

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041789.D
 Acq On : 07 Jun 2024 14:37
 Operator : JC/MD
 Sample : P2777-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240605074-04

Quant Time: Jun 08 04:06:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

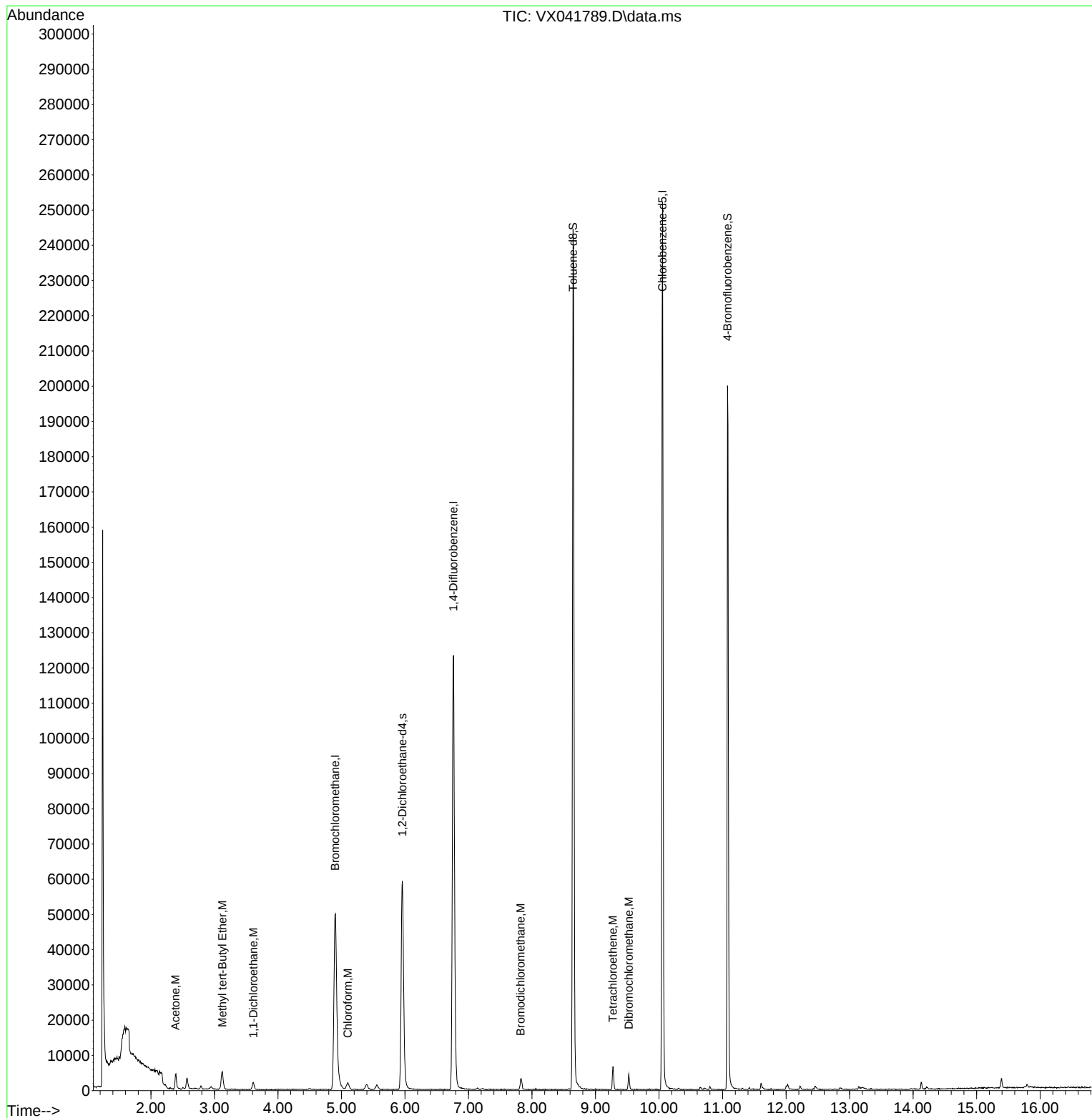
Internal Standards						
1) Bromochloromethane	4.897	128	23280	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	132229	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	118817	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59510	32.461	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.200%
60) 4-Bromofluorobenzene	11.079	95	50897	27.440	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.467%
63) Toluene-d8	8.647	98	148519	29.160	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.200%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	1257	5.949	ug/l	89
21) 1,1-Dichloroethane	3.611	63	2453	0.984	ug/l	97
24) Methyl tert-Butyl Ether	3.123	73	5444	1.224	ug/l #	81
25) Chloroform	5.099	83	2502	0.942	ug/l	89
41) Bromodichloromethane	7.818	83	2501	1.296	ug/l #	88
53) Dibromochloromethane	9.525	129	2130	1.309	ug/l	92
61) Tetrachloroethene	9.275	164	1420	0.977	ug/l	92

