

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031722\
 Data File : VX027498.D
 Acq On : 17 Mar 2022 19:46
 Operator : JC/MD
 Sample : N1997-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104S

Quant Time: Mar 18 02:06:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

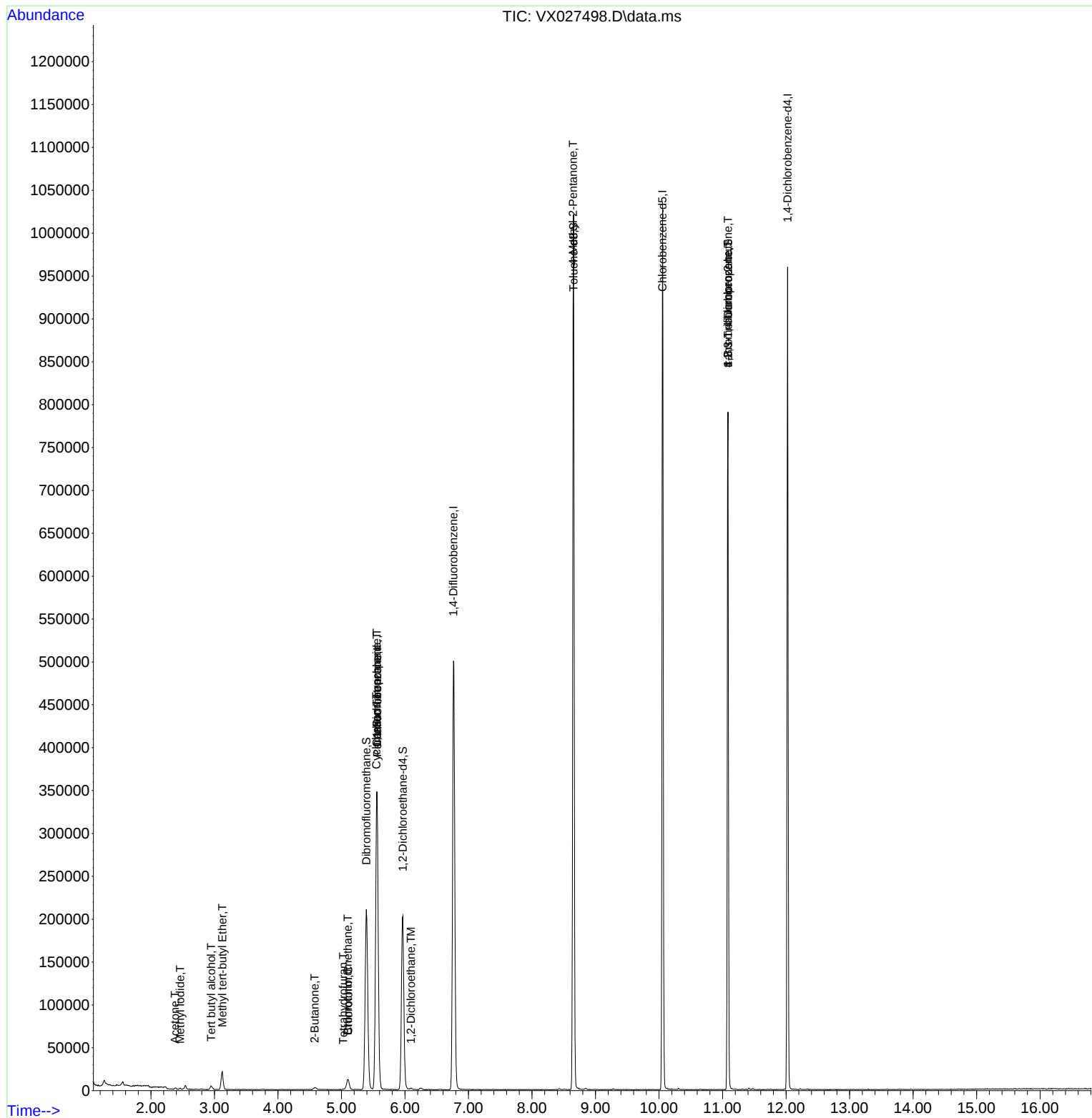
Internal Standards						
1) Pentafluorobenzene	5.562	168	347565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	533196	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	465391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	198535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	199774	46.658	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.320%
35) Dibromofluoromethane	5.391	113	185407	54.047	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.100%
50) Toluene-d8	8.653	98	618991	47.683	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.360%
62) 4-Bromofluorobenzene	11.085	95	212755	44.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.180%
Target Compounds			Qvalue			
5) Bromomethane	1.611	94	752	Below Cal		85
10) Methyl Iodide	2.459	142	1204	0.270 ug/l #		93
11) Tert butyl alcohol	2.946	59	2833	3.472 ug/l #		72
16) Acetone	2.379	43	1801	1.032 ug/l #		81
19) Methyl tert-butyl Ether	3.123	73	23240	2.134 ug/l		98
25) 2-Butanone	4.574	43	535	0.204 ug/l #		44
28) Bromochloromethane	5.098	49	1085	0.448 ug/l #		7
29) Tetrahydrofuran	5.025	42	420	0.249 ug/l #		50
30) Chloroform	5.105	83	15421	2.331 ug/l		90
31) Cyclohexane	5.550	56	5781	1.087 ug/l #		1
36) 1,1-Dichloropropene	5.556	75	23101	4.928 ug/l #		50
38) Carbon Tetrachloride	5.556	117	34208	6.378 ug/l #		16
42) 1,2-Dichloroethane	6.092	62	1348	0.267 ug/l		89
51) 4-Methyl-2-Pentanone	8.647	43	2479	0.517 ug/l #		1
76) 1,2,3-Trichloropropane	11.085	75	105442	25.391 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.085	75	105442	77.114 ug/l #		15

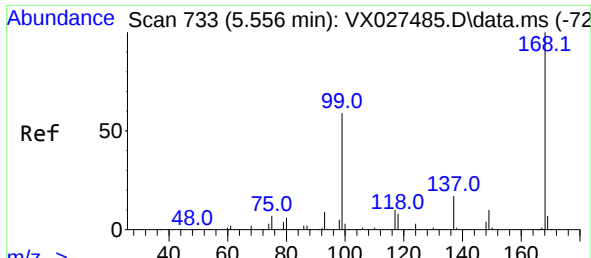
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-104S

