

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022423\
 Data File : VX034266.D
 Acq On : 24 Feb 2023 16:14
 Operator : JC/MD
 Sample : 01701-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Feb 24 22:23:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

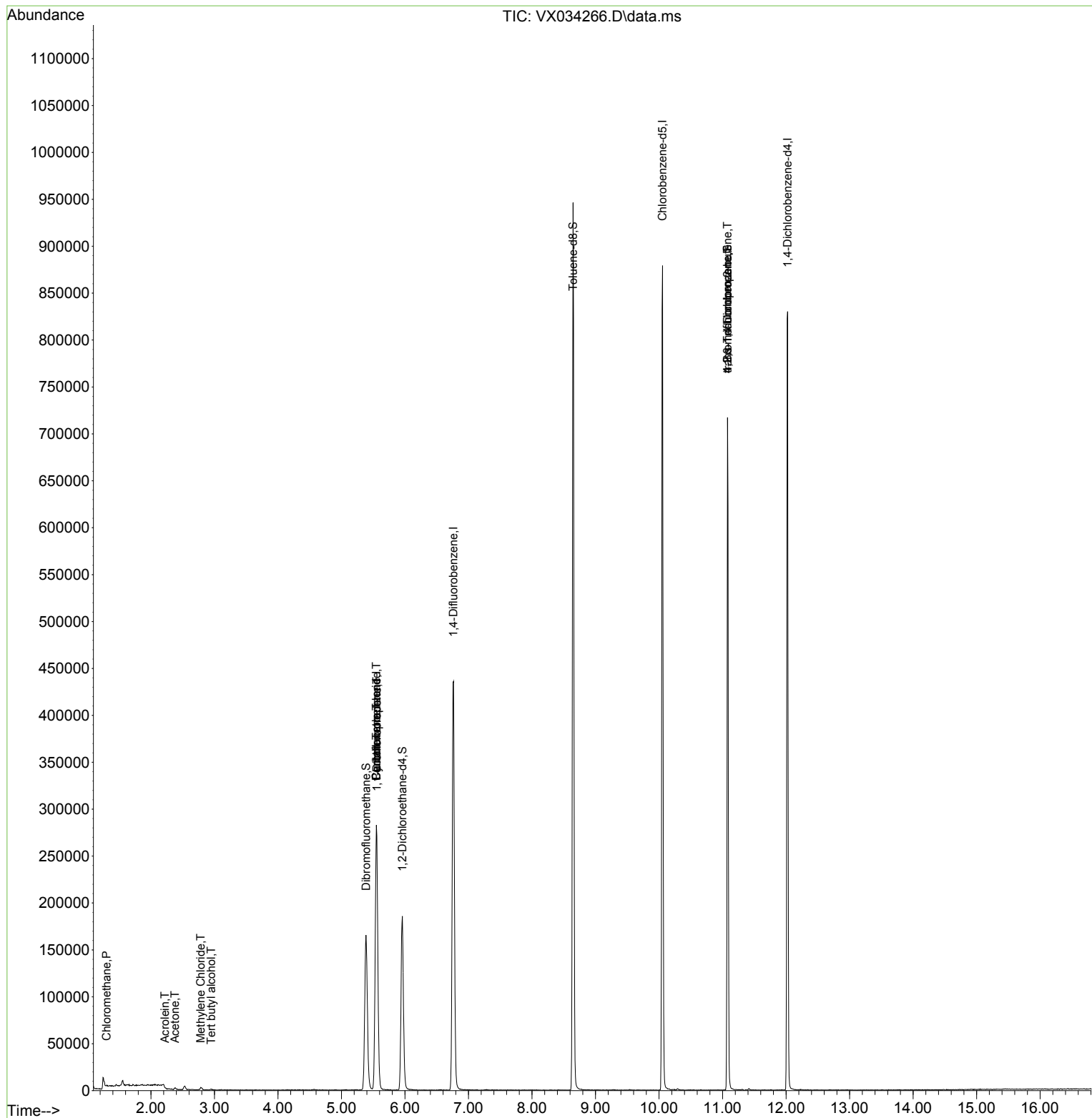
Internal Standards						
1) Pentafluorobenzene	5.550	168	283754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	468541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165438	43.291	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.580%
35) Dibromofluoromethane	5.385	113	144266	47.290	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.580%
50) Toluene-d8	8.647	98	549997	50.215	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.420%
62) 4-Bromofluorobenzene	11.079	95	188114	44.901	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	739	0.209	ug/l	89
5) Bromomethane	1.611	94	245	Below Cal		93
11) Tert butyl alcohol	2.947	59	309	0.362	ug/l #	93
13) Acrolein	2.221	56	259	0.664	ug/l	90
16) Acetone	2.380	43	2079	1.055	ug/l #	88
20) Methylene Chloride	2.782	84	1064	0.300	ug/l	92
31) Cyclohexane	5.550	56	5629	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	20251	4.489	ug/l #	48
38) Carbon Tetrachloride	5.550	117	25983	5.597	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	93549	20.070	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	93549	51.557	ug/l #	8

