resp: 68988
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 18.4 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.009 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

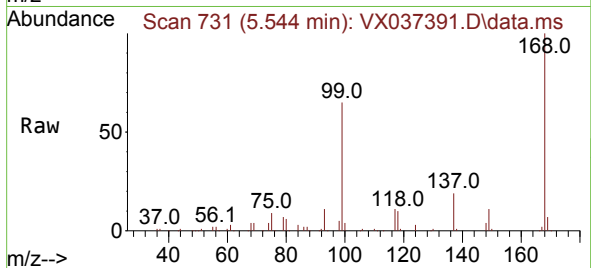
Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :



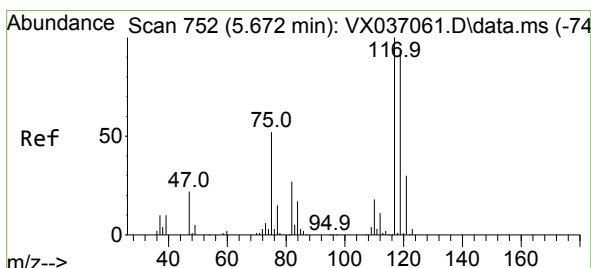
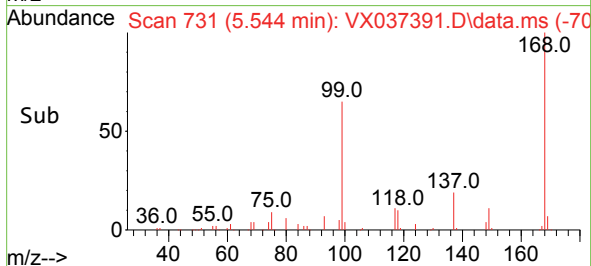
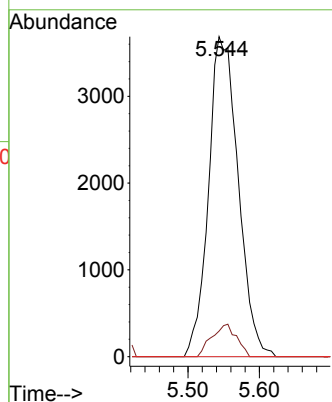
Tgt Ion: 75 Resp: 10618

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.312 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

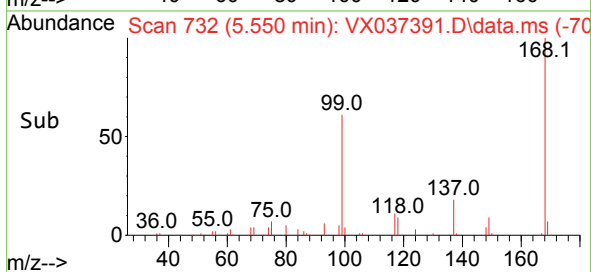
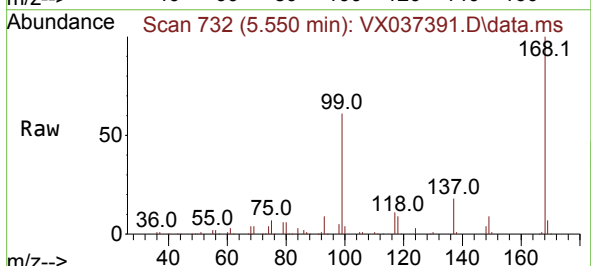
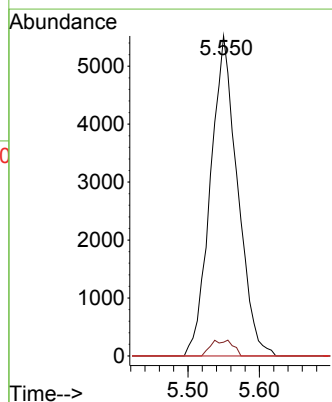
Tgt Ion: 117 Resp: 14535