Quant Time: Mar 18 02:06:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

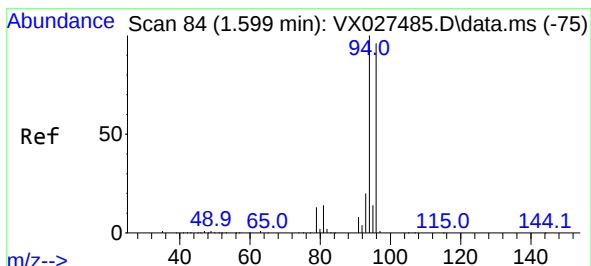
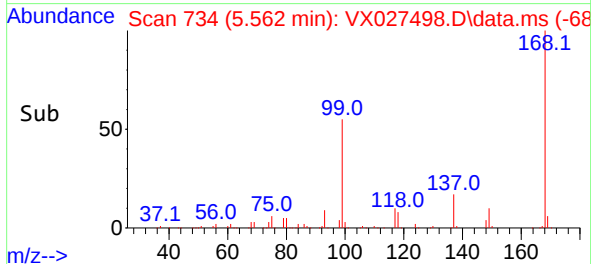
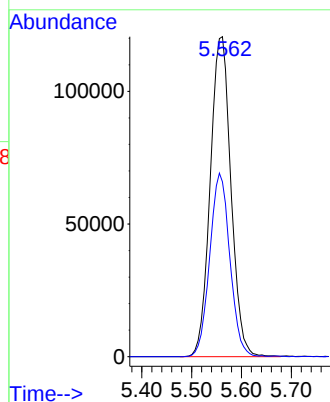
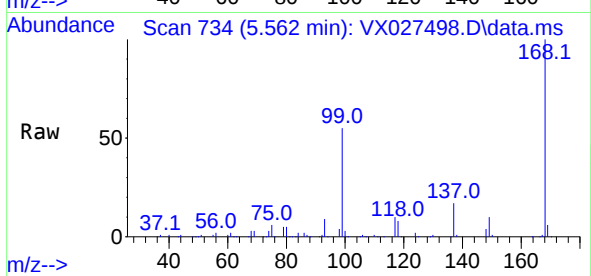




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

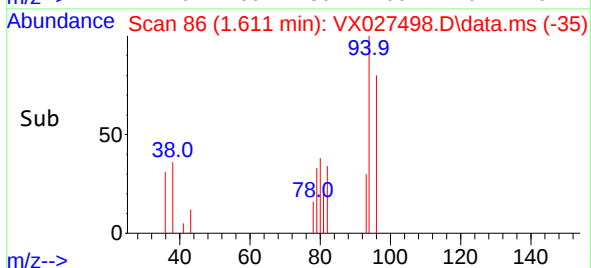
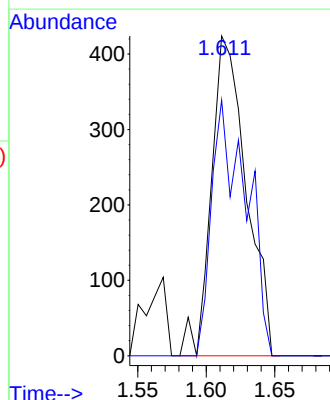
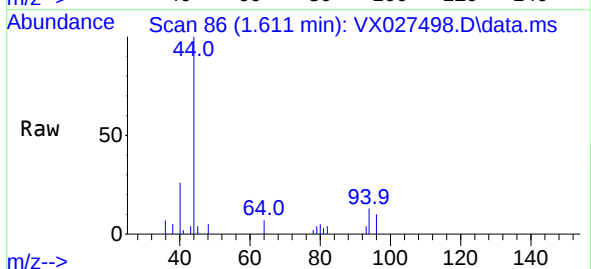
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

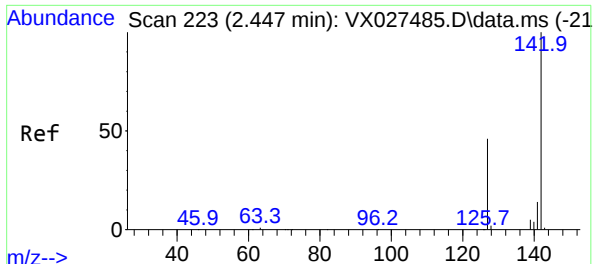
Tgt Ion:168 Resp: 347565
Ion Ratio Lower Upper
168 100
99 54.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 94 Resp: 752
Ion Ratio Lower Upper
94 100
96 80.0 75.3 112.9

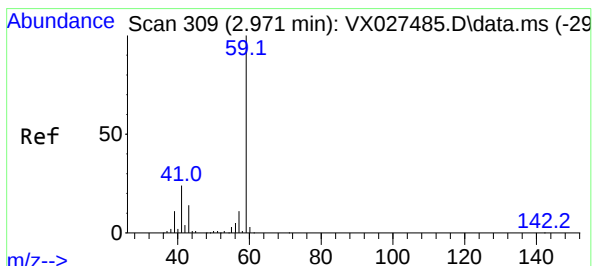
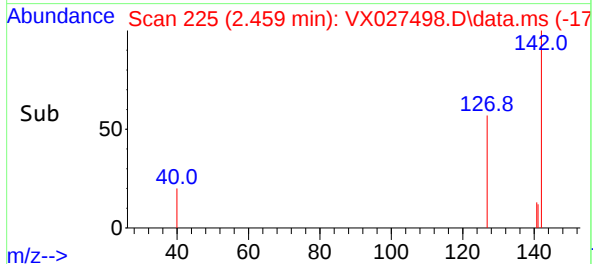
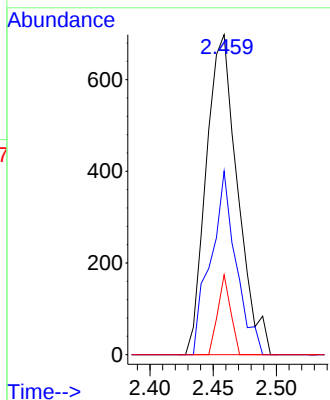
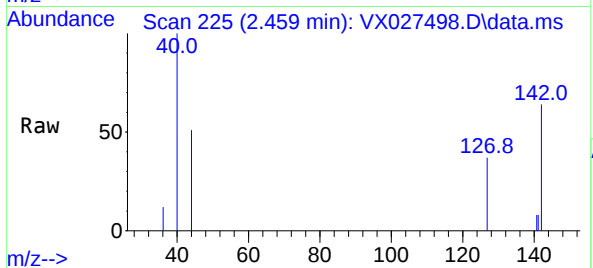




#10
Methyl Iodide
Concen: 0.270 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

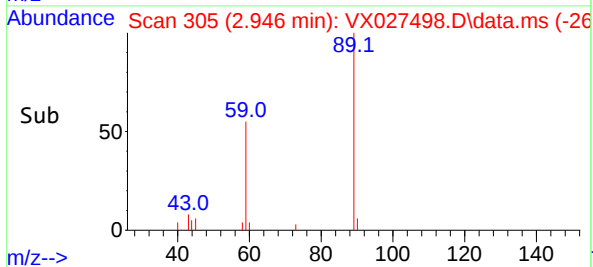
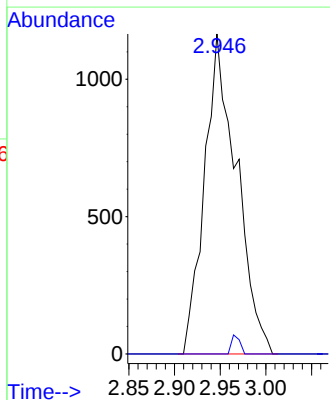
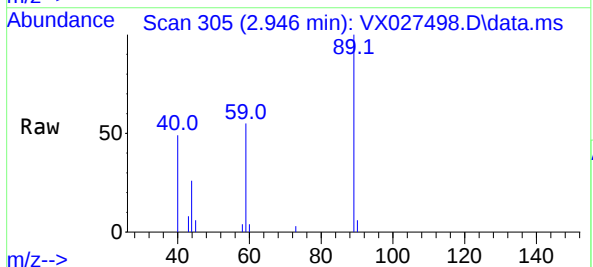
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