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

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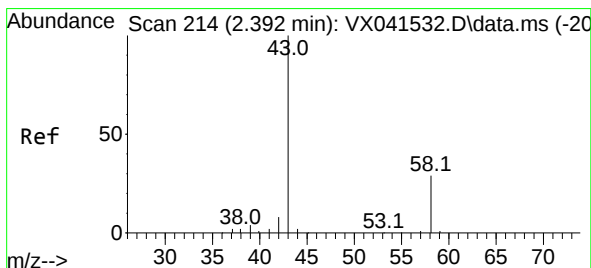
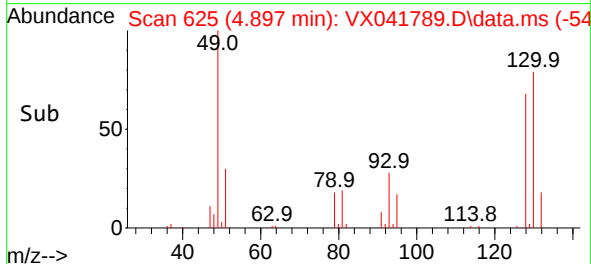
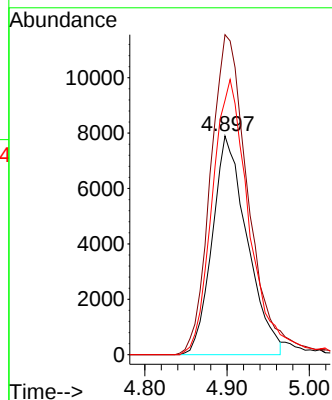
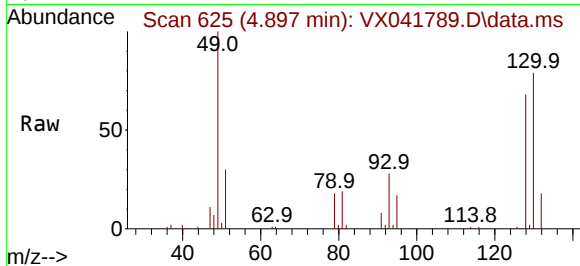




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

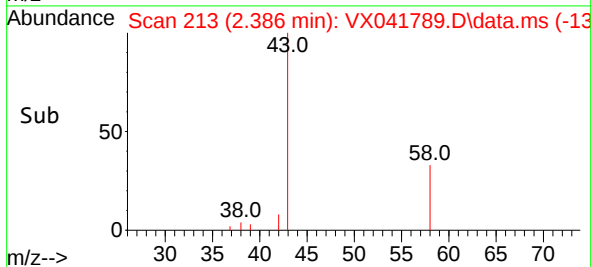
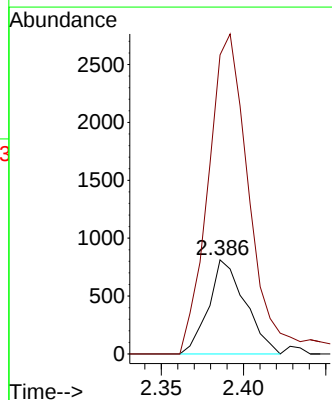
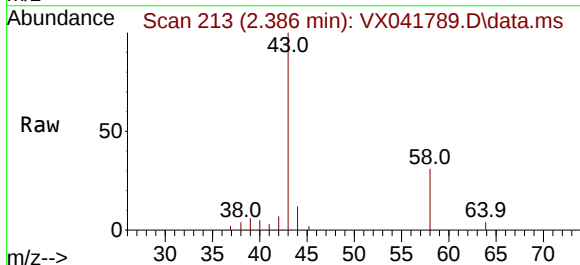
Instrument :
MSVOA_X
ClientSampleId :
240605074-04