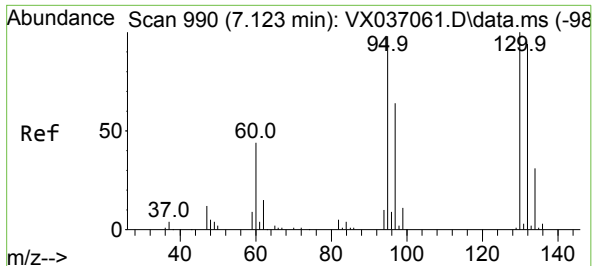
Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

121 0.0 24.4 36.6#

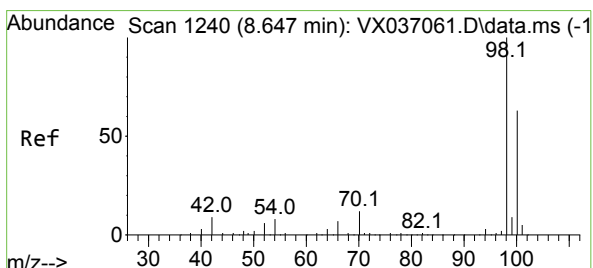
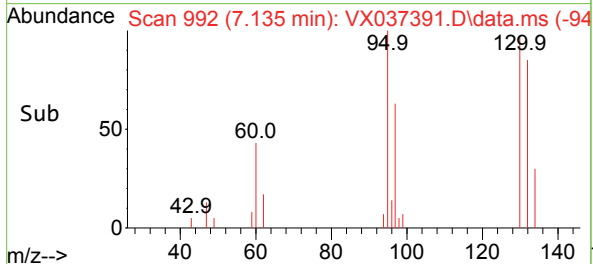
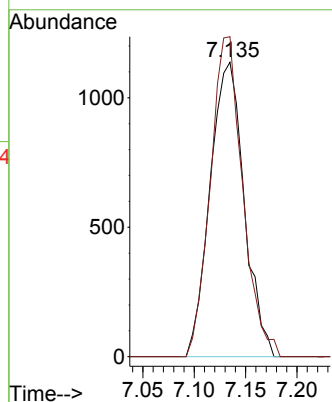
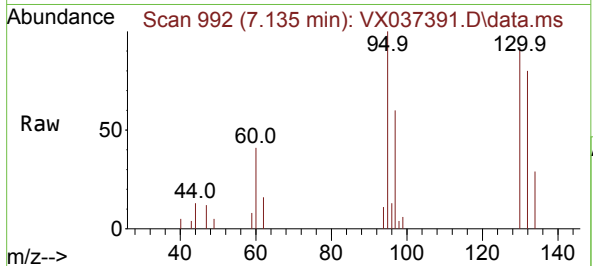




#44
Trichloroethene
Concen: 1.521 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

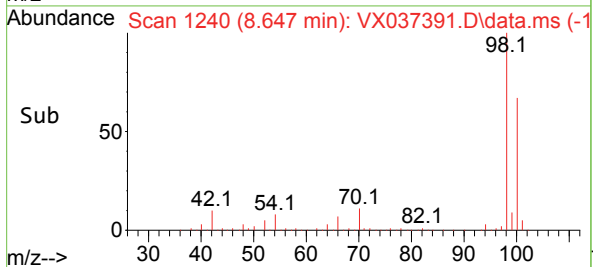
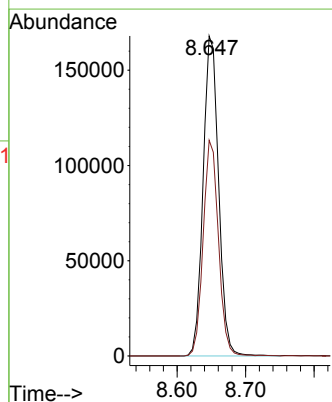
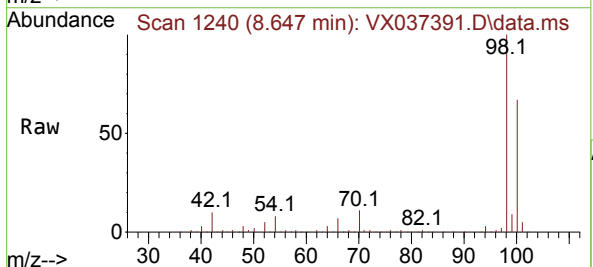
Instrument :
MSVOA_X
ClientSampleId :