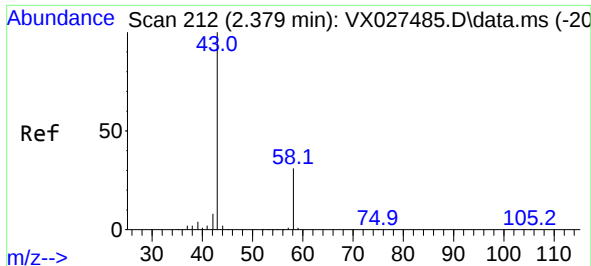
Tgt Ion:142 Resp: 1204
Ion Ratio Lower Upper
142 100
127 46.3 33.9 50.9
141 10.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.472 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 59 Resp: 2833
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

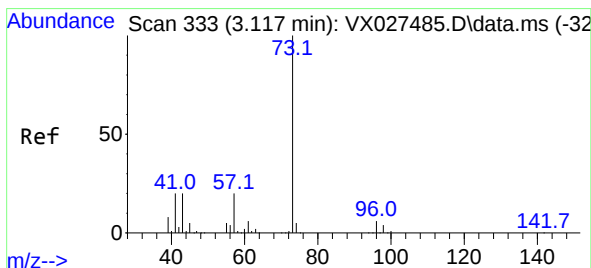
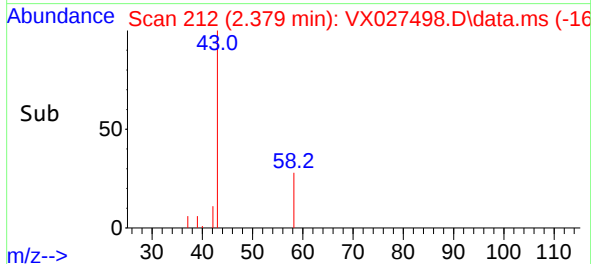
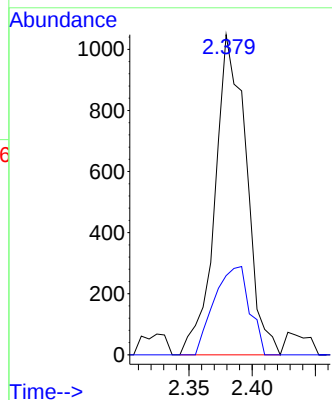
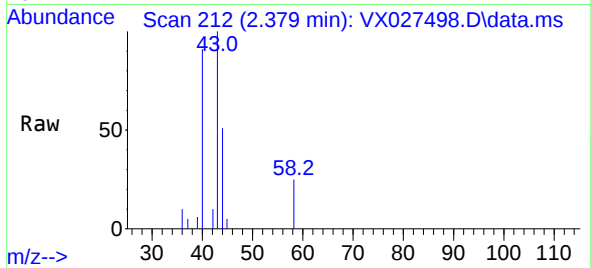




#16
Acetone
Concen: 1.032 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

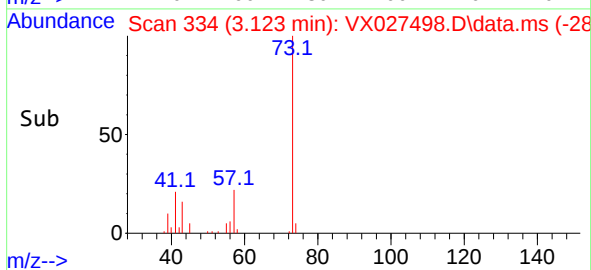
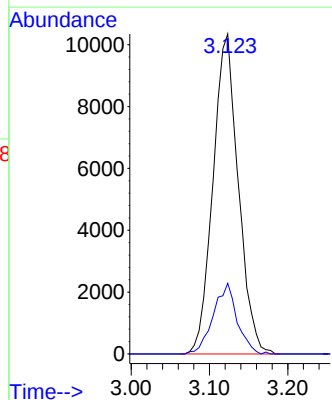
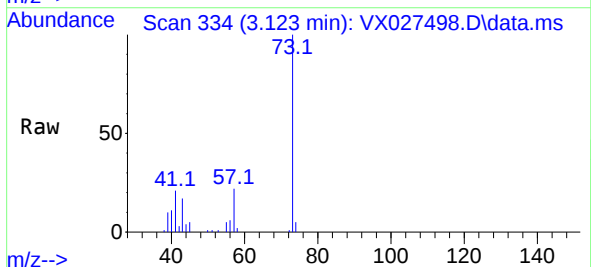
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

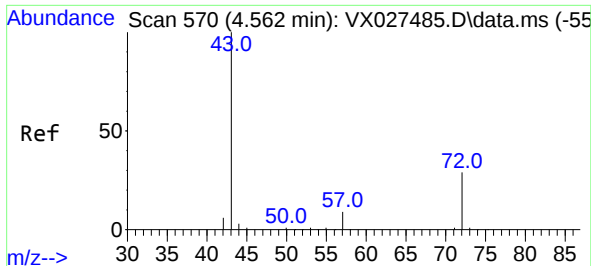
Tgt Ion: 43 Resp: 1801
Ion Ratio Lower Upper
43 100
58 24.7 28.8 43.2#



#19
Methyl tert-butyl Ether
Concen: 2.134 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 73 Resp: 23240
Ion Ratio Lower Upper
73 100
57 22.1 16.8 25.2

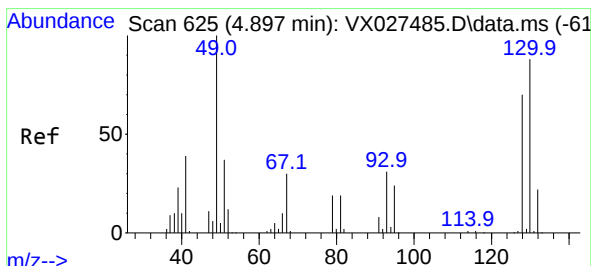
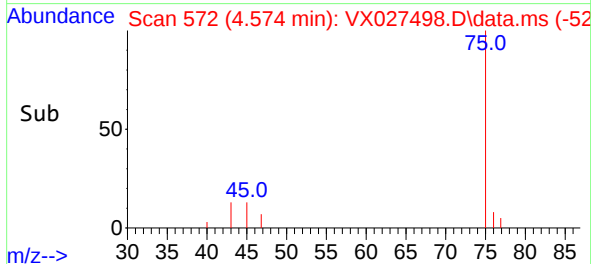
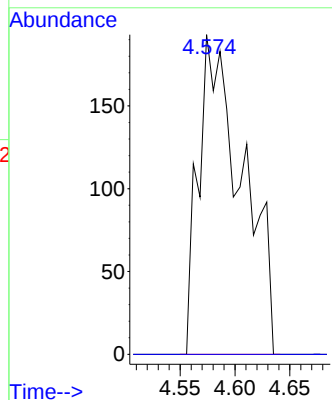
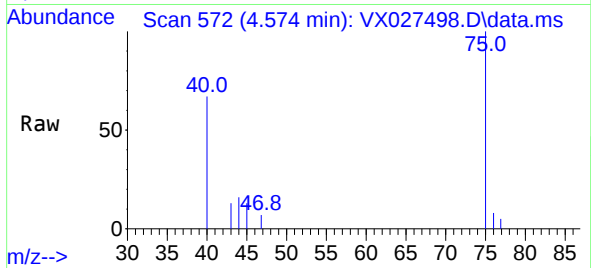




