

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027648.D
 Acq On : 23 Mar 2022 05:41
 Operator : JC/MD
 Sample : N2028-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031822

Quant Time: Mar 23 07:44:42 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	5.556	168	371185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	579386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	521708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	243573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	204218	44.661	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.320%		
35) Dibromofluoromethane	5.391	113	188013	50.437	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.880%		
50) Toluene-d8	8.653	98	673621	47.755	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.500%		
62) 4-Bromofluorobenzene	11.079	95	244621	47.181	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.360%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.575	94	77	Below Cal	#	3
11) Tert butyl alcohol	2.959	59	197	0.226	ug/l #	72
16) Acetone	2.380	43	5115	2.744	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	4669	0.401	ug/l #	37
20) Methylene Chloride	2.794	84	1257	0.314	ug/l	91
30) Chloroform	5.111	83	9245	1.308	ug/l #	79
31) Cyclohexane	5.471	56	1474	0.260	ug/l #	79
36) 1,1-Dichloropropene	5.556	75	24702	4.849	ug/l #	50
38) Carbon Tetrachloride	5.556	117	35415	6.077	ug/l #	15
39) Methylcyclohexane	7.385	83	1334	0.208	ug/l	97
40) Benzene	6.044	78	18244	1.248	ug/l	100
51) 4-Methyl-2-Pentanone	8.653	43	2642	0.507	ug/l #	1
52) Toluene	8.720	92	22495	2.297	ug/l	100
67) Ethyl Benzene	10.201	91	11592	0.631	ug/l	99
68) m/p-Xylenes	10.299	106	22856	3.160	ug/l	98
69) o-Xylene	10.646	106	7294	1.039	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	112715	22.124	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	6223	0.417	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	112715	67.191	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	18776	1.261	ug/l	99
85) sec-Butylbenzene	11.756	105	18776	1.050	ug/l #	56
95) Naphthalene	13.780	128	4968	0.294	ug/l #	94

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

Quant Time: Mar 23 07:44:42 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

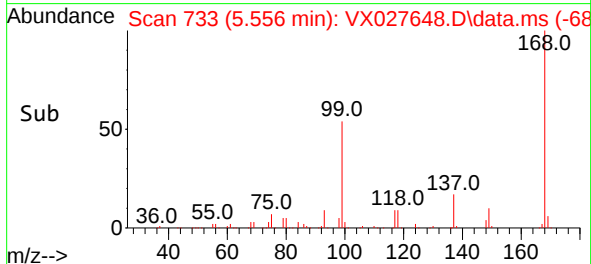
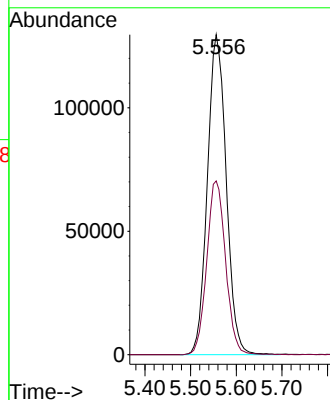
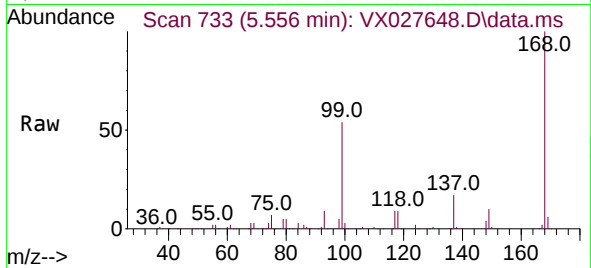




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

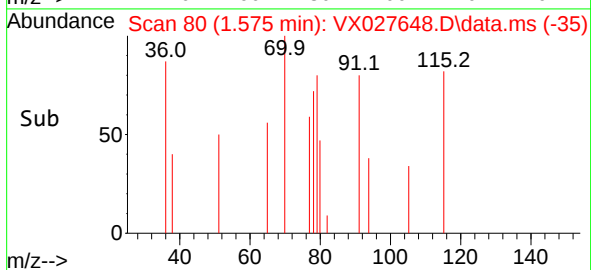
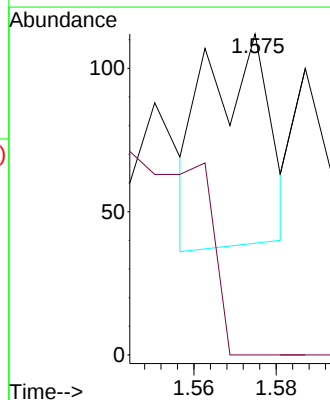
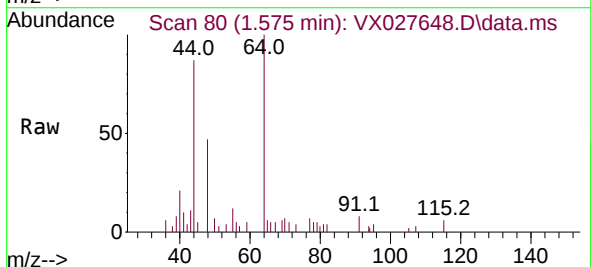
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

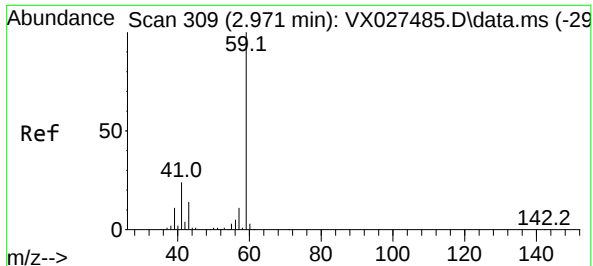
Tgt Ion:168 Resp: 371185
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.575 min Scan# 80
Delta R.T. -0.024 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#