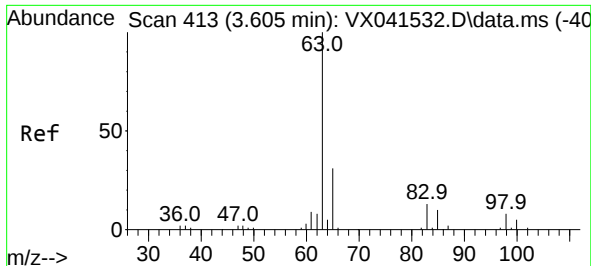
Tgt Ion:	128	Resp:	23280
Ion	Ratio	Lower	Upper
128	100		
49	159.6	0.0	361.5
130	133.6	0.0	324.3



#15
Acetone
Concen: 5.949 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion:	58	Resp:	1257
Ion	Ratio	Lower	Upper
58	100		
43	318.1	274.0	411.0





#21

1,1-Dichloroethane

Concen: 0.984 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

240605074-04

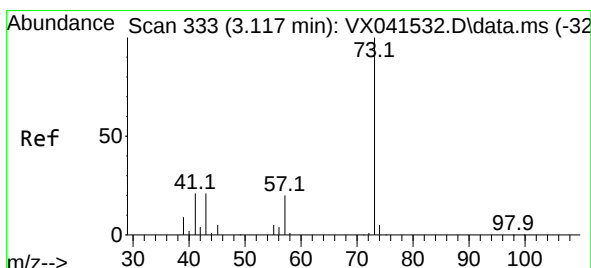
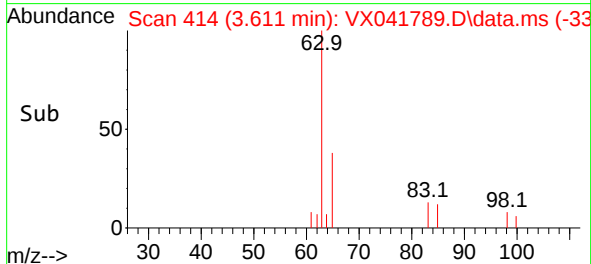
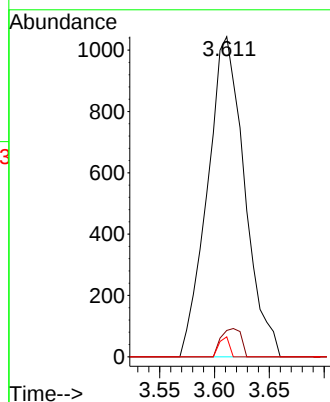
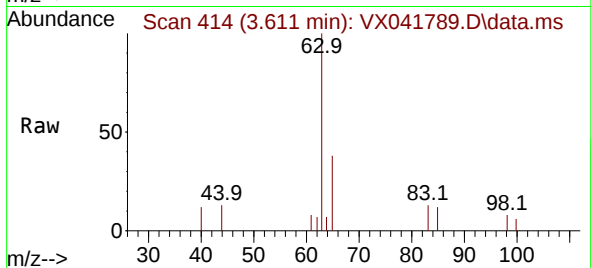
Tgt Ion: 63 Resp: 2453