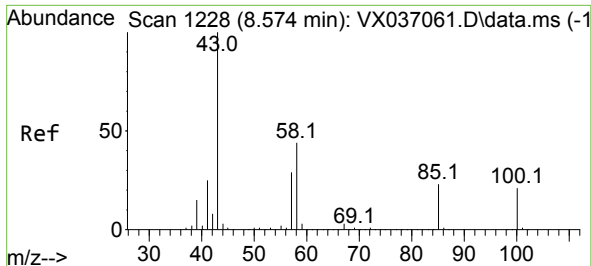
Tgt Ion:130 Resp: 2622
Ion Ratio Lower Upper
130 100
95 108.7 0.0 204.4



#50
Toluene-d8
Concen: 48.829 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion: 98 Resp: 264296
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.462 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

Instrument :

MSVOA_X

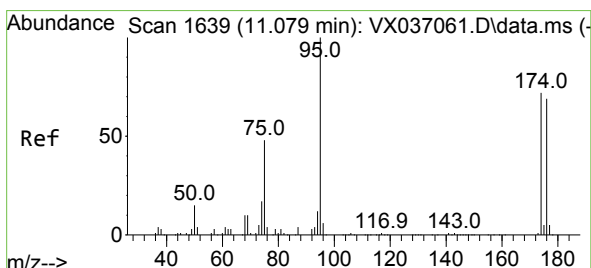
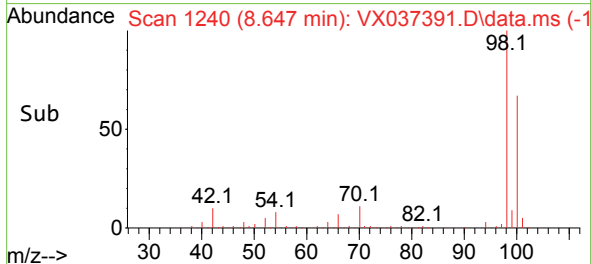
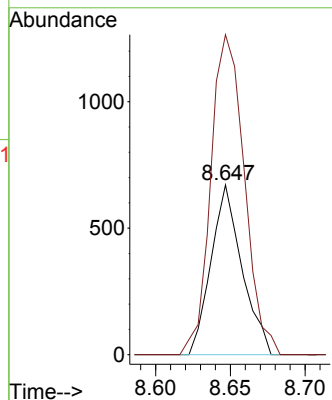
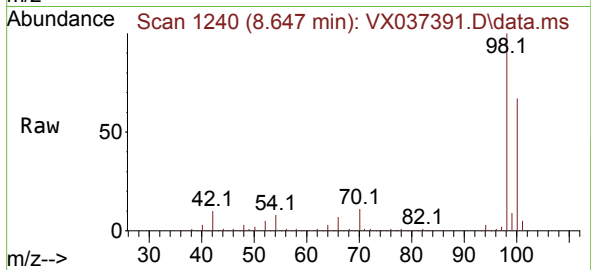
ClientSampleId :

Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

43 100

58 204.8 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 45.211 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