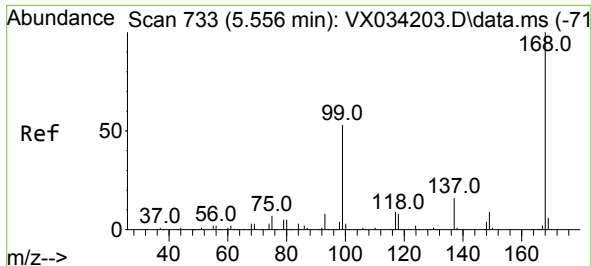
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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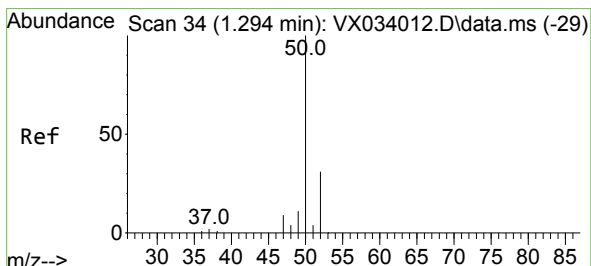
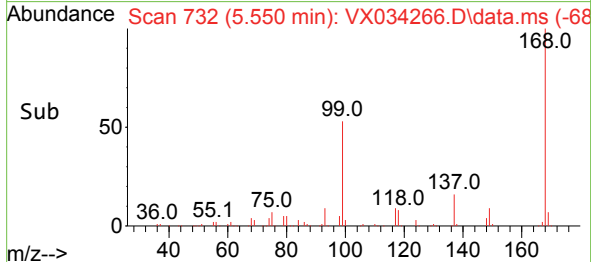
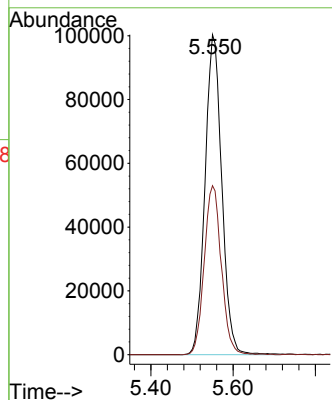
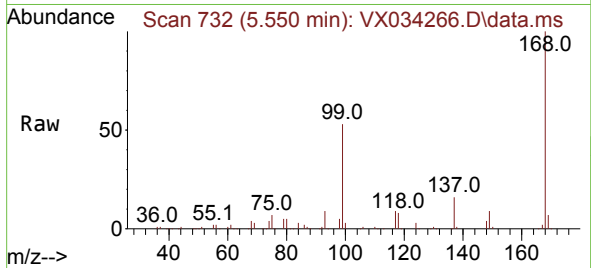




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

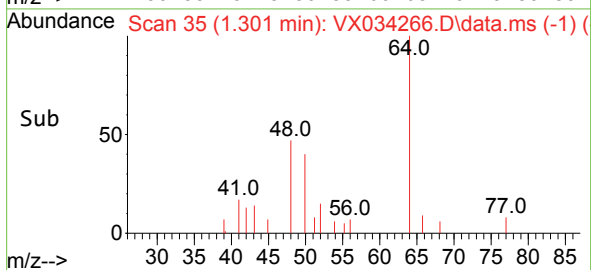
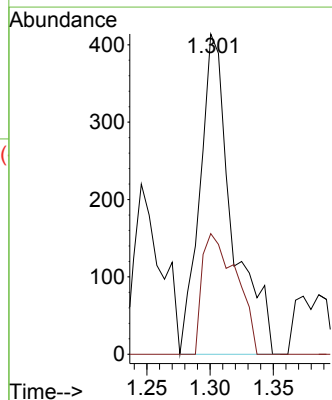
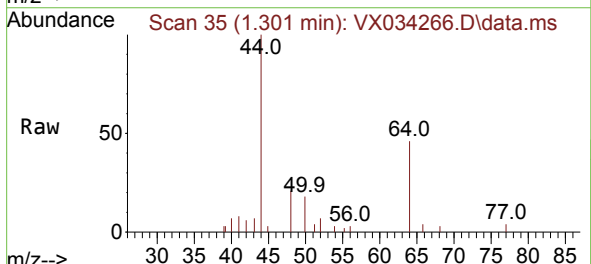
Instrument :
MSVOA_X
ClientSampleId :
TB

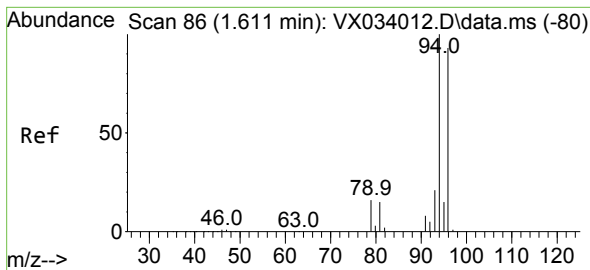
Tgt Ion:168 Resp: 283754
Ion Ratio Lower Upper
168 100
99 52.8 39.6 59.4



#3
Chloromethane
Concen: 0.209 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

Tgt Ion: 50 Resp: 739
Ion Ratio Lower Upper
50 100
52 37.7 25.2 37.8





#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 80

Delta R.T. 0.012 min

Lab File: VX034266.D

Acq: 24 Feb 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :

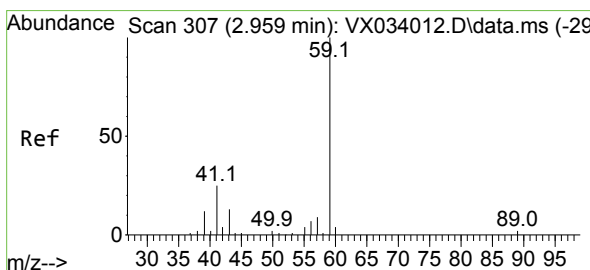
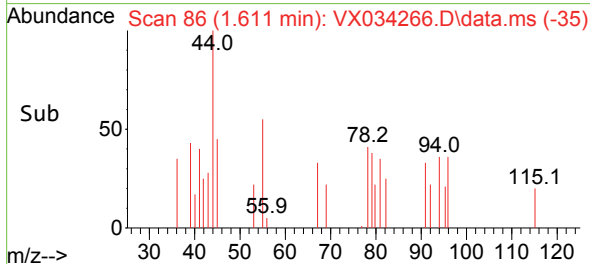
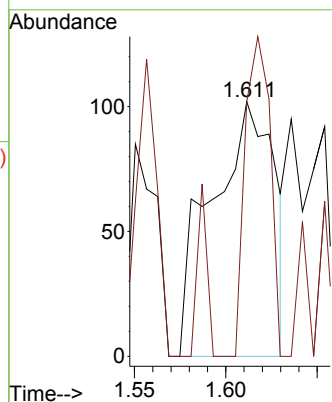
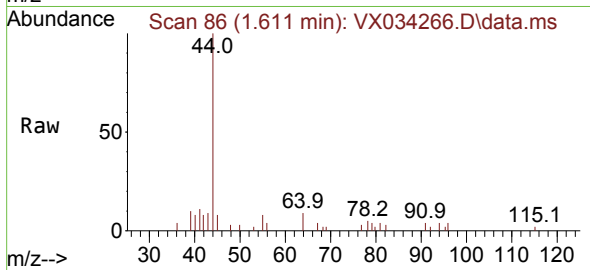
TB

