

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012722\
 Data File : VX026629.D
 Acq On : 27 Jan 2022 17:03
 Operator : JC/MD
 Sample : N1296-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

Quant Time: Jan 28 04:26:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	129735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219592	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79783	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85707	47.292	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.580%
35) Dibromofluoromethane	5.391	113	69274	48.851	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.700%
50) Toluene-d8	8.653	98	258615	50.609	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.220%
62) 4-Bromofluorobenzene	11.079	95	90765	50.000	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.000%

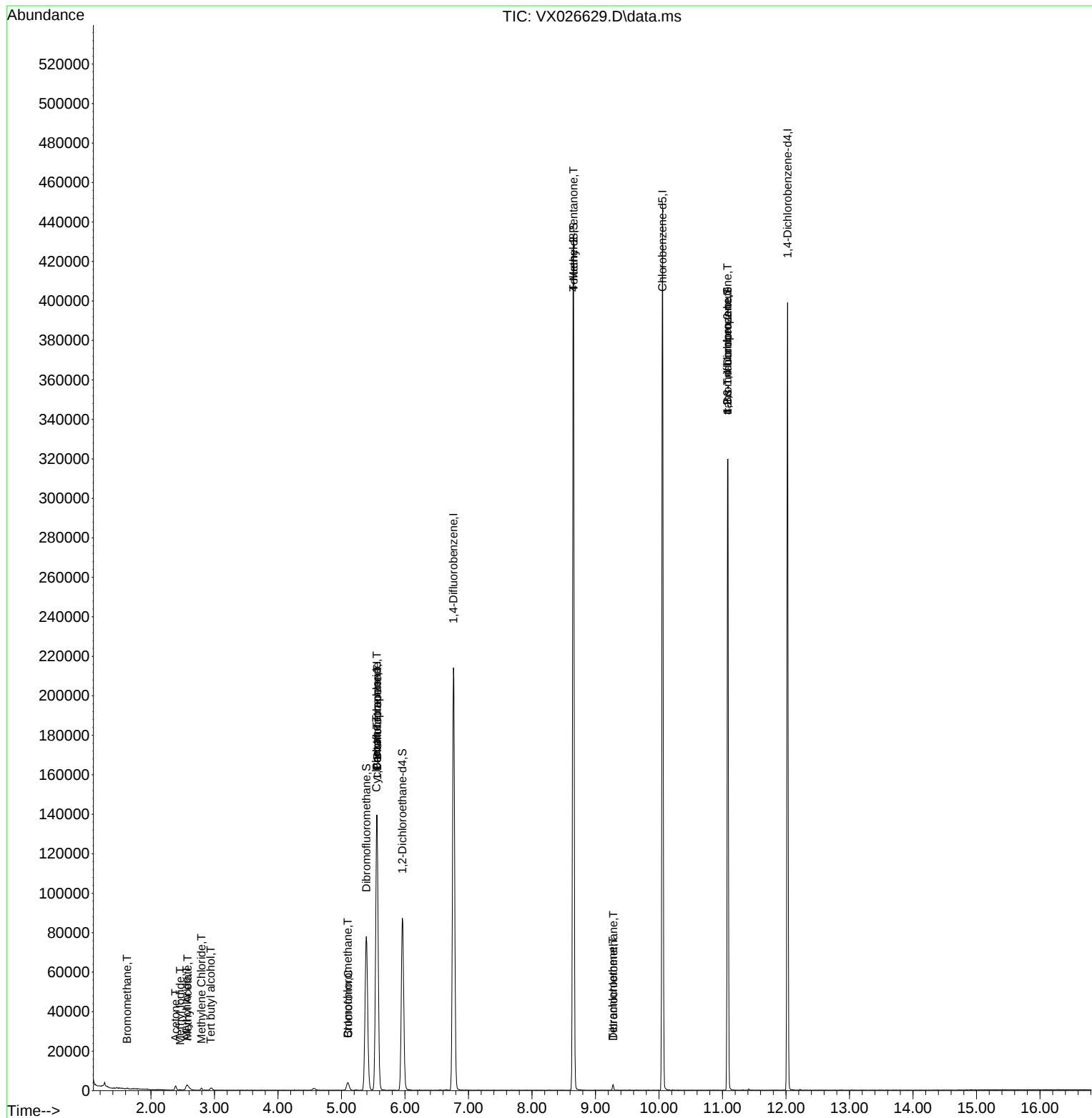
Target Compounds				Qvalue		
5) Bromomethane	1.624	94	212	0.312	ug/l	93
10) Methyl Iodide	2.459	142	134	4.525	ug/l #	85
11) Tert butyl alcohol	2.941	59	860	3.411	ug/l #	75
14) Allyl chloride	2.563	41	547	0.220	ug/l #	73
16) Acetone	2.386	43	2632	2.848	ug/l	97
18) Methyl Acetate	2.575	43	1534	0.835	ug/l #	53
20) Methylene Chloride	2.794	84	444	0.291	ug/l	95
28) Bromochloromethane	5.099	49	317	0.282	ug/l #	13
30) Chloroform	5.105	83	5160	1.817	ug/l	99
31) Cyclohexane	5.550	56	2722	1.018	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10262	4.584	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13419	5.828	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1034	0.477	ug/l #	1
60) Dibromochloromethane	9.281	129	493	0.320	ug/l #	11
64) Tetrachloroethene	9.275	164	537	0.288	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	45978	26.174	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	45978	79.324	ug/l #	3

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

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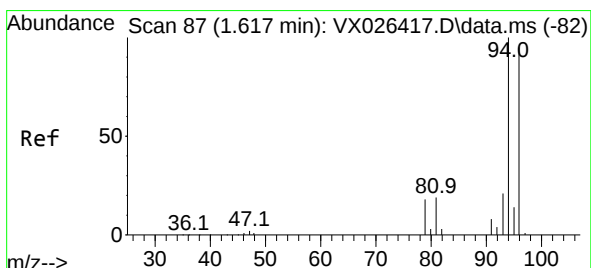
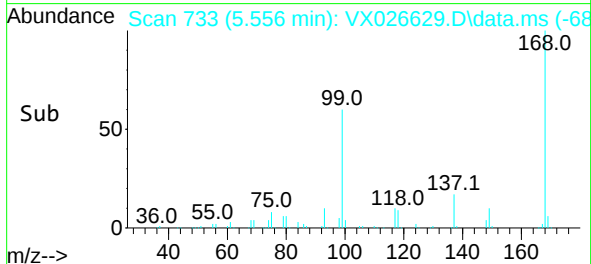
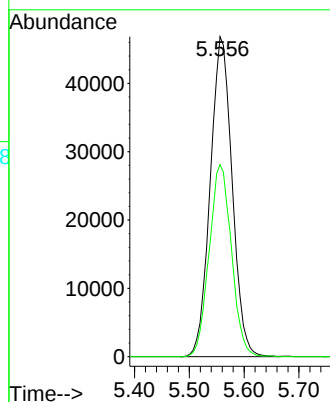
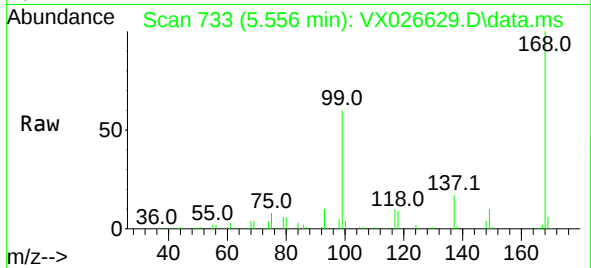