#11

Tert butyl alcohol

Concen: 0.226 ug/l

RT: 2.959 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX027648.D

Acq: 23 Mar 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

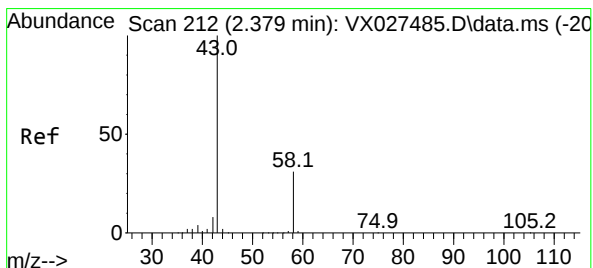
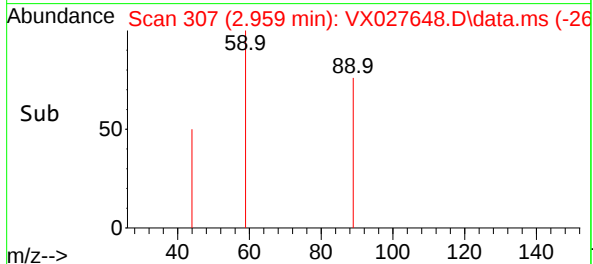
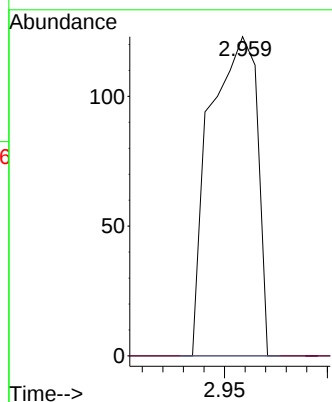
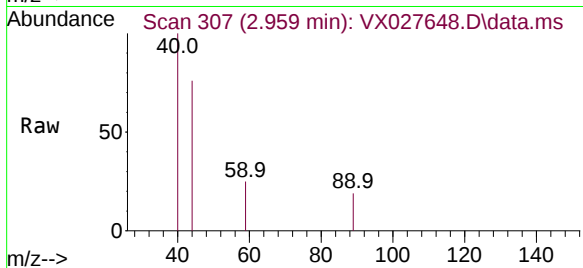
DUP031822

Tgt Ion: 59 Resp: 197

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.744 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX027648.D

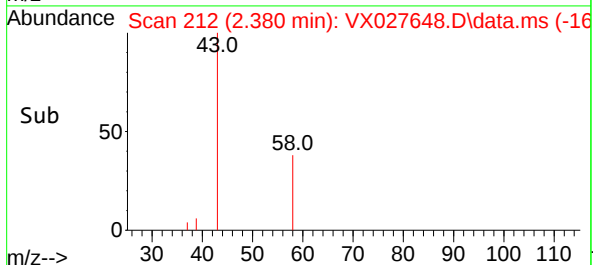
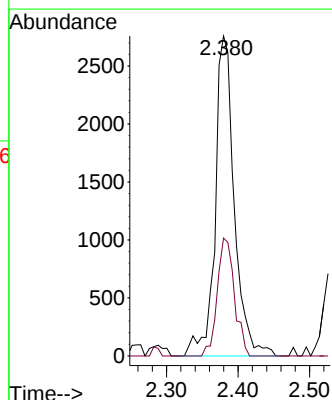
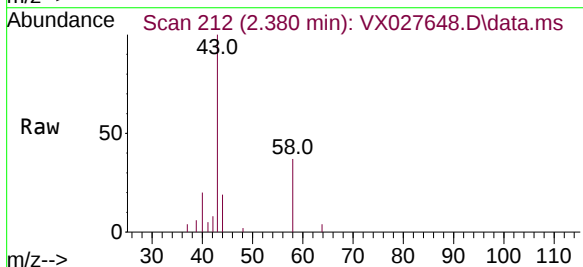
Acq: 23 Mar 2022 05:41

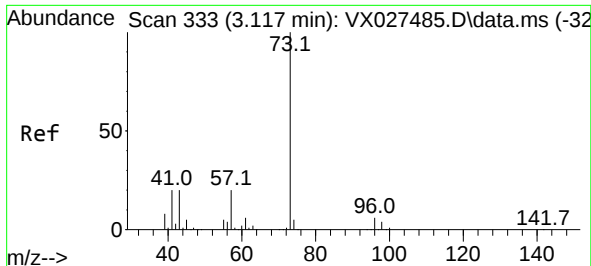
Tgt Ion: 43 Resp: 5115

Ion Ratio Lower Upper

43 100

58 36.9 28.8 43.2

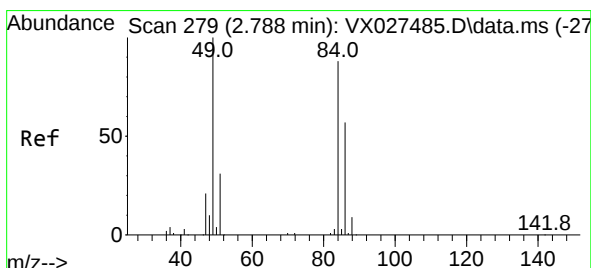
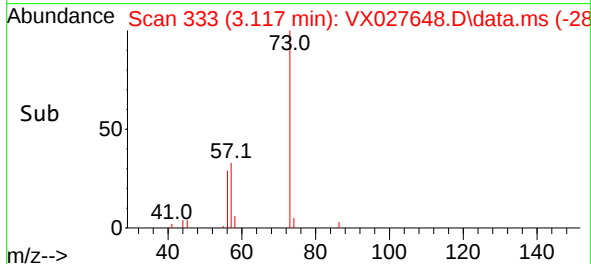
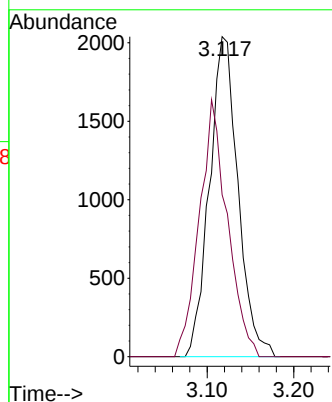
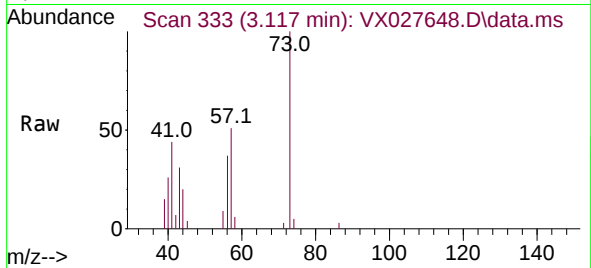




#19
Methyl tert-butyl Ether
Concen: 0.401 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

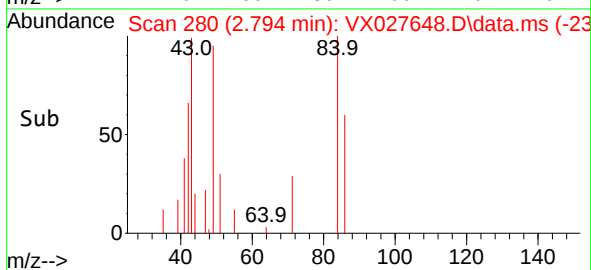
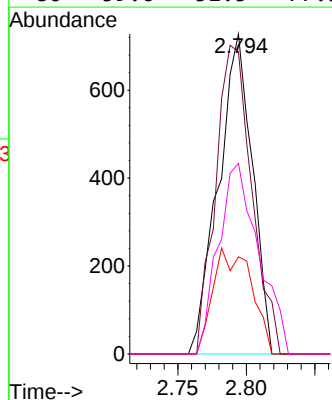
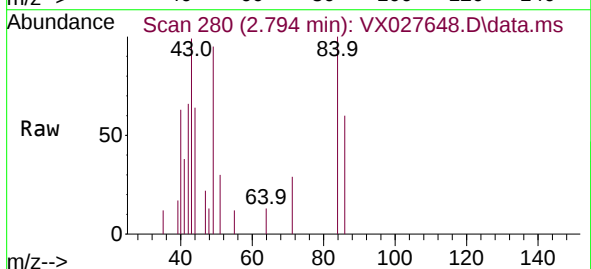
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