#25
2-Butanone
Concen: 0.204 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

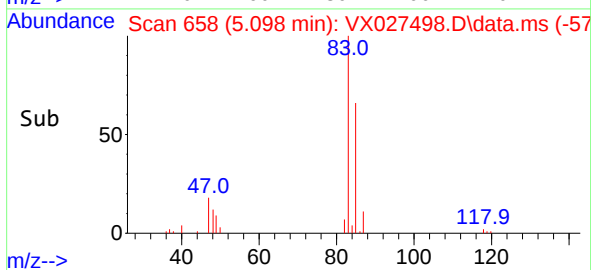
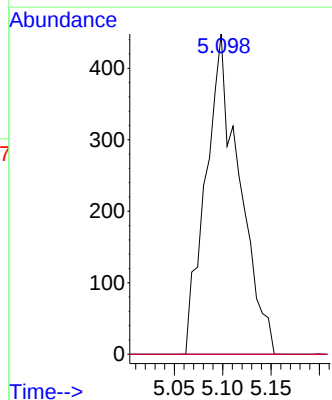
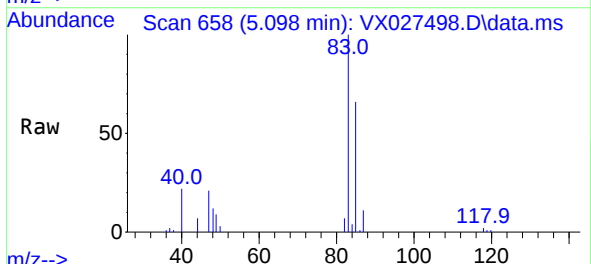
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

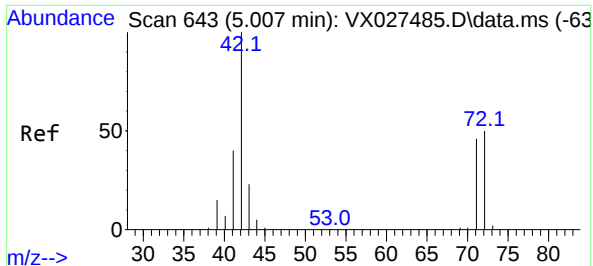
Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#28
Bromochloromethane
Concen: 0.448 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.201 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 49 Resp: 1085
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 70.7 106.1#





#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX027498.D

Acq: 17 Mar 2022 19:46

Instrument :

MSVOA_X

ClientSampleId :

MW-104S

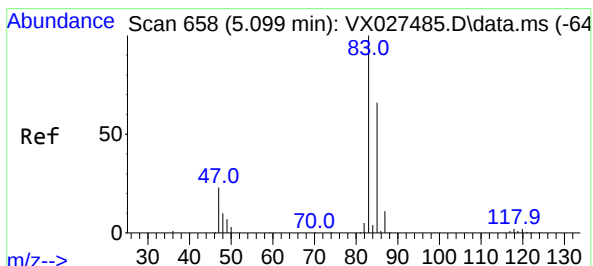
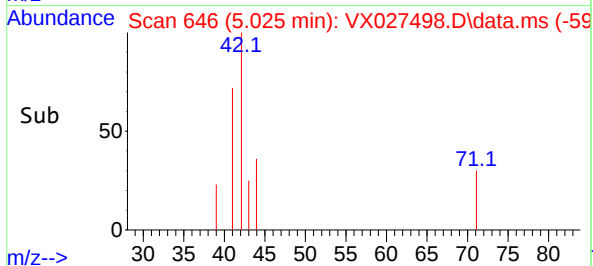
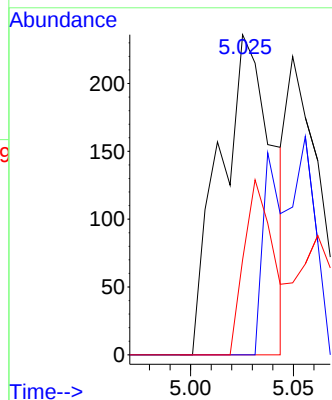
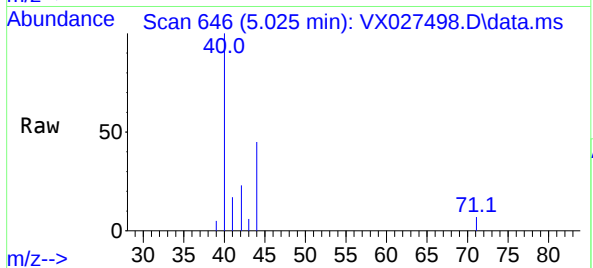
Tgt Ion: 42 Resp: 420

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 35.0 40.5 60.7#



#30

Chloroform

Concen: 2.331 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX027498.D

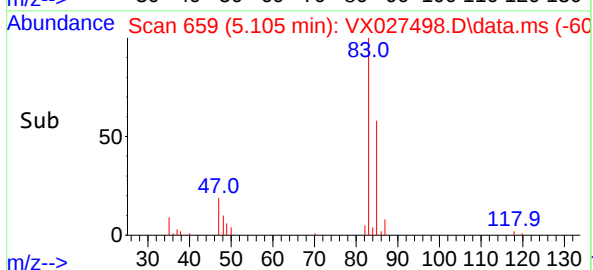
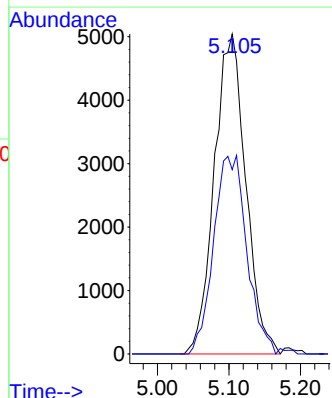
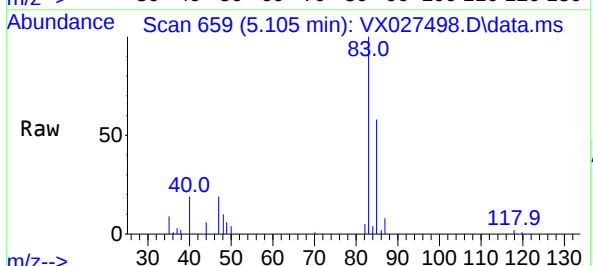
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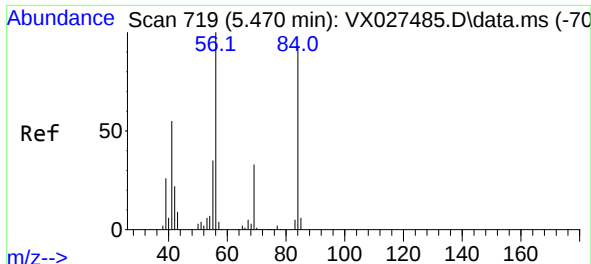
Tgt Ion: 83 Resp: 15421

