

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030524\
 Data File : VX040588.D
 Acq On : 05 Mar 2024 15:00
 Operator : JC/MD
 Sample : VX0305WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBL01

Quant Time: Mar 06 00:12:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

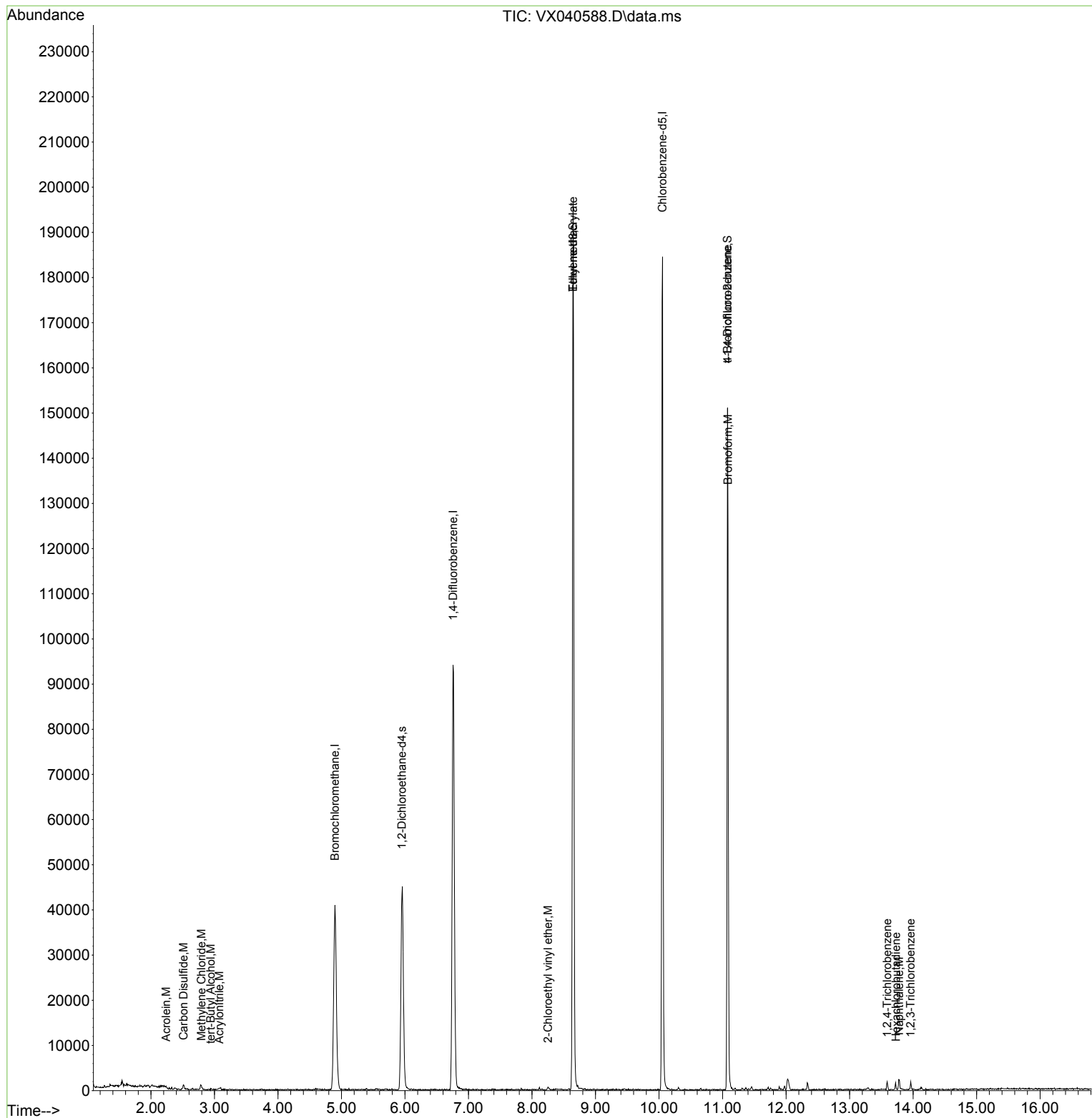
Internal Standards						
1) Bromochloromethane	4.897	128	15564	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	89821	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	77479	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	47046	30.265	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.900%
60) 4-Bromofluorobenzene	11.079	95	37176	27.973	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.233%
63) Toluene-d8	8.647	98	109895	32.095	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.000%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	109	0.378	ug/l	97
14) Acrylonitrile	3.075	53	175	0.291	ug/l #	58
16) Carbon Disulfide	2.514	76	1140	0.447	ug/l	98
18) Methylene Chloride	2.794	84	413	0.390	ug/l #	64
23) tert-Butyl Alcohol	2.940	59	166	0.584	ug/l #	100
51) Ethyl methacrylate	8.647	69	559	0.318	ug/l	78
55) 2-Chloroethyl vinyl ether	8.250	63	285	0.319	ug/l #	63
56) Bromoform	11.085	173	238	0.264	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	21209	45.779	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.591	180	543	0.381	ug/l	95
90) Hexachlorobutadiene	13.731	225	292	0.507	ug/l	78
91) Naphthalene	13.780	128	1951	0.420	ug/l #	89
92) 1,2,3-Trichlorobenzene	13.963	180	528	0.376	ug/l	91