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

96 100.0 74.3 111.5



#11

Tert butyl alcohol

Concen: 0.362 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.006 min

Lab File: VX034266.D

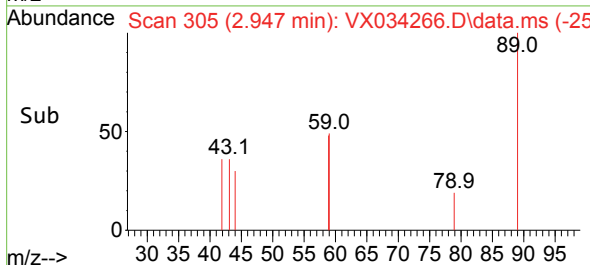
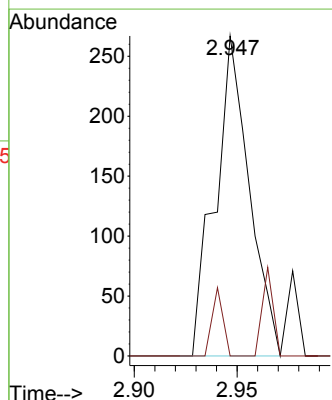
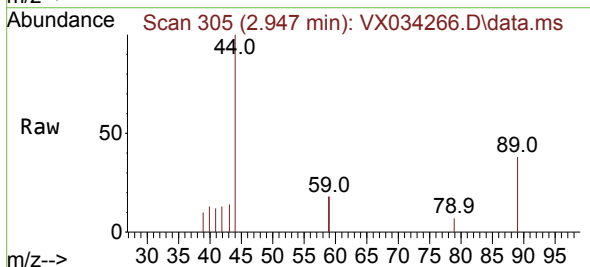
Acq: 24 Feb 2023 16:14

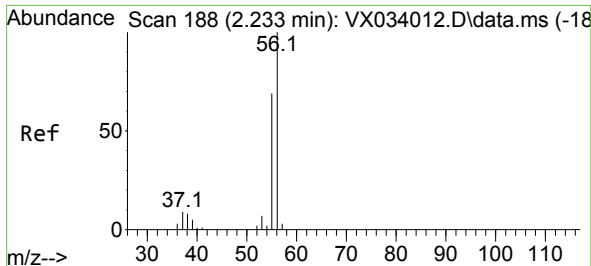
Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

59 100

57 6.8 3.7 5.5#





#13

Acrolein

Concen: 0.664 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX034266.D

Acq: 24 Feb 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :

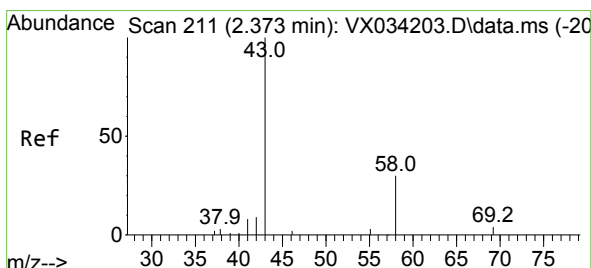
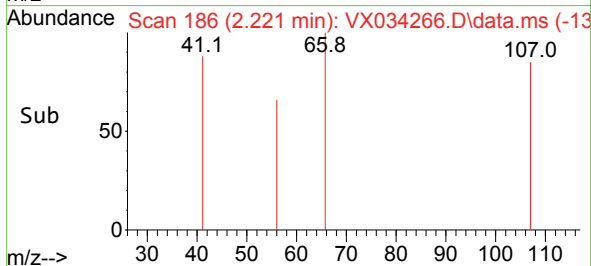
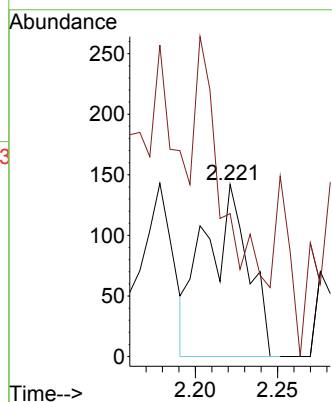
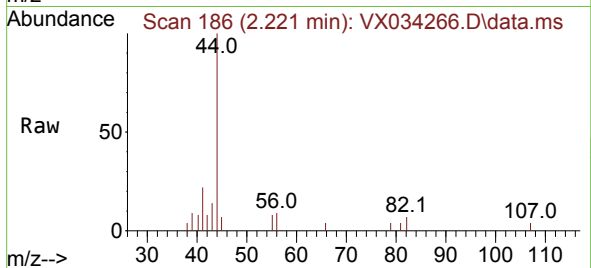
TB