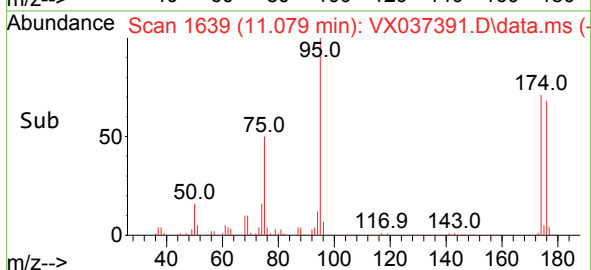
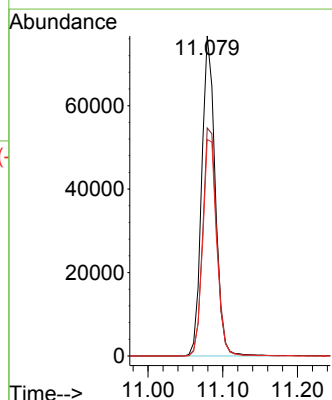
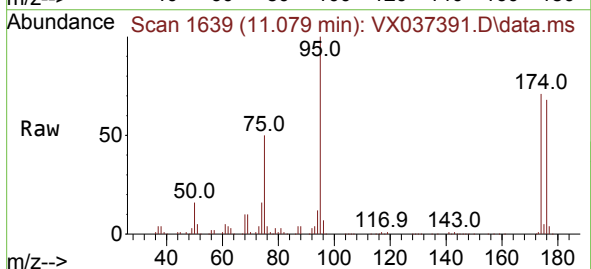
Tgt Ion: 95 Resp: 96169

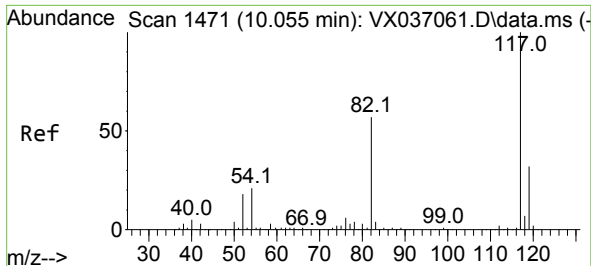
Ion Ratio Lower Upper

95 100

174 74.5 0.0 135.6

176 70.5 0.0 131.0

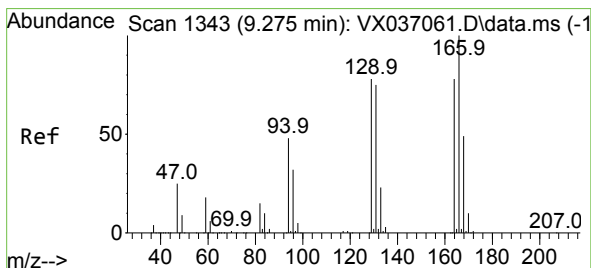
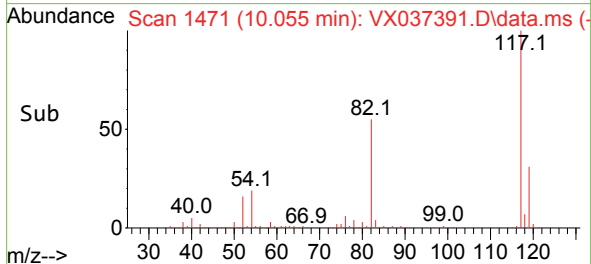
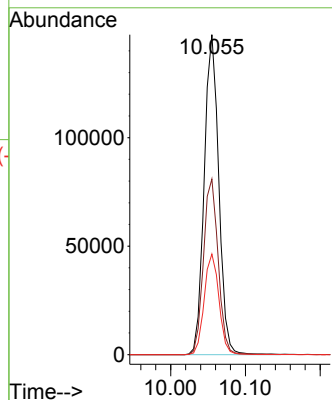
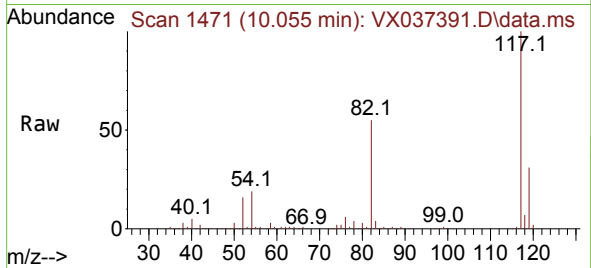