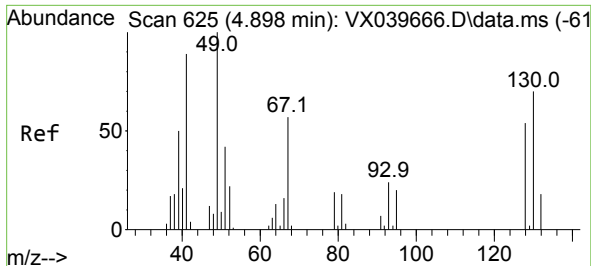
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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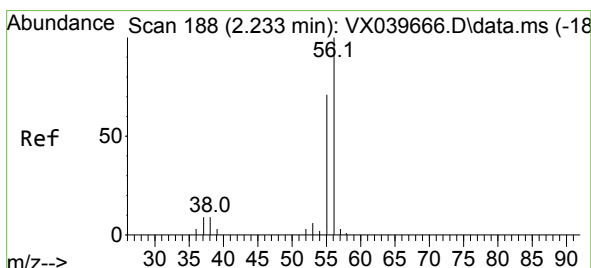
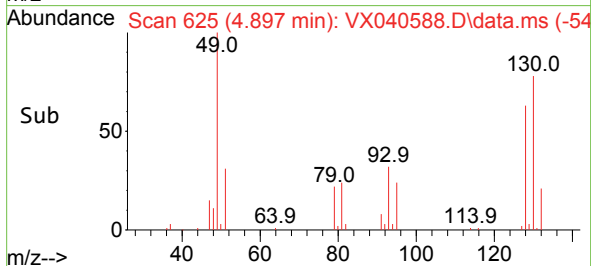
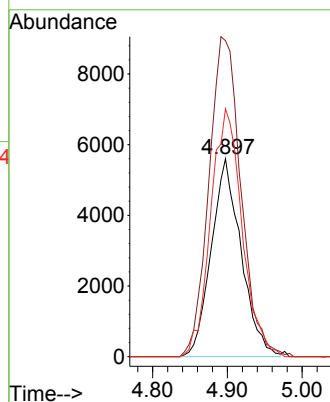
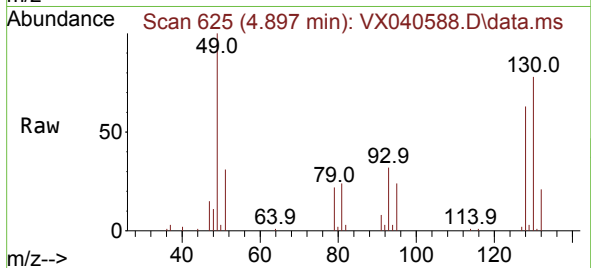




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

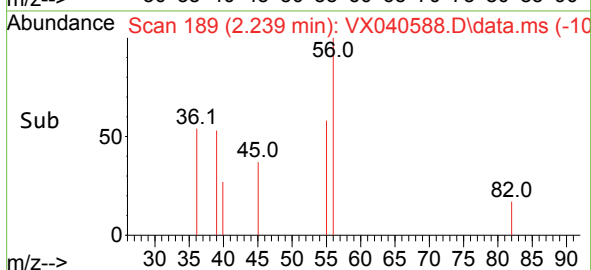
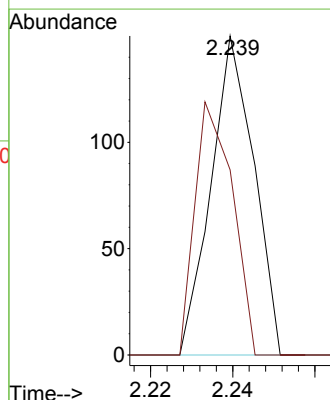
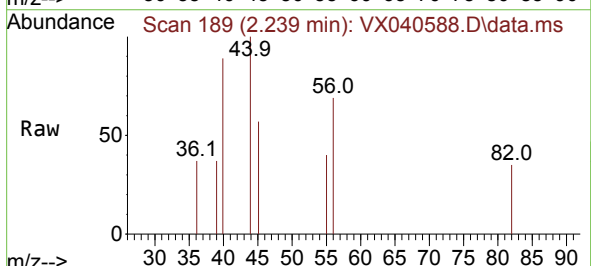
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

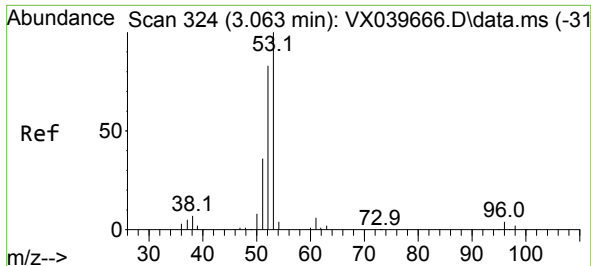
Tgt Ion:128 Resp: 15564
Ion Ratio Lower Upper
128 100
49 173.5 0.0 444.0
130 131.9 0.0 297.8



#13
Acrolein
Concen: 0.378 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 68.8 57.2 85.8

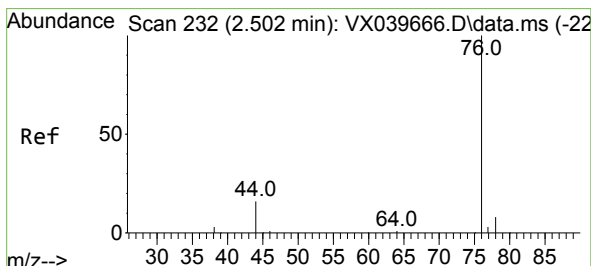
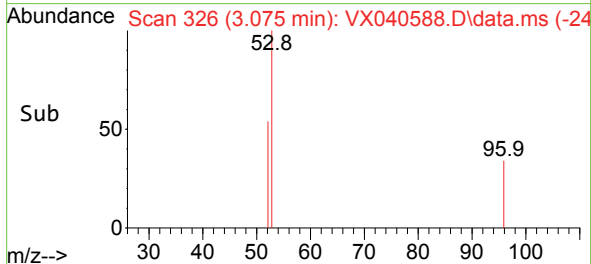
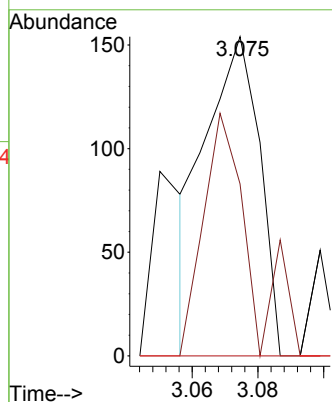
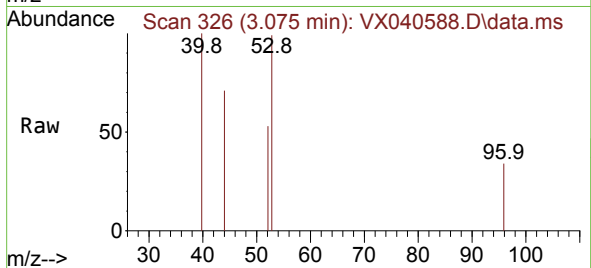