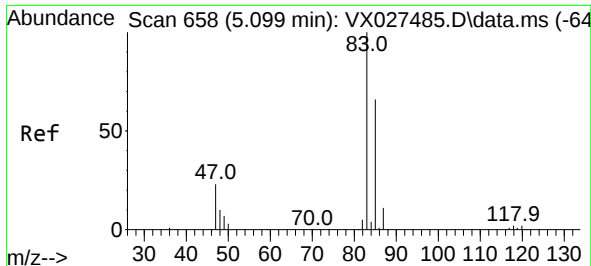
Tgt Ion: 73 Resp: 4669
Ion Ratio Lower Upper
73 100
57 50.6 16.8 25.2#



#20
Methylene Chloride
Concen: 0.314 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion: 84 Resp: 1257
Ion Ratio Lower Upper
84 100
49 94.5 85.5 128.3
51 30.4 26.6 39.8
86 59.6 51.5 77.3

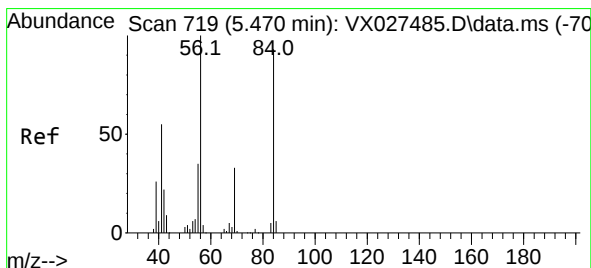
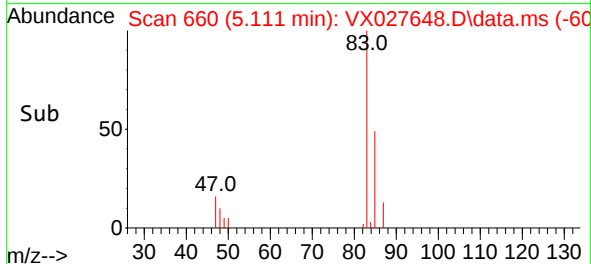
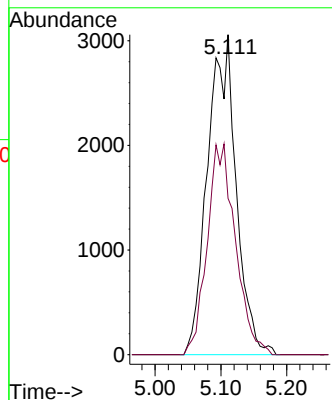
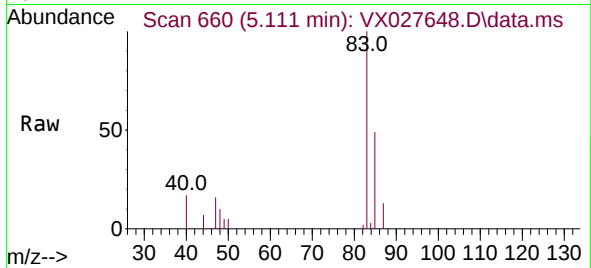




#30
Chloroform
Concen: 1.308 ug/l
RT: 5.111 min Scan# 60
Delta R.T. 0.012 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

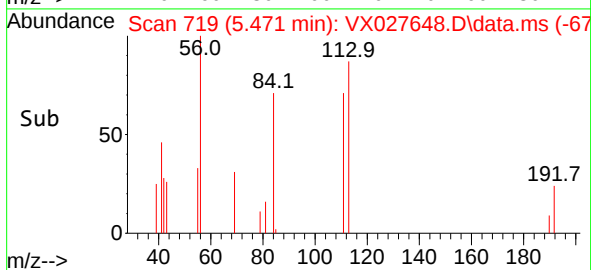
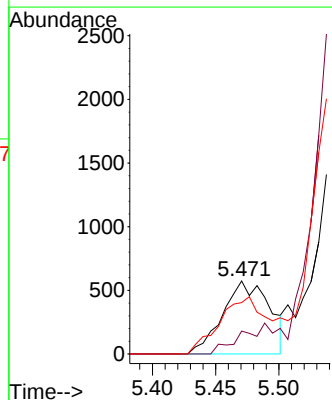
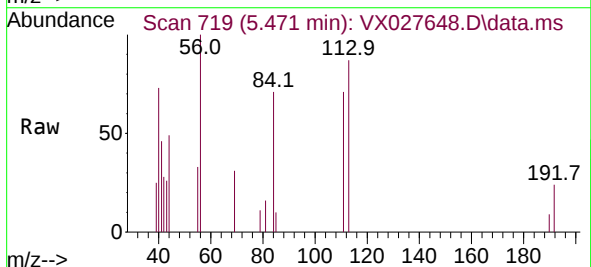
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

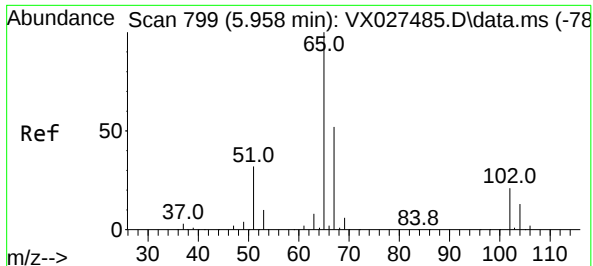
Tgt Ion: 83 Resp: 9245
Ion Ratio Lower Upper
83 100
85 48.9 52.7 79.1#



#31
Cyclohexane
Concen: 0.260 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion: 56 Resp: 1474
Ion Ratio Lower Upper
56 100
69 31.4 26.7 40.1
84 70.5 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 44.661 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027648.D