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

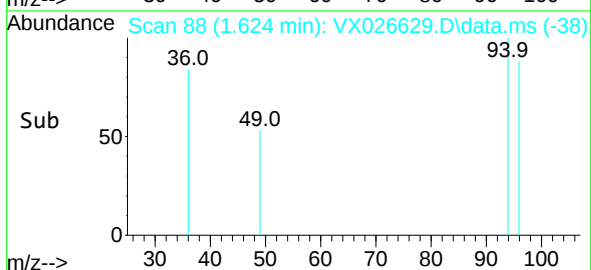
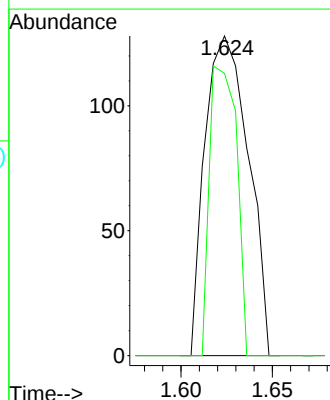
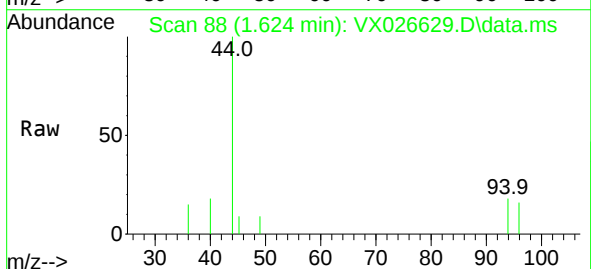
Instrument :
MSVOA_X
ClientSampleId :
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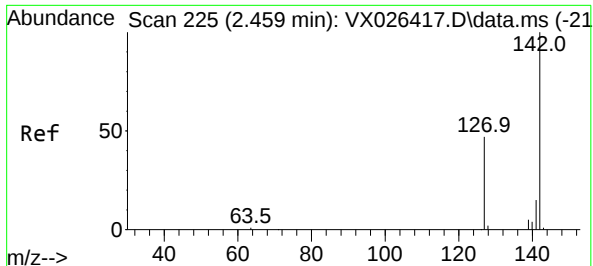
Tgt Ion:168 Resp: 129735
Ion Ratio Lower Upper
168 100
99 60.0 50.3 75.5



#5
Bromomethane
Concen: 0.312 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

Tgt Ion: 94 Resp: 212
Ion Ratio Lower Upper
94 100
96 88.3 75.9 113.9





#10

Methyl Iodide

Concen: 4.525 ug/l

RT: 2.459 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX026629.D

Acq: 27 Jan 2022 17:03

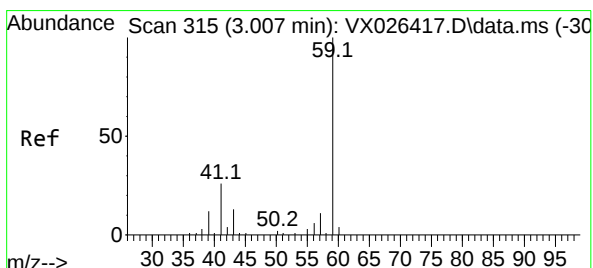
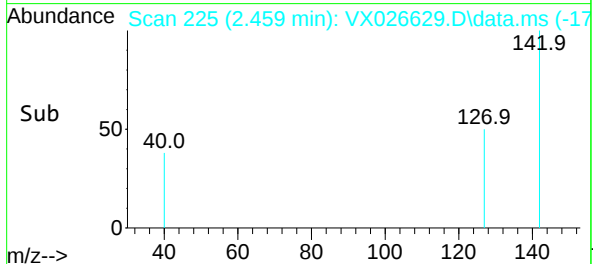
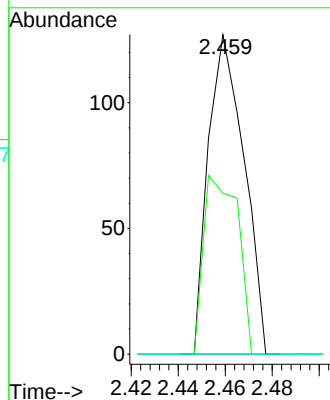
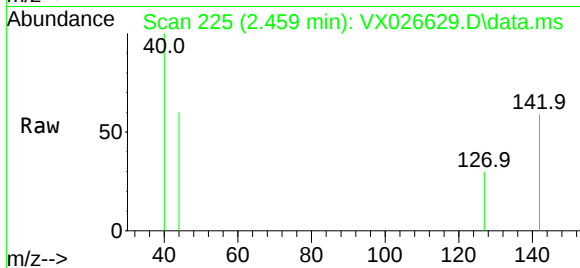
Instrument :

MSVOA_X

ClientSampleId :

MW-16

Tgt Ion:	142	Resp:	134
Ion	Ratio	Lower	Upper
142	100		
127	53.7	38.1	57.1
141	0.0	11.2	16.8#



#11

Tert butyl alcohol

Concen: 3.411 ug/l

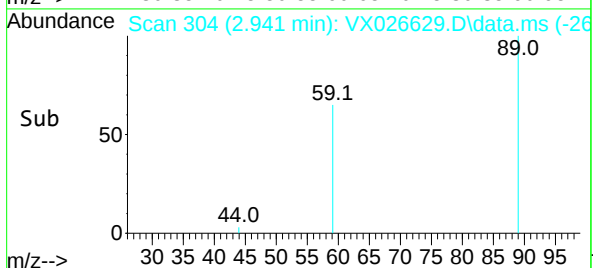
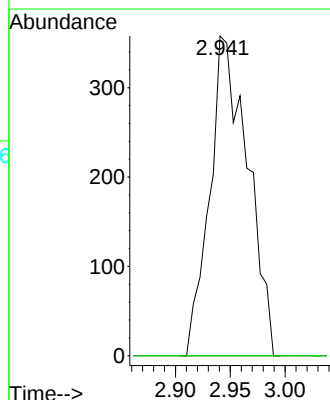
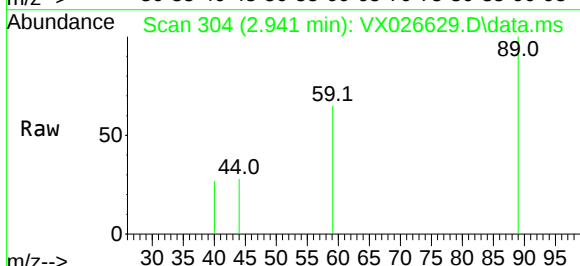
RT: 2.941 min Scan# 304

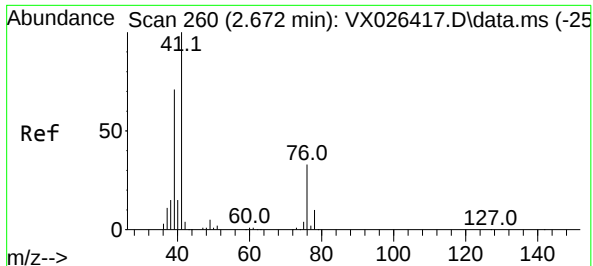
Delta R.T. -0.066 min

Lab File: VX026629.D

Acq: 27 Jan 2022 17:03

Tgt Ion:	59	Resp:	860
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.2	10.8#

