

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030829.D
 Acq On : 26 Aug 2022 17:02
 Operator : JC/MD
 Sample : N4262-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102S

Quant Time: Aug 27 02:40:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	206153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	345274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	303733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121684	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	132219	54.525	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.060%
35) Dibromofluoromethane	5.391	113	110382	52.018	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.040%
50) Toluene-d8	8.653	98	407136	55.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.120%
62) 4-Bromofluorobenzene	11.085	95	130019	47.229	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.460%

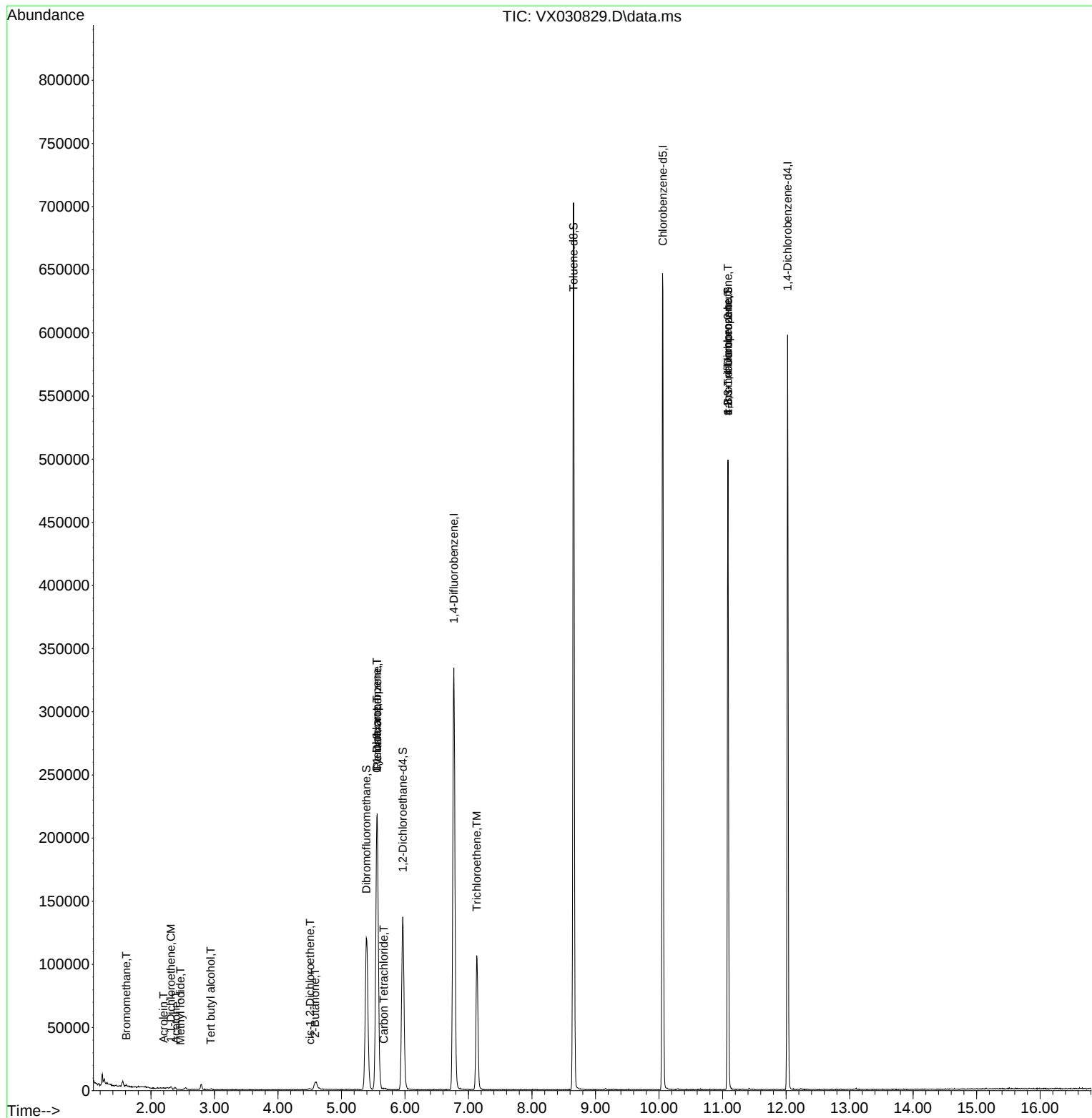
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.294	50	456	Below Cal		91
5) Bromomethane	1.611	94	208	0.217	ug/l #	58
6) Chloroethane	1.733	64	33	Below Cal	#	41
10) Methyl Iodide	2.465	142	64	4.065	ug/l #	45
11) Tert butyl alcohol	2.940	59	406	0.771	ug/l #	74
12) 1,1-Dichloroethene	2.313	96	456	0.244	ug/l #	87
13) Acrolein	2.197	56	50	10.155	ug/l	94
16) Acetone	2.392	43	1569	1.400	ug/l #	86
17) Carbon Disulfide	2.508	76	316	Below Cal	#	74
25) 2-Butanone	4.587	43	548	0.304	ug/l	94
27) cis-1,2-Dichloroethene	4.507	96	623	0.251	ug/l #	17
31) Cyclohexane	5.556	56	4235	1.366	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17281	5.980	ug/l #	49
38) Carbon Tetrachloride	5.666	117	743	0.244	ug/l #	56
44) Trichloroethene	7.129	130	41625	16.666	ug/l	99
76) 1,2,3-Trichloropropane	11.085	75	65880	24.712	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	65880	79.731	ug/l #	13

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

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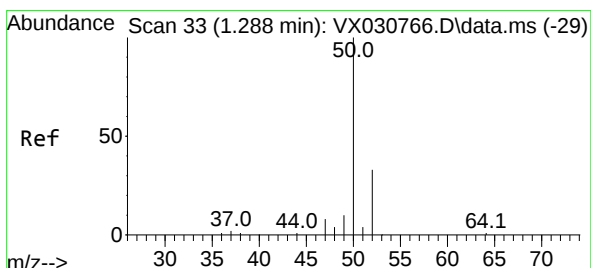
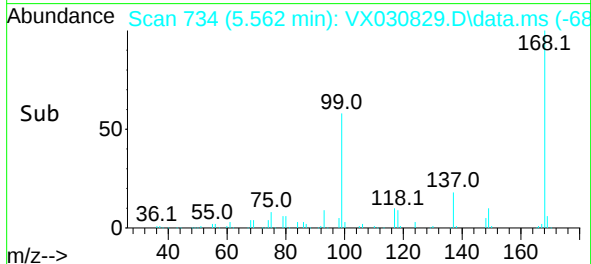
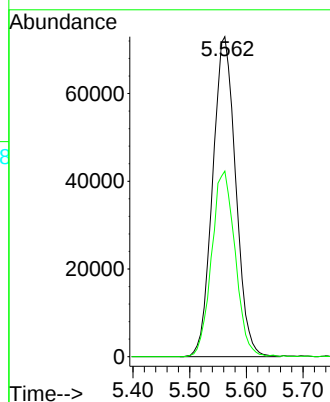
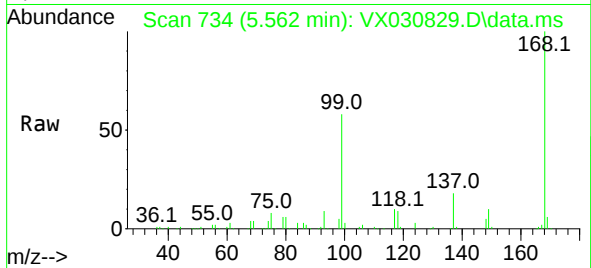