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.4

100 6.2 2.5 7.4



#24

Methyl tert-Butyl Ether

Concen: 1.224 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.006 min

Lab File: VX041789.D

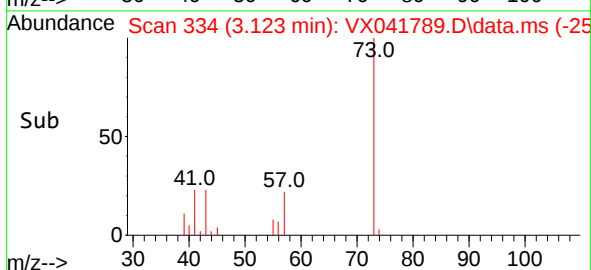
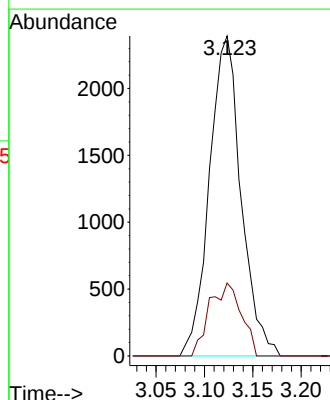
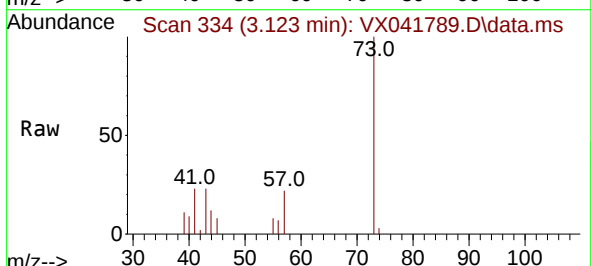
Acq: 07 Jun 2024 14:37

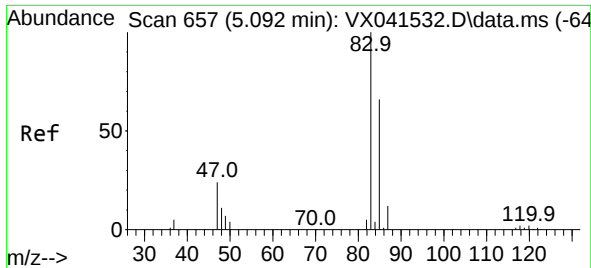
Tgt Ion: 73 Resp: 5444

Ion Ratio Lower Upper

73 100

43 12.3 17.2 25.8#

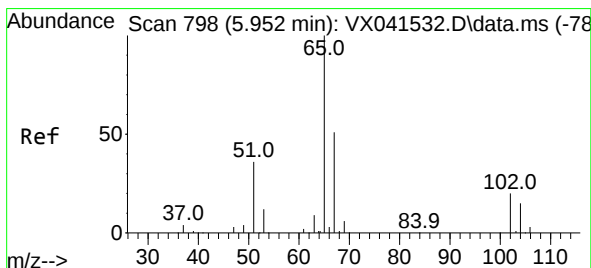
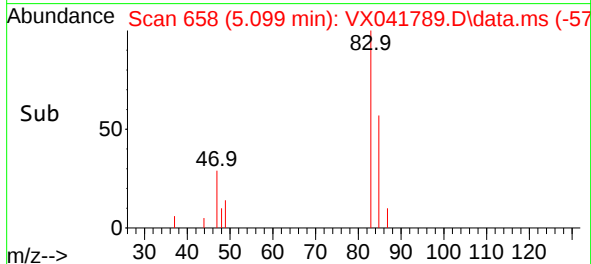
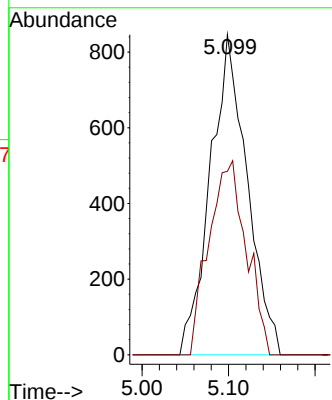
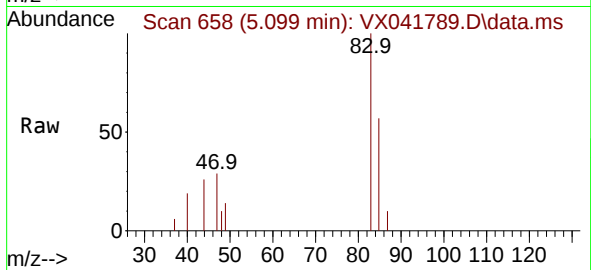




#25
Chloroform
Concen: 0.942 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