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

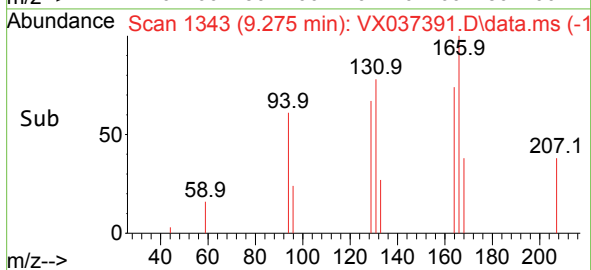
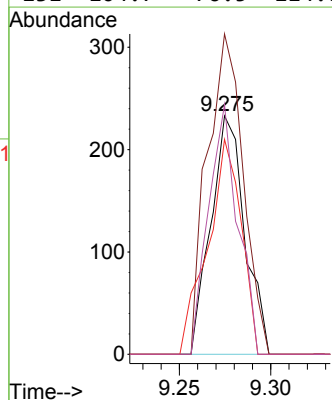
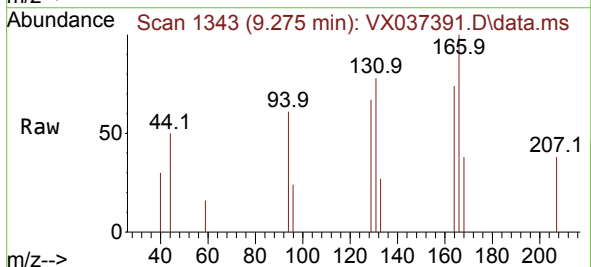
Instrument :
MSVOA_X
ClientSampleId :

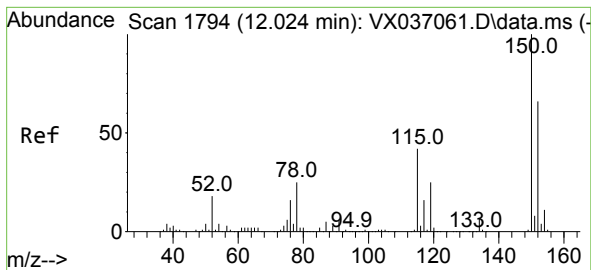
Tgt Ion:117 Resp: 199389
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 31.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.207 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037391.D
Acq: 30 Aug 2023 16:06

Tgt Ion:164 Resp: 301
Ion Ratio Lower Upper
164 100
166 134.3 102.7 154.1
129 90.1 80.4 120.6
131 104.7 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037391.D

Acq: 30 Aug 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

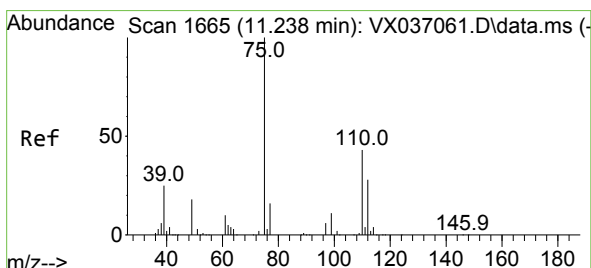
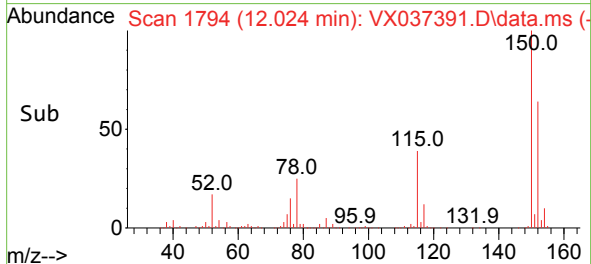
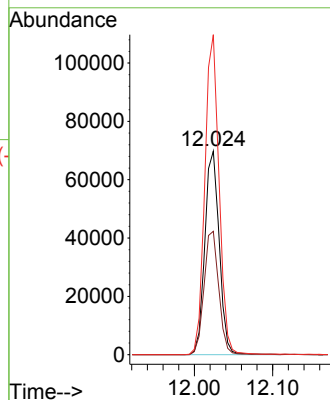
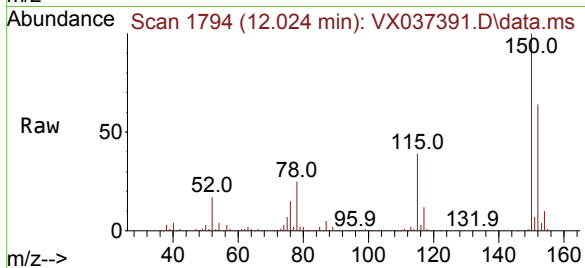
Tgt Ion:152 Resp: 89096