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

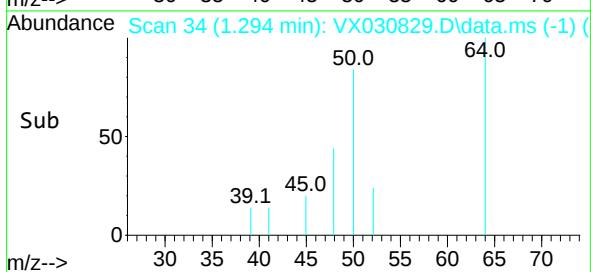
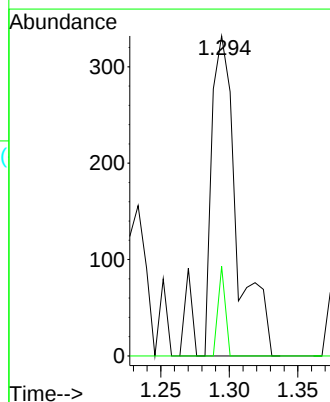
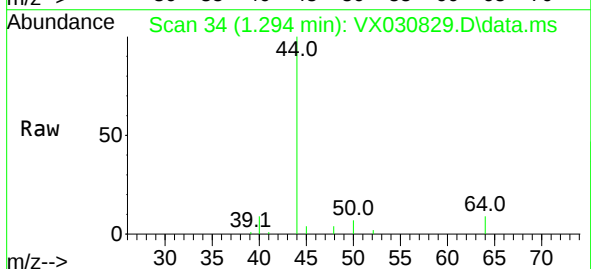
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

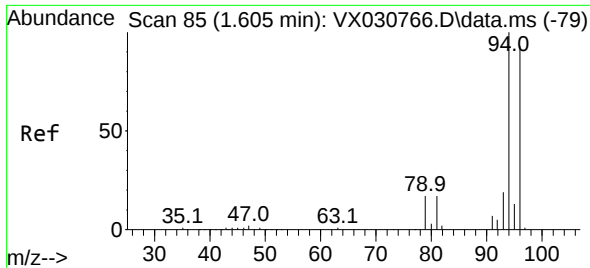
Tgt Ion:168 Resp: 206153
Ion Ratio Lower Upper
168 100
99 58.0 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 50 Resp: 456
Ion Ratio Lower Upper
50 100
52 28.0 26.3 39.5

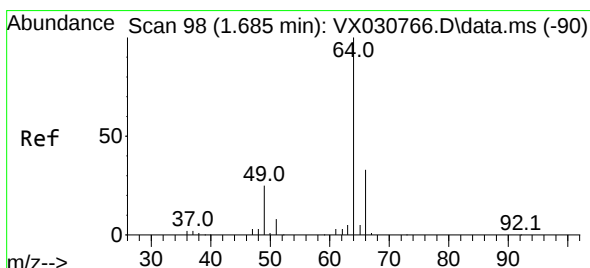
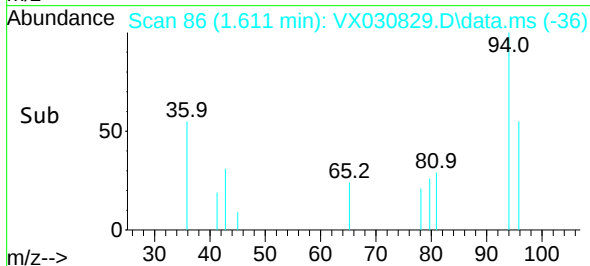
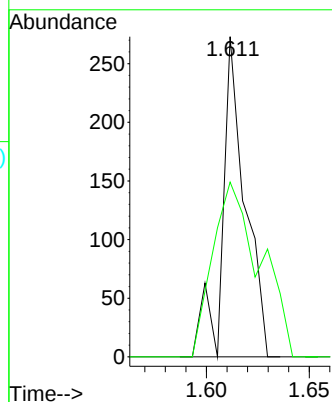
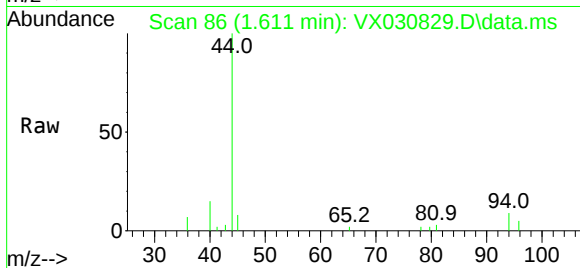




#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

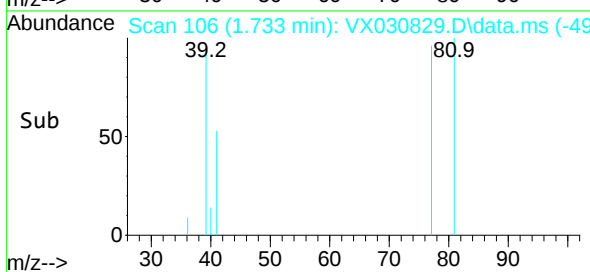
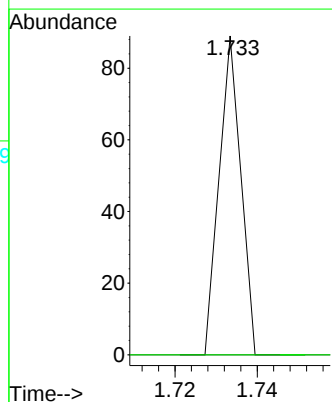
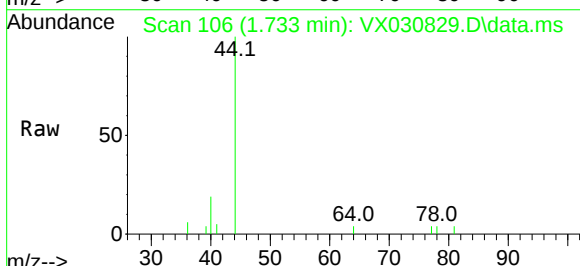
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

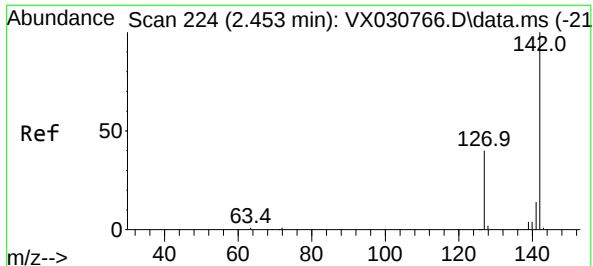
Tgt Ion: 94 Resp: 208
Ion Ratio Lower Upper
94 100
96 54.6 76.9 115.3#



#6
Chloroethane
Concen: Below Cal
RT: 1.733 min Scan# 106
Delta R.T. 0.048 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 64 Resp: 33
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

