

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033375.D
 Acq On : 12 Dec 2022 15:28
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 13 07:31:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

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

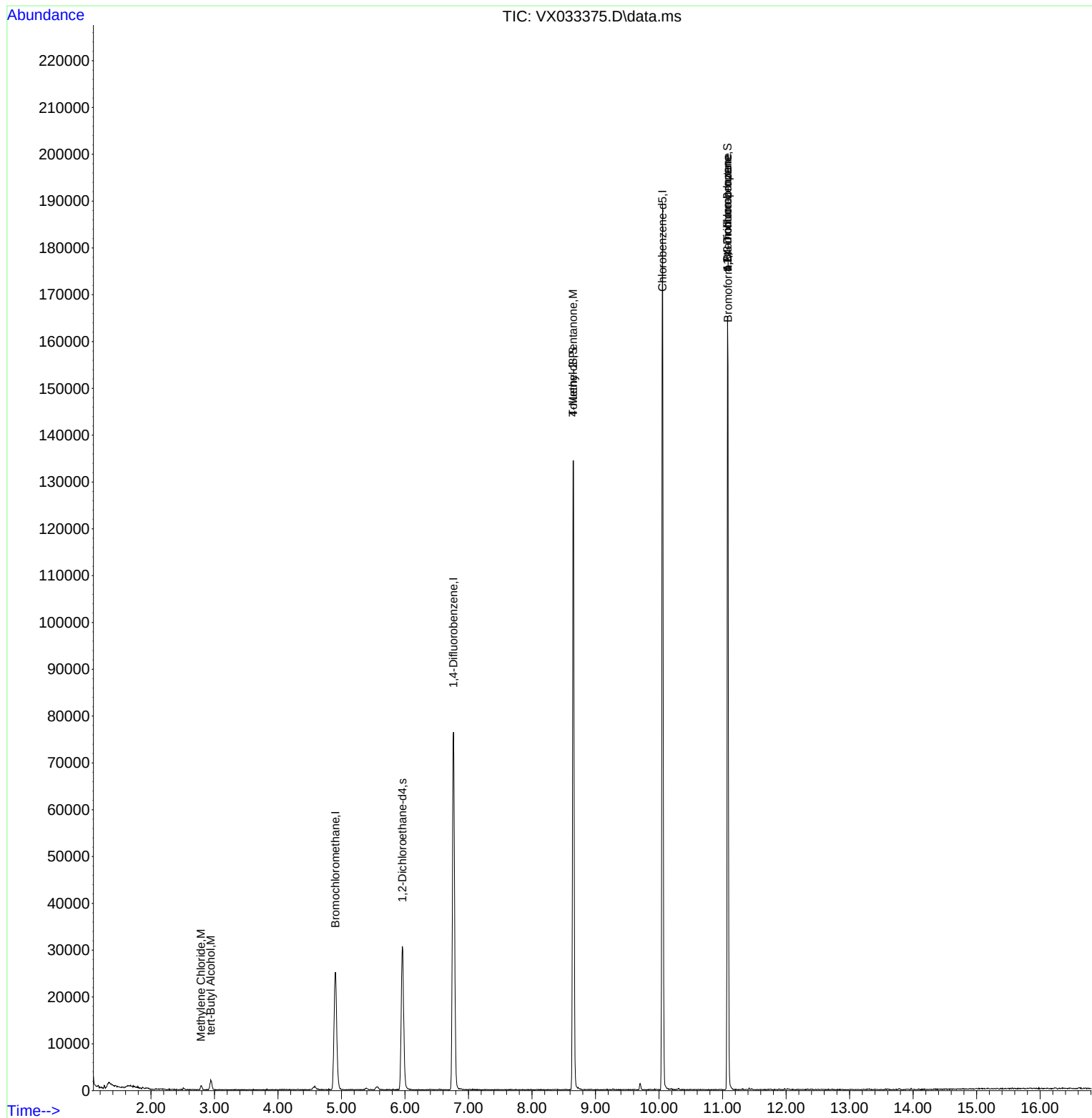
Internal Standards						
1) Bromochloromethane	4.904	128	11573	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	81653	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	85207	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	32209	31.689	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.633%
60) 4-Bromofluorobenzene	11.079	95	43080	27.298	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.000%
63) Toluene-d8	8.647	98	83735	29.542	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.467%
Target Compounds						
					Qvalue	
18) Methylene Chloride	2.788	84	541	0.467	ug/l #	75
23) tert-Butyl Alcohol	2.940	59	1342	6.152	ug/l #	1
56) Bromoform	11.085	173	362	0.334	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	348	0.253	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	23127	14.909	ug/l #	38
77) t-1,4-Dichloro-2-butene	11.079	75	23127	44.840	ug/l #	9