Ion Ratio Lower Upper

83 100

85 57.6 52.7 79.1

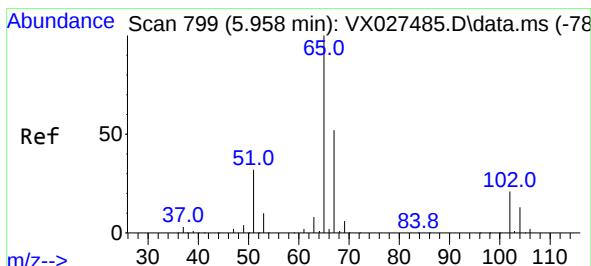
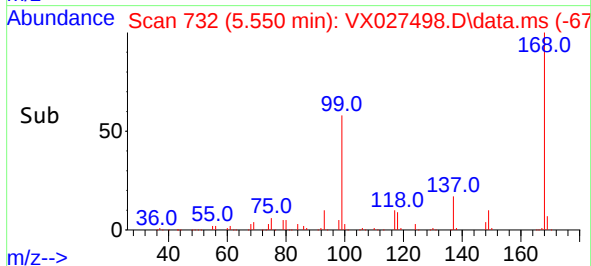
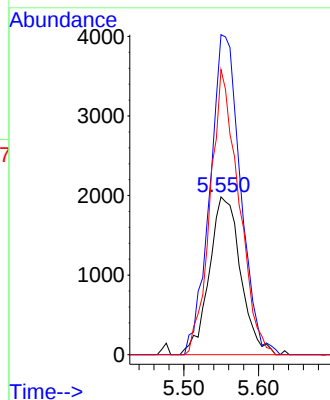
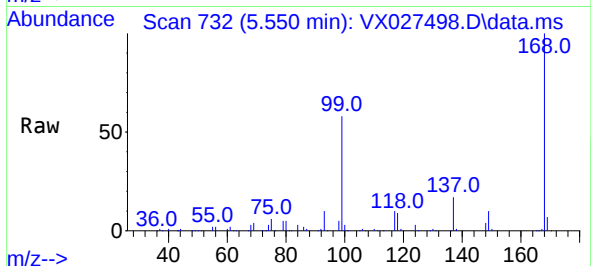




#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

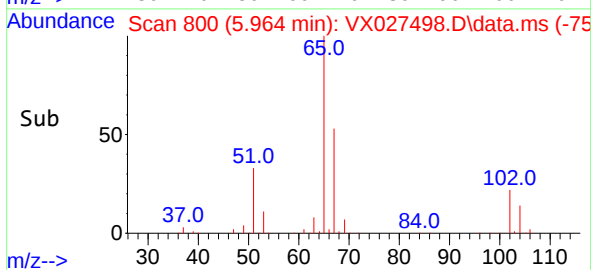
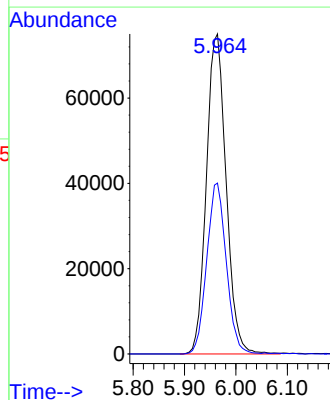
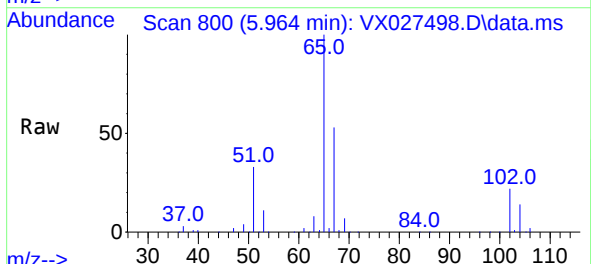
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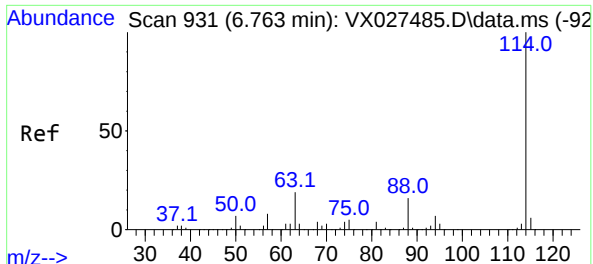
Tgt Ion: 56 Resp: 5781
Ion Ratio Lower Upper
56 100
69 202.8 26.7 40.1#
84 180.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.658 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 65 Resp: 199774
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4

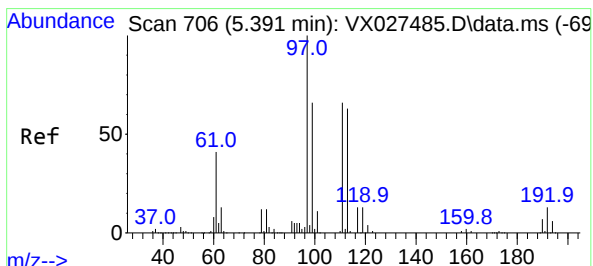
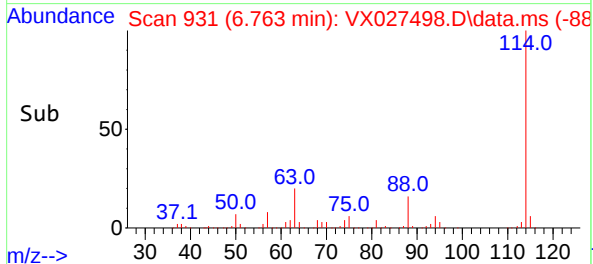
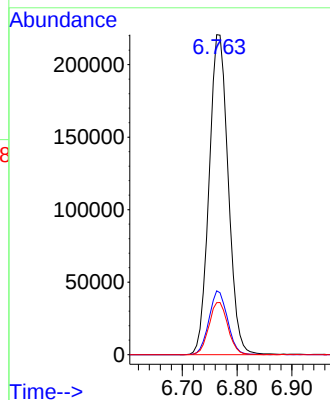
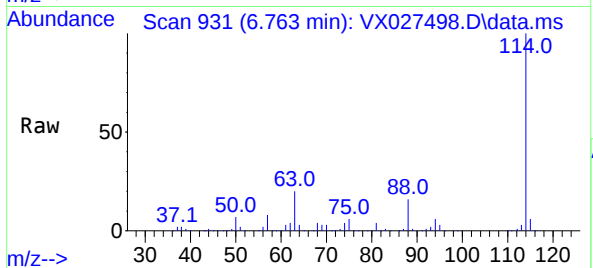