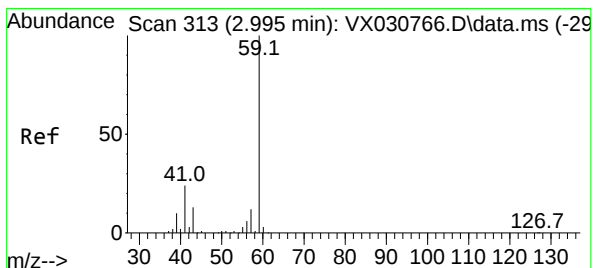
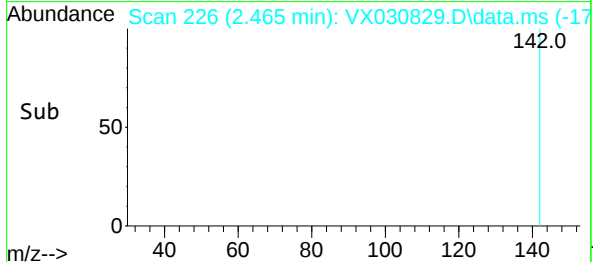
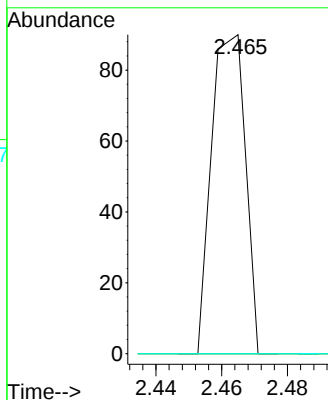
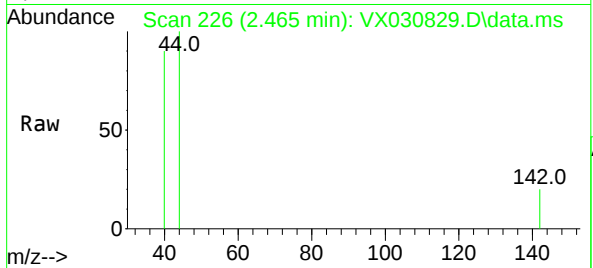




#10
Methyl Iodide
Concen: 4.065 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

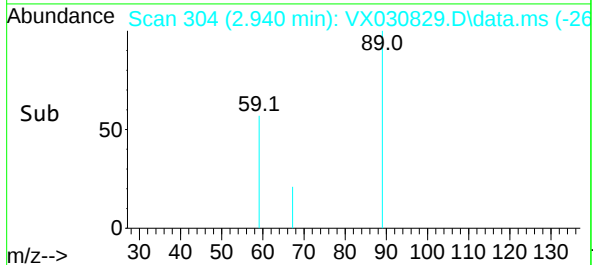
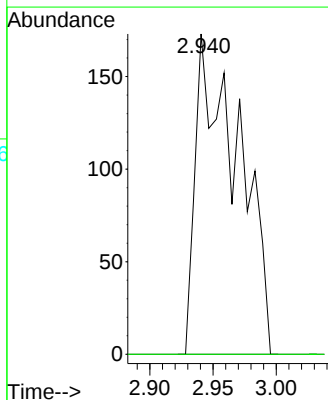
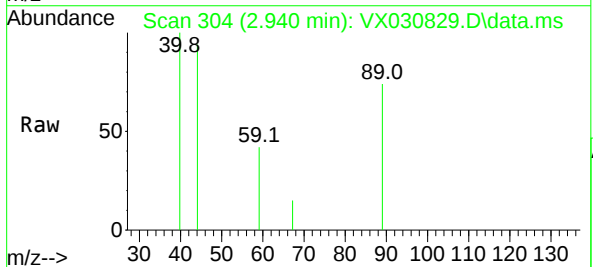
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

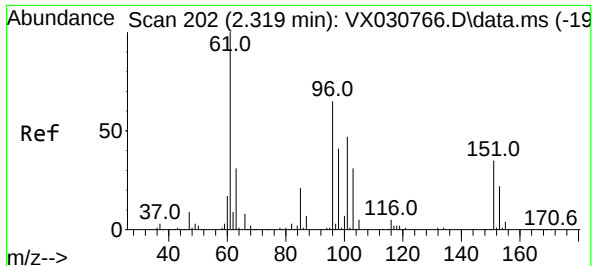
Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.771 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 0.244 ug/l

RT: 2.313 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX030829.D

Acq: 26 Aug 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

MW-102S

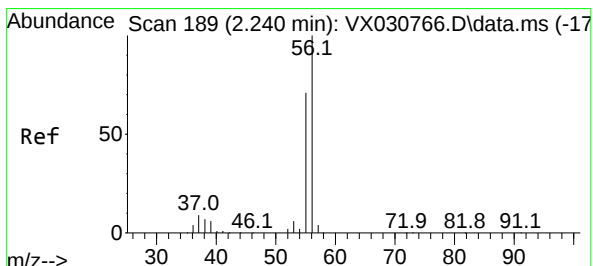
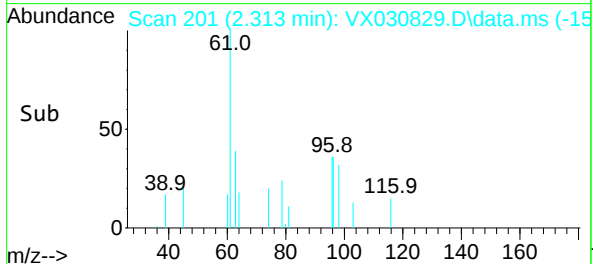
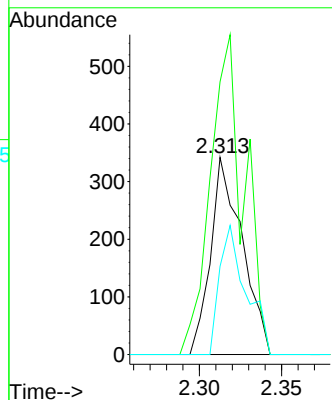
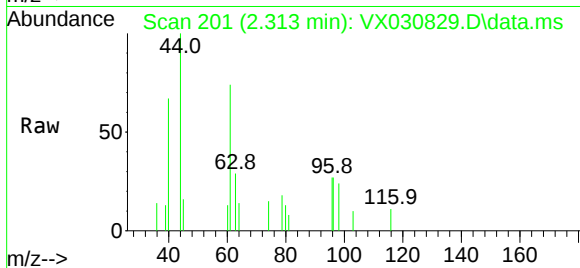
Tgt Ion: 96 Resp: 456

Ion Ratio Lower Upper

96 100

61 138.3 117.4 176.0

98 44.7 52.2 78.4#



#13

Acrolein

Concen: 10.155 ug/l

RT: 2.197 min Scan# 182

Delta R.T. -0.043 min

Lab File: VX030829.D

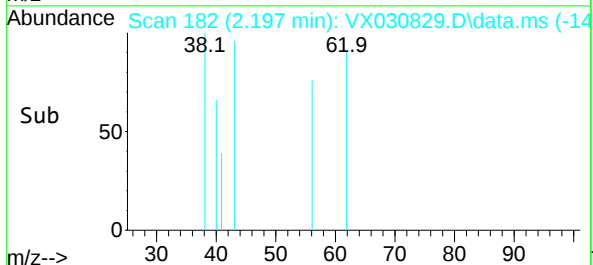
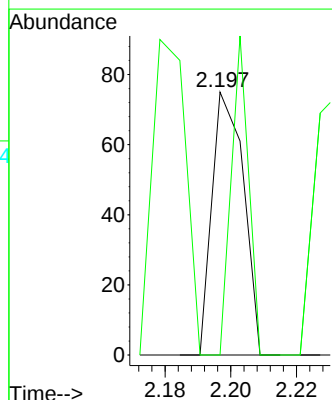
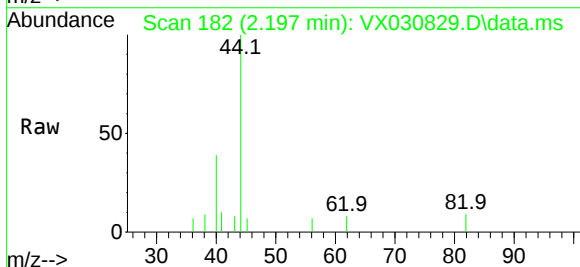
Acq: 26 Aug 2022 17:02