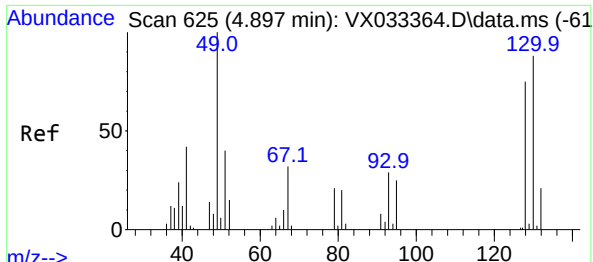
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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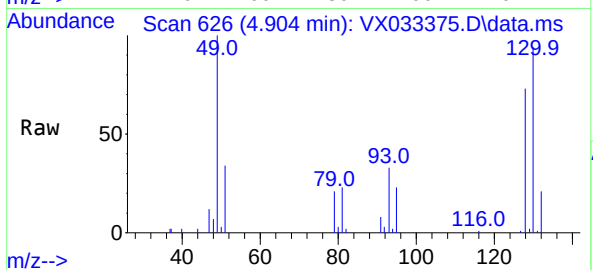
Quant Time: Dec 13 07:31:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 12 12:37:35 2022
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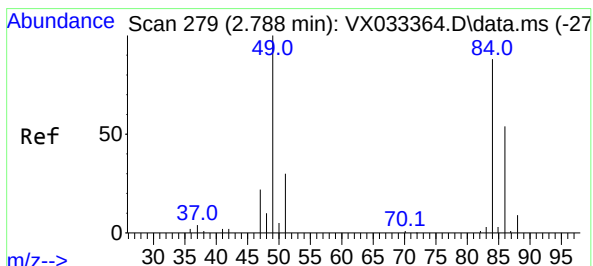
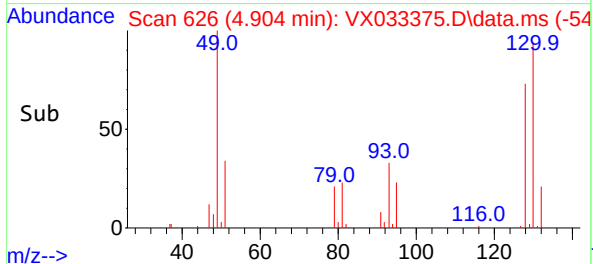
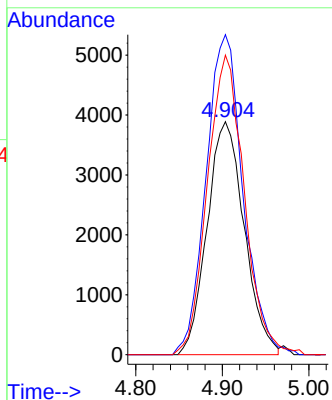


