

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034868.D
 Acq On : 31 Mar 2023 11:09
 Operator : JC/MD
 Sample : VX0331WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0331WBL02

Quant Time: Apr 01 05:32:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

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

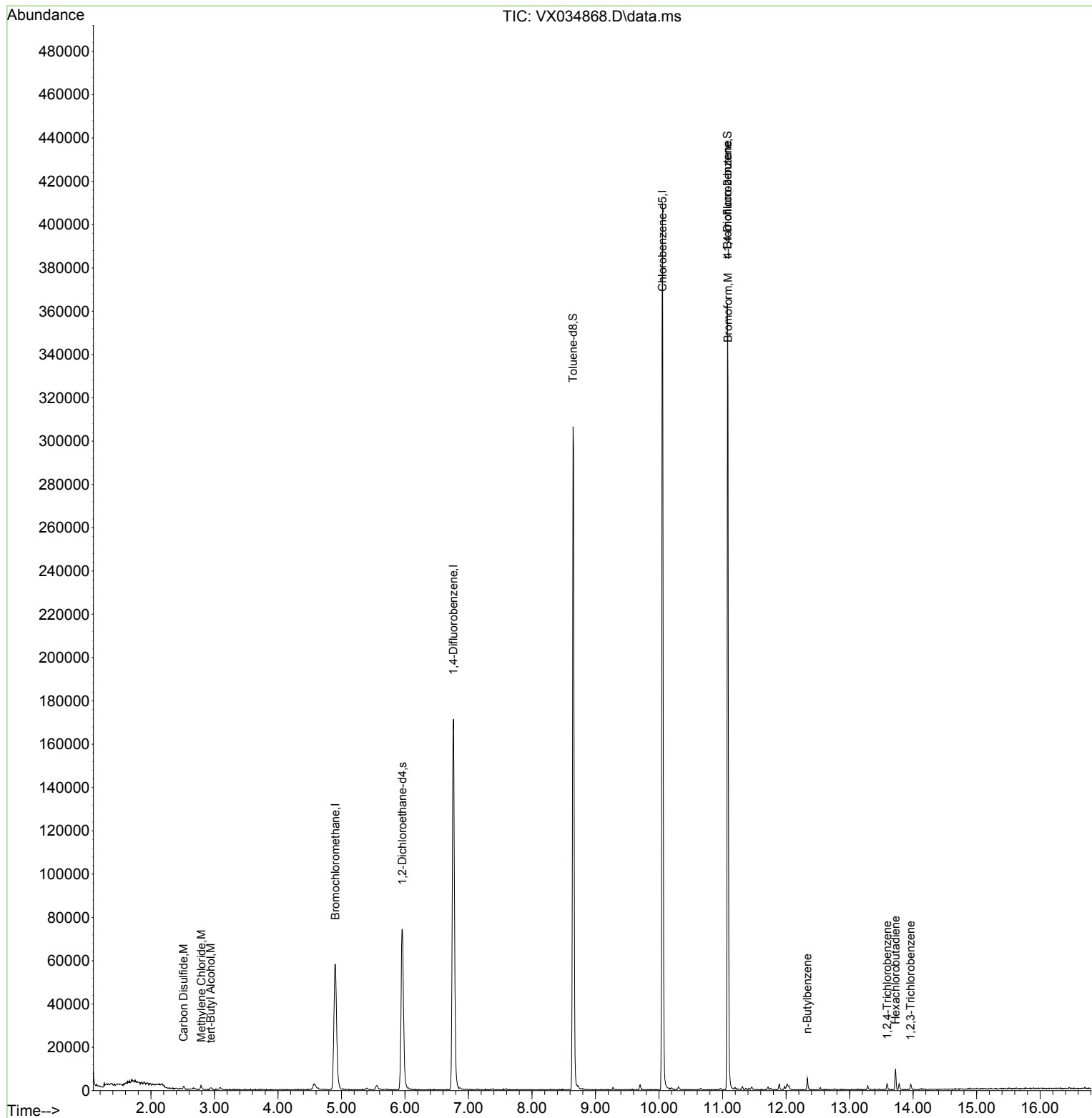
Internal Standards						
1) Bromochloromethane	4.903	128	23582	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	169902	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	175716	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	71512	31.561	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.200%
60) 4-Bromofluorobenzene	11.079	95	93795	26.714	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.033%
63) Toluene-d8	8.646	98	180911	30.296	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.000%
Target Compounds						
					Qvalue	
16) Carbon Disulfide	2.513	76	1566	0.262	ug/l	98
18) Methylene Chloride	2.794	84	803	0.291	ug/l	85
23) tert-Butyl Alcohol	2.940	59	393	0.612	ug/l #	40
56) Bromoform	11.085	173	756	0.392	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	50882	44.432	ug/l #	4
85) n-Butylbenzene	12.335	91	1941	0.220	ug/l	95
89) 1,2,4-Trichlorobenzene	13.591	180	784	0.236	ug/l #	77
90) Hexachlorobutadiene	13.725	225	1300	1.016	ug/l	82
92) 1,2,3-Trichlorobenzene	13.963	180	720	0.217	ug/l	78