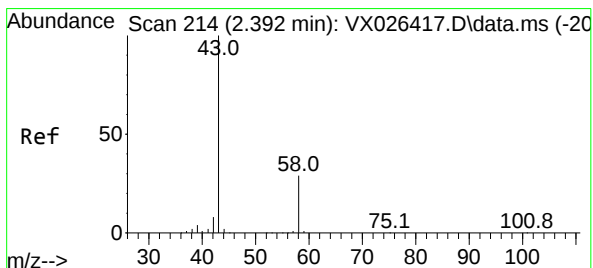
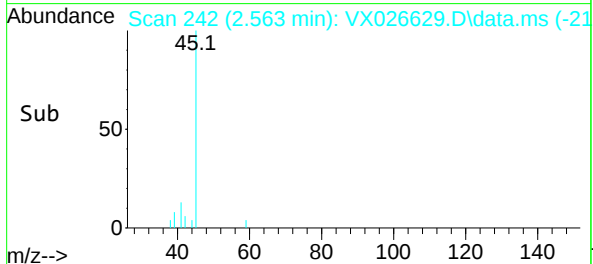
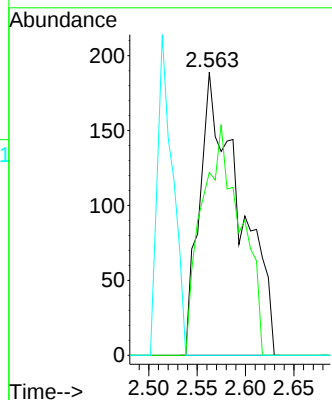
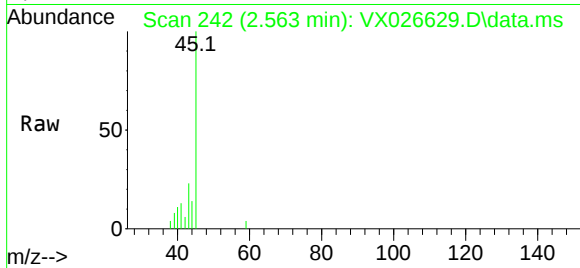




#14
 Allyl chloride
 Concen: 0.220 ug/l
 RT: 2.563 min Scan# 242
 Delta R.T. -0.110 min
 Lab File: VX026629.D
 Acq: 27 Jan 2022 17:03

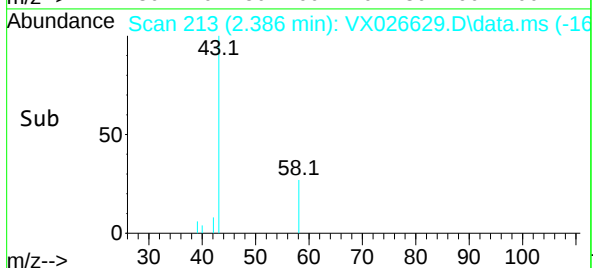
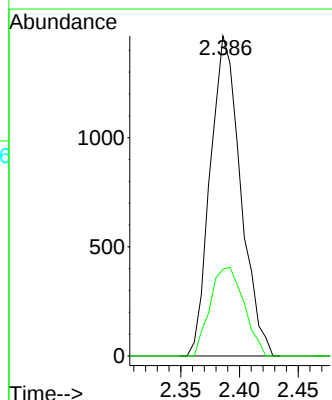
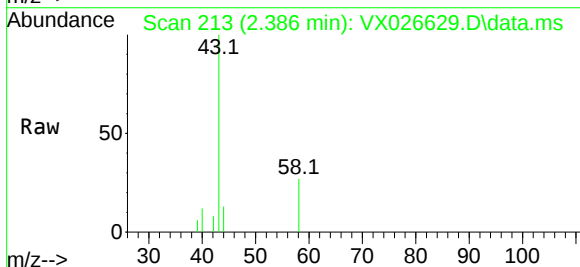
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

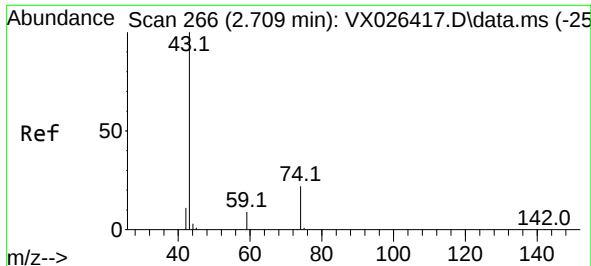
Tgt Ion: 41 Resp: 547
 Ion Ratio Lower Upper
 41 100
 39 78.6 54.2 81.4
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 2.848 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX026629.D
 Acq: 27 Jan 2022 17:03

Tgt Ion: 43 Resp: 2632
 Ion Ratio Lower Upper
 43 100
 58 27.1 23.0 34.6

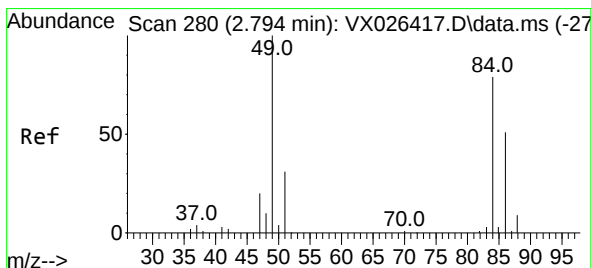
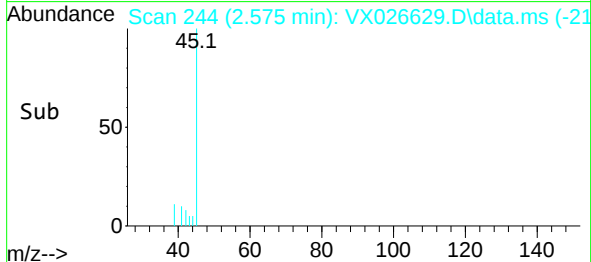
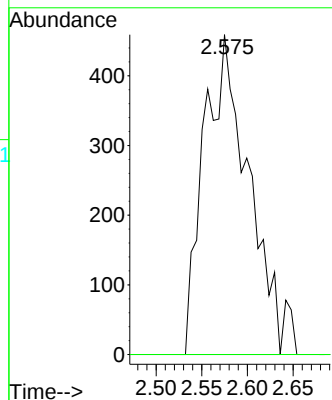
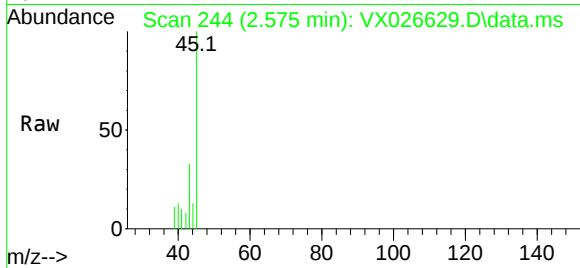




#18
Methyl Acetate
Concen: 0.835 ug/l
RT: 2.575 min Scan# 244
Delta R.T. -0.134 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

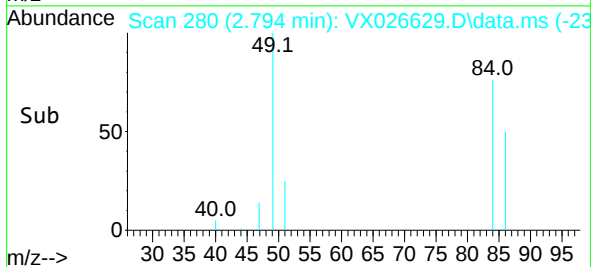
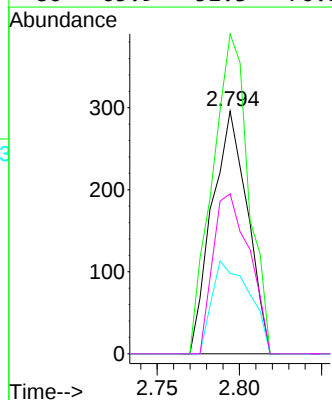
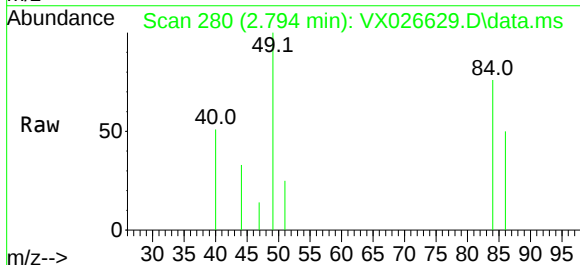
Instrument :
MSVOA_X
ClientSampleId :
MW-16