Tgt Ion: 56 Resp: 259

Ion Ratio Lower Upper

56 100

55 78.8 56.3 84.5



#16

Acetone

Concen: 1.055 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034266.D

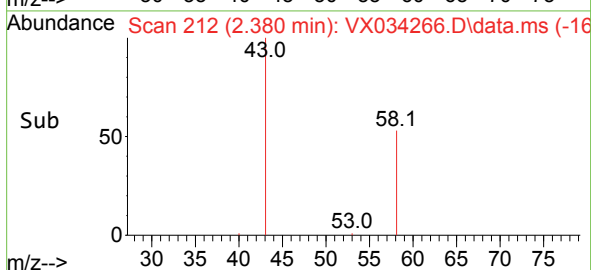
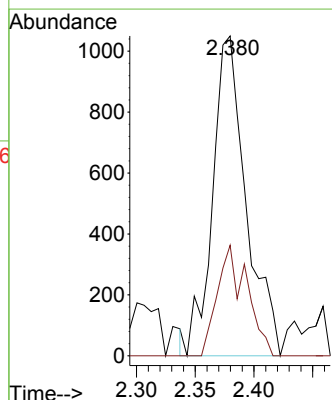
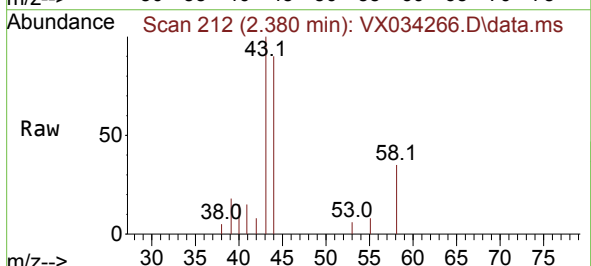
Acq: 24 Feb 2023 16:14

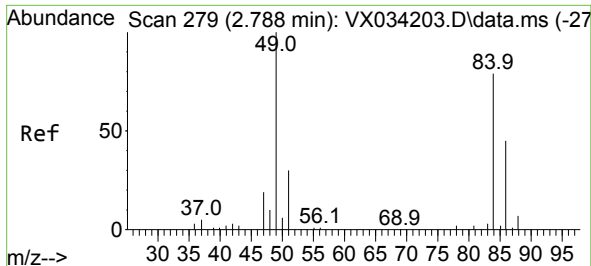
Tgt Ion: 43 Resp: 2079

Ion Ratio Lower Upper

43 100

58 34.6 22.6 33.8#



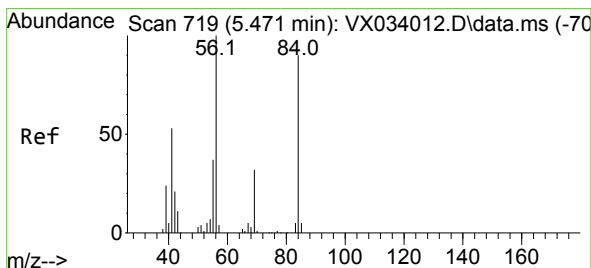
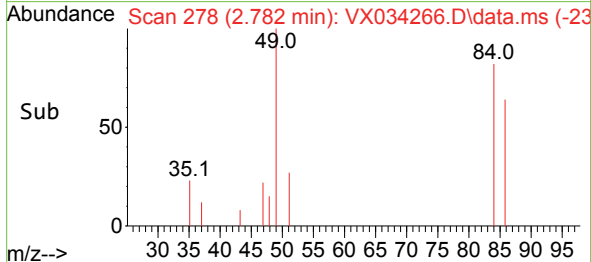
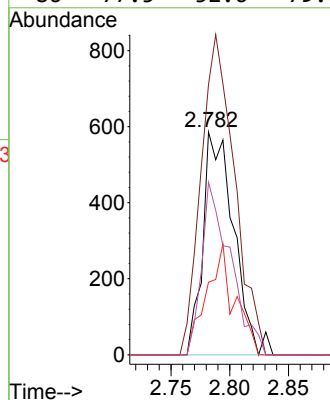
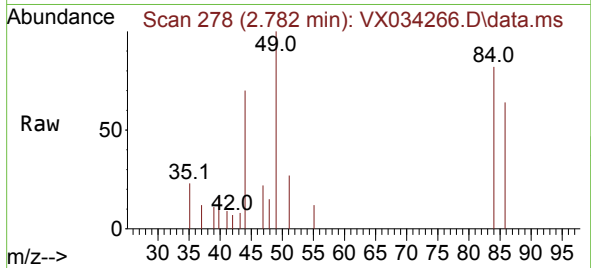


#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 84 Resp: 1064

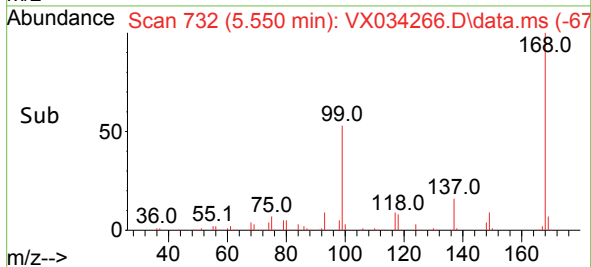
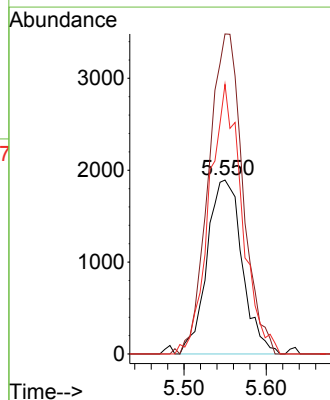
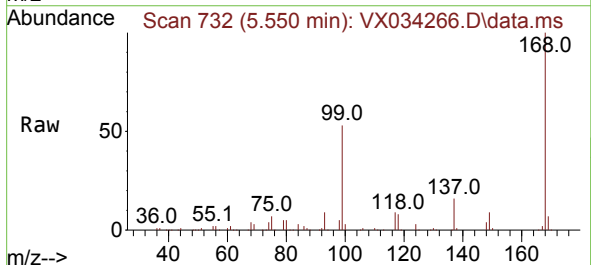
Ion	Ratio	Lower	Upper
84	100		
49	121.3	101.1	151.7
51	32.6	31.0	46.6
86	77.5	52.6	79.0

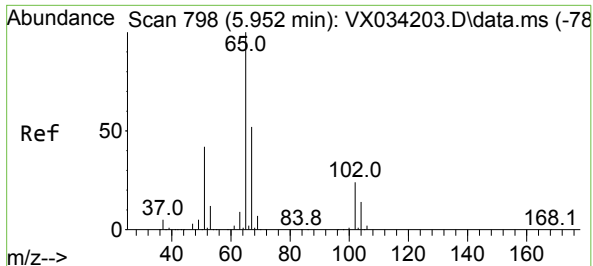


#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

Tgt Ion: 56 Resp: 5629

Ion	Ratio	Lower	Upper
56	100		
69	183.9	24.6	37.0#
84	154.9	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 43.291 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034266.D