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

Instrument :
MSVOA_X
ClientSampleId :
IBLK

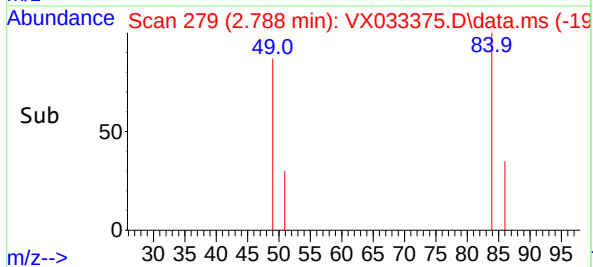
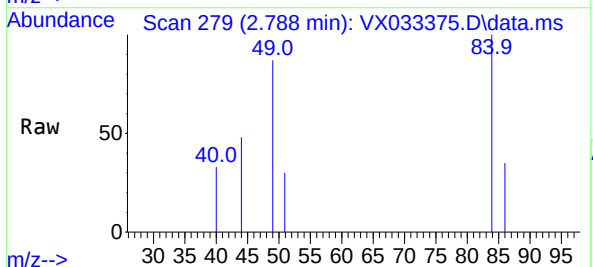
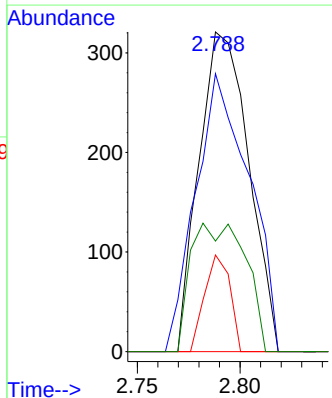


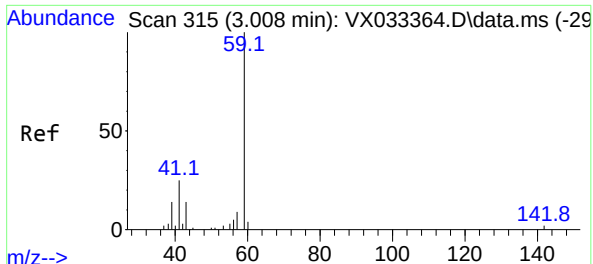
Tgt Ion:128 Resp: 11573
Ion Ratio Lower Upper
128 100
49 137.3 0.0 339.5
130 127.7 0.0 318.0



#18
Methylene Chloride
Concen: 0.467 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

Tgt Ion: 84 Resp: 541
Ion Ratio Lower Upper
84 100
49 86.9 91.2 136.8#
51 30.2 27.3 40.9
86 34.6 49.0 73.4#





#23

tert-Butyl Alcohol

Concen: 6.152 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX033375.D

Acq: 12 Dec 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

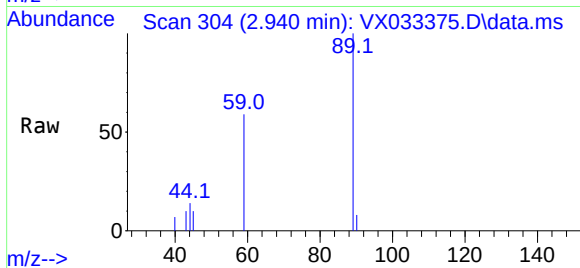
IBLK

Tgt Ion: 59 Resp: 1342

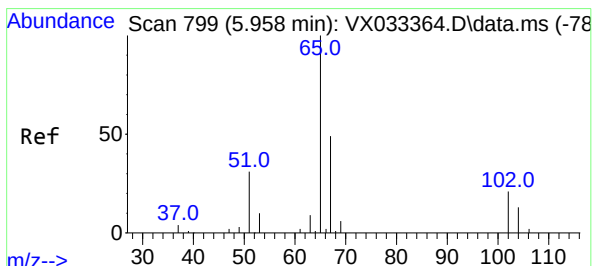
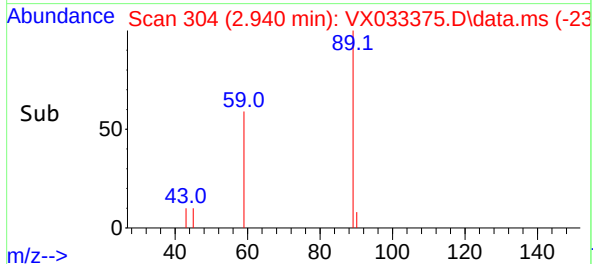
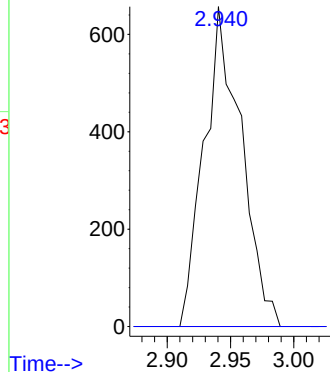
Ion Ratio Lower Upper