#14
Acrylonitrile
Concen: 0.291 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

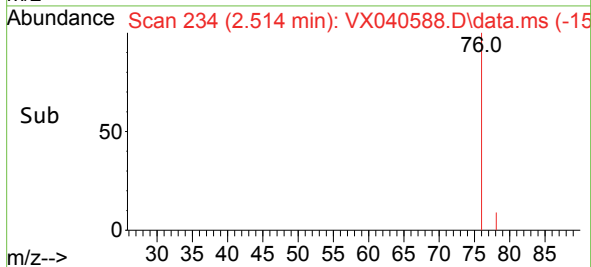
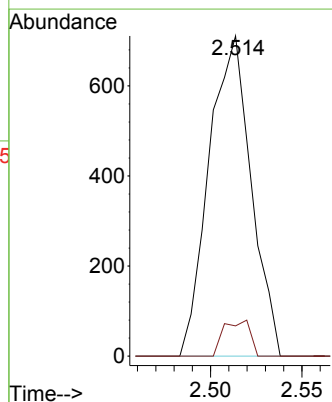
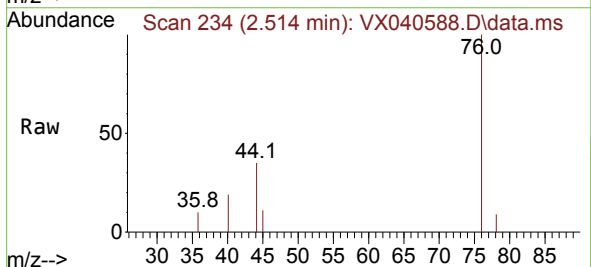
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

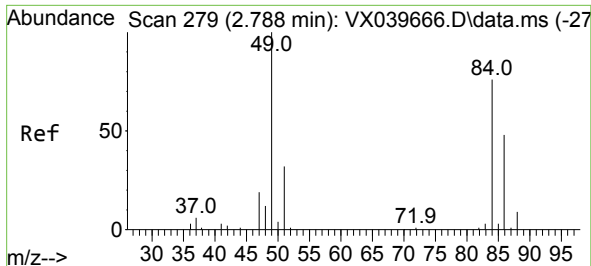
Tgt Ion: 53	Resp:	175
Ion	Ratio	Lower Upper
53	100	
52	53.7	41.9 125.6
51	0.0	18.3 54.9



#16
Carbon Disulfide
Concen: 0.447 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.012 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion: 76	Resp:	1140
Ion	Ratio	Lower Upper
76	100	
78	9.4	8.0 12.0

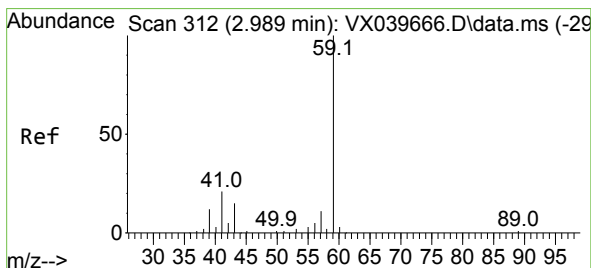
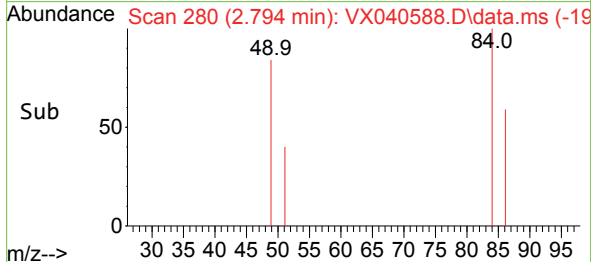
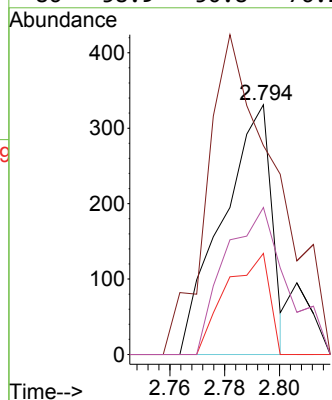
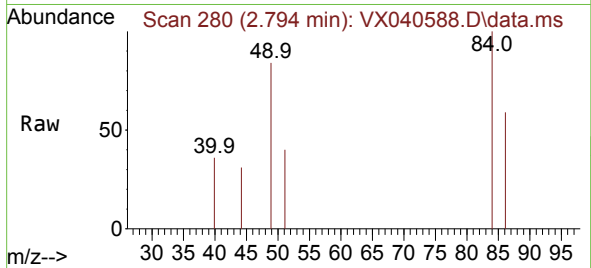




#18
Methylene Chloride
Concen: 0.390 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

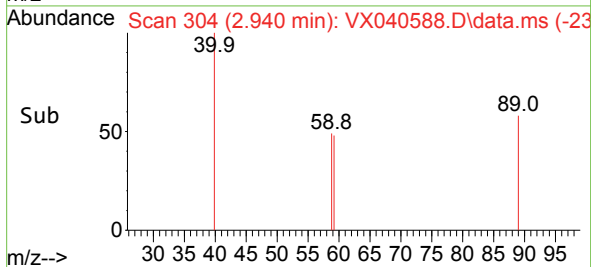
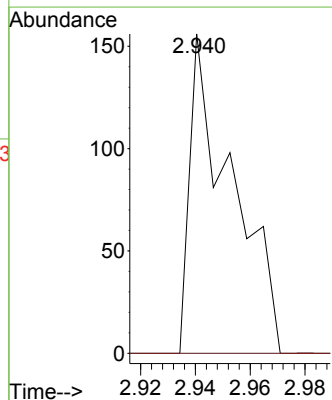
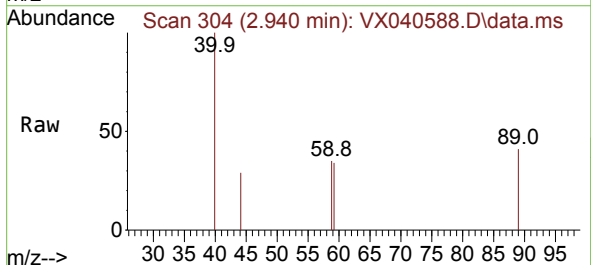
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