Acq: 24 Feb 2023 16:14

Instrument :

MSVOA_X

ClientSampleId :

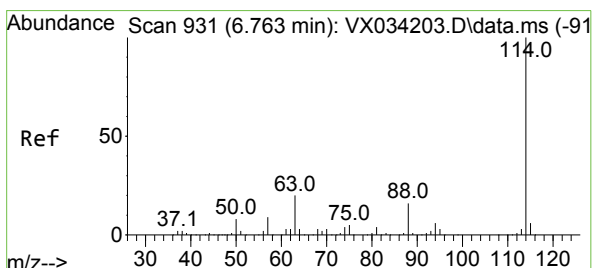
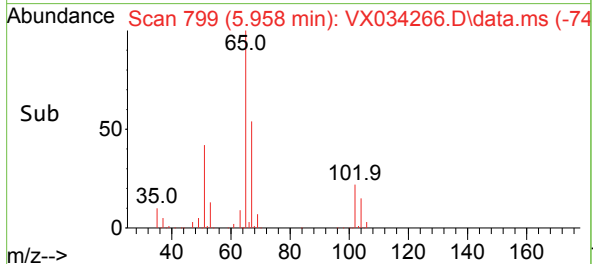
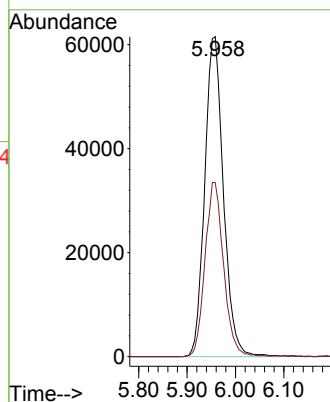
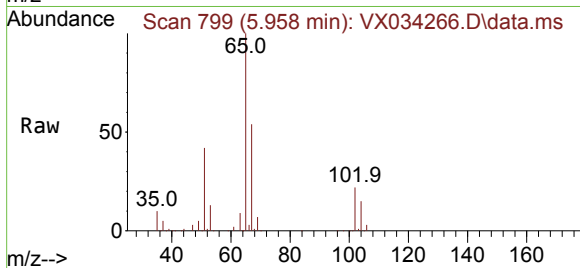
TB

Tgt Ion: 65 Resp: 165438

Ion Ratio Lower Upper

65 100

67 54.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034266.D

Acq: 24 Feb 2023 16:14

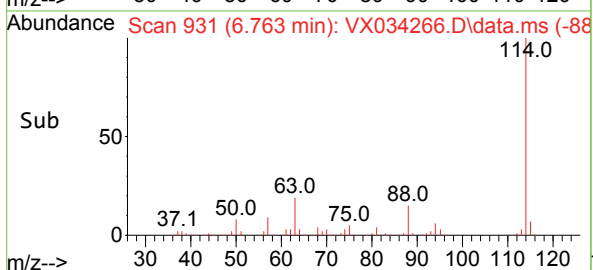
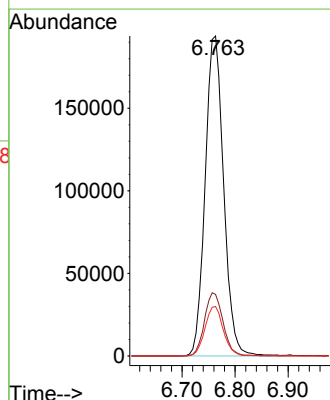
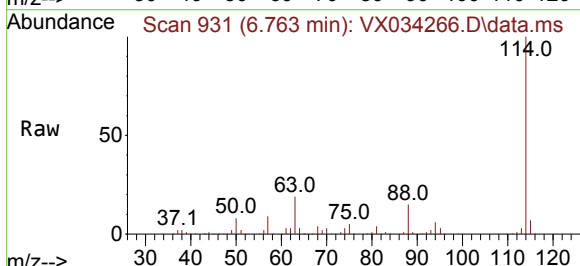
Tgt Ion: 114 Resp: 468541

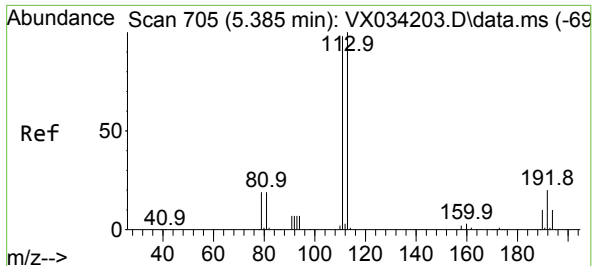
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 15.5 0.0 30.6

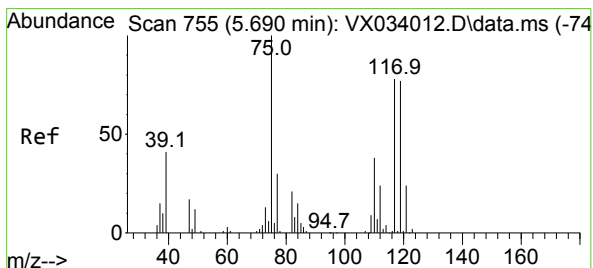
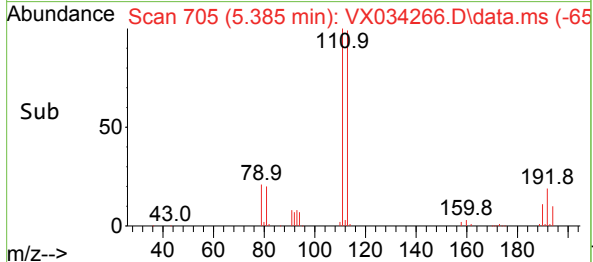
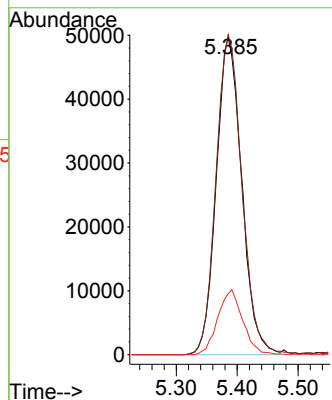
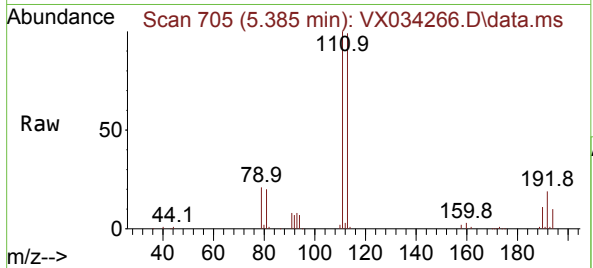