Ion Ratio Lower Upper

152 100

115 62.1 43.3 129.9

150 154.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.079 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037391.D

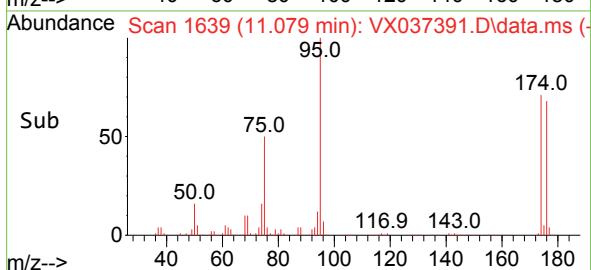
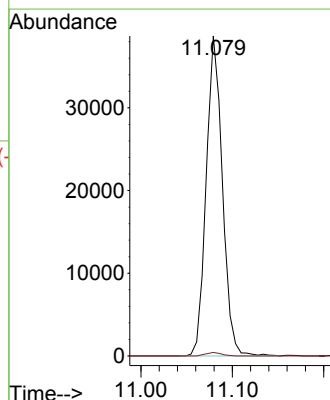
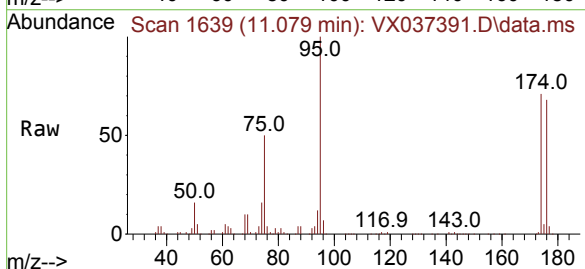
Acq: 30 Aug 2023 16:06

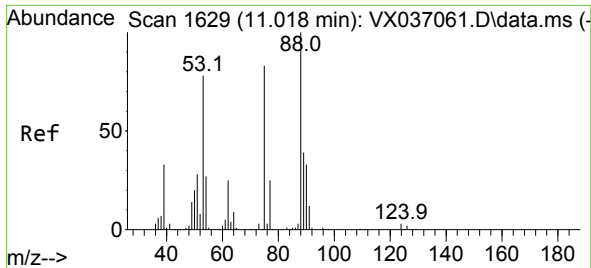
Tgt Ion: 75 Resp: 47587

Ion Ratio Lower Upper

75 100

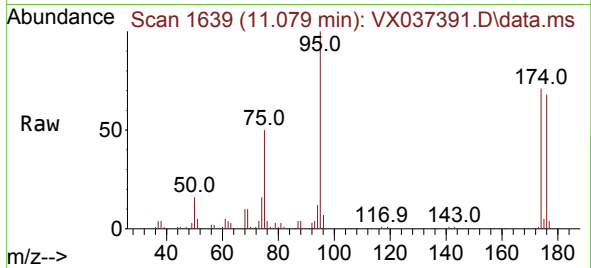
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.048 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037391.D
 Acq: 30 Aug 2023 16:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 47587
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