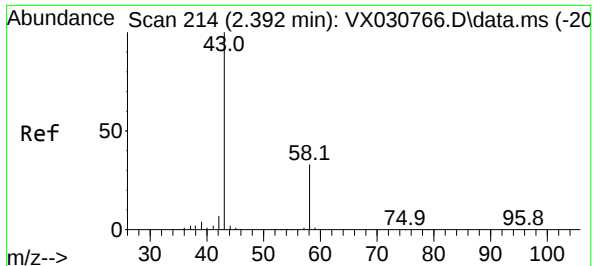
Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 66.0 56.6 84.8

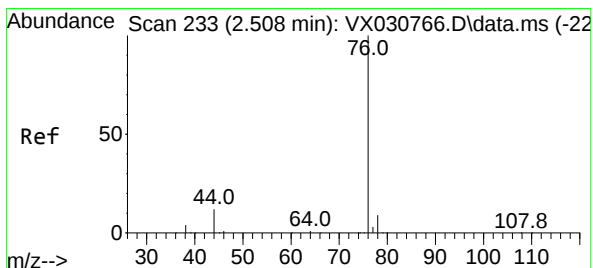
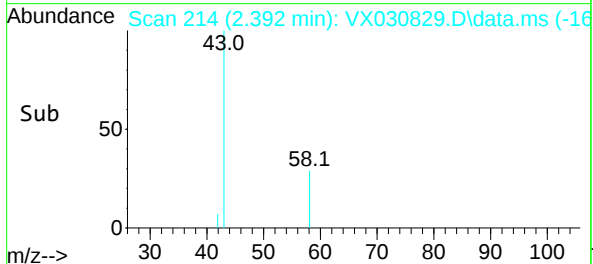
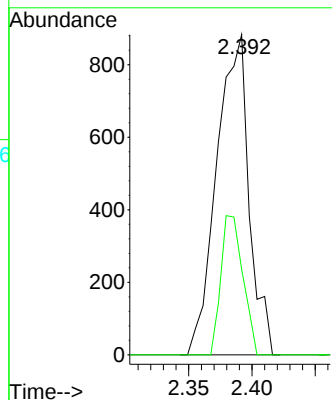
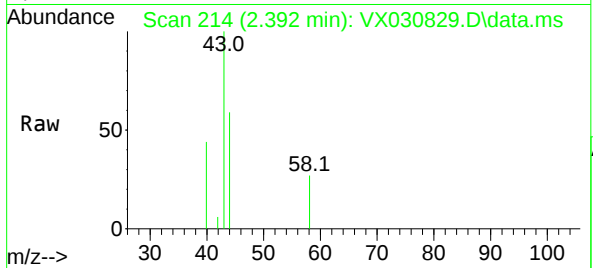




#16
Acetone
Concen: 1.400 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

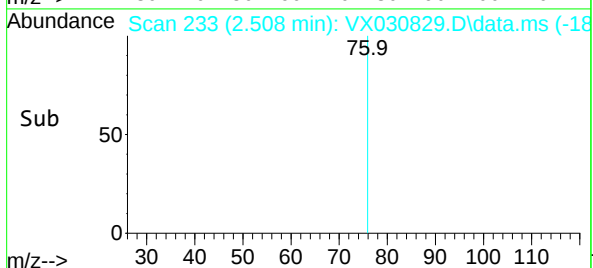
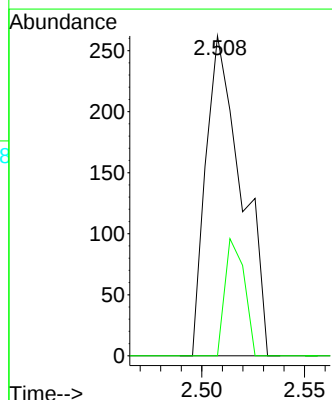
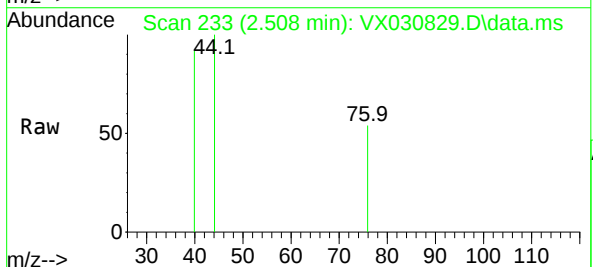
Instrument :
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ClientSampleId :
MW-102S

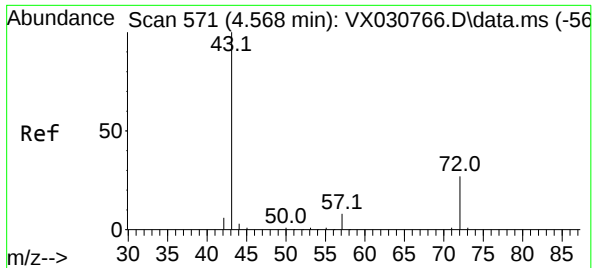
Tgt Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
58 26.7 27.7 41.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 76 Resp: 316
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

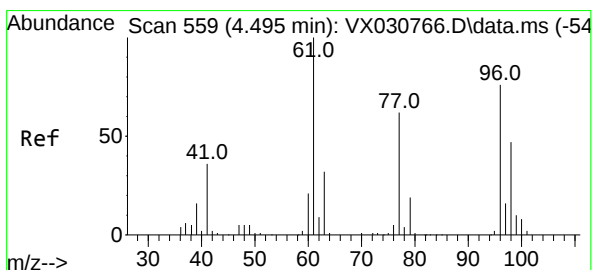
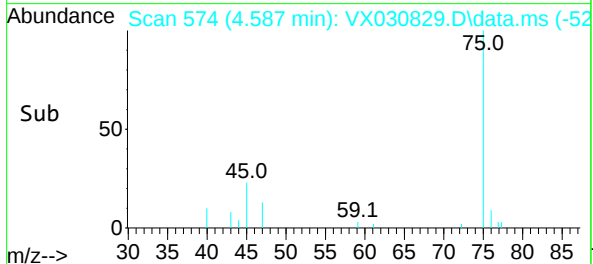
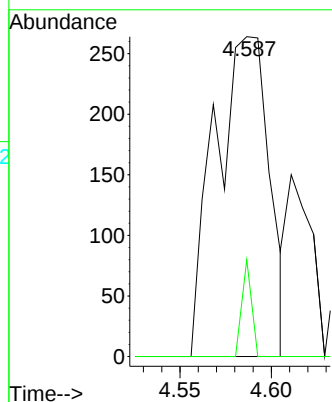
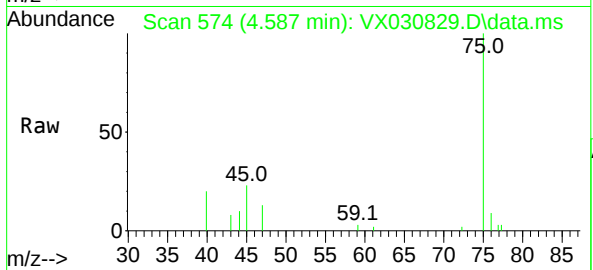