#35
Dibromofluoromethane
Concen: 47.290 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

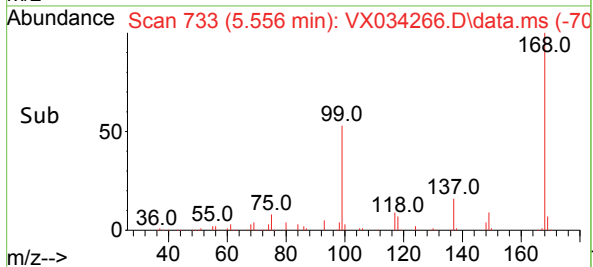
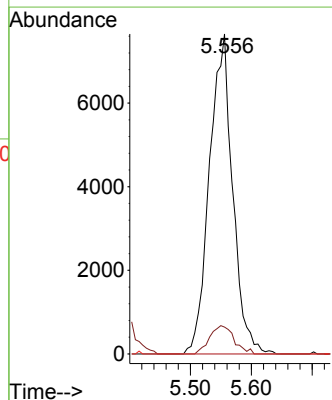
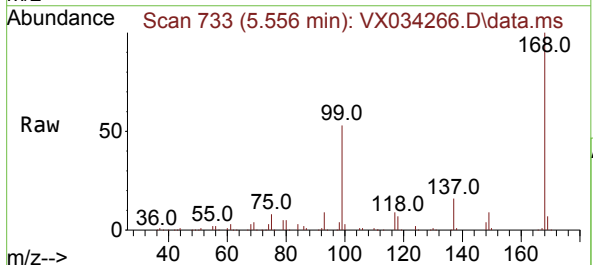
Instrument :
MSVOA_X
ClientSampleId :
TB

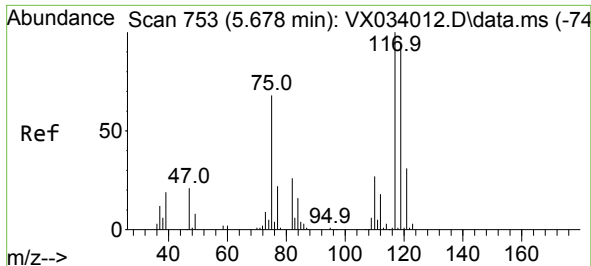
Tgt Ion:113 Resp: 144266
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.6
192 20.1 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.489 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

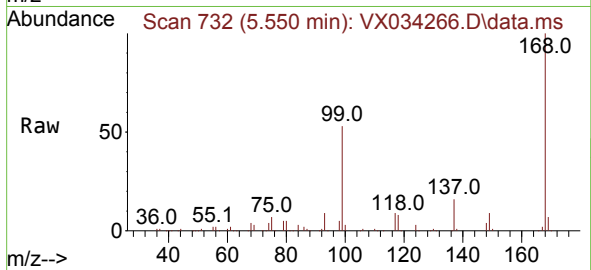
Tgt Ion: 75 Resp: 20251
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#



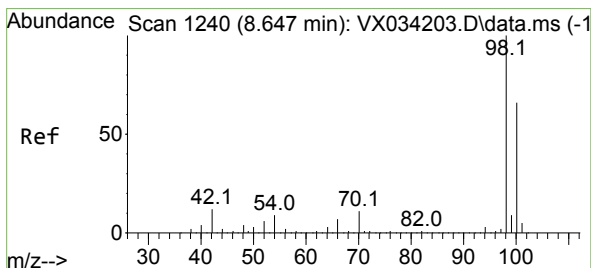
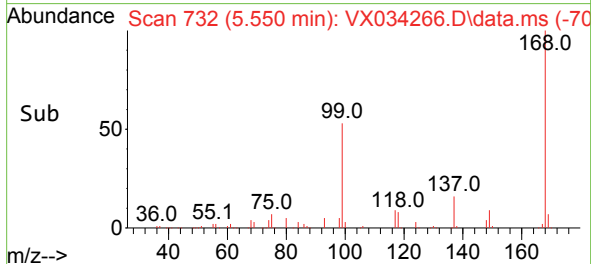
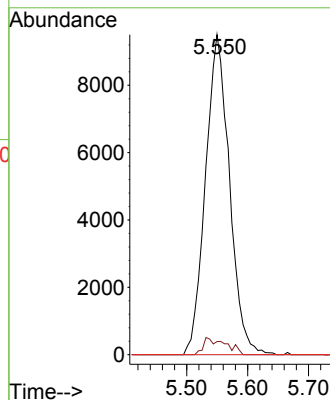