59 100

52 0.0 149.0 223.6#



Abundance



#27

1,2-Dichloroethane-d4

Concen: 31.689 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033375.D

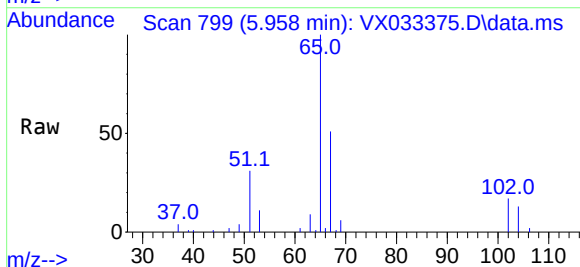
Acq: 12 Dec 2022 15:28

Tgt Ion: 65 Resp: 32209

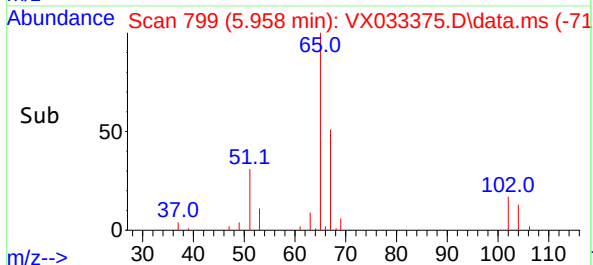
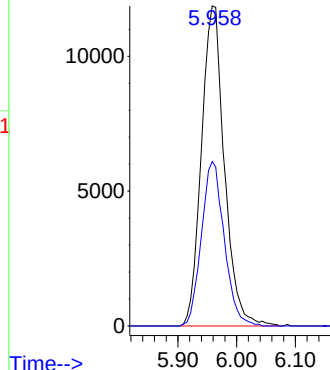
Ion Ratio Lower Upper