Acq: 23 Mar 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

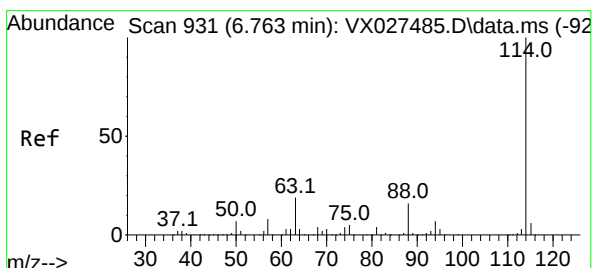
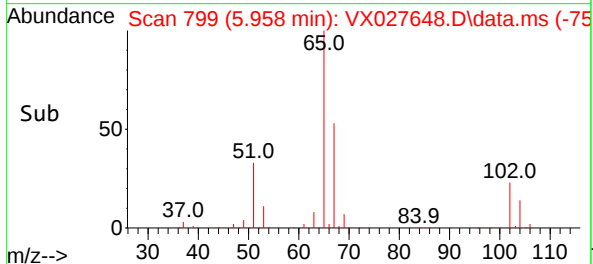
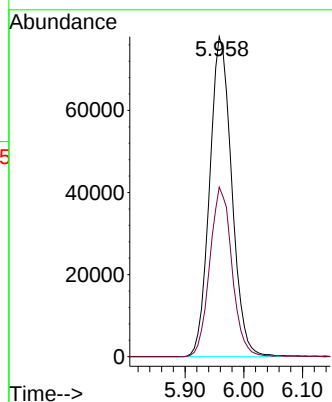
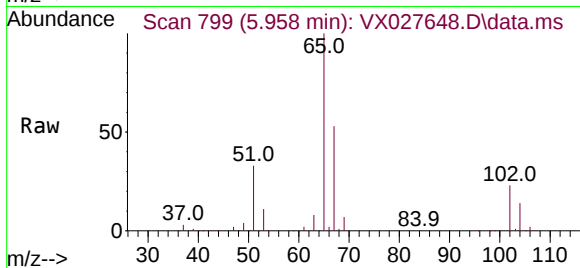
DUP031822

Tgt Ion: 65 Resp: 204218

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027648.D

Acq: 23 Mar 2022 05:41

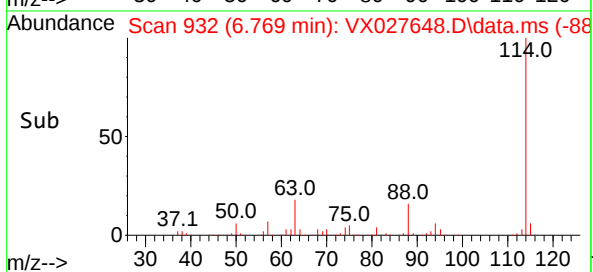
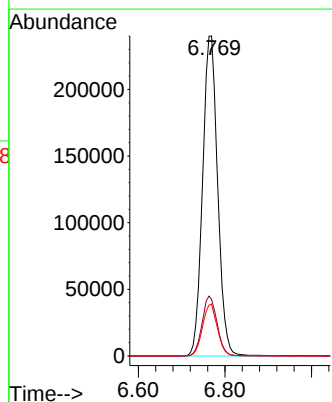
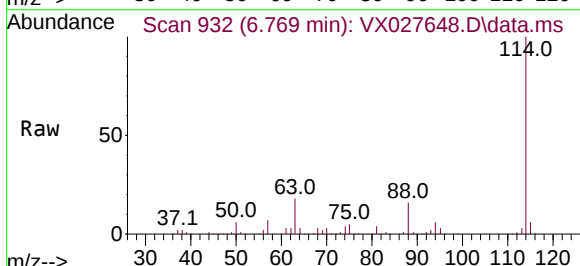
Tgt Ion: 114 Resp: 579386

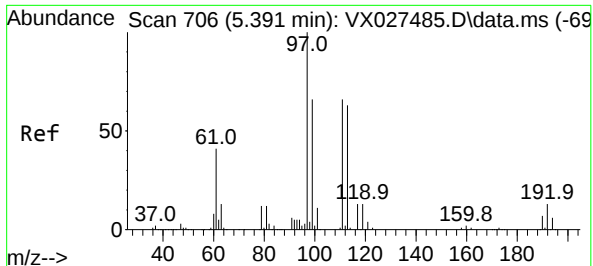
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.437 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027648.D

Acq: 23 Mar 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

DUP031822

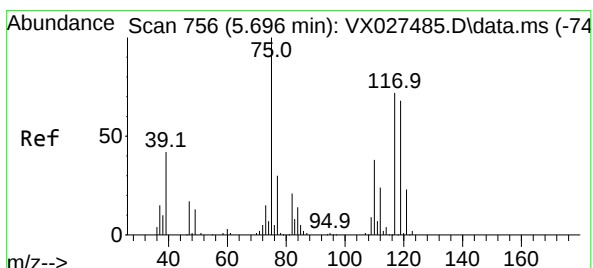
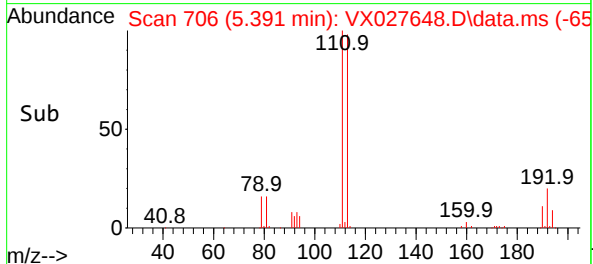
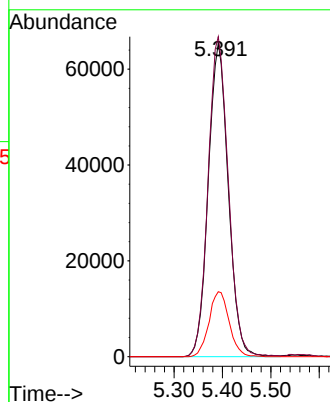
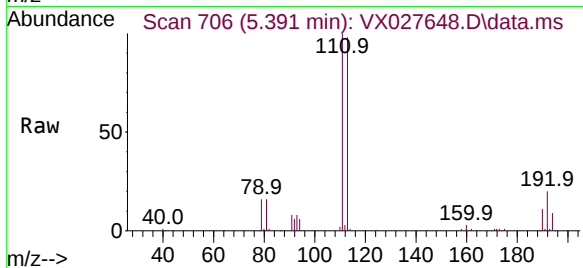
Tgt Ion:113 Resp: 188013

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 20.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027648.D