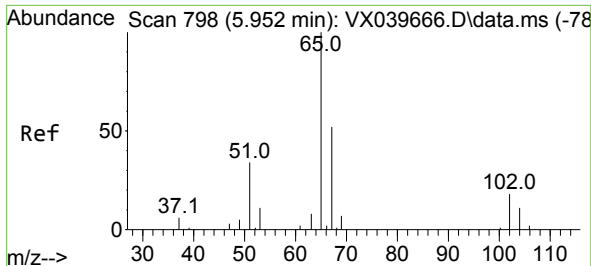
Tgt Ion: 84	Resp:	413	
Ion	Ratio	Lower	Upper
84	100		
49	58.9	103.8	155.8#
51	40.5	31.8	47.6
86	58.9	50.8	76.2



#23
tert-Butyl Alcohol
Concen: 0.584 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion: 59	Resp:	166	
Ion	Ratio	Lower	Upper
59	100		
52	56.6	0.0	0.0#

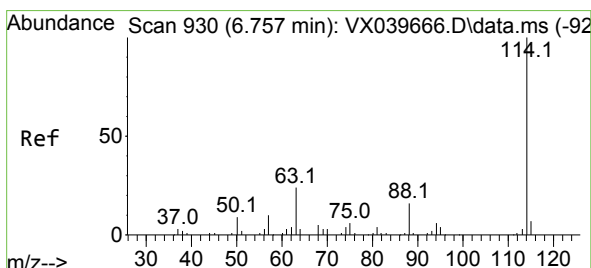
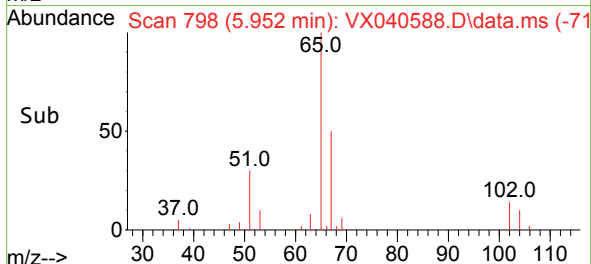
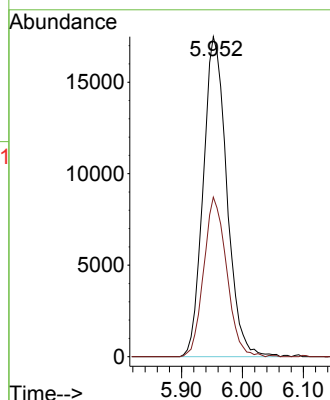
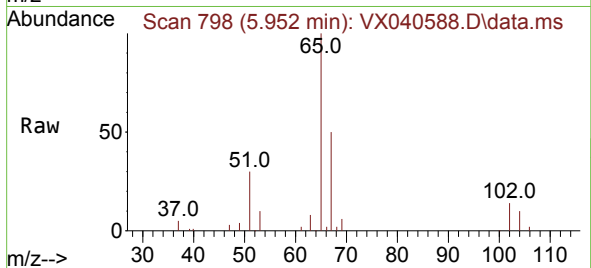




#27
1,2-Dichloroethane-d4
Concen: 30.265 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

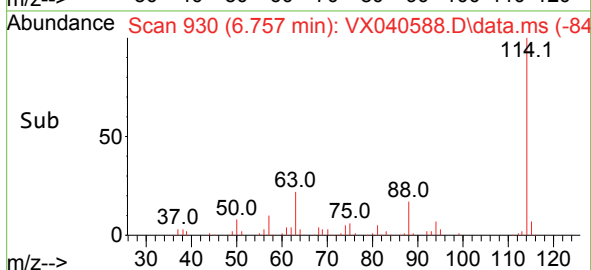
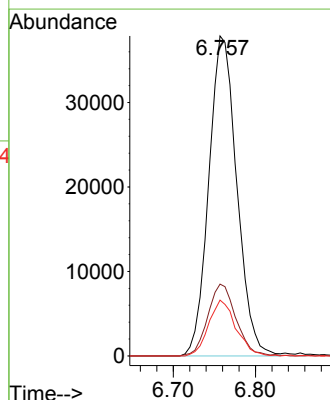
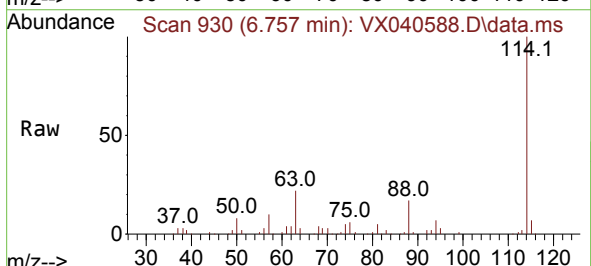
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

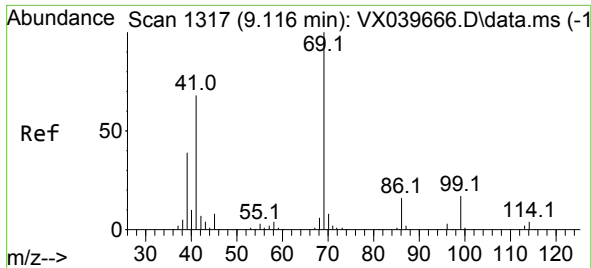
Tgt Ion: 65 Resp: 47046
Ion Ratio Lower Upper
65 100
67 48.2 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion: 114 Resp: 89821
Ion Ratio Lower Upper
114 100
63 22.4 17.0 25.4
88 16.9 12.7 19.1