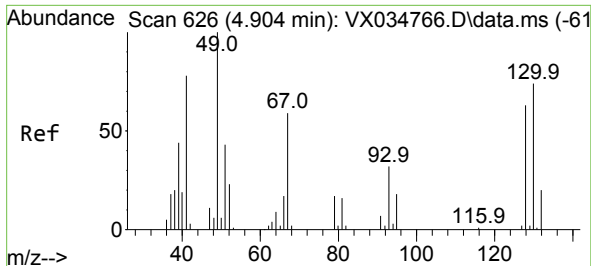
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 05:32:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Mar 28 09:11:00 2023
Response via : Initial Calibration

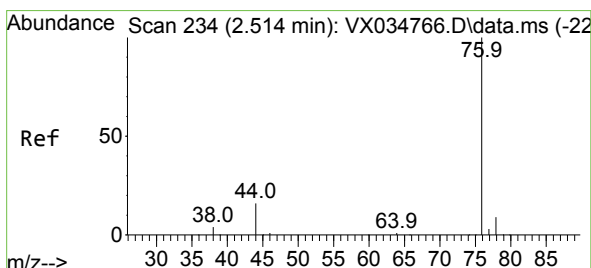
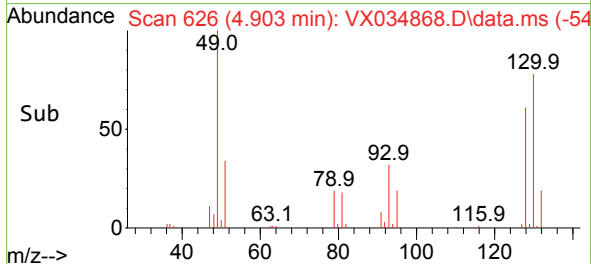
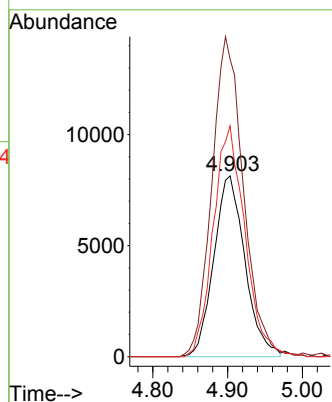
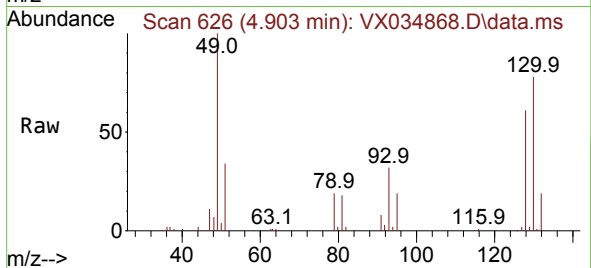




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

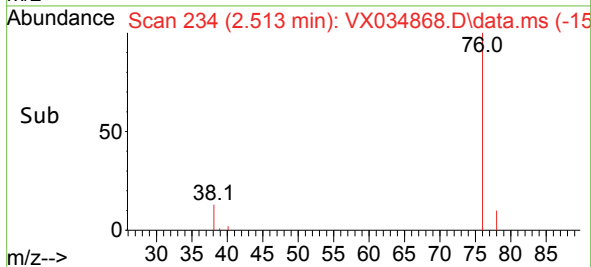
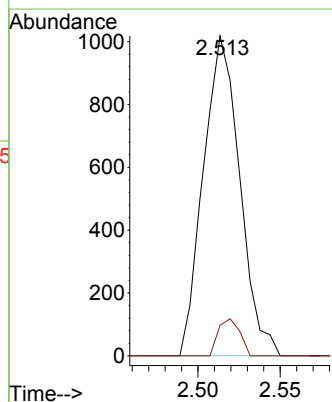
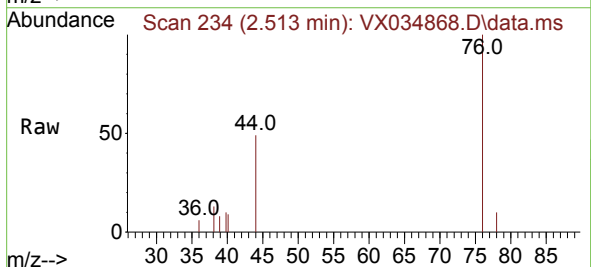
Instrument :
MSVOA_X
ClientSampleId :
VX0331WBL02