Acq: 23 Mar 2022 05:41

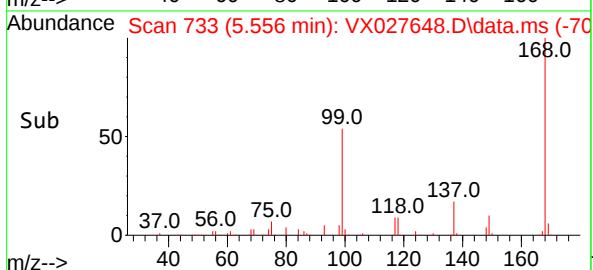
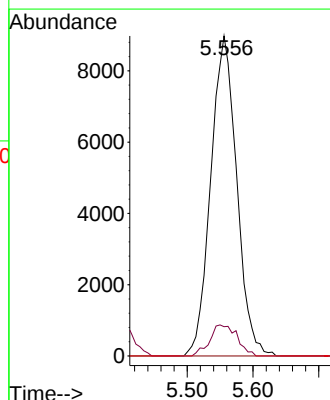
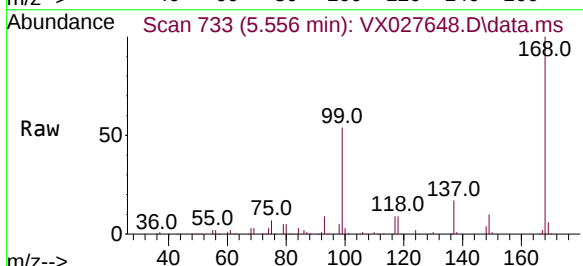
Tgt Ion: 75 Resp: 24702

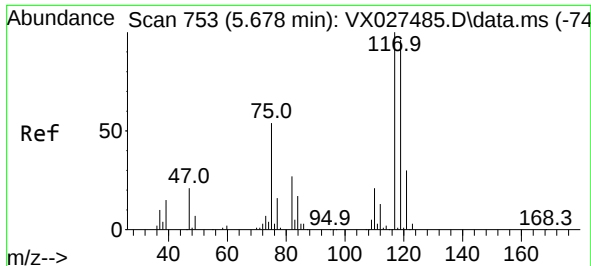
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

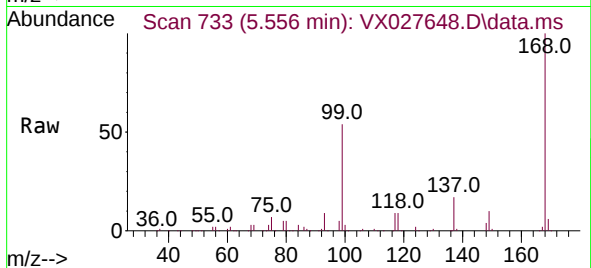
77 0.0 24.8 37.2#



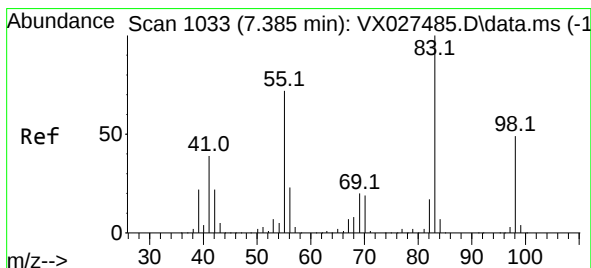
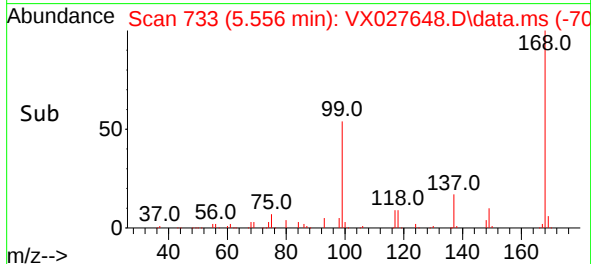
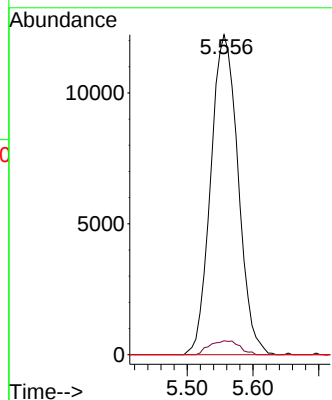


#38
Carbon Tetrachloride
Concen: 6.077 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Instrument :
MSVOA_X
ClientSampleId :
DUP031822

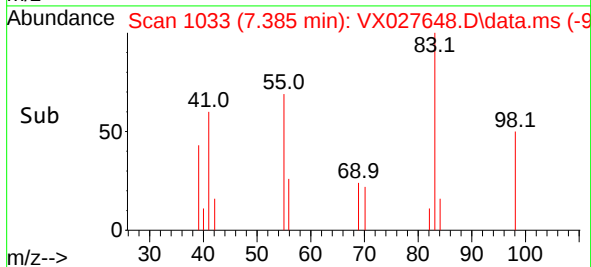
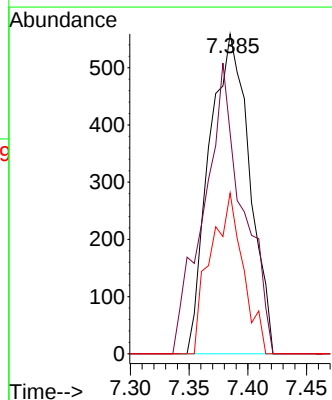
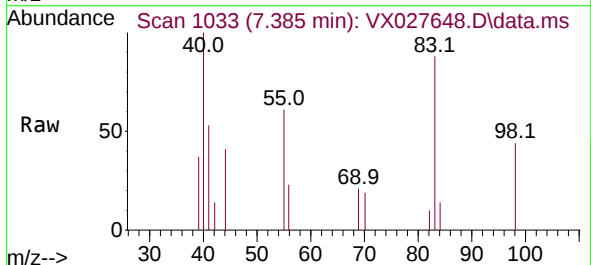


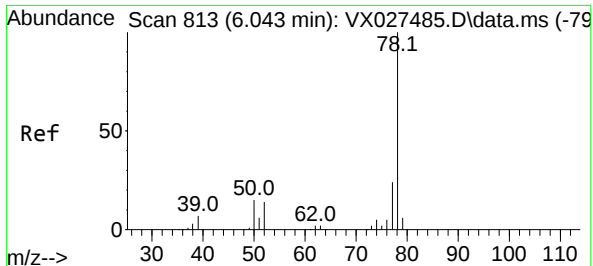
Tgt Ion:117 Resp: 35415
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.208 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion: 83 Resp: 1334
Ion Ratio Lower Upper
83 100
55 69.1 54.6 81.8
98 50.3 37.4 56.2