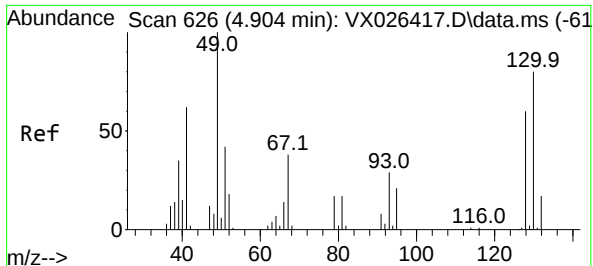
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

Tgt Ion: 84 Resp: 444
Ion Ratio Lower Upper
84 100
49 131.8 101.5 152.3
51 33.1 31.2 46.8
86 65.9 51.3 76.9

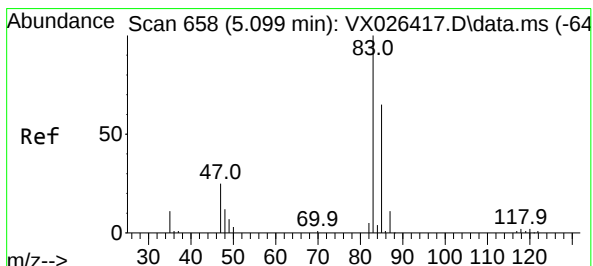
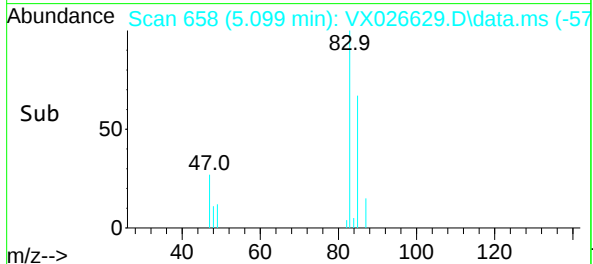
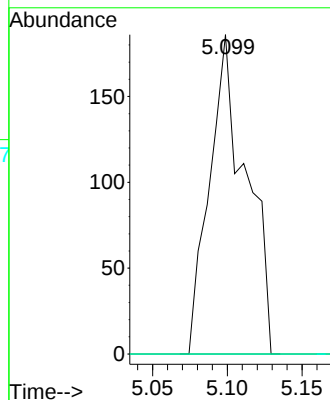
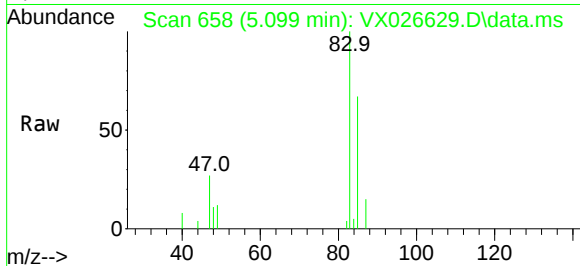




#28
Bromochloromethane
Concen: 0.282 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

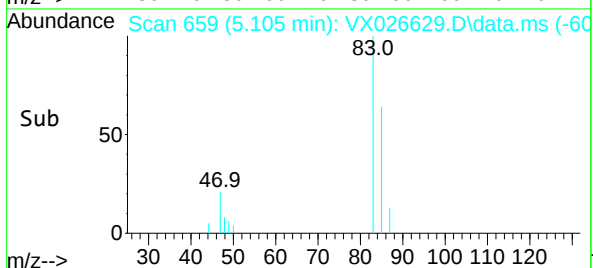
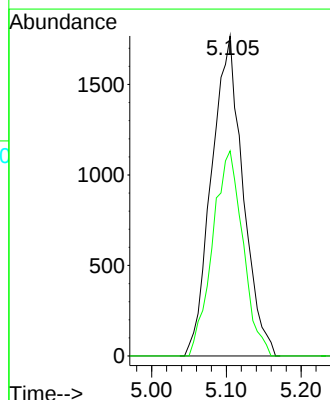
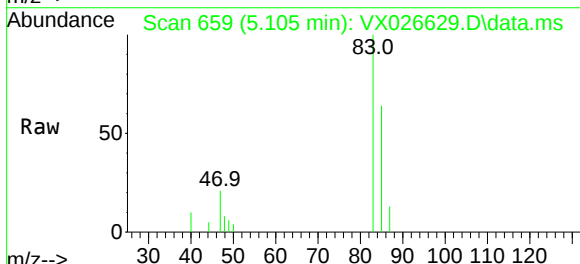
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ClientSampleId :
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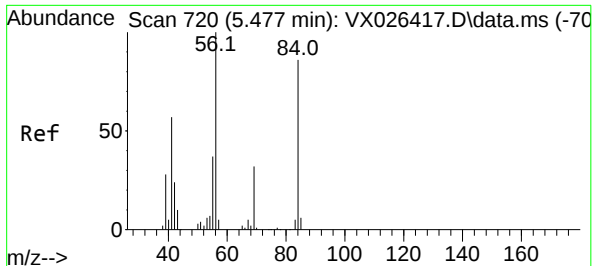
Tgt Ion: 49 Resp: 317
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.4 93.6#



#30
Chloroform
Concen: 1.817 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.006 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

Tgt Ion: 83 Resp: 5160
Ion Ratio Lower Upper
83 100
85 64.1 51.6 77.4

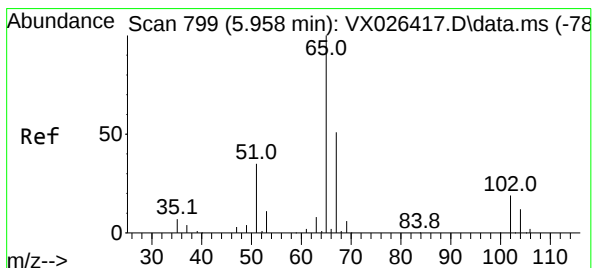
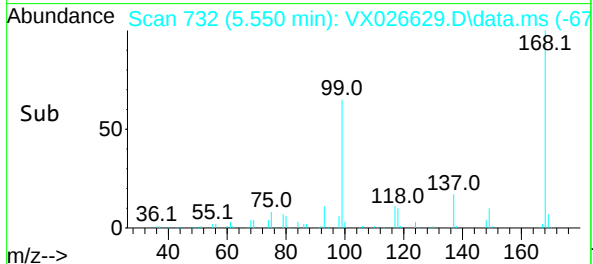
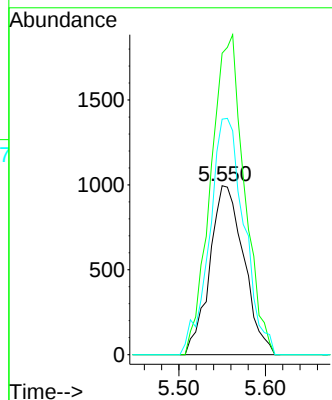
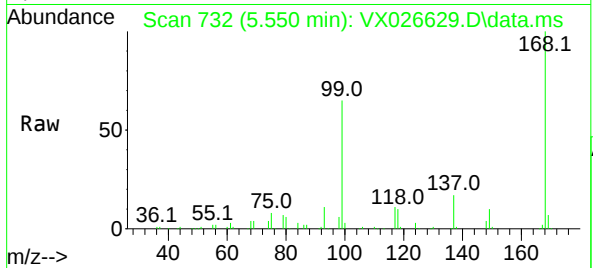