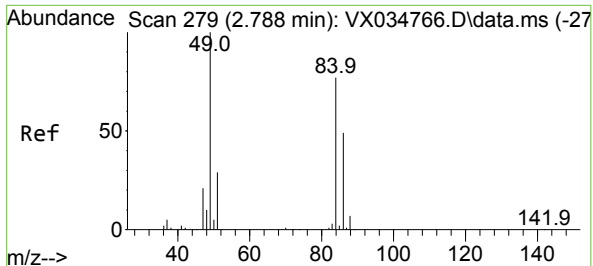
Tgt Ion:128 Resp: 23582
Ion Ratio Lower Upper
128 100
49 179.4 0.0 428.8
130 129.8 0.0 310.8



#16
Carbon Disulfide
Concen: 0.262 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

Tgt Ion: 76 Resp: 1566
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

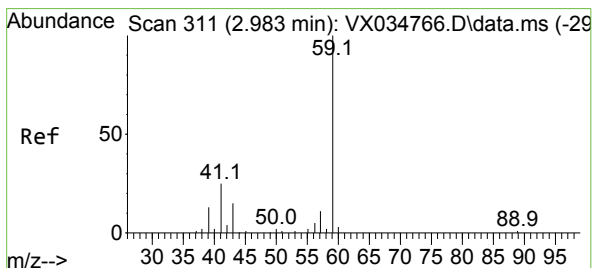
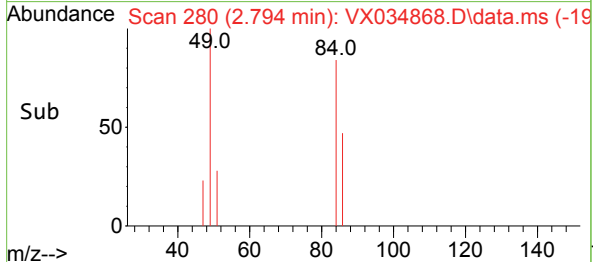
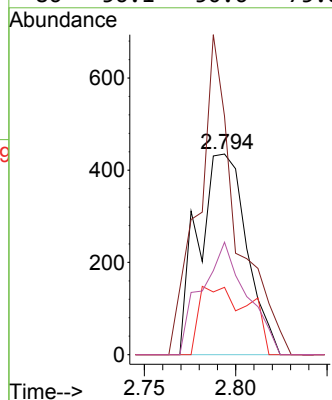
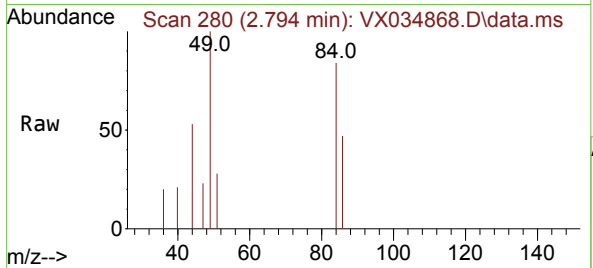




#18
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.794 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

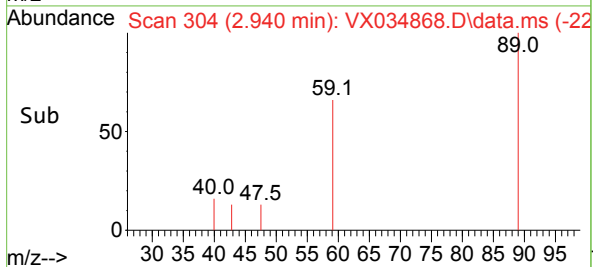
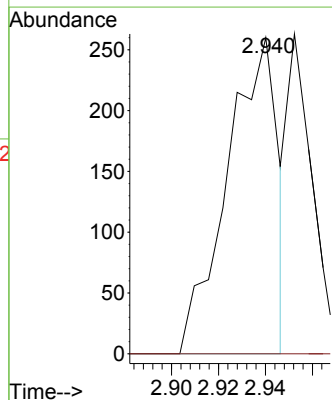
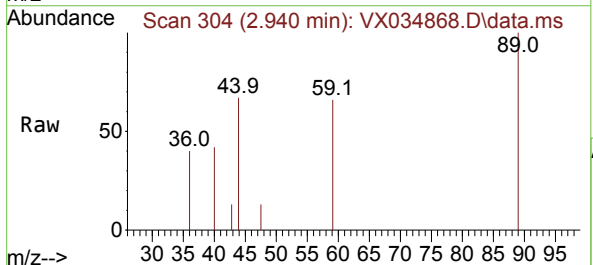
Instrument :
MSVOA_X
ClientSampleId :
VX0331WBL02

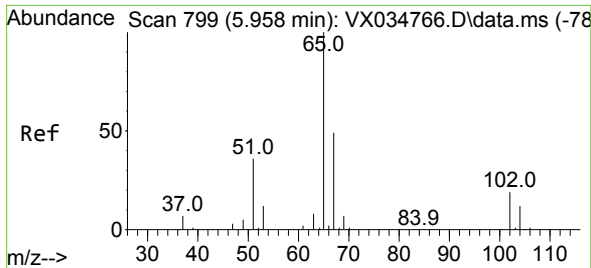
Tgt Ion: 84	Resp:	803	
Ion	Ratio	Lower	Upper
84	100		
49	106.9	103.9	155.9
51	33.6	30.6	45.8
86	56.1	50.6	75.8