#25
2-Butanone
Concen: 0.304 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

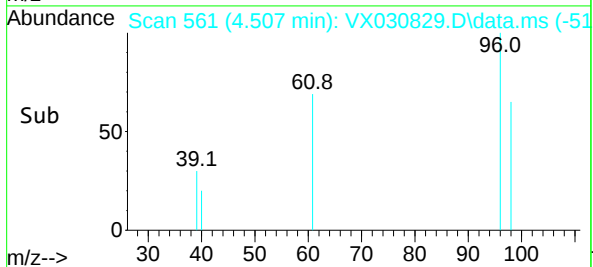
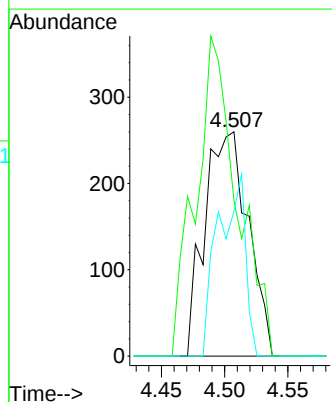
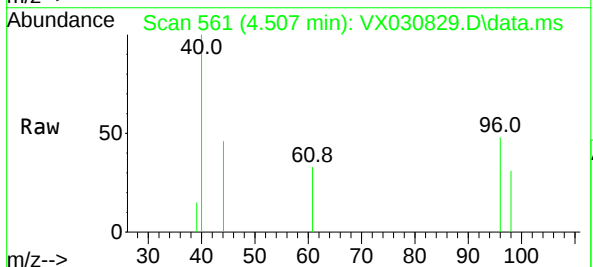
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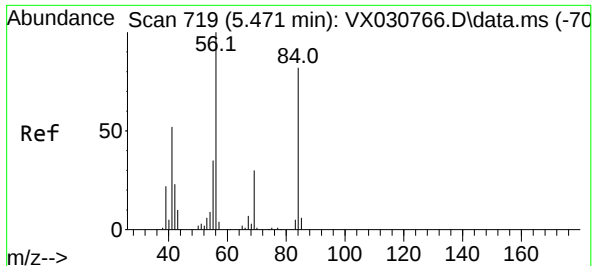
Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
72 30.3 21.7 32.5



#27
cis-1,2-Dichloroethene
Concen: 0.251 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.012 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 96 Resp: 623
Ion Ratio Lower Upper
96 100
61 0.0 0.0 270.0
98 50.2 0.0 127.8

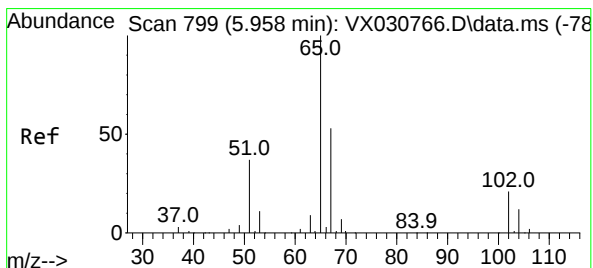
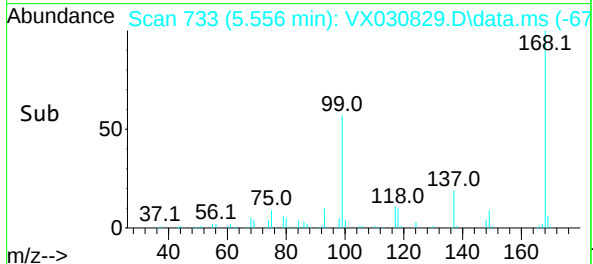
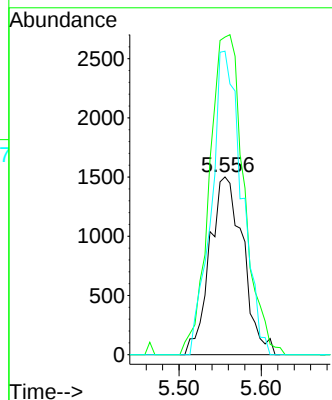
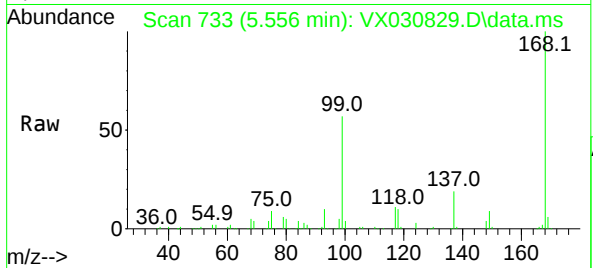




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

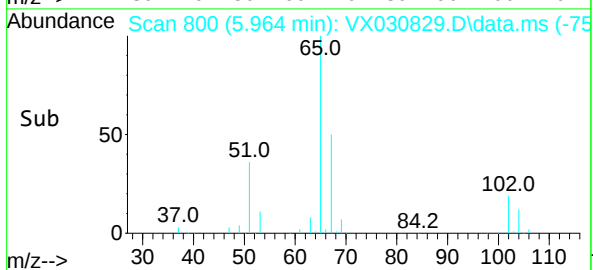
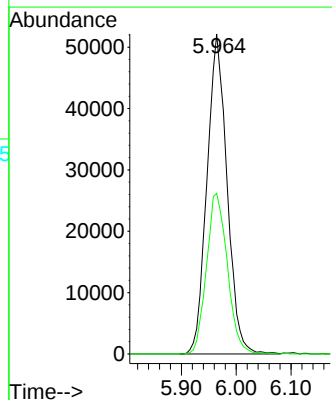
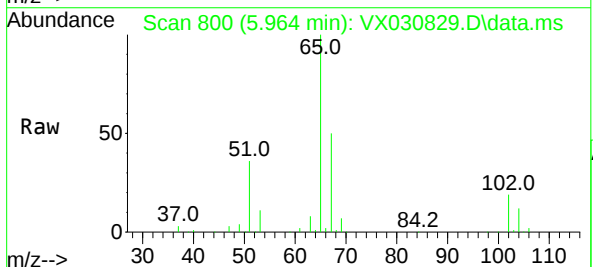
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

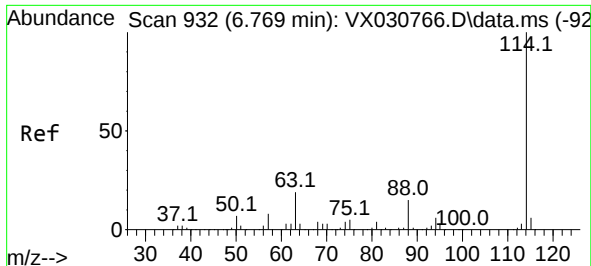
Tgt Ion: 56 Resp: 4235
Ion Ratio Lower Upper
56 100
69 178.7 25.4 38.0#
84 170.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 54.525 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 65 Resp: 132219
Ion Ratio Lower Upper
65 100
67 52.4 0.0 109.6