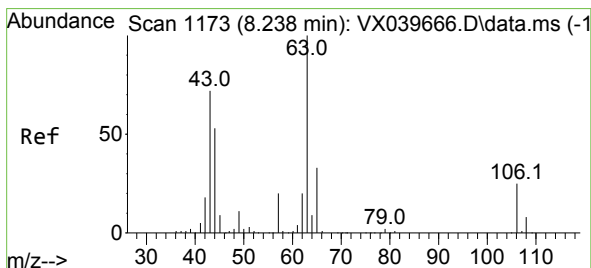
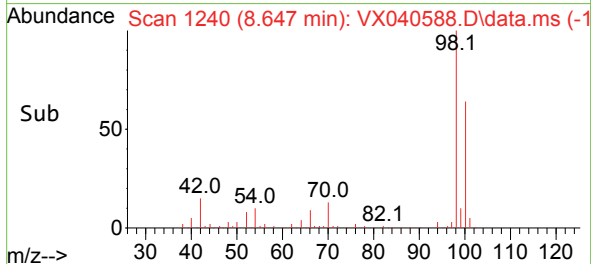
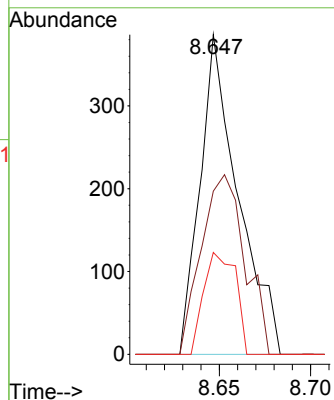
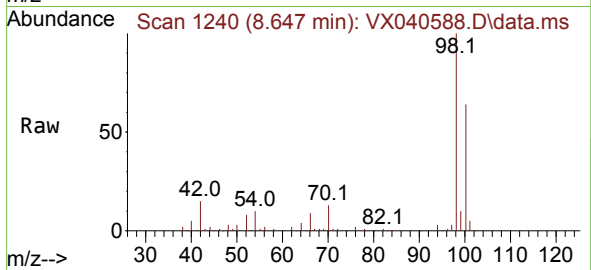




#51
Ethyl methacrylate
Concen: 0.318 ug/l
RT: 8.647 min Scan# 1175
Delta R.T. -0.469 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

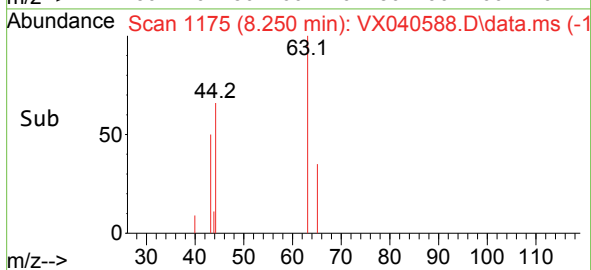
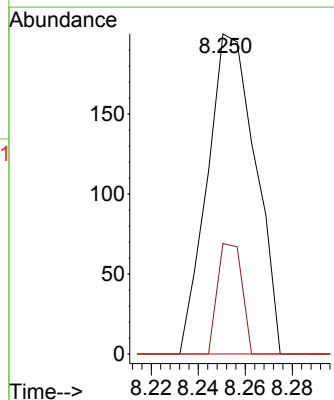
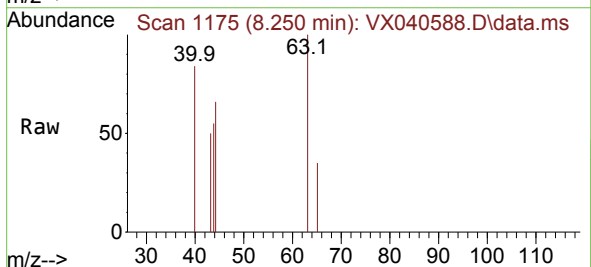
Instrument :
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ClientSampleId :
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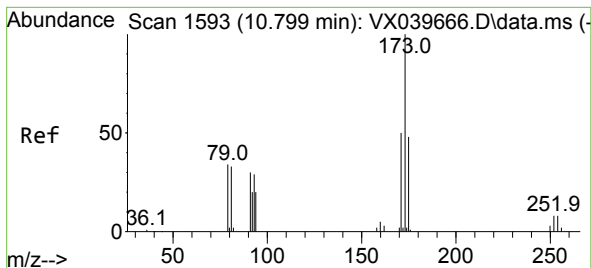
Tgt Ion: 69	Resp: 559
Ion Ratio	Lower Upper
69	100
41	51.0 36.2 108.6
39	31.9 21.1 63.4



#55
2-Chloroethyl vinyl ether
Concen: 0.319 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion: 63	Resp: 285
Ion Ratio	Lower Upper
63	100
65	17.5 25.8 38.6#
106	0.0 20.6 31.0#





#56

Bromoform

Concen: 0.264 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX040588.D

Acq: 05 Mar 2024 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBL01

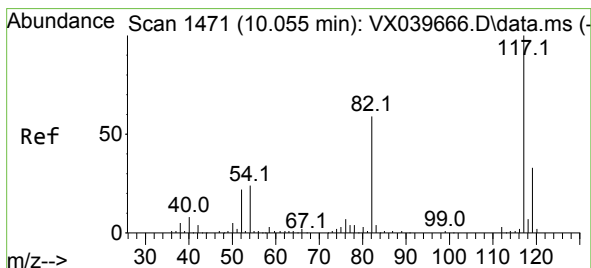
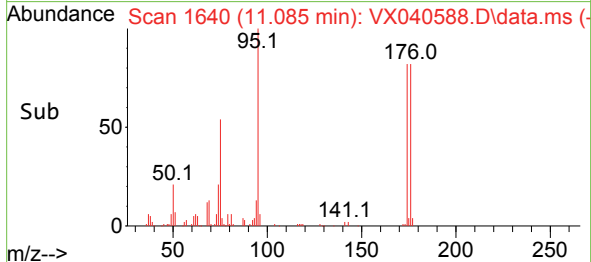
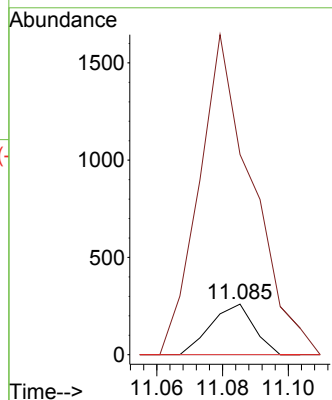
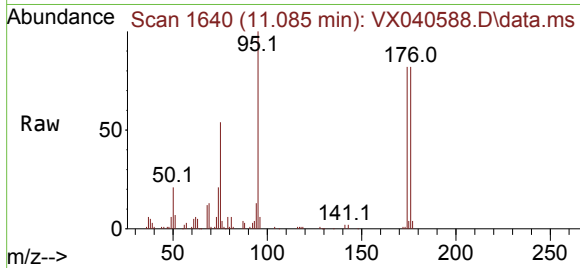
Tgt Ion:173 Resp: 238