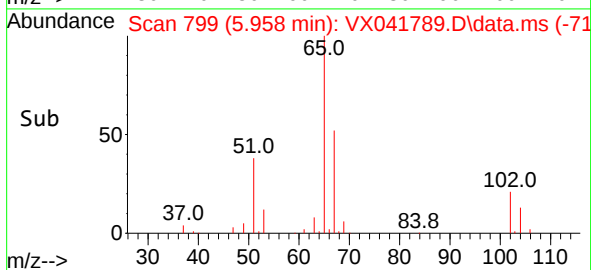
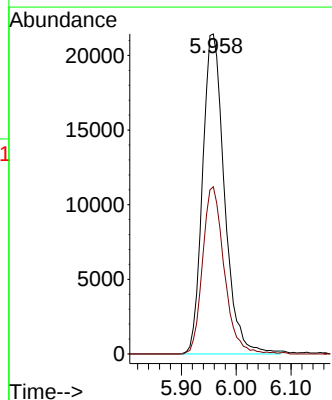
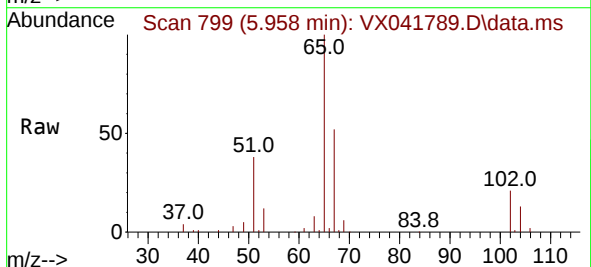
Instrument :
MSVOA_X
ClientSampleId :
240605074-04

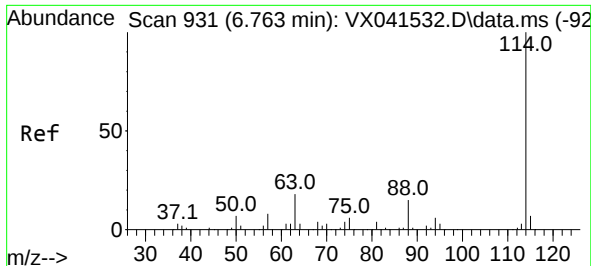
Tgt Ion: 83 Resp: 2502
Ion Ratio Lower Upper
83 100
85 57.3 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 32.461 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion: 65 Resp: 59510
Ion Ratio Lower Upper
65 100
67 51.5 40.8 61.2

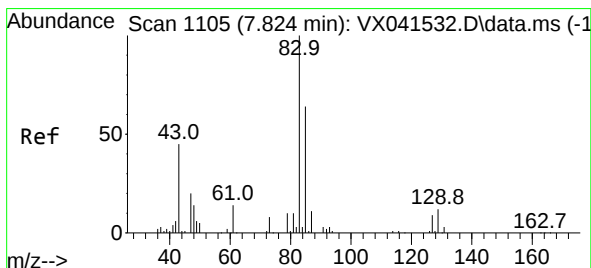
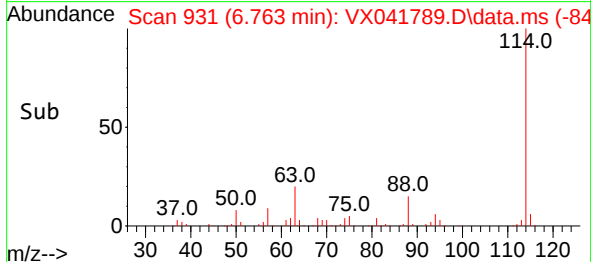
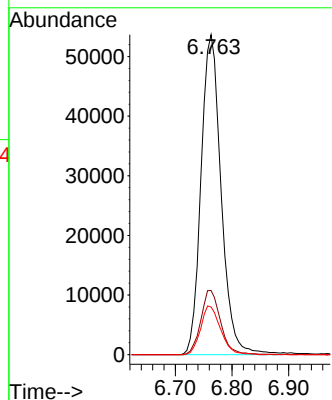
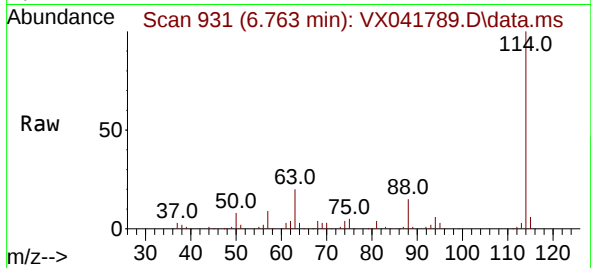