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

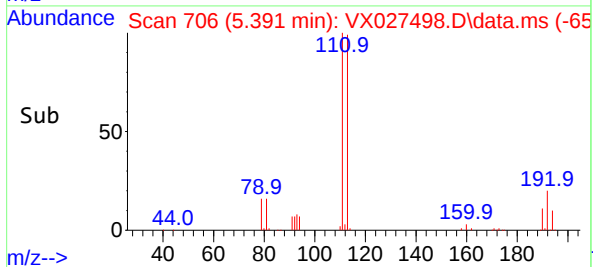
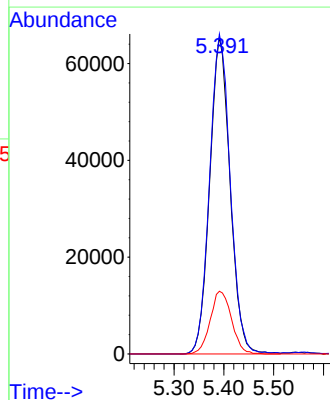
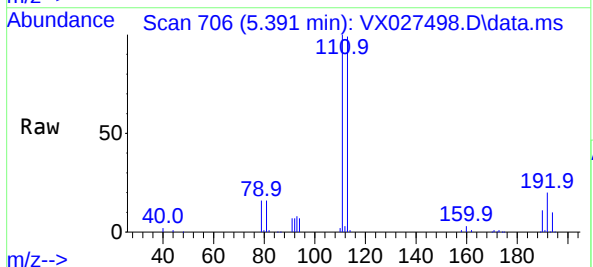
Instrument :
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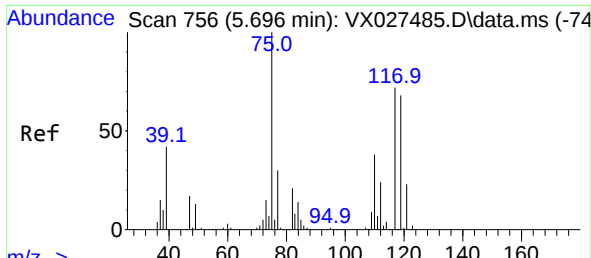
Tgt Ion:114 Resp: 533196
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.047 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion:113 Resp: 185407
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 20.7 16.9 25.3

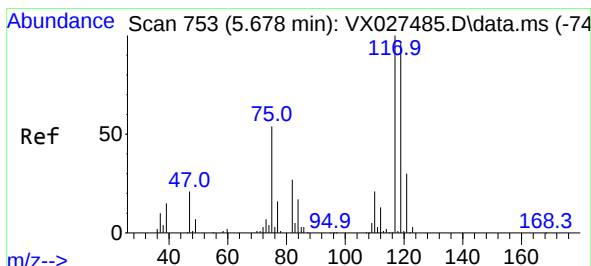
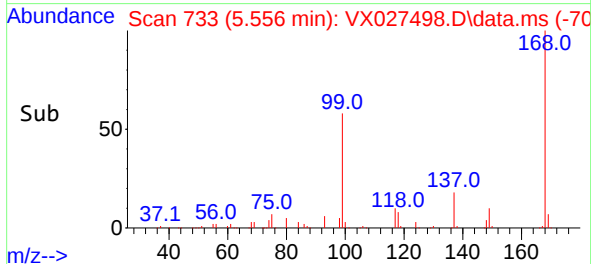
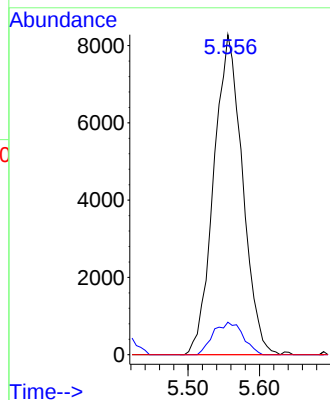
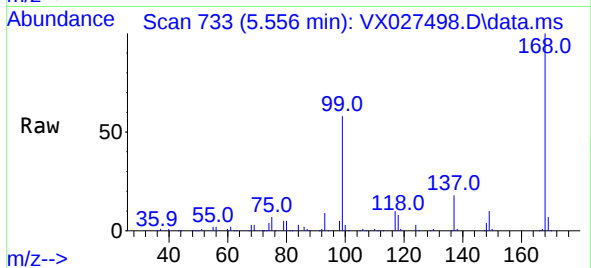




#36
1,1-Dichloropropene
Concen: 4.928 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

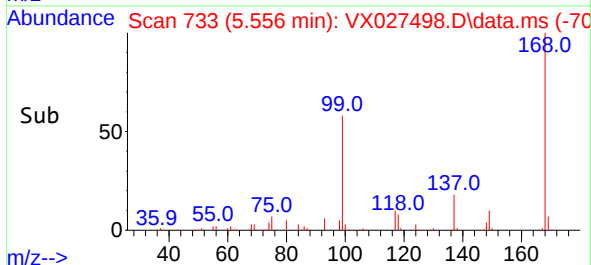
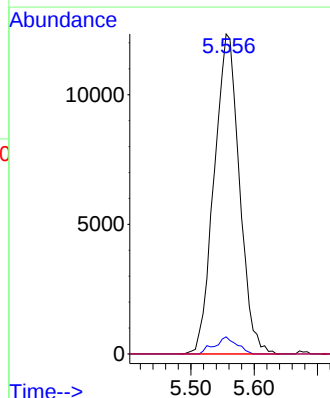
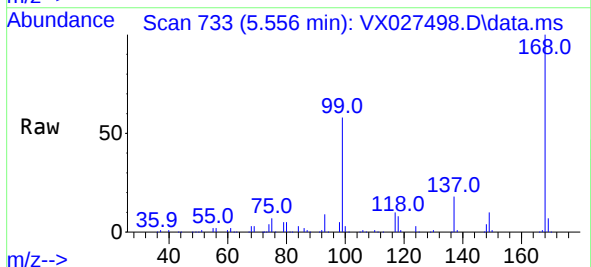
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

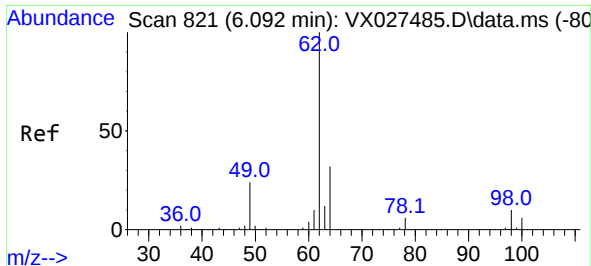
Tgt Ion: 75 Resp: 23101
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.378 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 117 Resp: 34208
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.267 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.000 min

Lab File: VX027498.D

Acq: 17 Mar 2022 19:46

Instrument :

MSVOA_X

ClientSampleId :

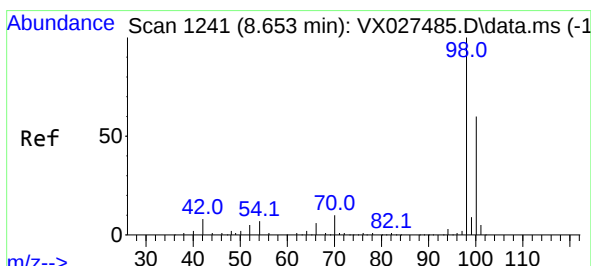
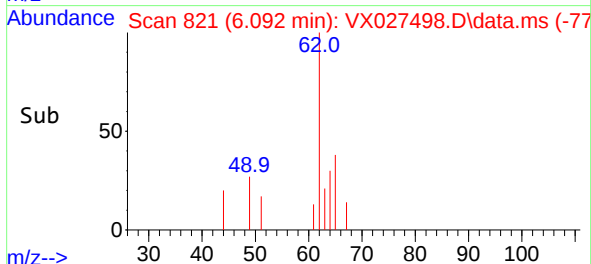
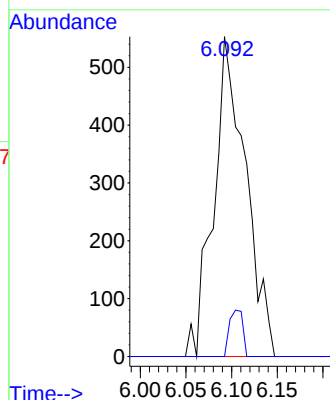
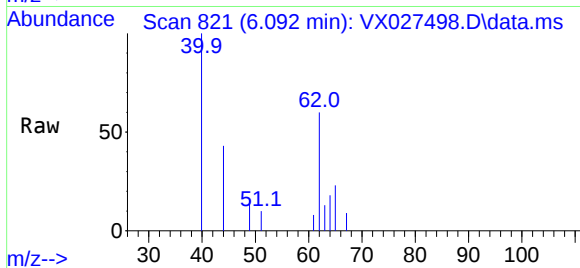
MW-104S