Ion Ratio Lower Upper

173 100

175 776.5 37.6 56.4#

254 0.0 5.8 8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040588.D

Acq: 05 Mar 2024 15:00

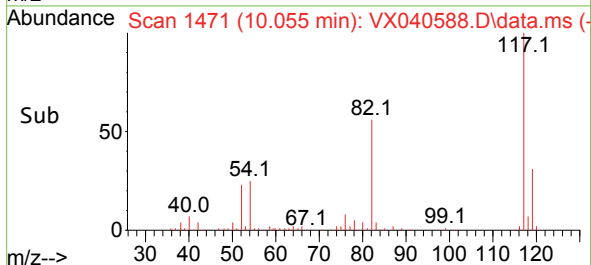
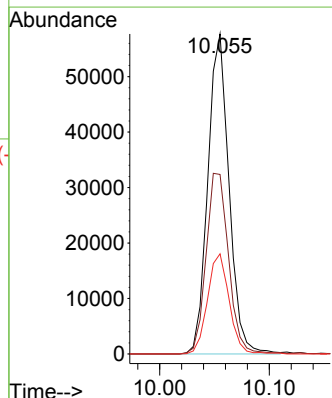
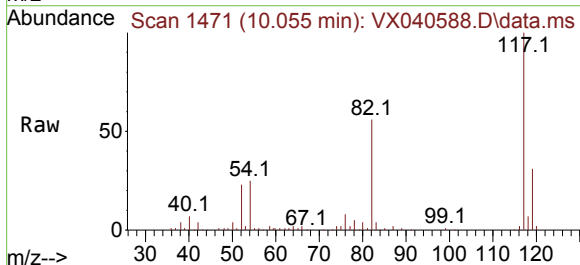
Tgt Ion:117 Resp: 77479

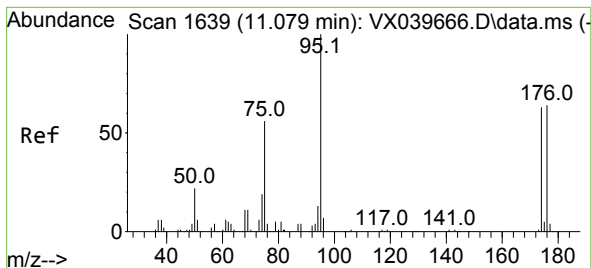
Ion Ratio Lower Upper

117 100

82 60.0 47.0 70.6

119 31.9 25.2 37.8

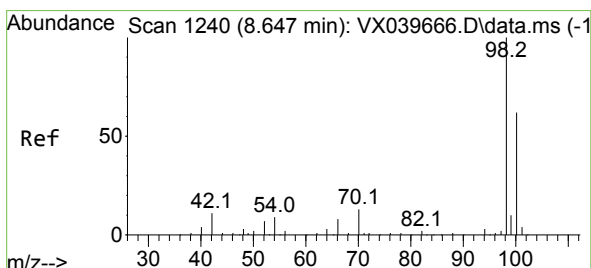
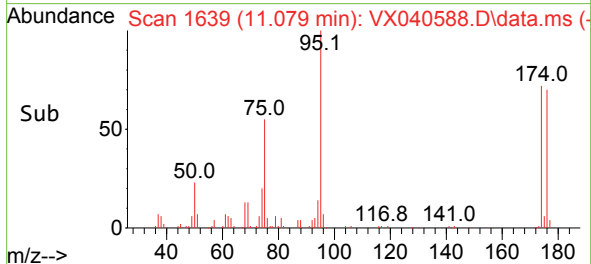
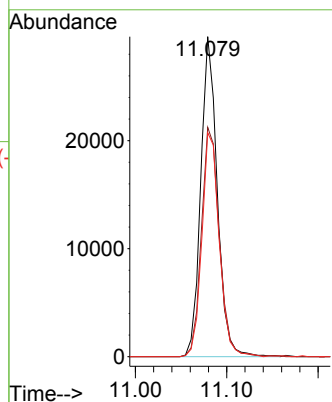
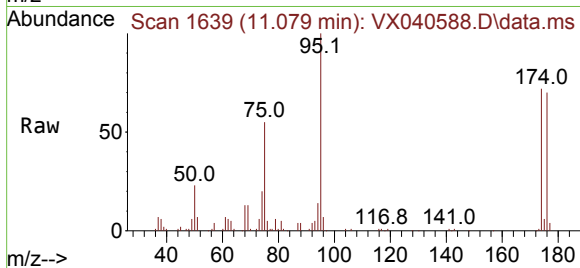




#60
4-Bromofluorobenzene
Concen: 27.973 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