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

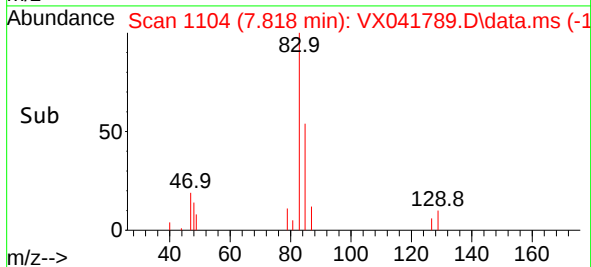
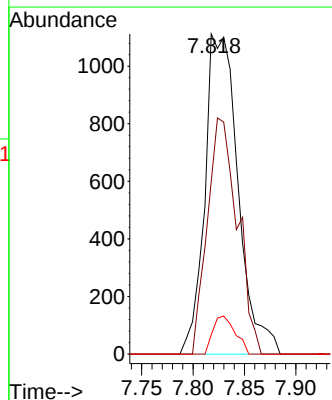
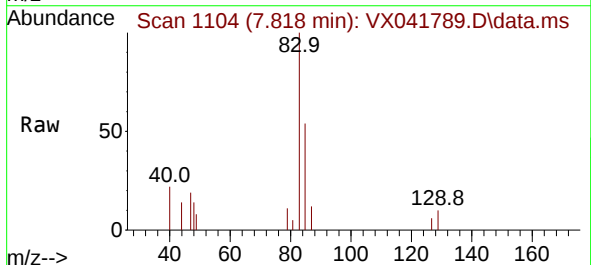
Instrument :
MSVOA_X
ClientSampleId :
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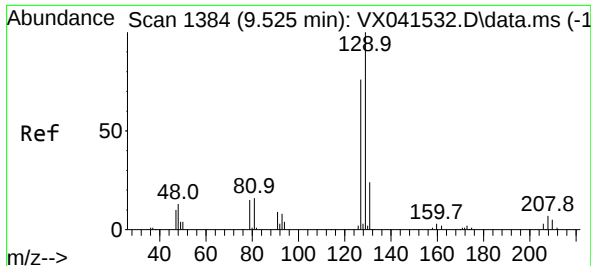
Tgt Ion:114 Resp: 132229
Ion Ratio Lower Upper
114 100
63 19.6 15.4 23.0
88 15.1 12.2 18.2



#41
Bromodichloromethane
Concen: 1.296 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion: 83 Resp: 2501
Ion Ratio Lower Upper
83 100
85 54.0 51.0 76.4
127 6.0 7.1 10.7#

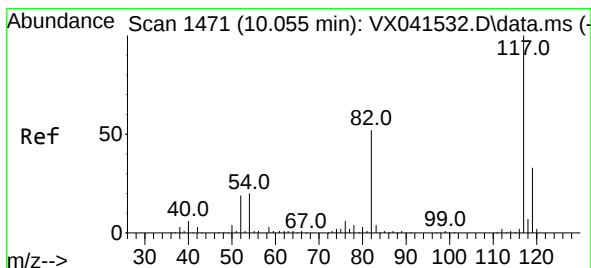
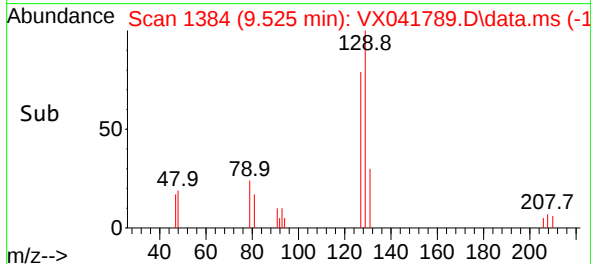
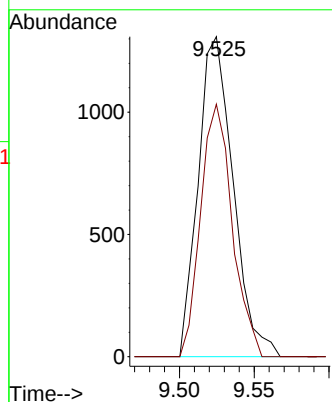
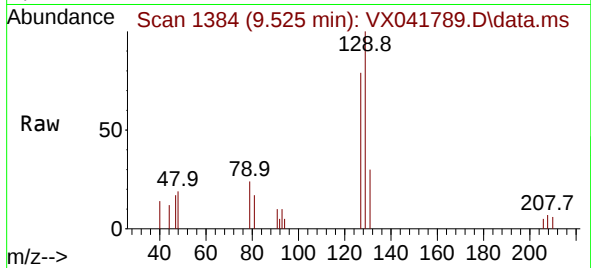