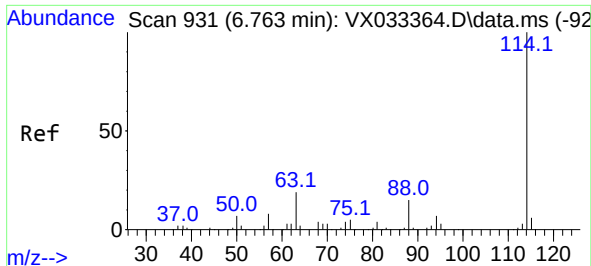
65 100

67 51.0 39.8 59.8



Abundance





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033375.D

Acq: 12 Dec 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

IBLK

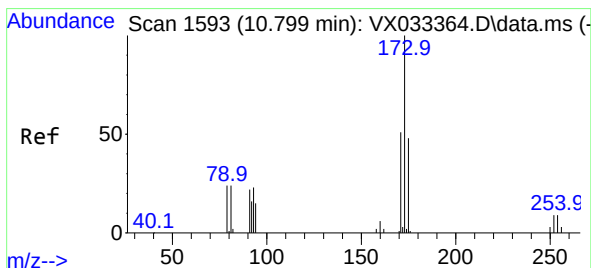
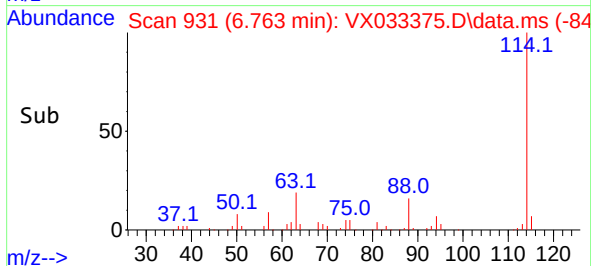
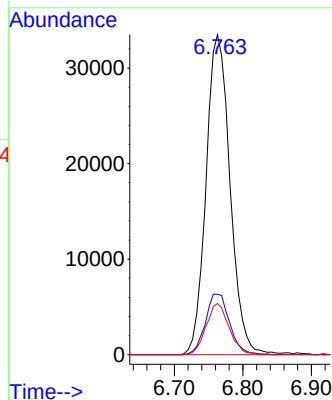
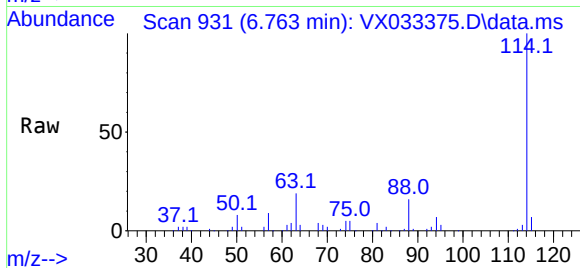
Tgt Ion:114 Resp: 81653

Ion Ratio Lower Upper

114 100

63 19.0 15.2 22.8

88 15.3 12.2 18.4



#56

Bromoform

Concen: 0.334 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX033375.D

Acq: 12 Dec 2022 15:28

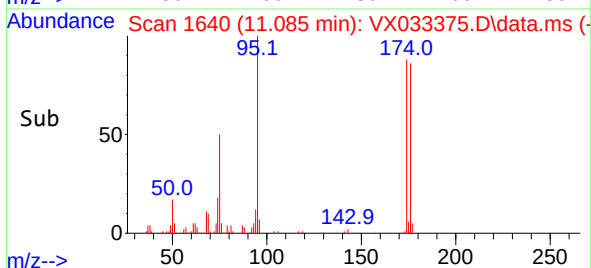
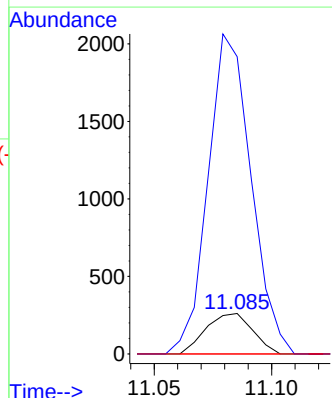
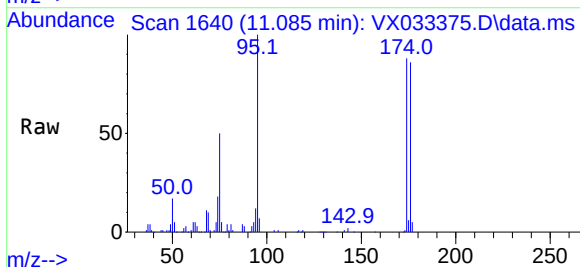
Tgt Ion:173 Resp: 362