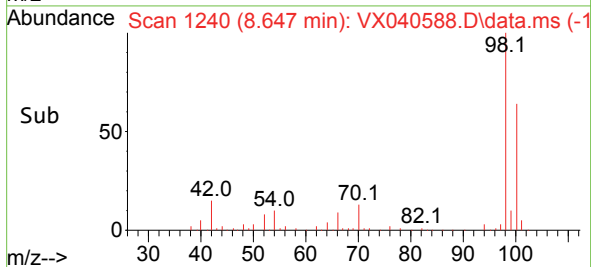
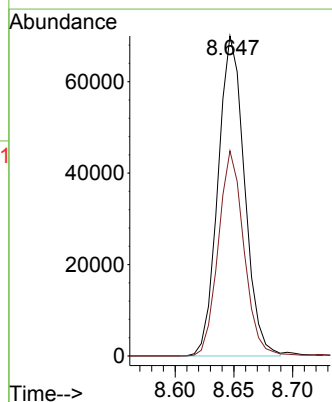
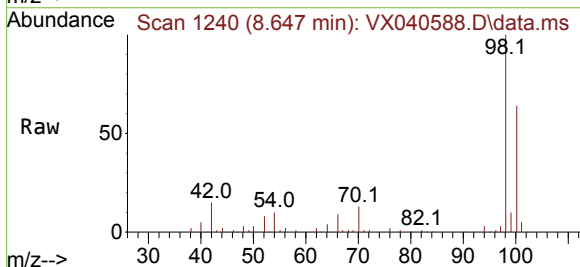
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

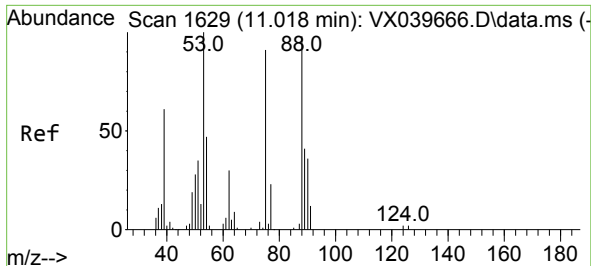
Tgt Ion: 95 Resp: 37176
Ion Ratio Lower Upper
95 100
174 77.3 55.4 83.2
176 73.4 52.6 78.8



#63
Toluene-d8
Concen: 32.095 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion: 98 Resp: 109895
Ion Ratio Lower Upper
98 100
100 61.9 51.0 76.4

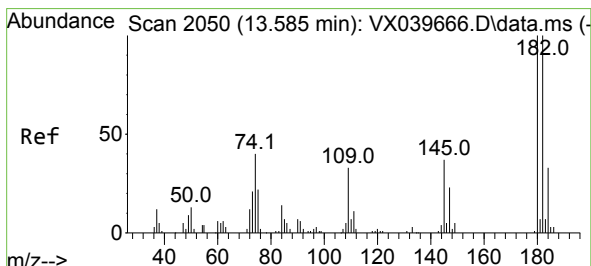
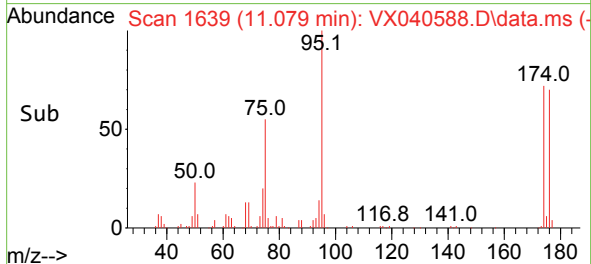
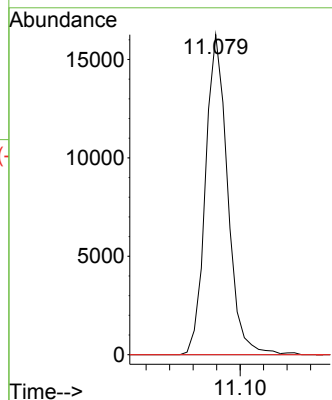
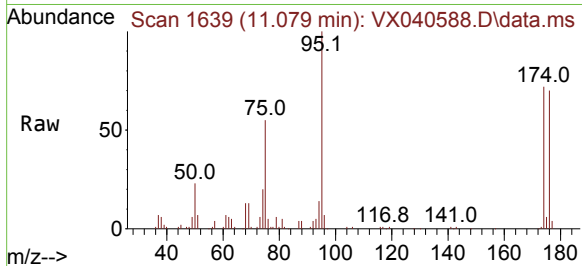




#77
t-1,4-Dichloro-2-butene
Concen: 45.779 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

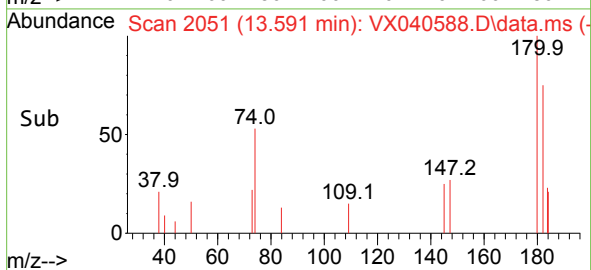
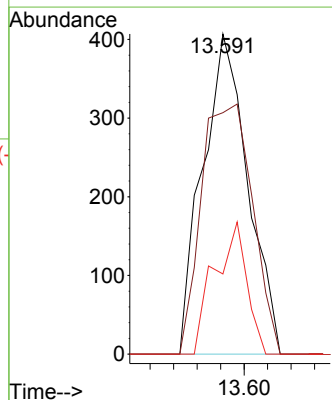
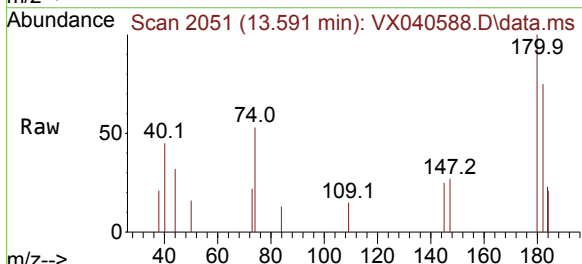
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

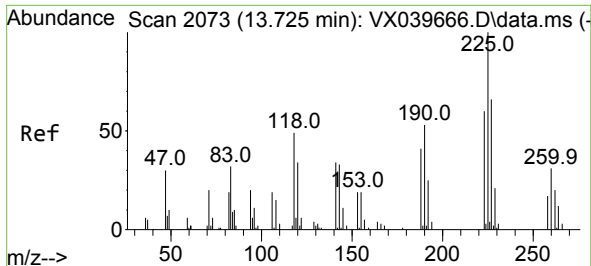
Tgt Ion: 75 Resp: 21209
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#