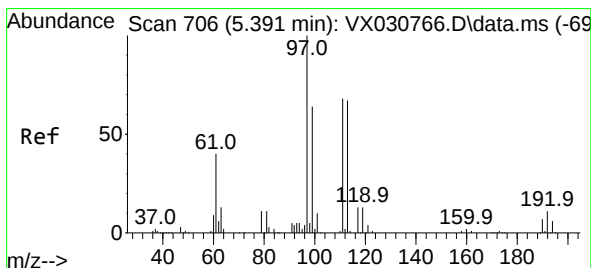
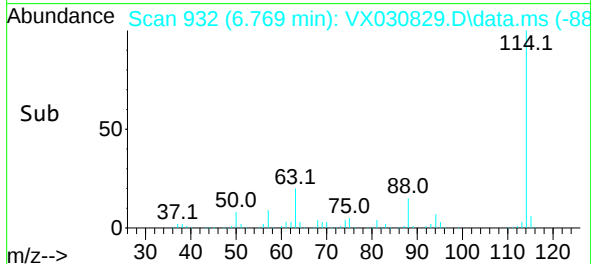
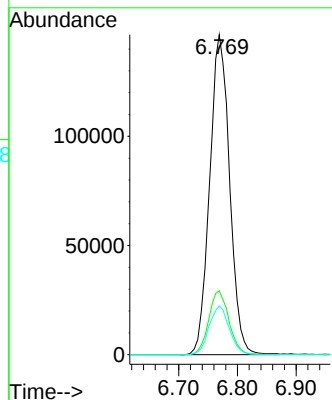
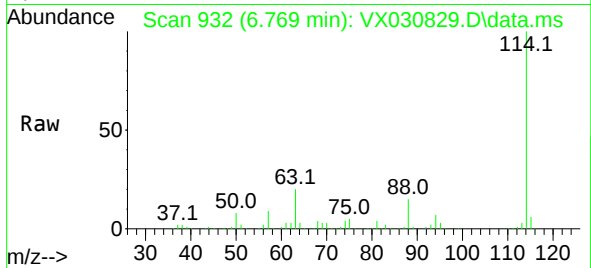




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

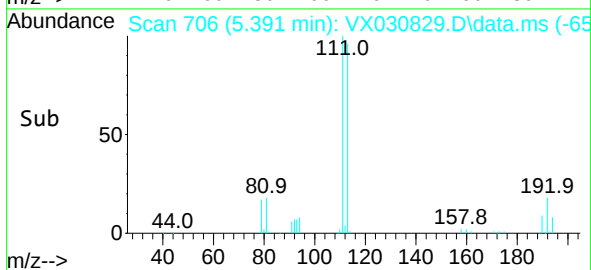
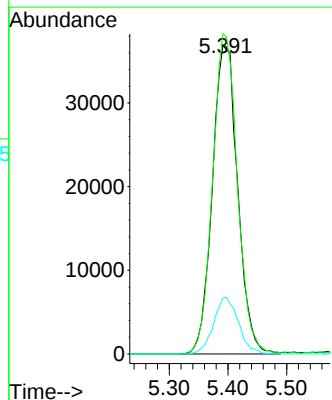
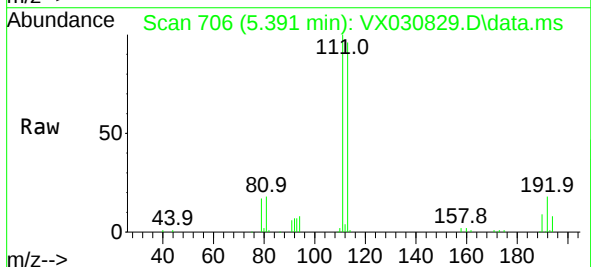
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

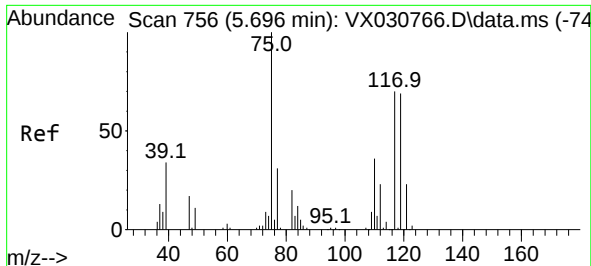
Tgt Ion:114 Resp: 345274
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.4
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.018 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion:113 Resp: 110382
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.980 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX030829.D

Acq: 26 Aug 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

MW-102S

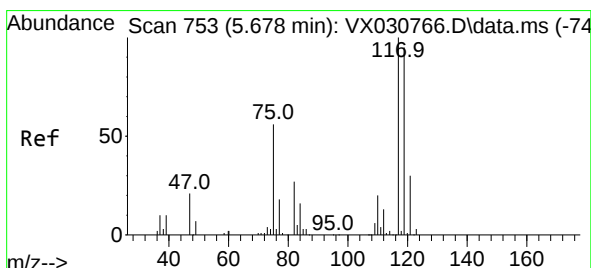
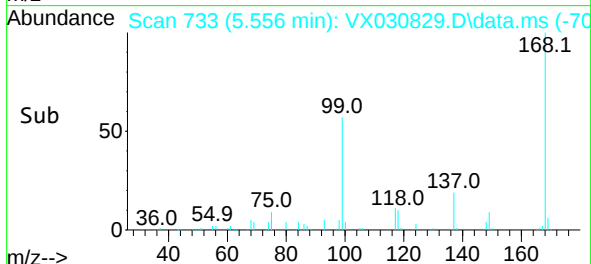
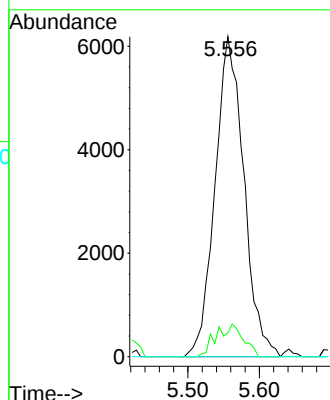
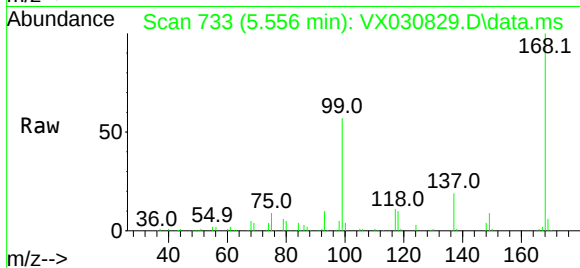
Tgt Ion: 75 Resp: 17281

Ion Ratio Lower Upper

75 100

110 9.6 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 0.244 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.012 min

Lab File: VX030829.D

Acq: 26 Aug 2022 17:02

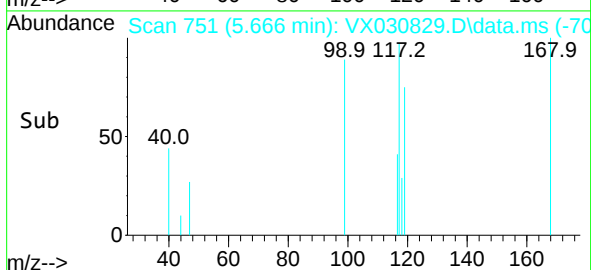
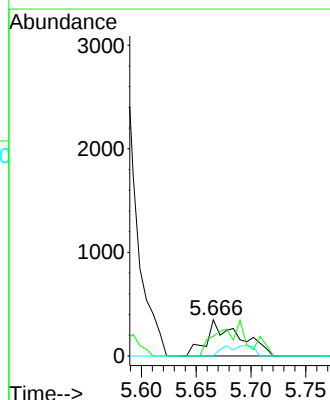
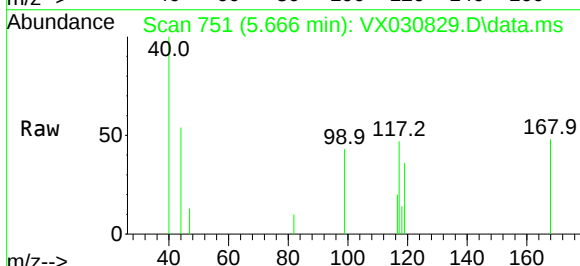
Tgt Ion: 117 Resp: 743