#23
tert-Butyl Alcohol
Concen: 0.612 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

Tgt Ion: 59	Resp:	393	
Ion Ratio	Lower	Upper	
59 100			
52 55.7	0.2	0.4#	





#27

1,2-Dichloroethane-d4

Concen: 31.561 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX034868.D

Acq: 31 Mar 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

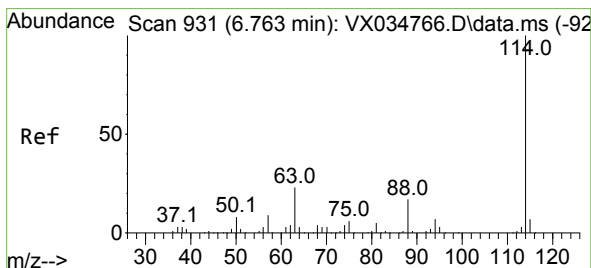
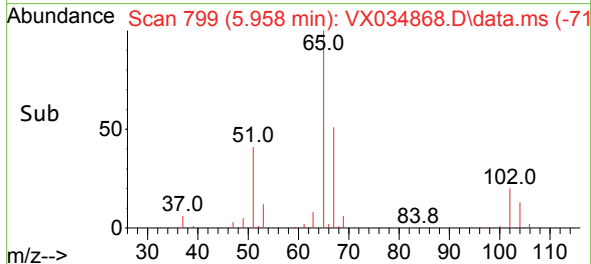
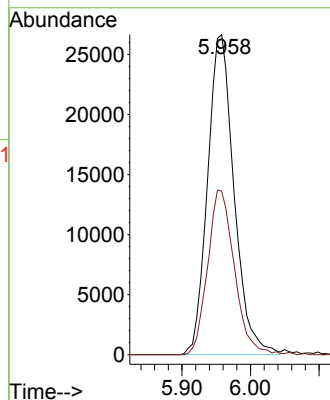
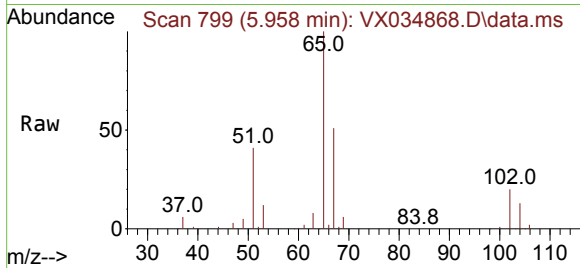
VX0331WBL02

Tgt Ion: 65 Resp: 71512

Ion Ratio Lower Upper

65 100

67 51.9 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX034868.D

Acq: 31 Mar 2023 11:09

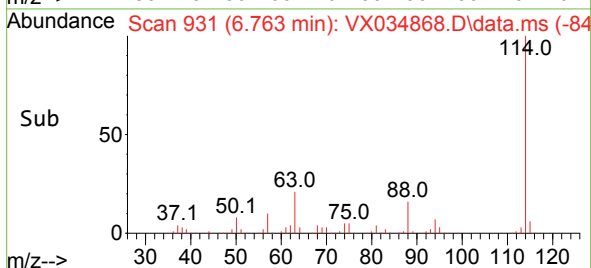
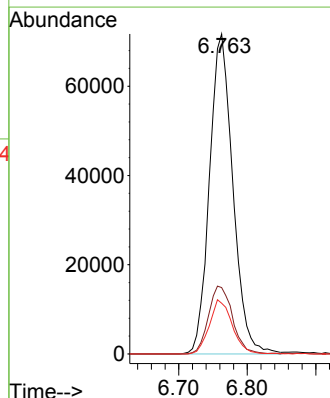
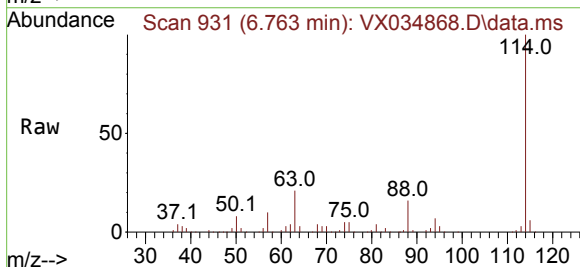
Tgt Ion: 114 Resp: 169902