#31
Cyclohexane
Concen: 1.018 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

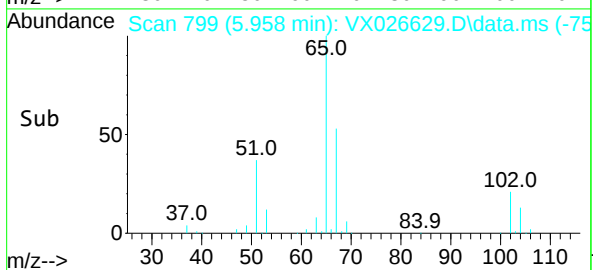
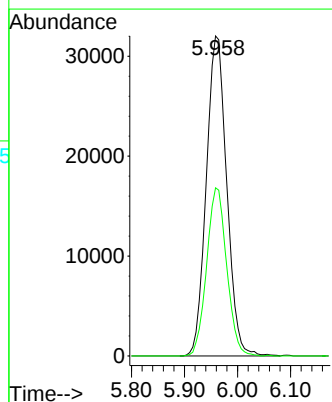
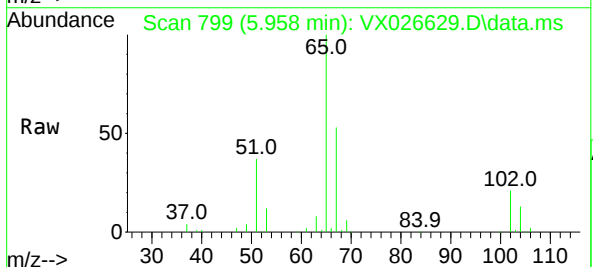
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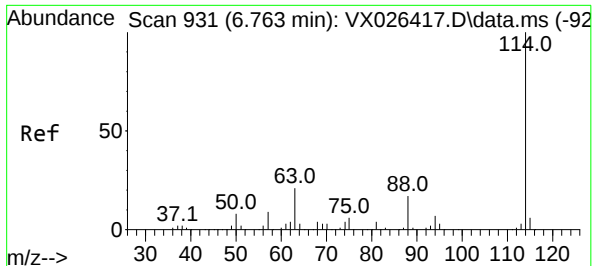
Tgt Ion: 56 Resp: 2722
Ion Ratio Lower Upper
56 100
69 178.5 25.8 38.6#
84 139.4 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 47.292 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

Tgt Ion: 65 Resp: 85707
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.8

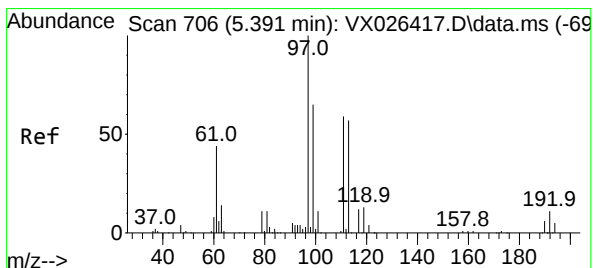
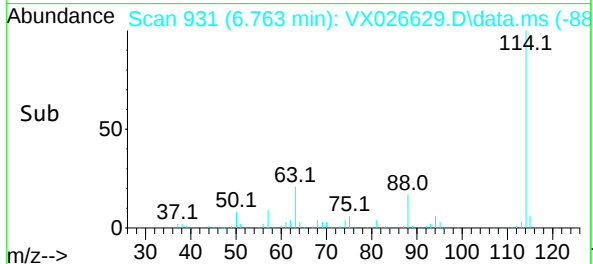
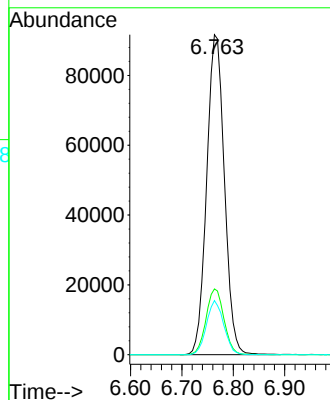
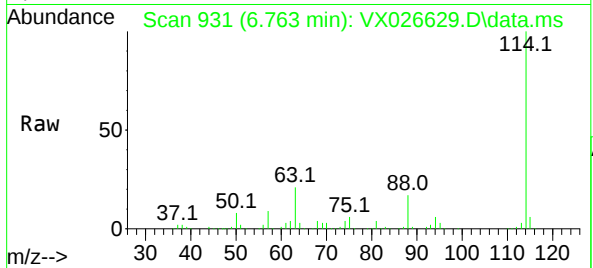




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

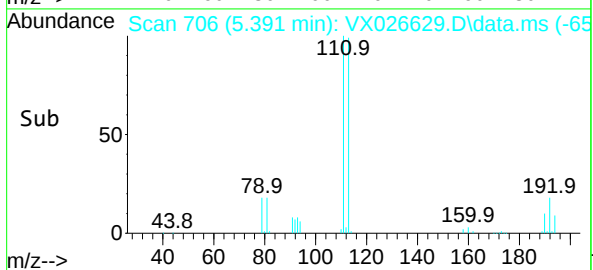
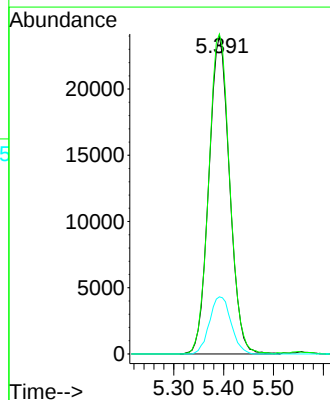
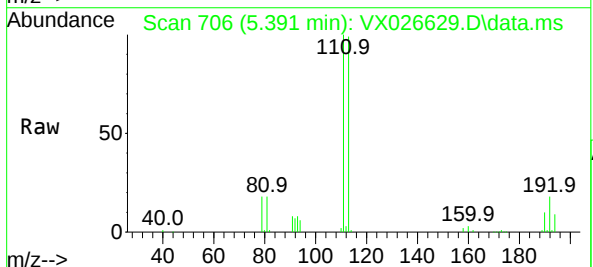
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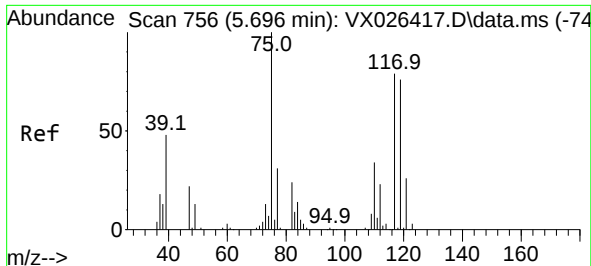
Tgt Ion:114 Resp: 219592
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.8
88 16.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.851 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

Tgt Ion:113 Resp: 69274
Ion Ratio Lower Upper
113 100
111 101.9 81.2 121.8
192 18.7 15.0 22.4