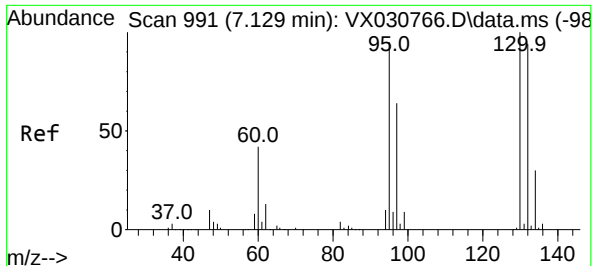
Ion Ratio Lower Upper

117 100

119 54.4 74.1 111.1#

121 0.0 25.8 38.8#

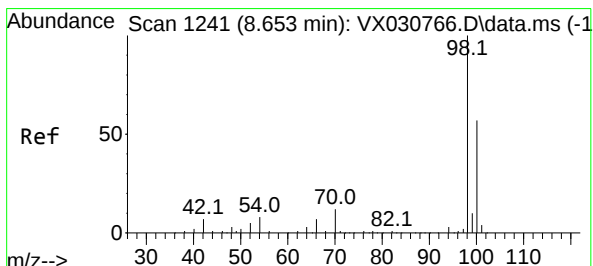
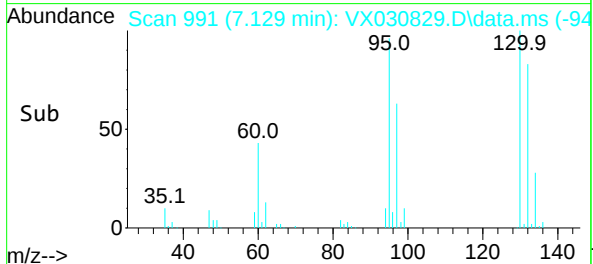
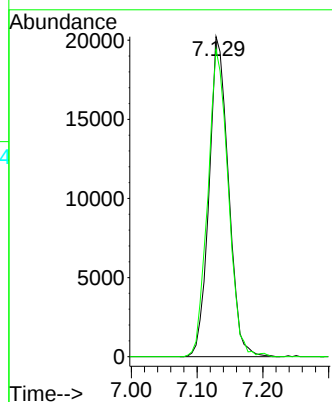
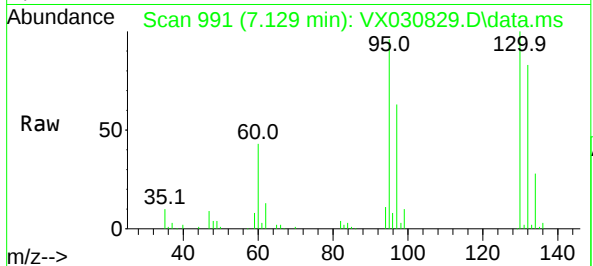




#44
Trichloroethene
Concen: 16.666 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

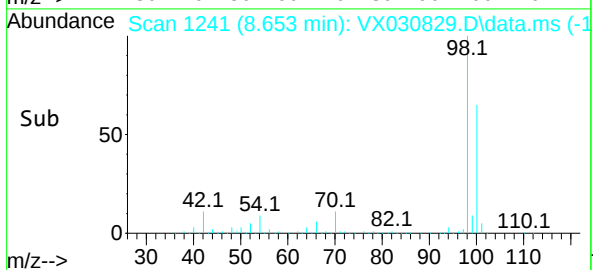
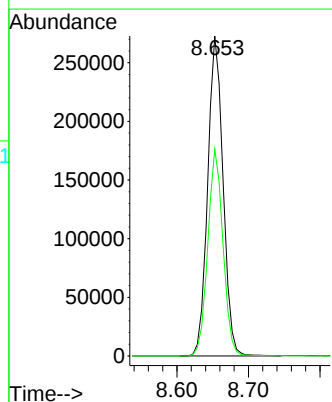
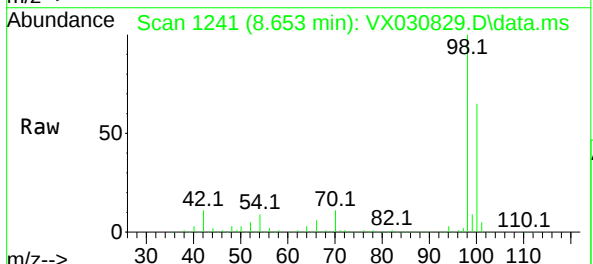
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

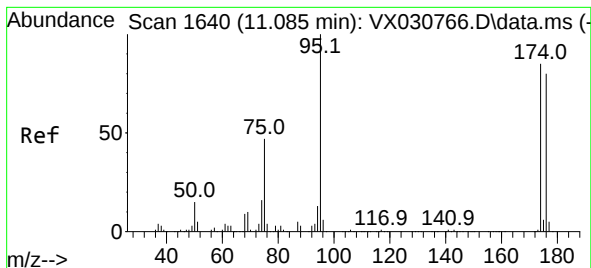
Tgt Ion:130 Resp: 41625
Ion Ratio Lower Upper
130 100
95 96.0 0.0 194.8



#50
Toluene-d8
Concen: 55.060 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 98 Resp: 407136
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

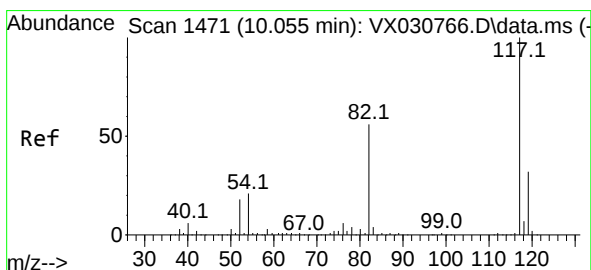
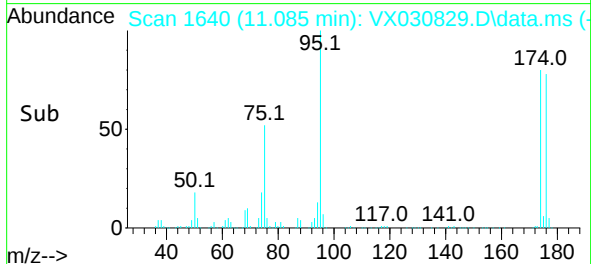
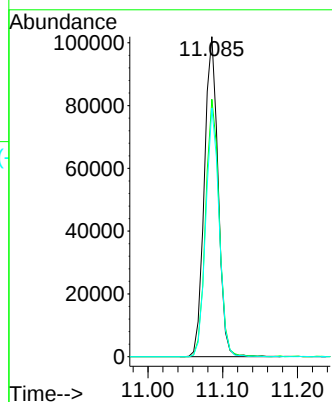
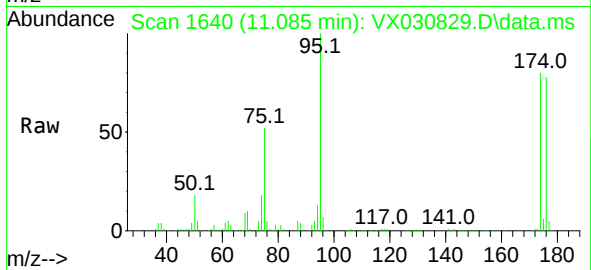