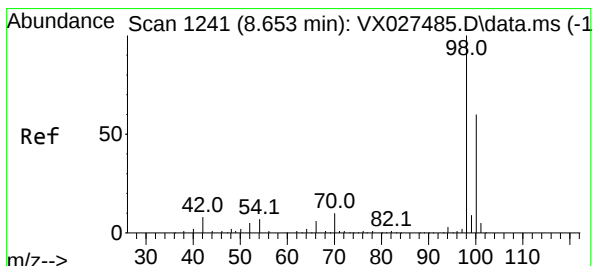
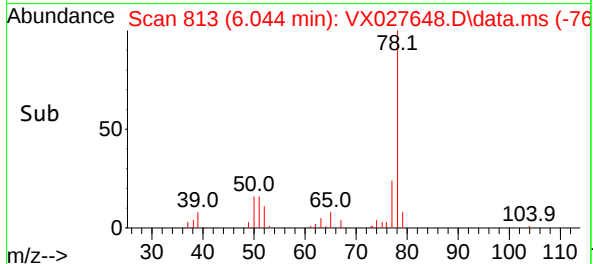
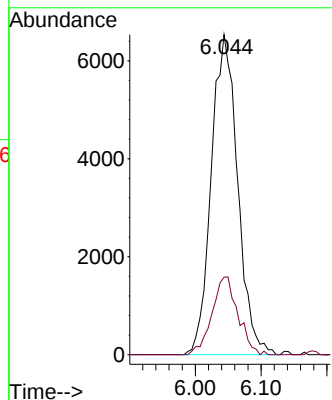
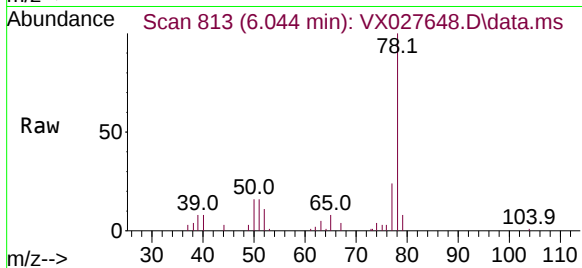




#40
Benzene
Concen: 1.248 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

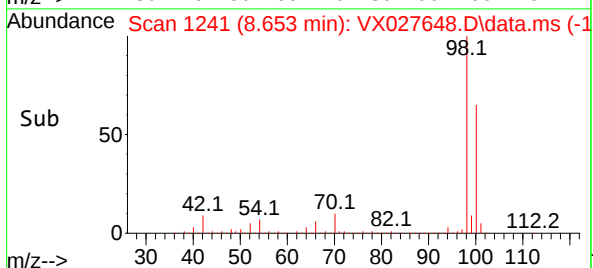
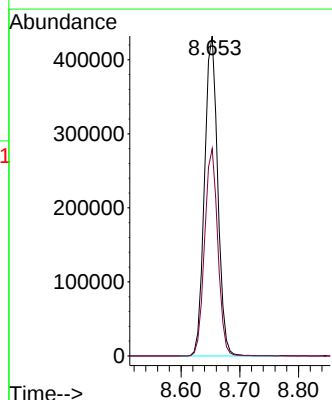
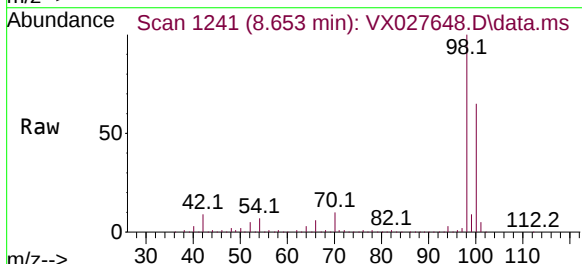
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

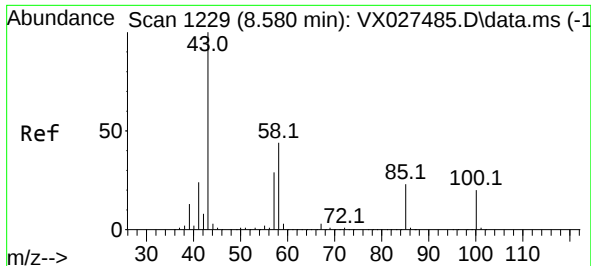
Tgt Ion: 78 Resp: 18244
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9



#50
Toluene-d8
Concen: 47.755 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion: 98 Resp: 673621
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.507 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX027648.D

Acq: 23 Mar 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

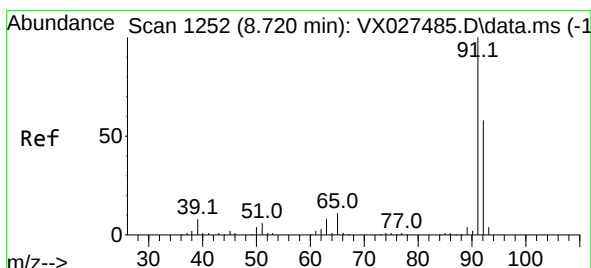
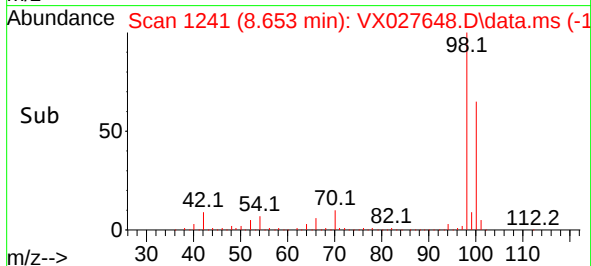
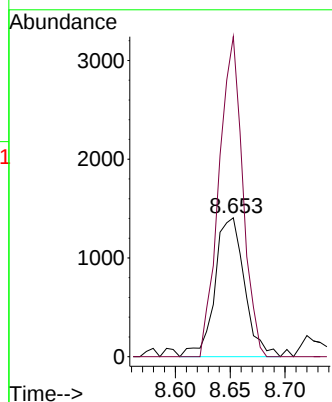
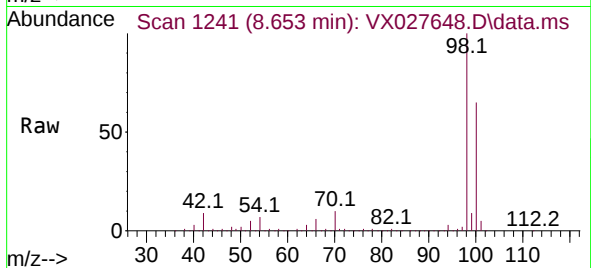
DUP031822