#53
Dibromochloromethane
Concen: 1.309 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

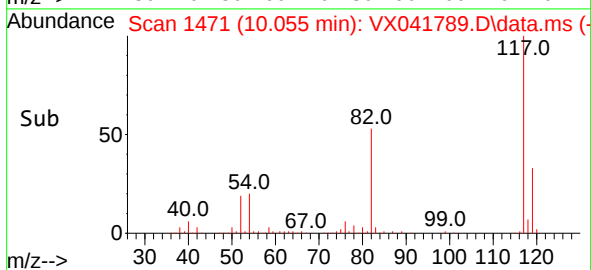
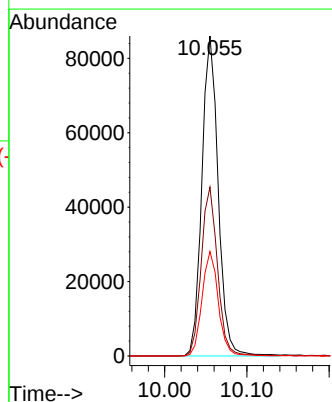
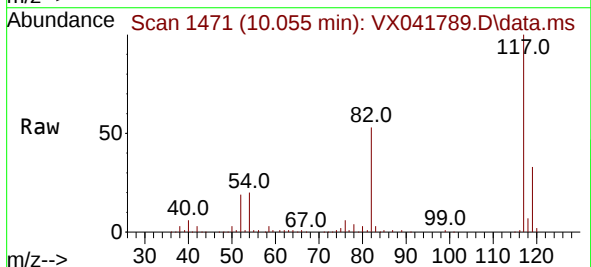
Instrument :
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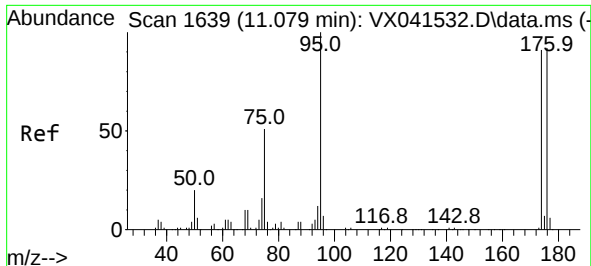
Tgt Ion:129 Resp: 2130
Ion Ratio Lower Upper
129 100
127 71.3 38.9 116.7



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion:117 Resp: 118817
Ion Ratio Lower Upper
117 100
82 52.8 41.7 62.5
119 32.5 25.7 38.5