#62
4-Bromofluorobenzene
Concen: 47.229 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

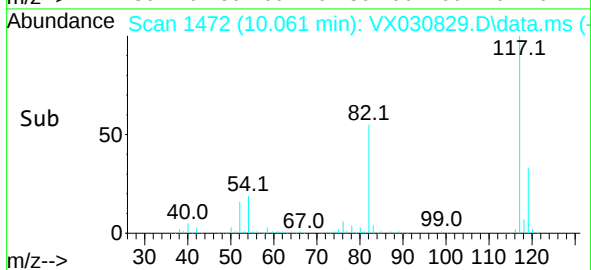
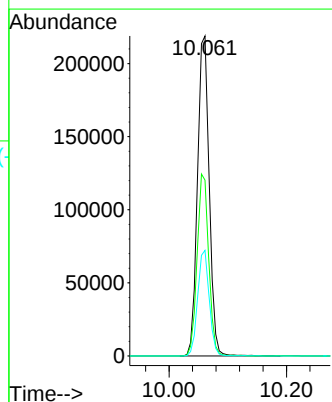
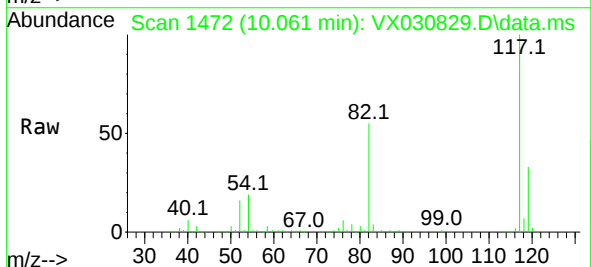
Instrument :
MSVOA_X
ClientSampleId :
MW-102S

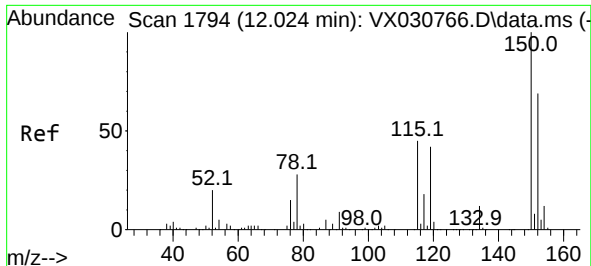
Tgt Ion: 95 Resp: 130019
Ion Ratio Lower Upper
95 100
174 79.4 0.0 149.0
176 75.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX030829.D
Acq: 26 Aug 2022 17:02

Tgt Ion: 117 Resp: 303733
Ion Ratio Lower Upper
117 100
82 55.0 42.7 64.1
119 33.0 25.4 38.2

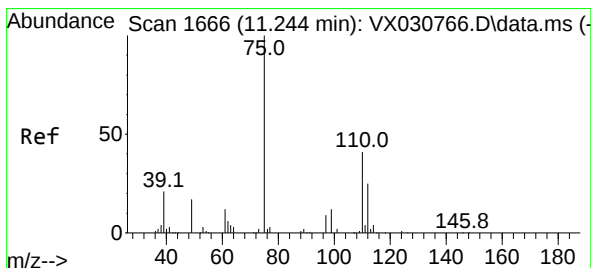
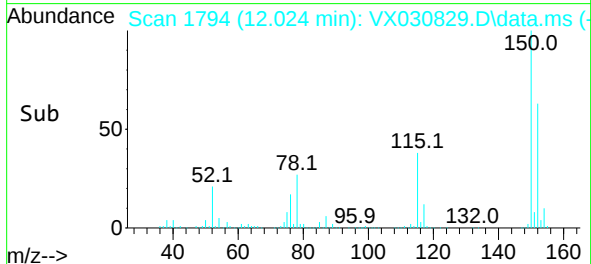
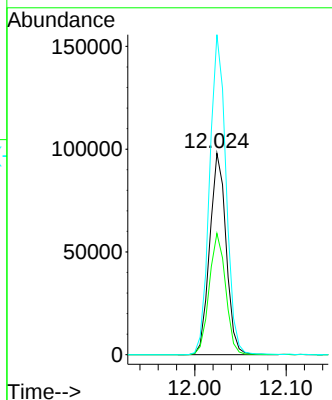
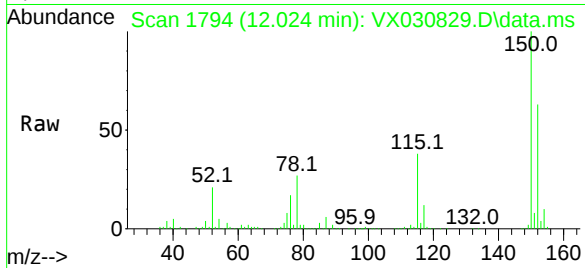




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX030829.D
 Acq: 26 Aug 2022 17:02

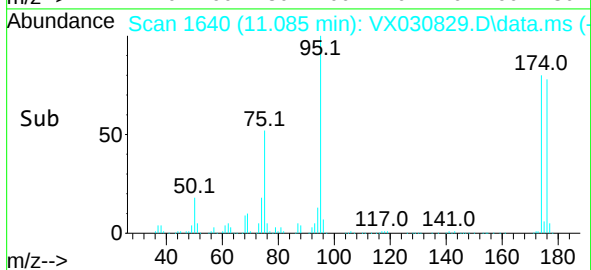
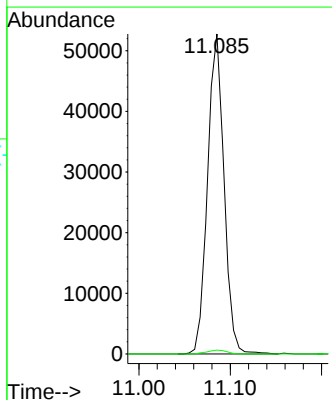
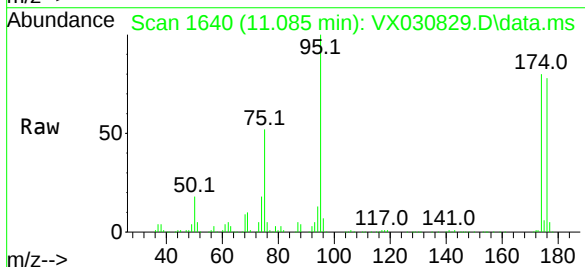
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102S

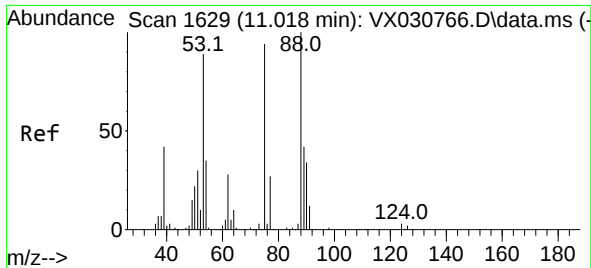
Tgt Ion:152 Resp: 121684
 Ion Ratio Lower Upper
 152 100
 115 60.3 40.5 121.5
 150 159.2 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.712 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX030829.D
 Acq: 26 Aug 2022 17:02

Tgt Ion: 75 Resp: 65880
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.731 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX030829.D
 Acq: 26 Aug 2022 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102S

Tgt Ion: 75 Resp: 65880
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