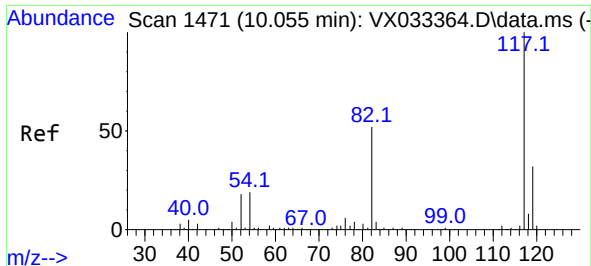
Ion Ratio Lower Upper

173 100

175 727.6 39.6 59.4#

254 0.0 7.1 10.7#

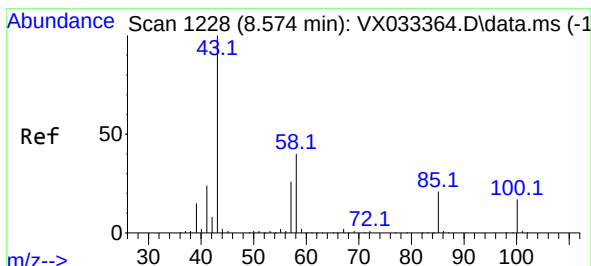
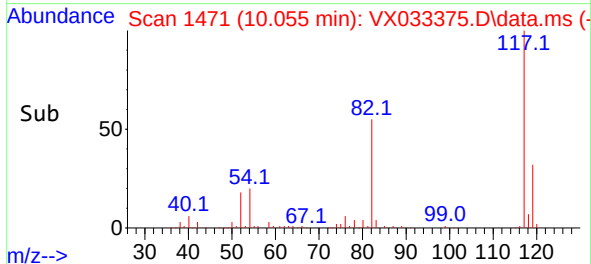
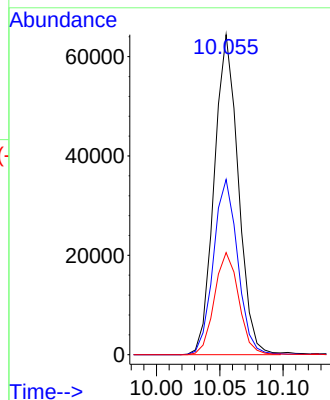
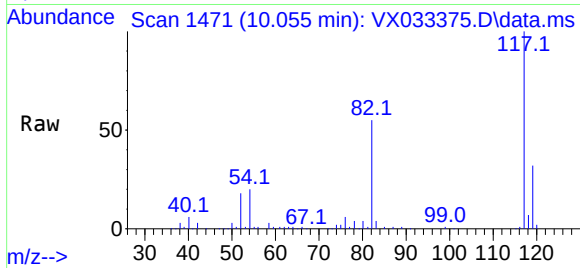




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

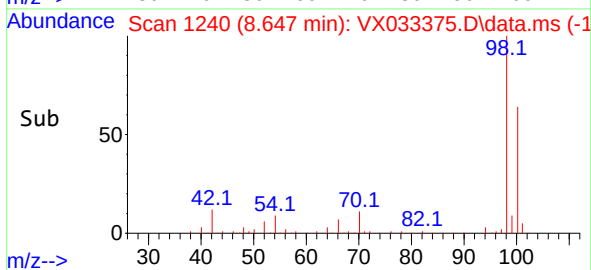
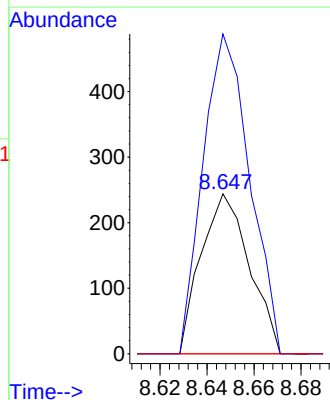
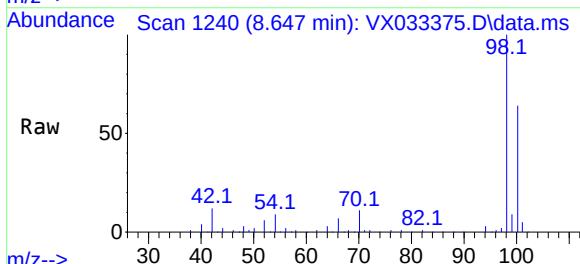
Instrument :
MSVOA_X
ClientSampleId :
IBLK