#89
1,2,4-Trichlorobenzene
Concen: 0.381 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion:180 Resp: 543
Ion Ratio Lower Upper
180 100
182 88.6 74.5 111.7
145 29.7 26.6 40.0

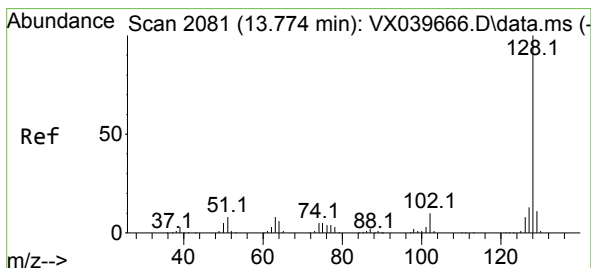
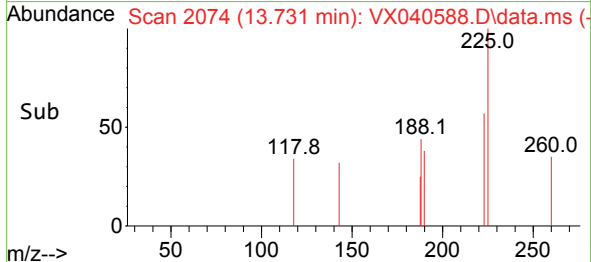
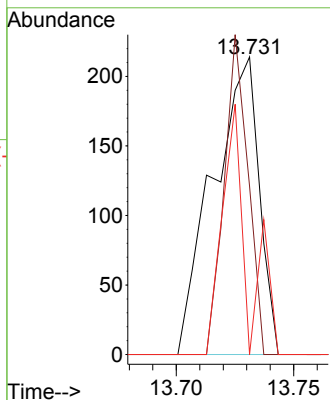
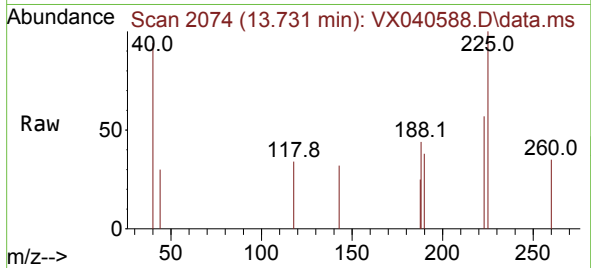




#90
Hexachlorobutadiene
Concen: 0.507 ug/l
RT: 13.731 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

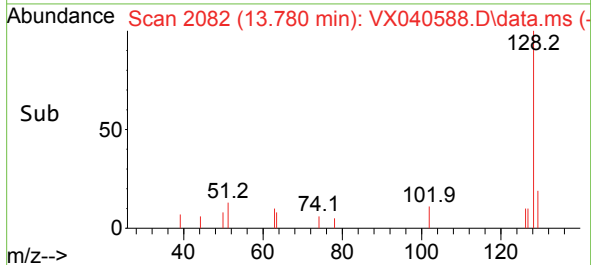
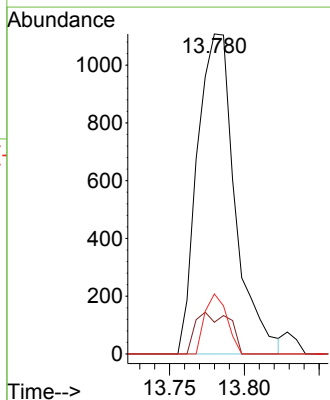
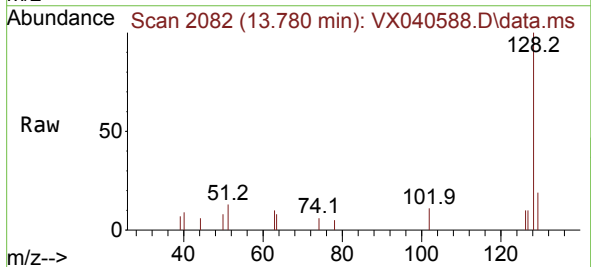
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

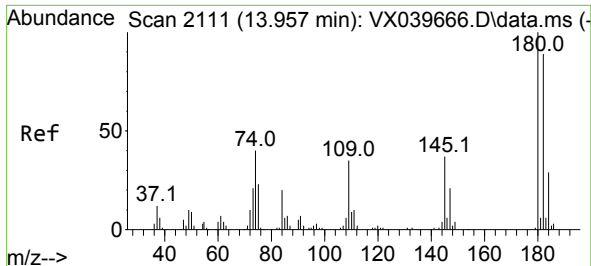
Tgt Ion:225	Resp:	292
Ion Ratio	Lower	Upper
225	100	
223	55.5	0.0 124.4
227	34.2	0.0 124.4



#91
Naphthalene
Concen: 0.420 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040588.D
Acq: 05 Mar 2024 15:00

Tgt Ion:128	Resp:	1951
Ion Ratio	Lower	Upper
128	100	
127	4.7	10.2 15.2#
129	11.0	8.6 12.8





#92

1,2,3-Trichlorobenzene

Concen: 0.376 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040588.D

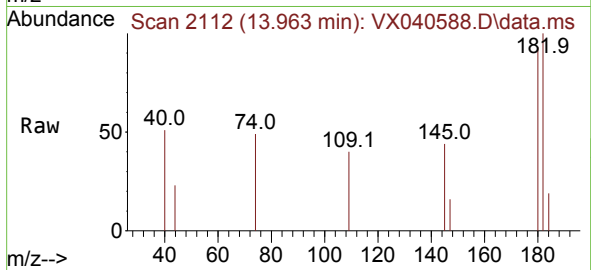
Acq: 05 Mar 2024 15:00

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBL01



Tgt Ion:180 Resp: 528

Ion Ratio Lower Upper

180 100

182 103.4 0.0 191.6

145 27.7 0.0 69.6