#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

Instrument :
MSVOA_X
ClientSampleId :
TB

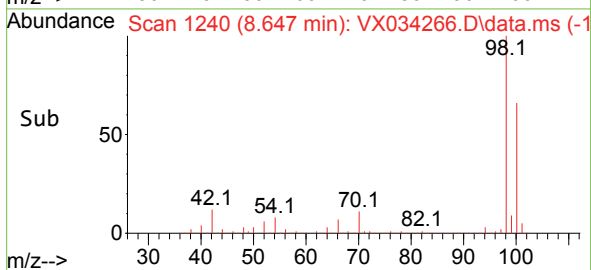
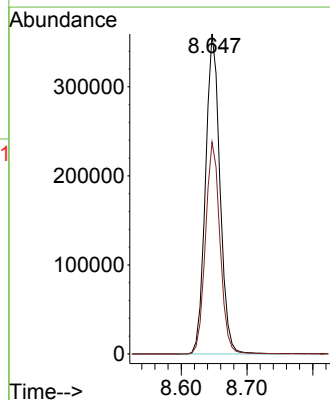
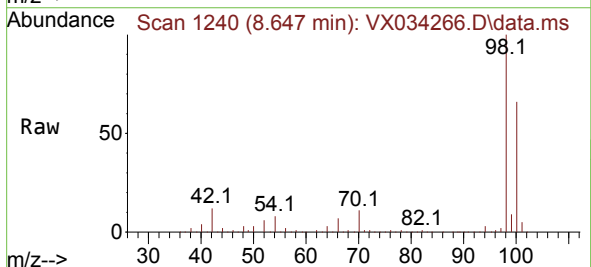


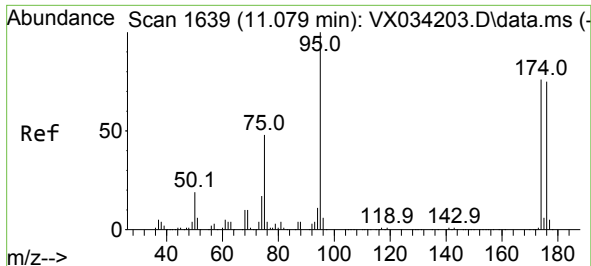
Tgt Ion:117 Resp: 25983
Ion Ratio Lower Upper
117 100
119 4.1 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.215 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

Tgt Ion: 98 Resp: 549997
Ion Ratio Lower Upper
98 100
100 66.4 53.6 80.4

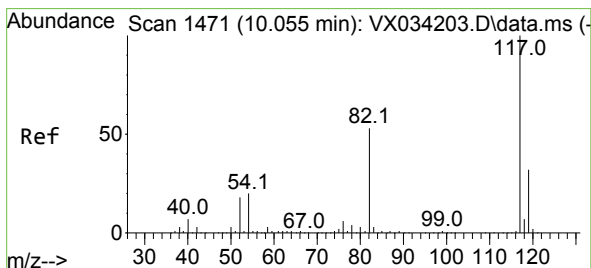
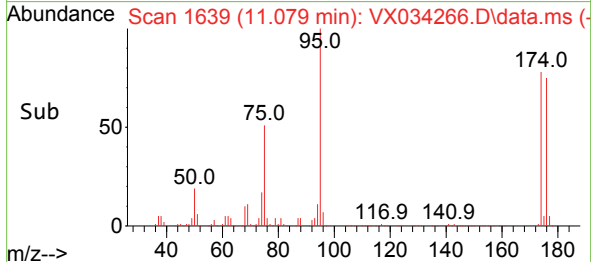
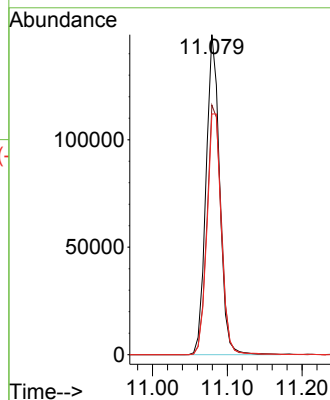
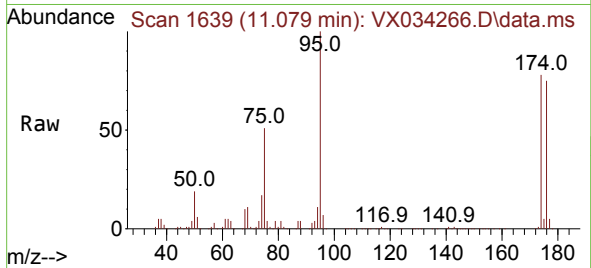




#62
4-Bromofluorobenzene
Concen: 44.901 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

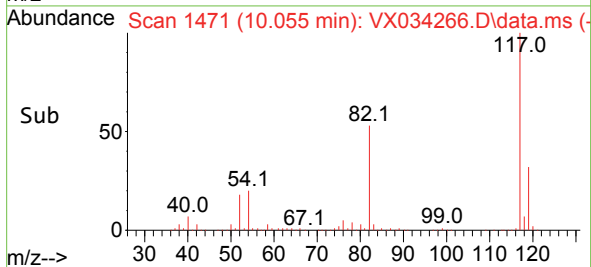
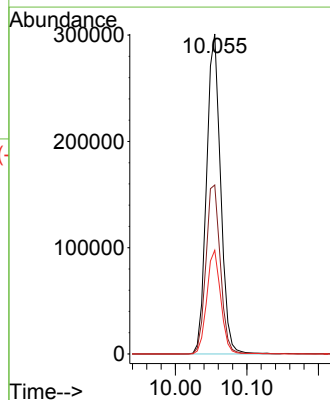
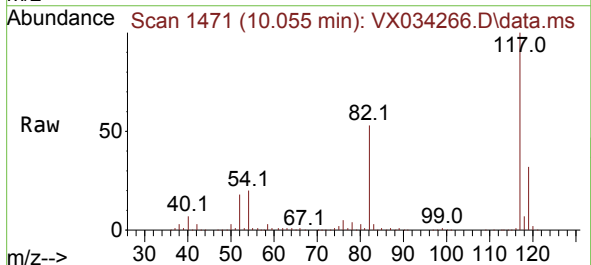
Instrument :
MSVOA_X
ClientSampleId :
TB