Tgt Ion: 62 Resp: 1348

Ion Ratio Lower Upper

62 100

98 6.1 0.0 20.4



#50

Toluene-d8

Concen: 47.683 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027498.D

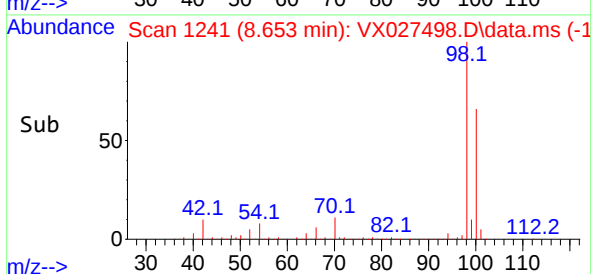
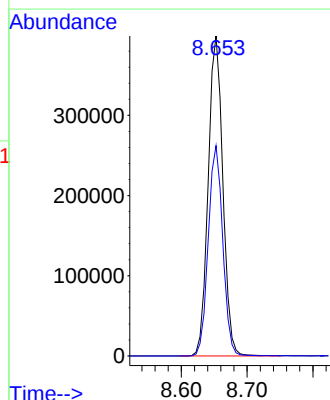
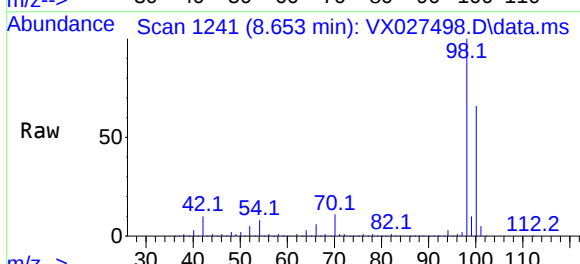
Acq: 17 Mar 2022 19:46

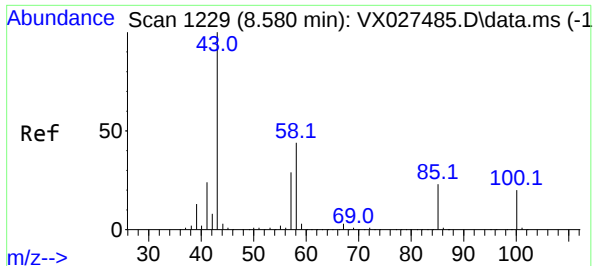
Tgt Ion: 98 Resp: 618991

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.517 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX027498.D

Acq: 17 Mar 2022 19:46

Instrument :

MSVOA_X

ClientSampleId :

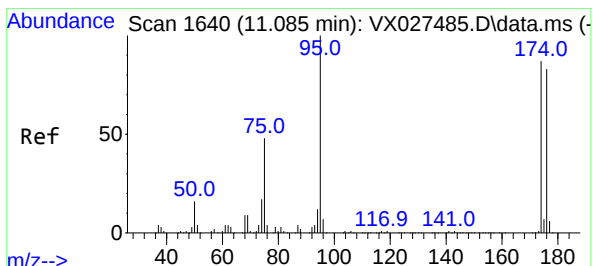
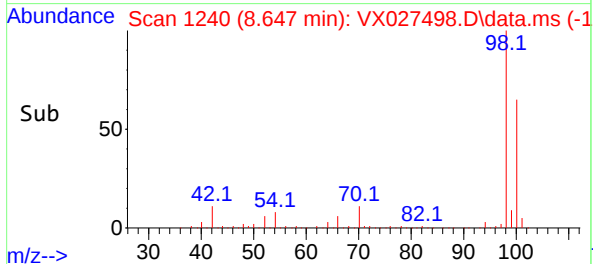
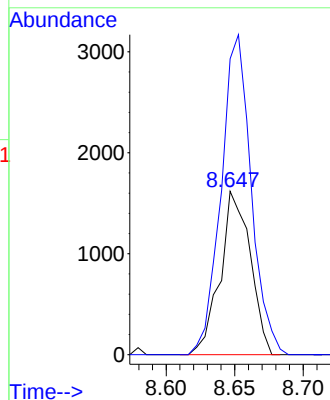
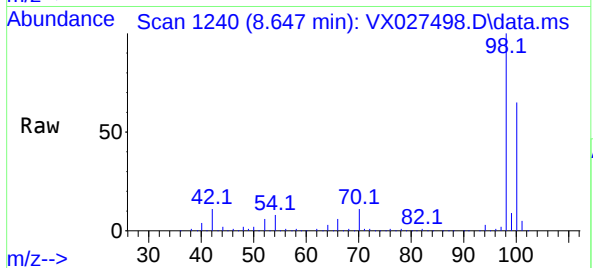
MW-104S

Tgt Ion: 43 Resp: 2479

Ion Ratio Lower Upper

43 100

58 195.5 36.1 54.1#



#62

4-Bromofluorobenzene

Concen: 44.590 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX027498.D

Acq: 17 Mar 2022 19:46

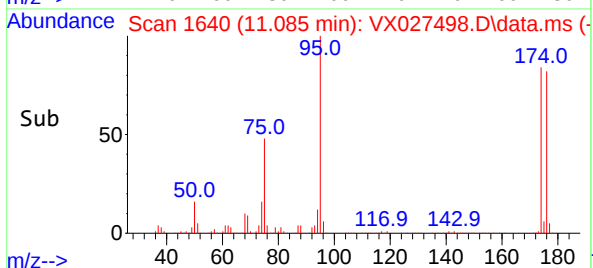
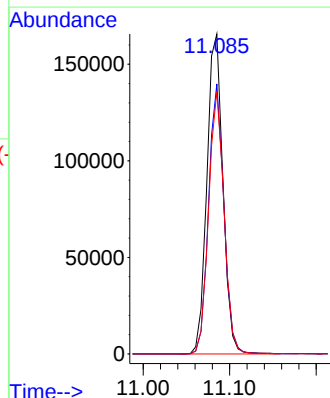
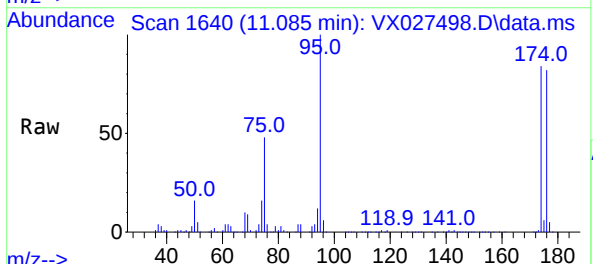
Tgt Ion: 95 Resp: 212755