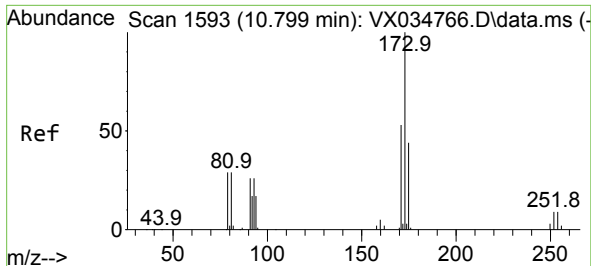
Ion Ratio Lower Upper

114 100

63 21.8 18.0 27.0

88 16.5 13.3 19.9

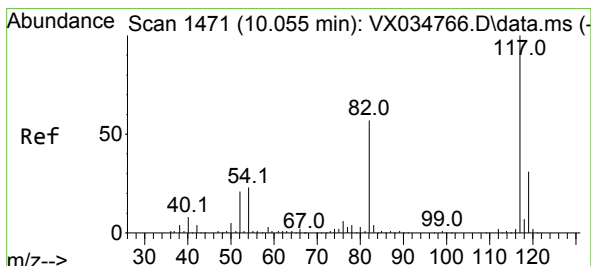
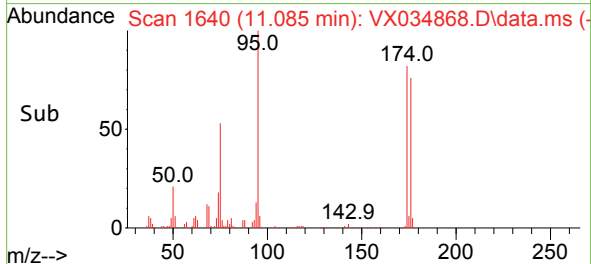
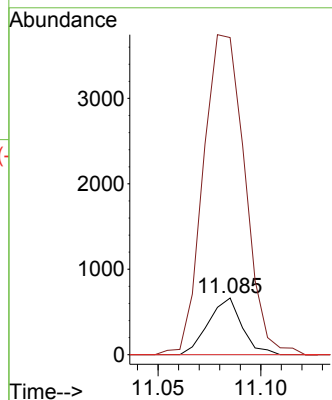
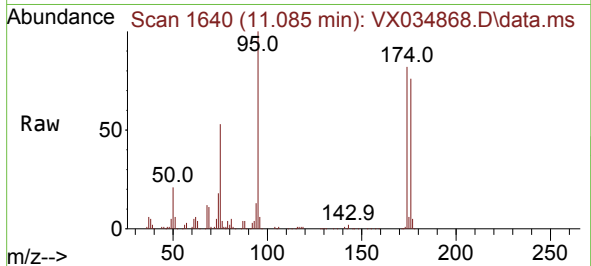




#56
Bromoform
Concen: 0.392 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.286 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

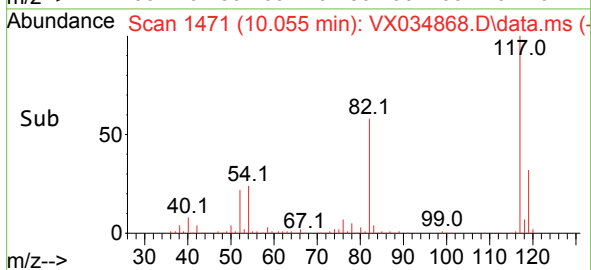
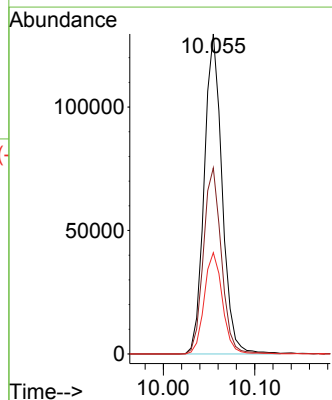
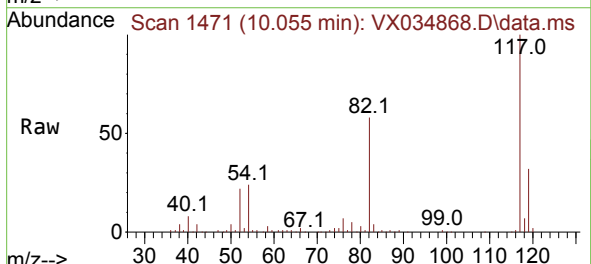
Instrument :
MSVOA_X
ClientSampleId :
VX0331WBL02

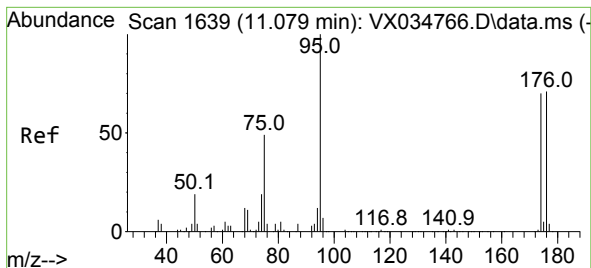
Tgt Ion:173 Resp: 756
Ion Ratio Lower Upper
173 100
175 695.5 37.0 55.4#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

Tgt Ion:117 Resp: 175716
Ion Ratio Lower Upper
117 100
82 58.6 45.8 68.8
119 32.1 25.4 38.0