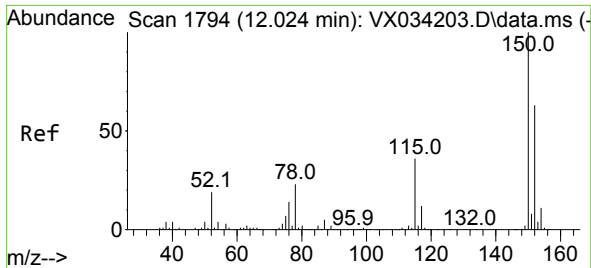
Tgt Ion: 95 Resp: 188114
Ion Ratio Lower Upper
95 100
174 81.8 0.0 184.4
176 79.8 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

Tgt Ion: 117 Resp: 411519
Ion Ratio Lower Upper
117 100
82 52.8 40.6 60.8
119 32.4 25.6 38.4

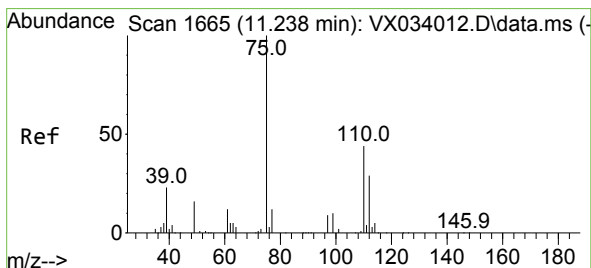
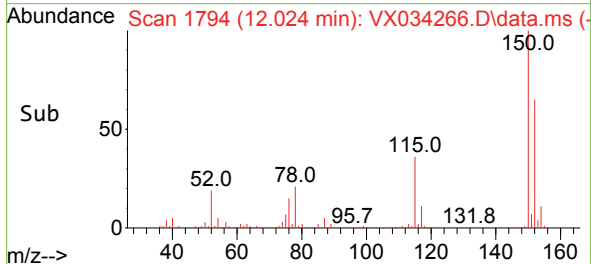
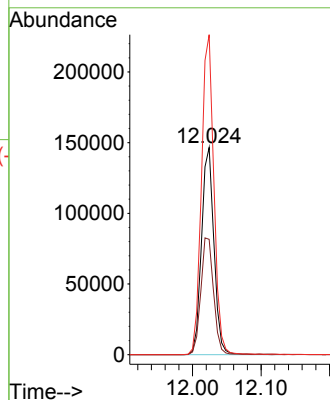
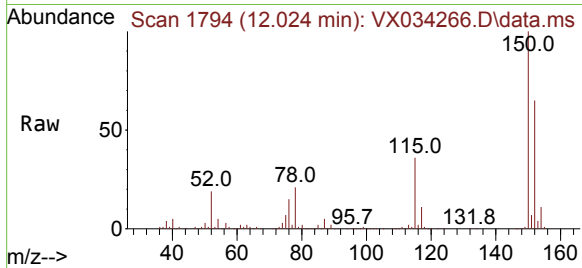




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

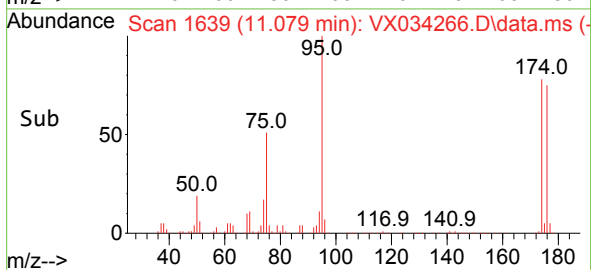
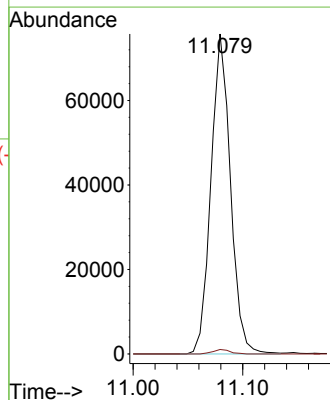
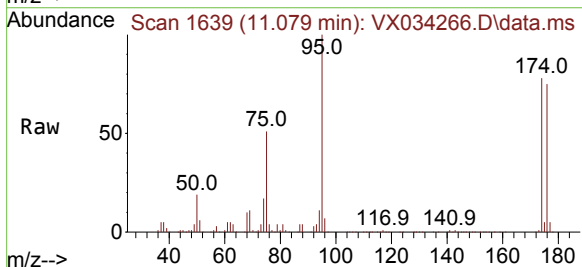
Instrument :
MSVOA_X
ClientSampleId :
TB

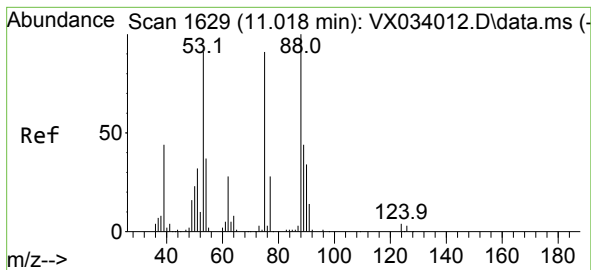
Tgt Ion:152 Resp: 185243
Ion Ratio Lower Upper
152 100
115 58.0 38.7 116.1
150 154.5 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 20.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034266.D
Acq: 24 Feb 2023 16:14

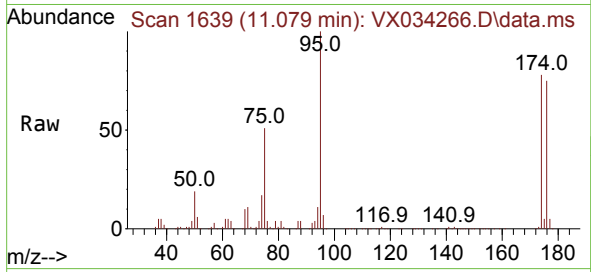
Tgt Ion: 75 Resp: 93549
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.557 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034266.D
 Acq: 24 Feb 2023 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TB



Tgt Ion: 75 Resp: 93549
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