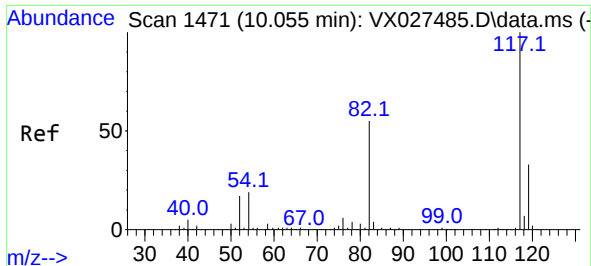
Ion Ratio Lower Upper

95 100

174 80.9 0.0 163.0

176 79.3 0.0 155.0

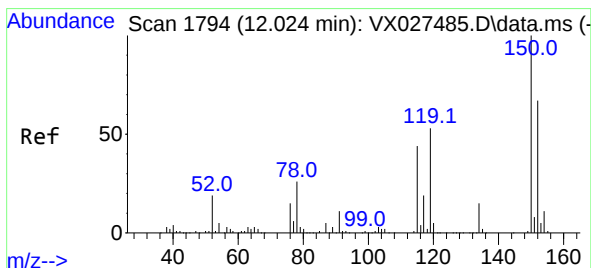
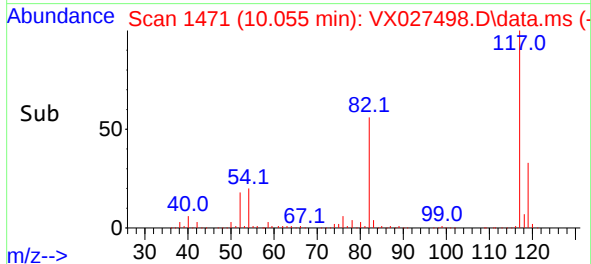
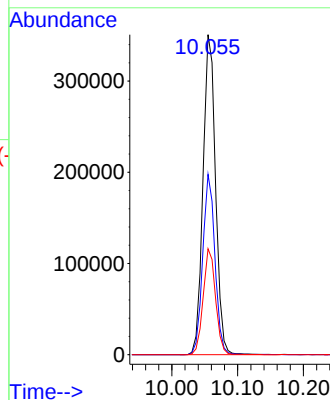
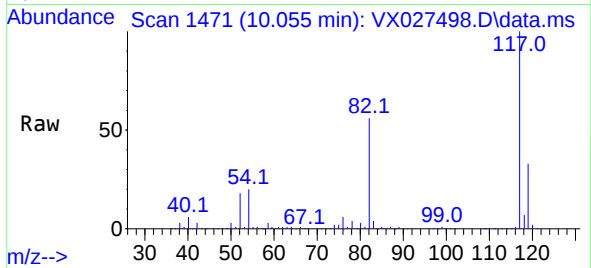




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

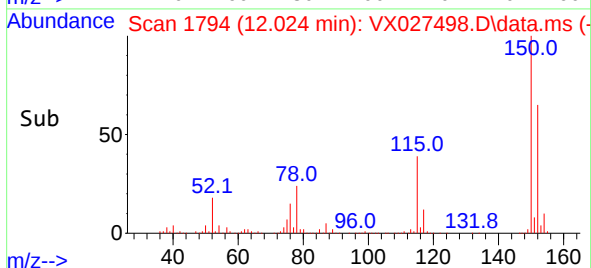
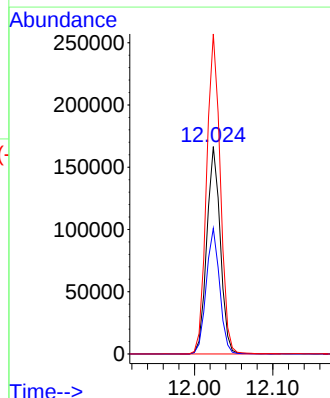
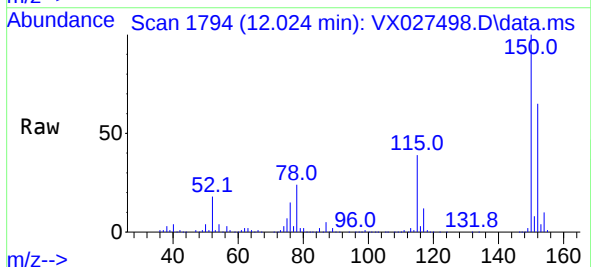
Instrument :
MSVOA_X
ClientSampleId :
MW-104S

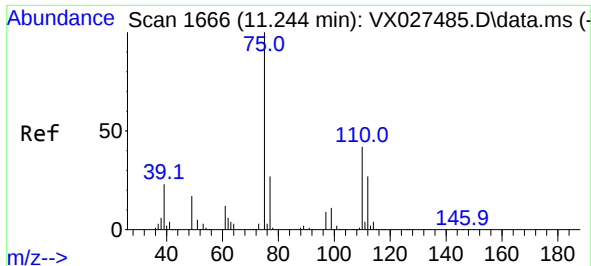
Tgt Ion:117 Resp: 465391
Ion Ratio Lower Upper
117 100
82 56.3 41.8 62.8
119 33.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion:152 Resp: 198535
Ion Ratio Lower Upper
152 100
115 60.2 37.5 112.7
150 156.6 0.0 338.2

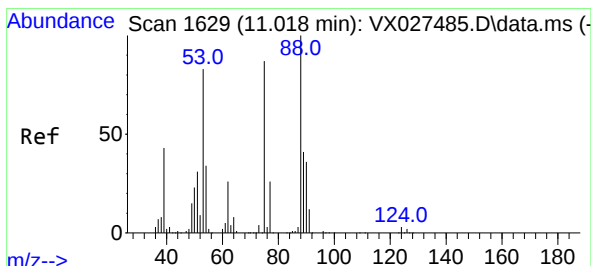
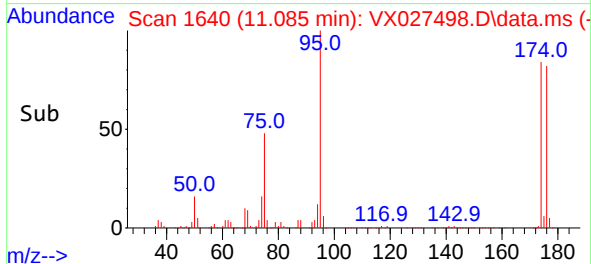
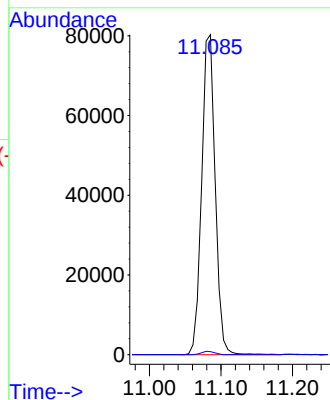
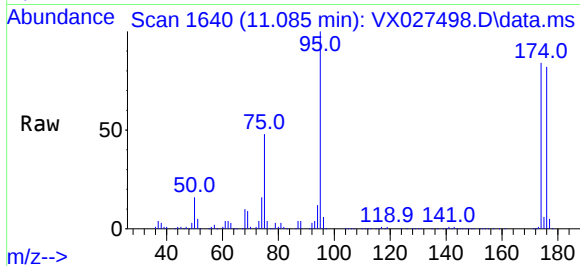




#76
1,2,3-Trichloropropane
Concen: 25.391 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Instrument :
MSVOA_X
ClientSampleId :
MW-104S

Tgt Ion: 75 Resp: 105442
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.114 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027498.D
Acq: 17 Mar 2022 19:46

Tgt Ion: 75 Resp: 105442
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