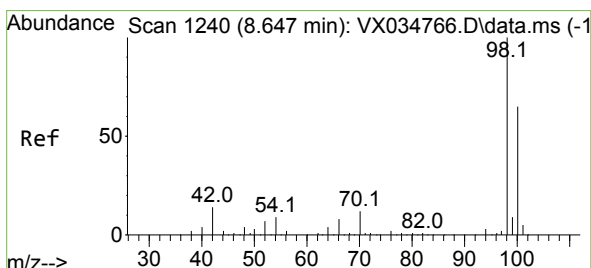
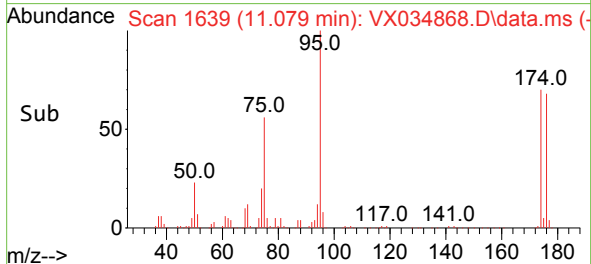
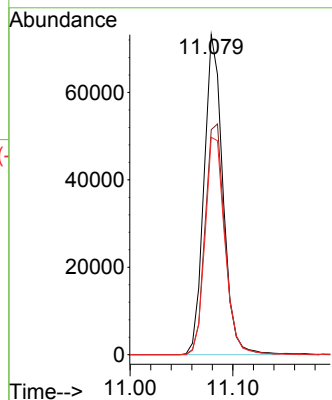
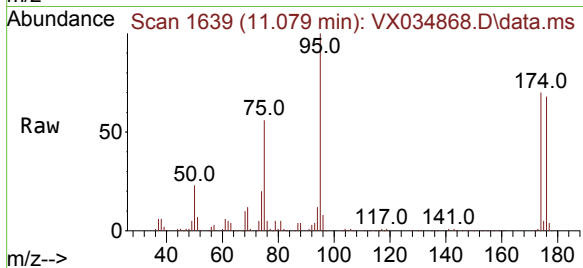




#60
4-Bromofluorobenzene
Concen: 26.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

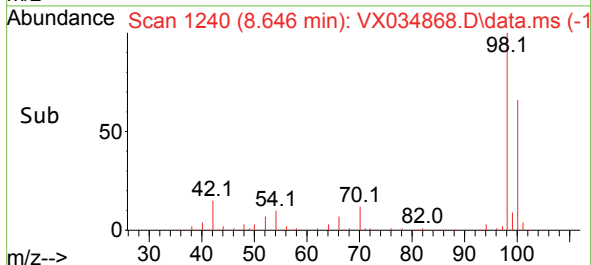
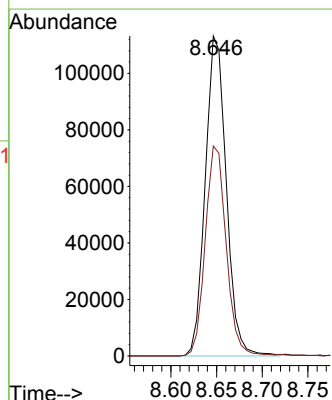
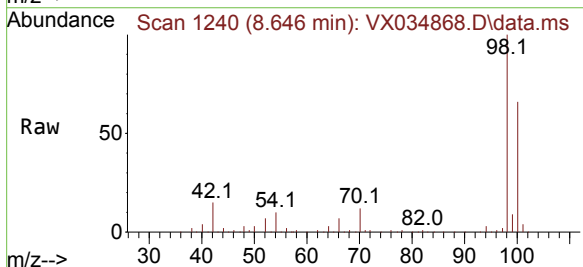
Instrument :
MSVOA_X
ClientSampleId :
VX0331WBL02

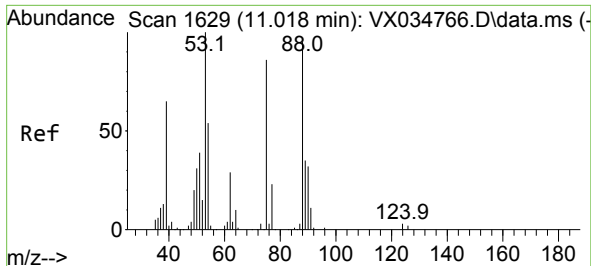
Tgt Ion: 95 Resp: 93795
Ion Ratio Lower Upper
95 100
174 75.8 0.2 0.4#
176 71.6 0.2 0.2#



#63
Toluene-d8
Concen: 30.296 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.001 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