Tgt Ion: 43 Resp: 2642

Ion Ratio Lower Upper

43 100

58 185.2 36.1 54.1#



#52

Toluene

Concen: 2.297 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX027648.D

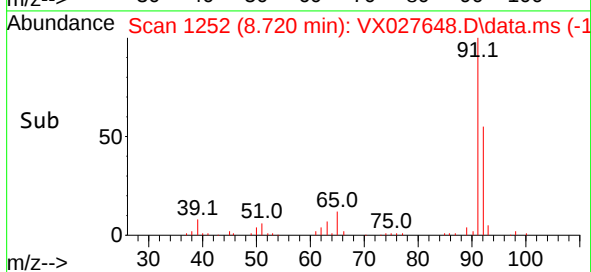
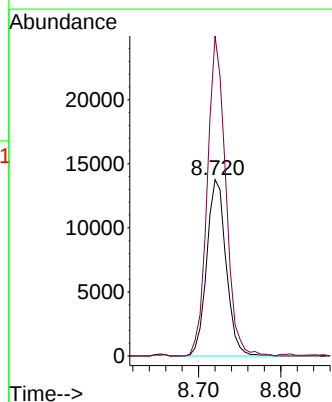
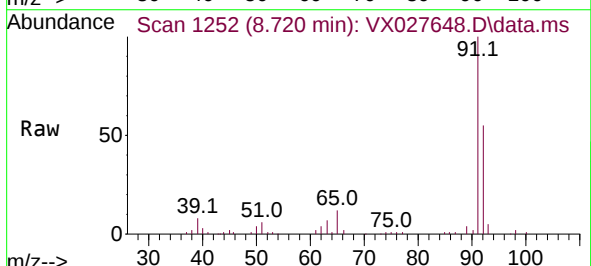
Acq: 23 Mar 2022 05:41

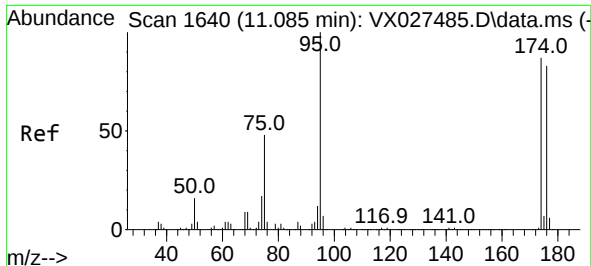
Tgt Ion: 92 Resp: 22495

Ion Ratio Lower Upper

92 100

91 172.4 137.5 206.3

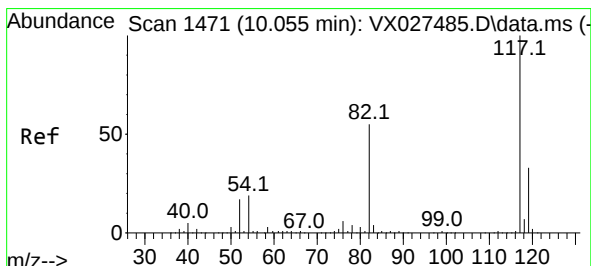
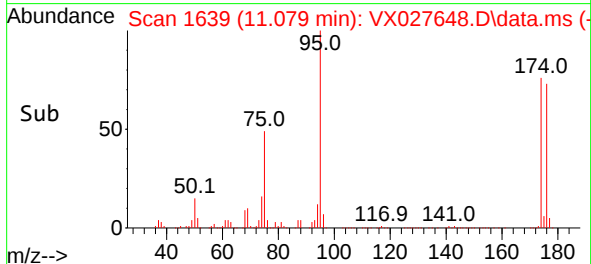
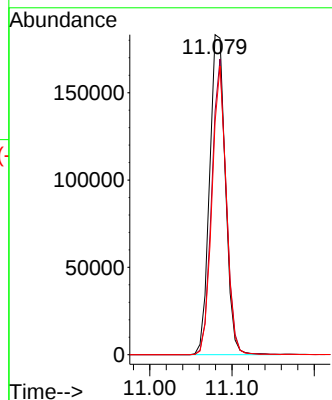
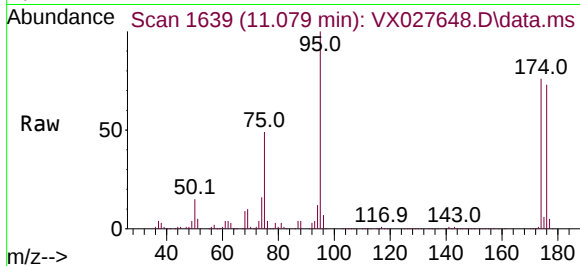




#62
4-Bromofluorobenzene
Concen: 47.181 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

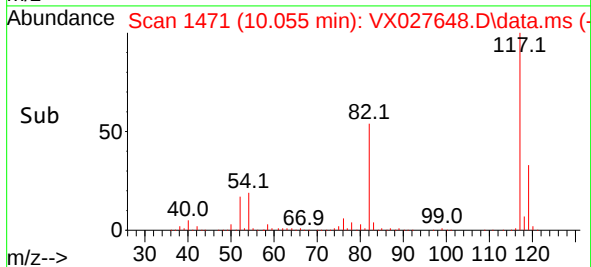
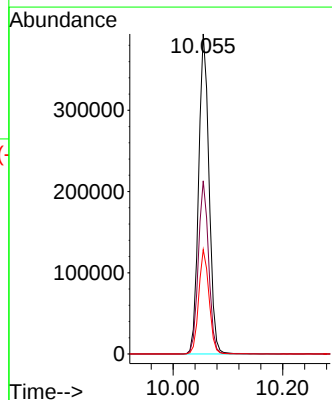
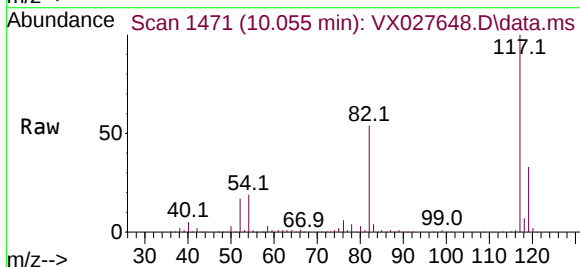
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

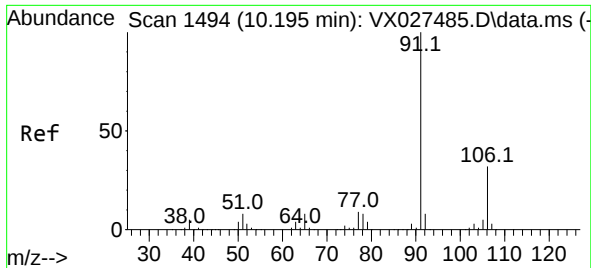
Tgt Ion: 95 Resp: 244621
Ion Ratio Lower Upper
95 100
174 85.0 0.0 163.0
176 81.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion: 117 Resp: 521708
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.8
119 32.6 24.8 37.2





#67

Ethyl Benzene

Concen: 0.631 ug/l

RT: 10.201 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX027648.D

Acq: 23 Mar 2022 05:41

Instrument :