#36

1,1-Dichloropropene

Concen: 4.584 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX026629.D

Acq: 27 Jan 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

MW-16

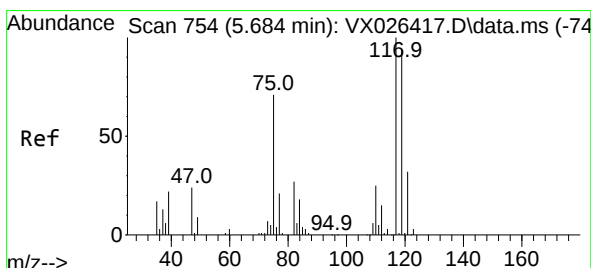
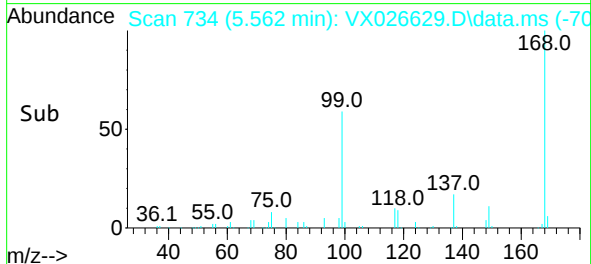
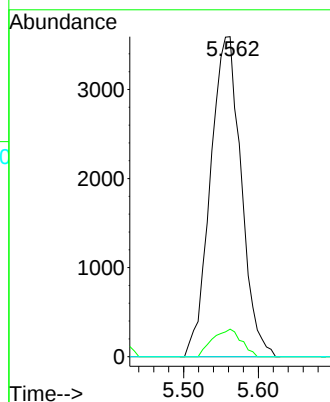
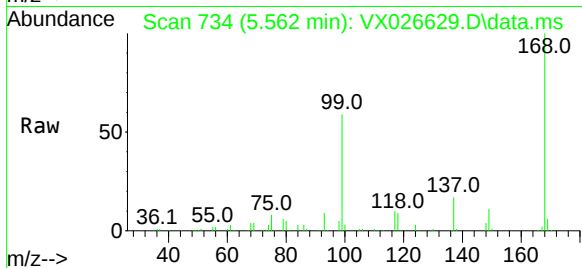
Tgt Ion: 75 Resp: 10262

Ion Ratio Lower Upper

75 100

110 8.0 17.2 51.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX026629.D

Acq: 27 Jan 2022 17:03

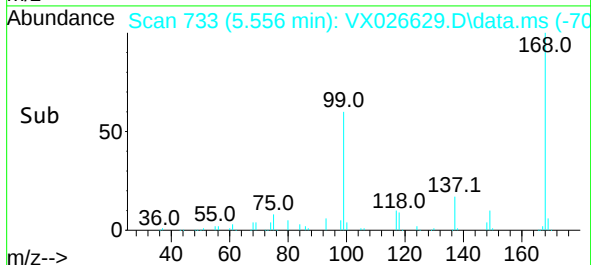
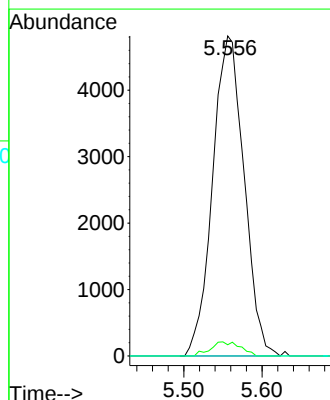
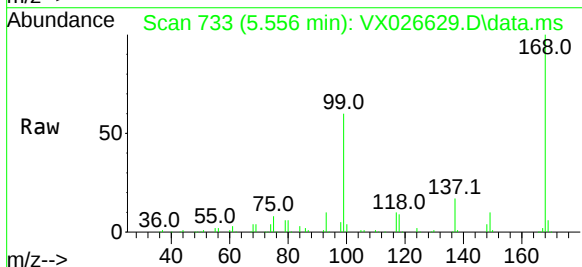
Tgt Ion: 117 Resp: 13419

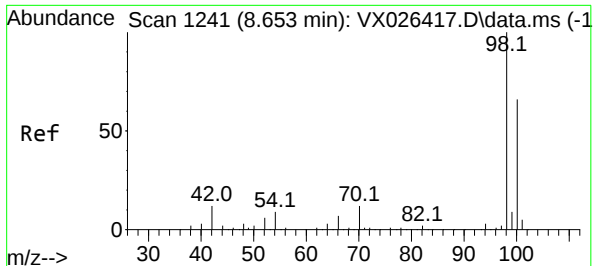
Ion Ratio Lower Upper

117 100

119 3.5 74.7 112.1#

121 0.0 25.4 38.0#

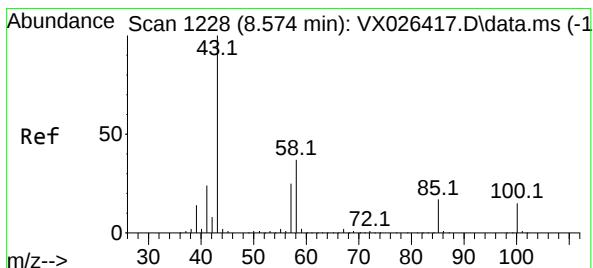
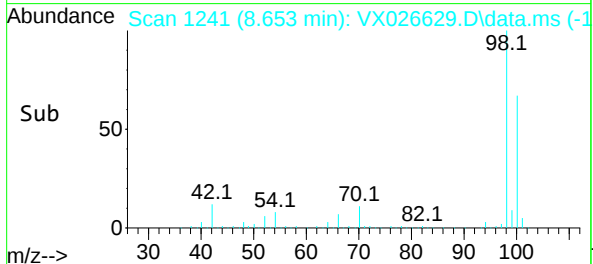
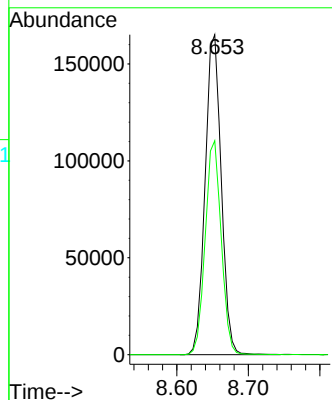
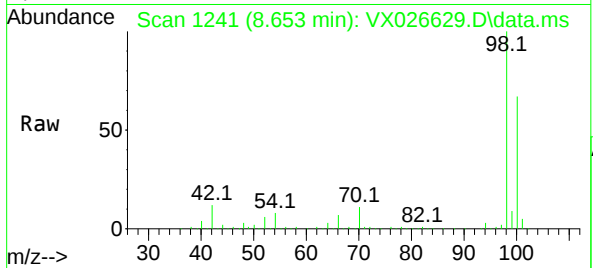




#50
Toluene-d8
Concen: 50.609 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

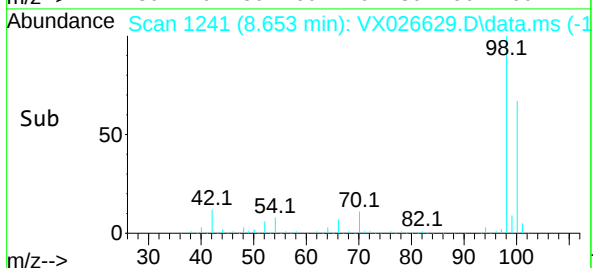
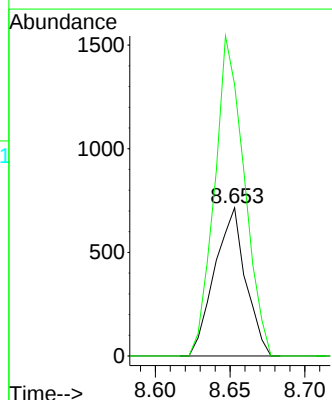
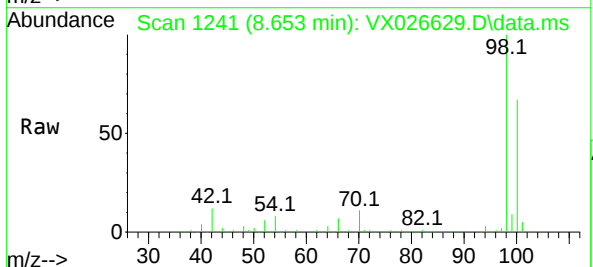
Instrument :
MSVOA_X
ClientSampleId :
MW-16