Tgt Ion: 98 Resp: 180911
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

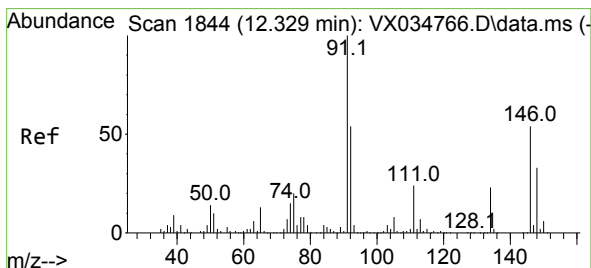
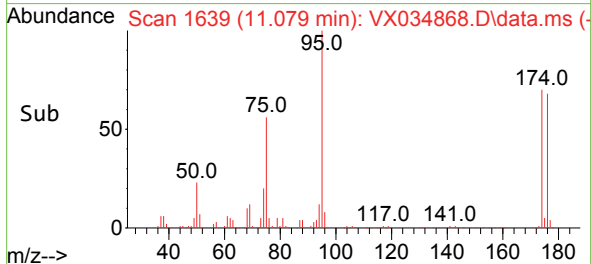
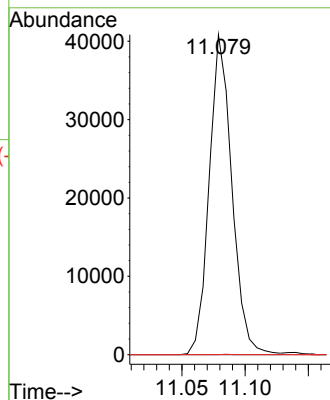
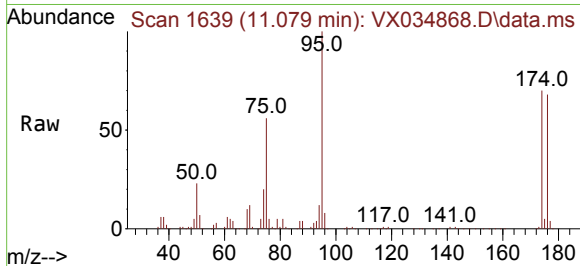




#77
t-1,4-Dichloro-2-butene
Concen: 44.432 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

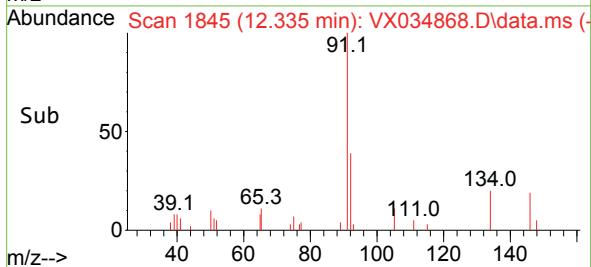
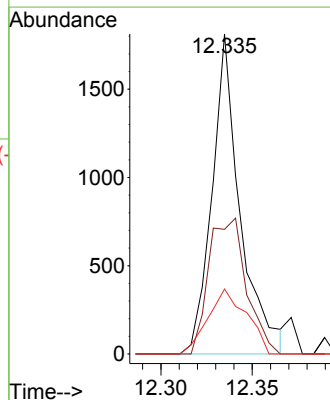
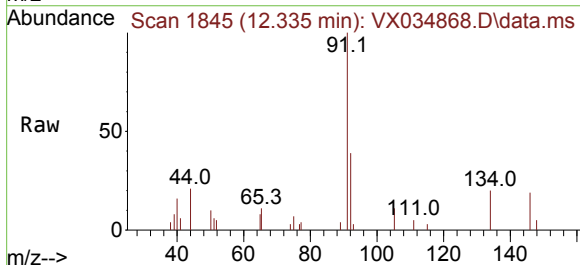
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VX0331WBL02

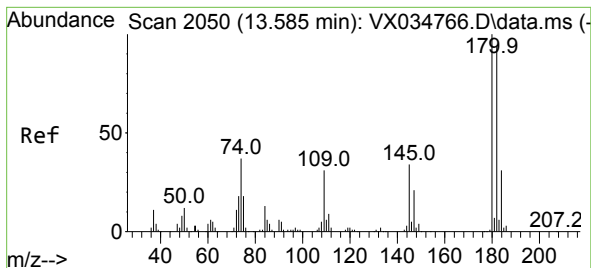
Tgt Ion: 75 Resp: 50882
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#



#85
n-Butylbenzene
Concen: 0.220 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX034868.D
Acq: 31 Mar 2023 11:09

Tgt Ion: 91 Resp: 1941
Ion Ratio Lower Upper
91 100
92 56.8 0.0 107.6
134 27.8 0.0 49.8