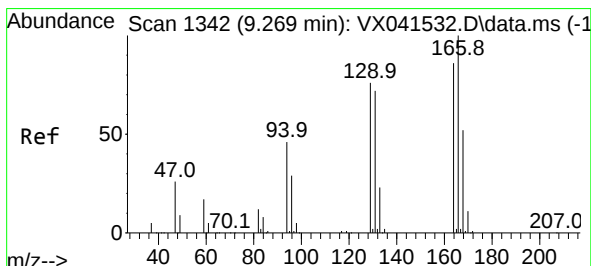
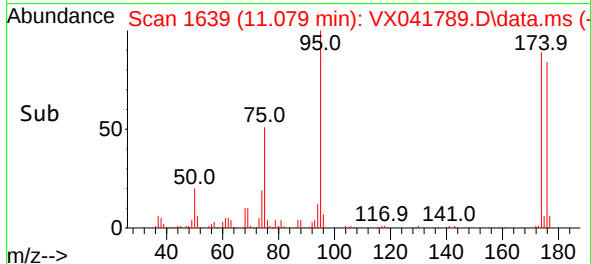
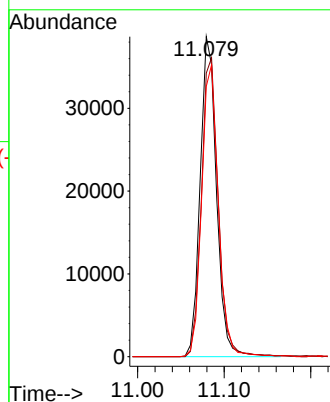
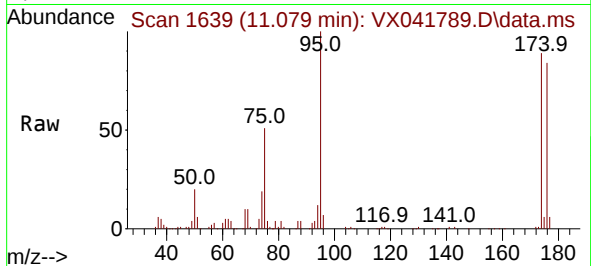




#60
4-Bromofluorobenzene
Concen: 27.440 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

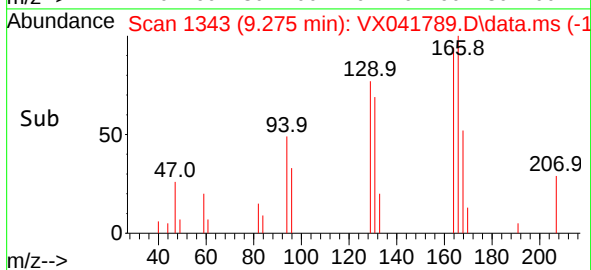
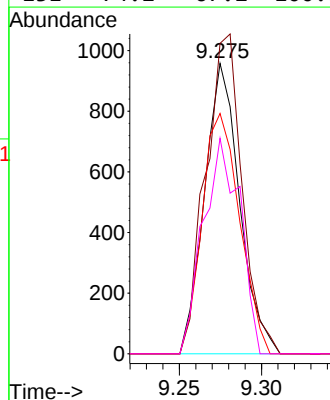
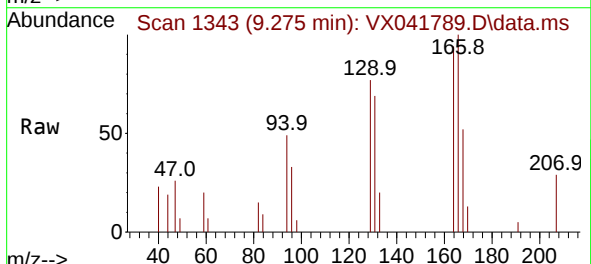
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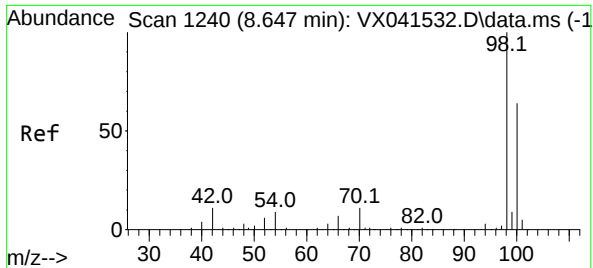
Tgt Ion: 95 Resp: 50897
Ion Ratio Lower Upper
95 100
174 96.1 76.6 115.0
176 92.7 75.4 113.0



#61
Tetrachloroethene
Concen: 0.977 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion: 164 Resp: 1420
Ion Ratio Lower Upper
164 100
166 106.9 92.8 139.2
129 82.8 70.1 105.1
131 74.2 67.2 100.8





#63
Toluene-d8
Concen: 29.160 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :
240605074-04

Tgt Ion: 98 Resp: 148519
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