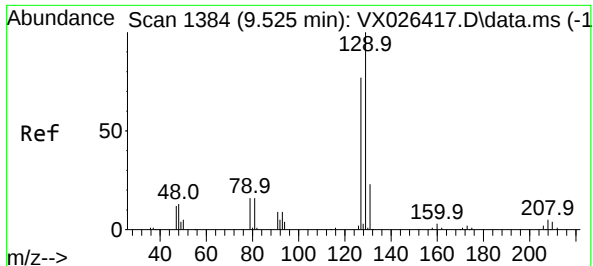
Tgt Ion: 98 Resp: 258615
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 0.477 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

Tgt Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
58 205.9 30.5 45.7#

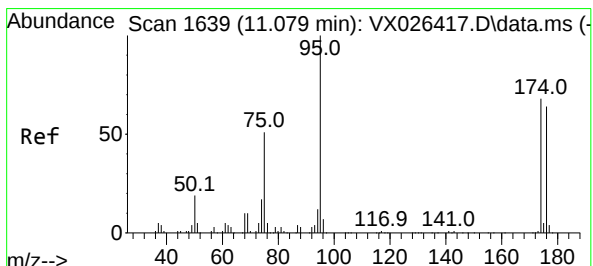
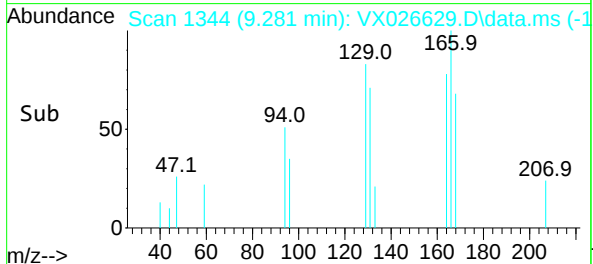
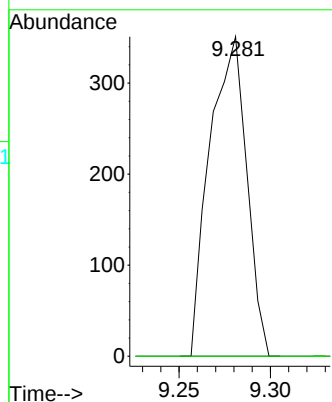
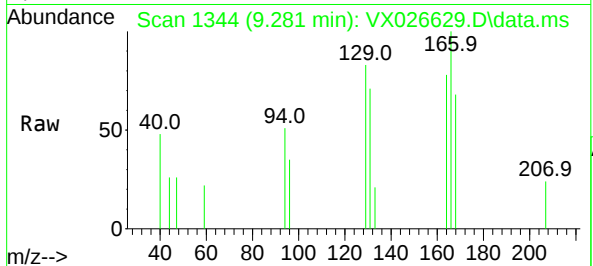




#60
Dibromochloromethane
Concen: 0.320 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

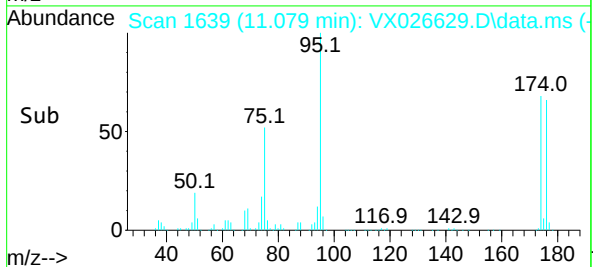
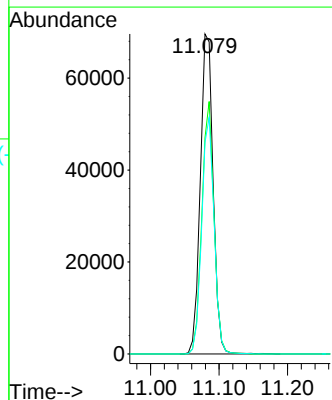
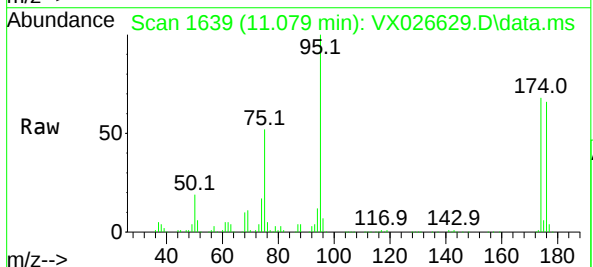
Instrument :
MSVOA_X
ClientSampleId :
MW-16

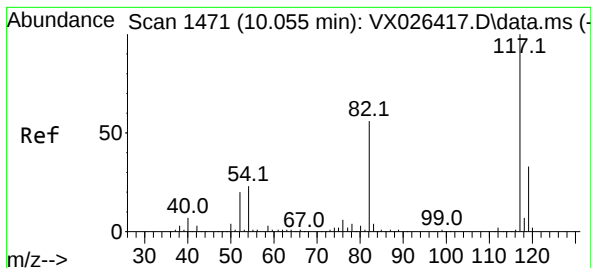
Tgt Ion:129 Resp: 493
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 50.000 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026629.D
Acq: 27 Jan 2022 17:03

Tgt Ion: 95 Resp: 90765
Ion Ratio Lower Upper
95 100
174 74.6 0.0 148.6
176 71.5 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026629.D

Acq: 27 Jan 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

MW-16

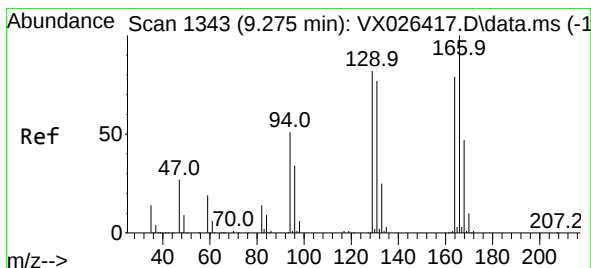
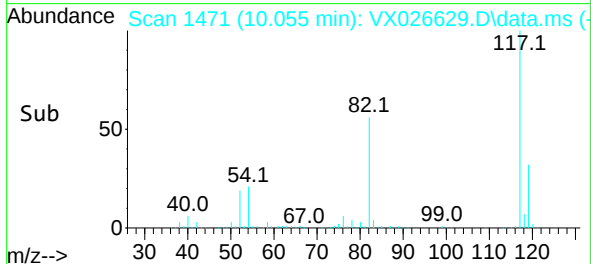
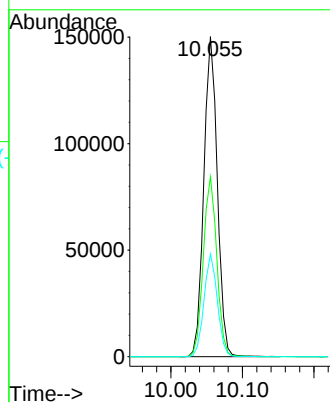
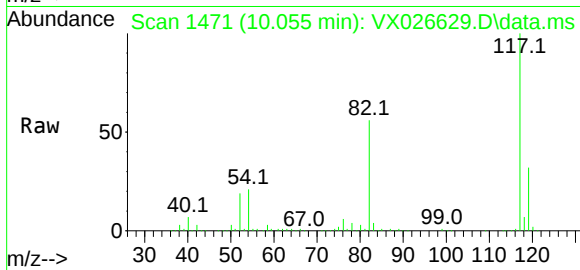
Tgt Ion:117 Resp: 197172