#89

1,2,4-Trichlorobenzene

Concen: 0.236 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX034868.D

Acq: 31 Mar 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0331WBL02

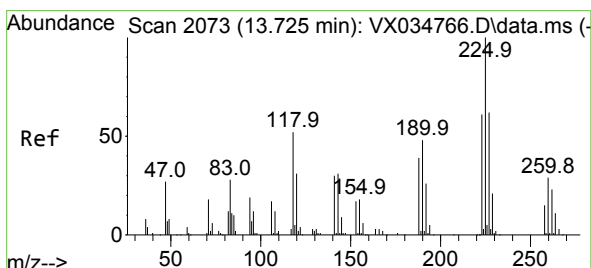
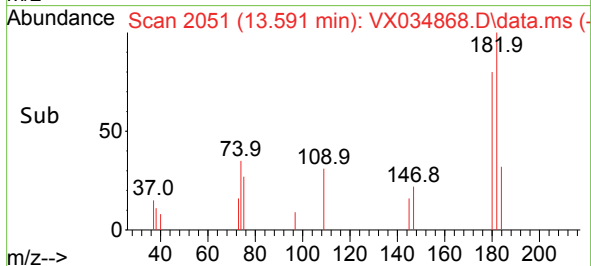
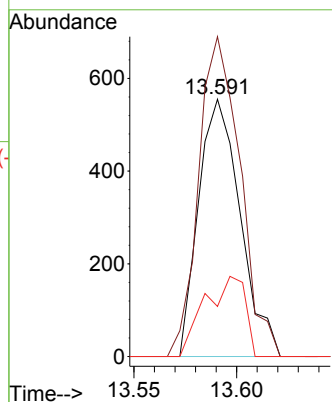
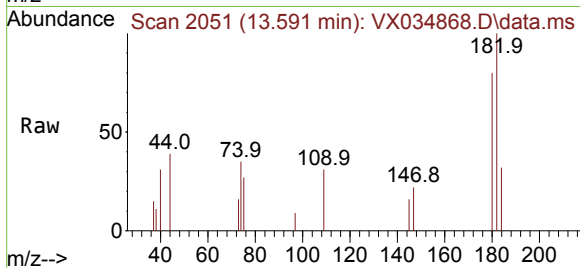
Tgt Ion:180 Resp: 784

Ion Ratio Lower Upper

180 100

182 123.6 75.8 113.8#

145 30.1 25.8 38.6



#90

Hexachlorobutadiene

Concen: 1.016 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX034868.D

Acq: 31 Mar 2023 11:09

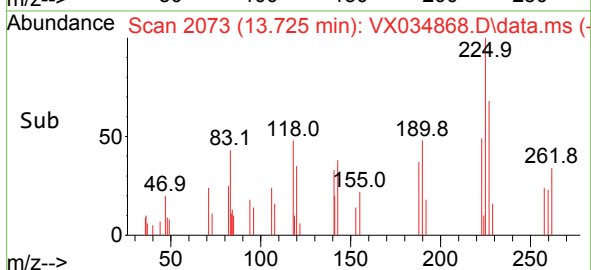
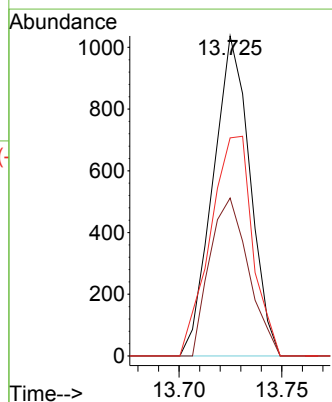
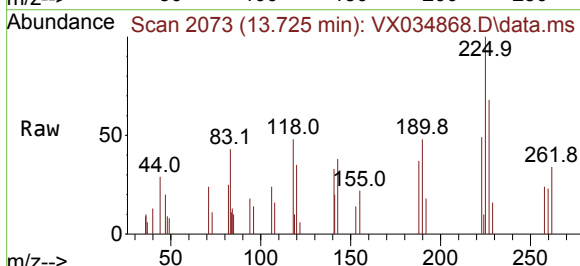
Tgt Ion:225 Resp: 1300

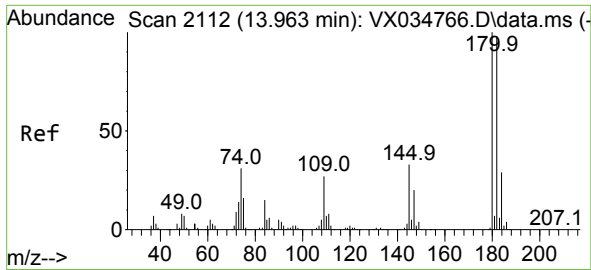
Ion Ratio Lower Upper

225 100

223 51.8 0.0 124.2

227 78.5 0.0 122.8





#92

1,2,3-Trichlorobenzene

Concen: 0.217 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034868.D

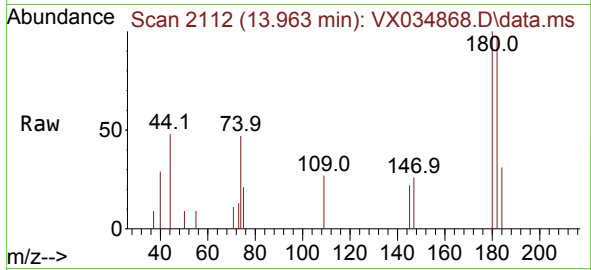
Acq: 31 Mar 2023 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0331WBL02



Tgt Ion:180 Resp: 720

Ion Ratio Lower Upper

180 100

182 122.8 0.0 191.0

145 35.8 0.0 66.8