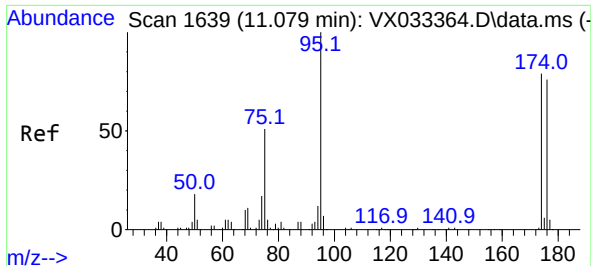
Tgt Ion:	117	Resp:	85207
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.7	65.5
119	32.3	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 0.253 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

Tgt Ion:	43	Resp:	348
Ion	Ratio	Lower	Upper
43	100		
58	193.4	32.3	48.5#
85	0.0	16.6	24.8#

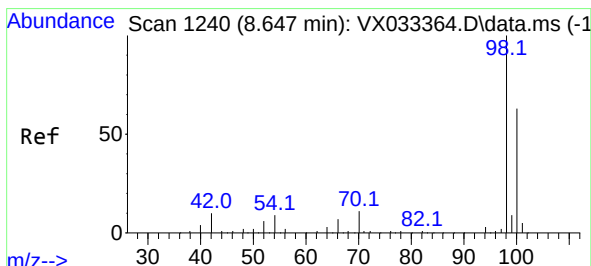
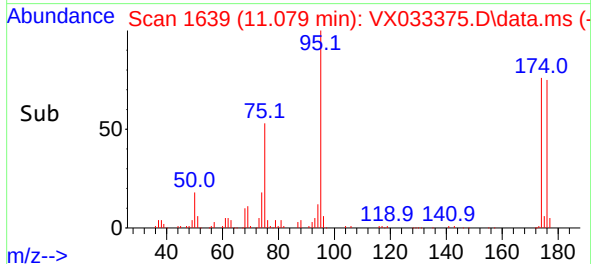
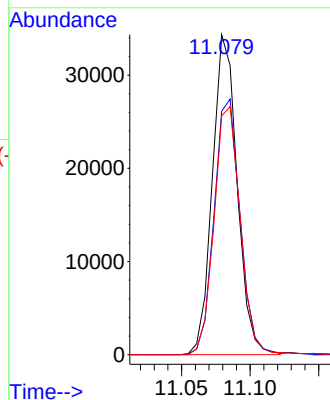
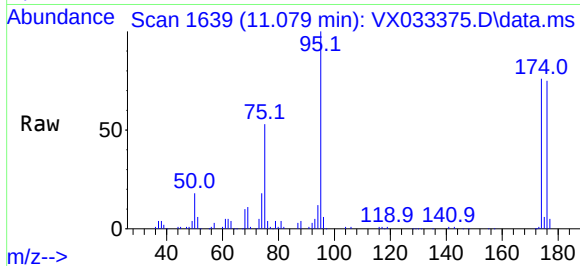




#60
4-Bromofluorobenzene
Concen: 27.298 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

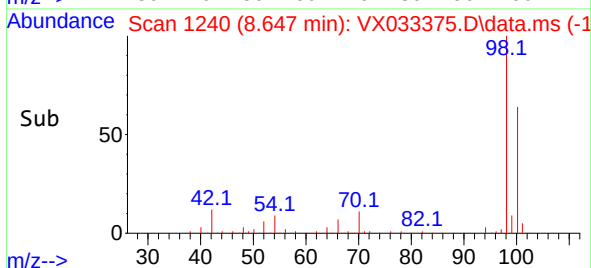
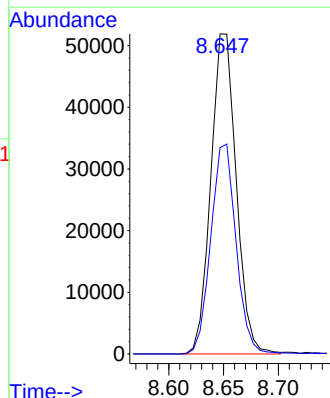
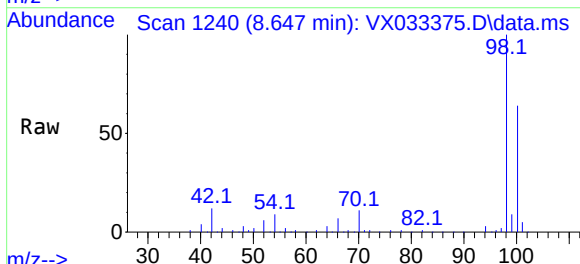
Instrument :
MSVOA_X
ClientSampleId :
IBLK