Ion Ratio Lower Upper

117 100

82 56.2 45.2 67.8

119 32.1 26.2 39.2



#64

Tetrachloroethene

Concen: 0.288 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX026629.D

Acq: 27 Jan 2022 17:03

Tgt Ion:164 Resp: 537

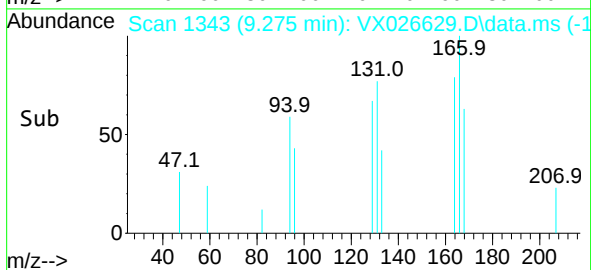
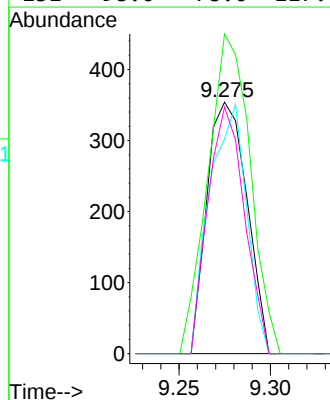
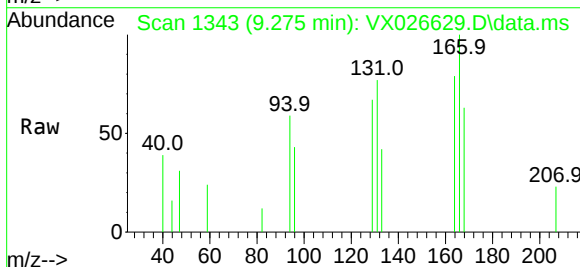
Ion Ratio Lower Upper

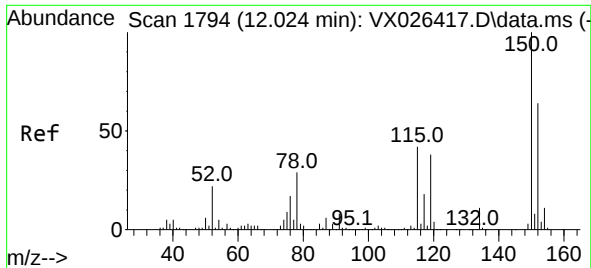
164 100

166 127.1 101.8 152.6

129 85.3 83.3 124.9

131 98.0 78.0 117.0

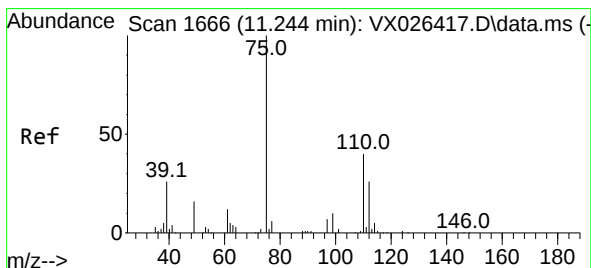
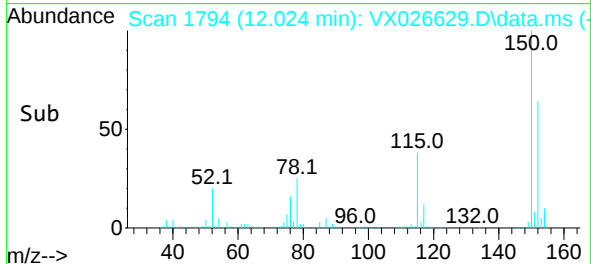
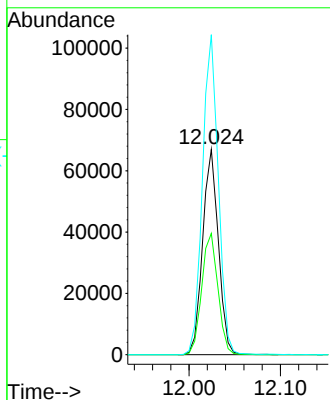
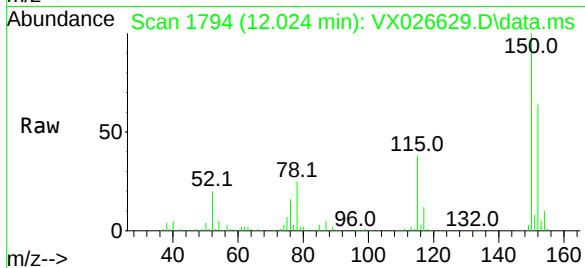




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026629.D
 Acq: 27 Jan 2022 17:03

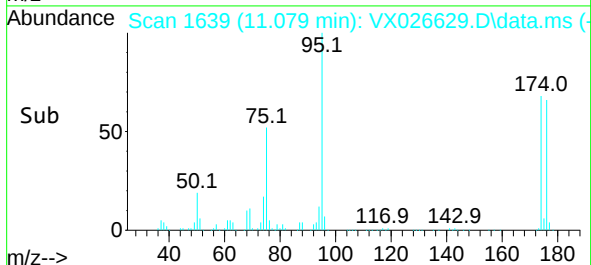
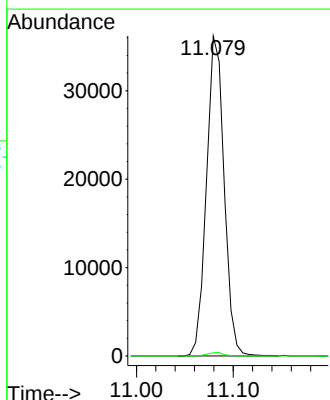
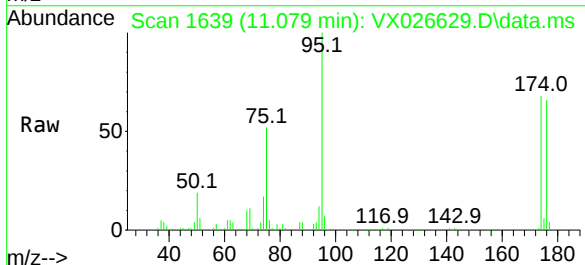
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

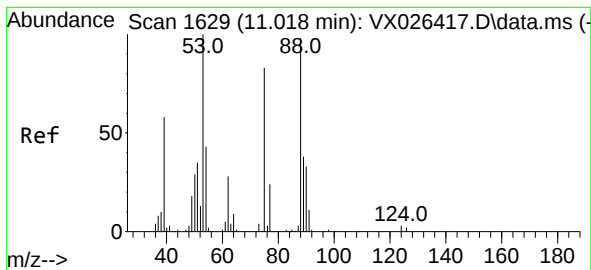
Tgt Ion:152 Resp: 79783
 Ion Ratio Lower Upper
 152 100
 115 60.8 44.2 132.6
 150 156.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 26.174 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX026629.D
 Acq: 27 Jan 2022 17:03

Tgt Ion: 75 Resp: 45978
 Ion Ratio Lower Upper
 75 100
 77 1.0 18.3 54.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.324 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026629.D
 Acq: 27 Jan 2022 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

Tgt Ion: 75 Resp: 45978
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