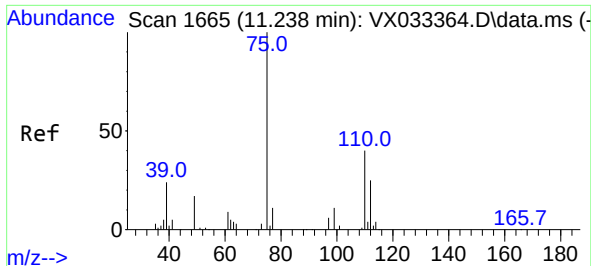
Tgt Ion: 95 Resp: 43080
Ion Ratio Lower Upper
95 100
174 84.1 65.9 98.9
176 82.3 63.3 94.9



#63
Toluene-d8
Concen: 29.542 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

Tgt Ion: 98 Resp: 83735
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2

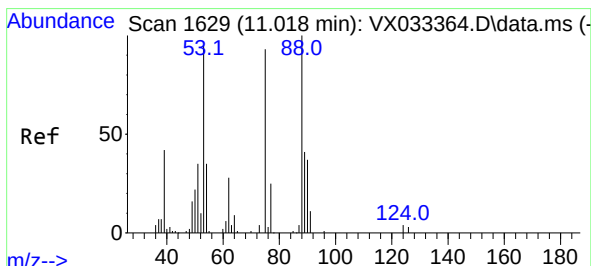
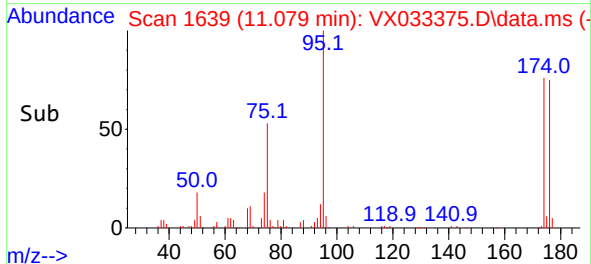
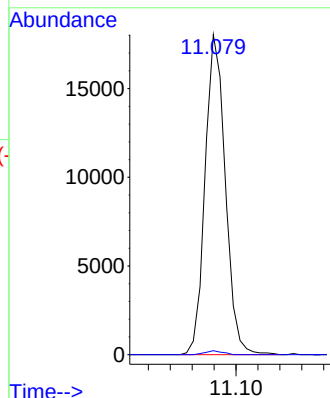
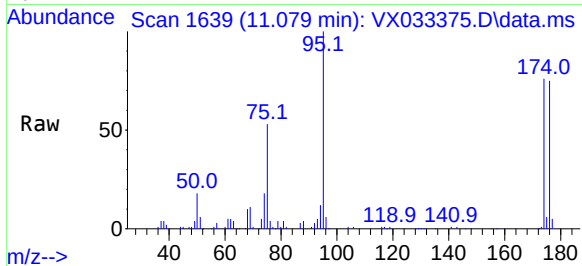




#72
1,2,3-Trichloropropane
Concen: 14.909 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 23127
Ion Ratio Lower Upper
75 100
77 0.0 0.0 74.4



#77
t-1,4-Dichloro-2-butene
Concen: 44.840 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033375.D
Acq: 12 Dec 2022 15:28

Tgt Ion: 75 Resp: 23127
Ion Ratio Lower Upper
75 100
53 0.0 51.4 154.3#
89 0.0 22.2 66.6#