MSVOA_X

ClientSampleId :

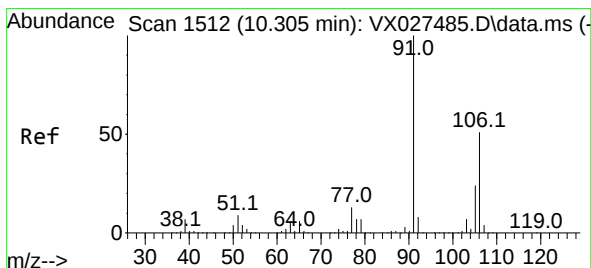
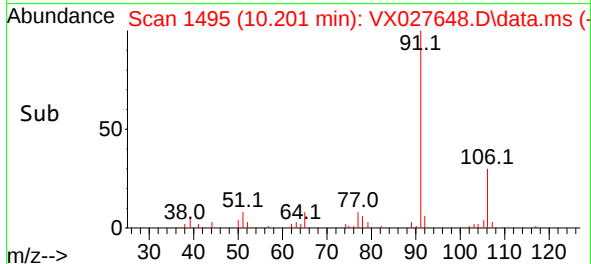
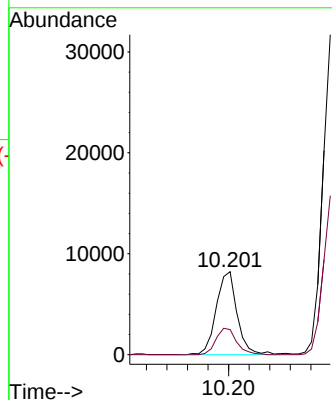
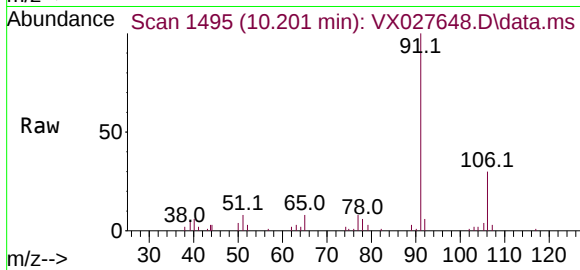
DUP031822

Tgt Ion: 91 Resp: 11592

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8



#68

m/p-Xylenes

Concen: 3.160 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX027648.D

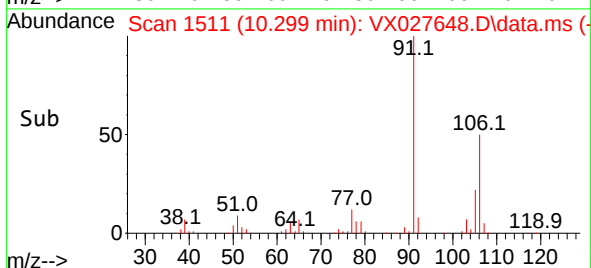
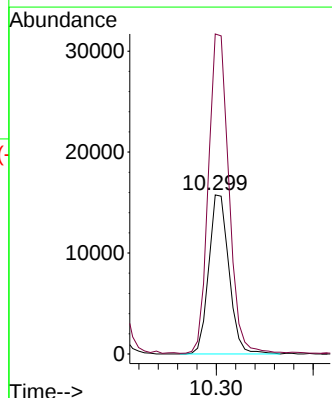
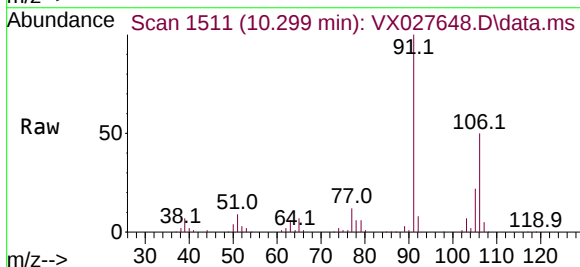
Acq: 23 Mar 2022 05:41

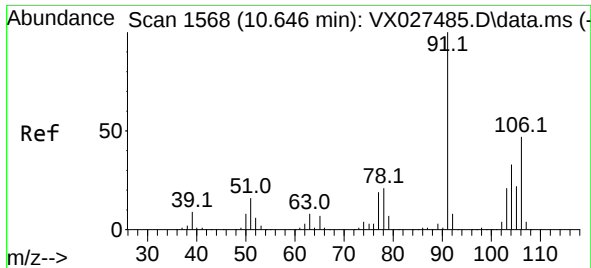
Tgt Ion: 106 Resp: 22856

Ion Ratio Lower Upper

106 100

91 202.8 160.4 240.6

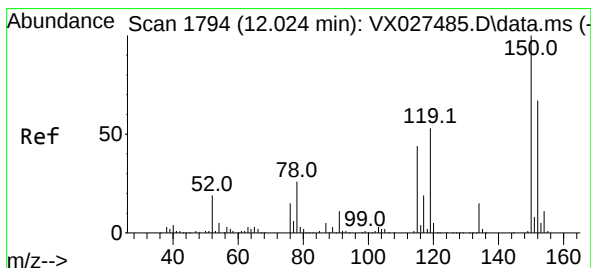
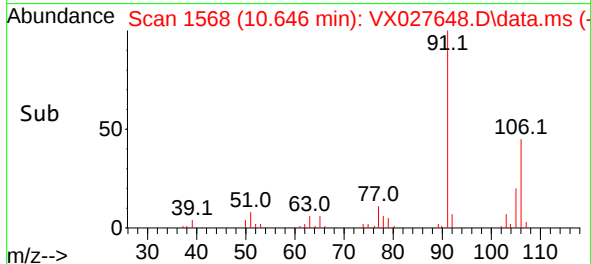
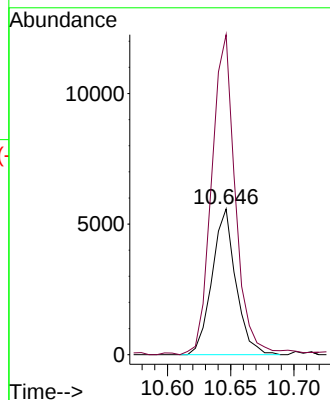
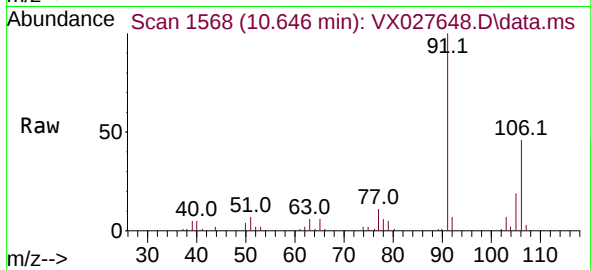




#69
o-Xylene
Concen: 1.039 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

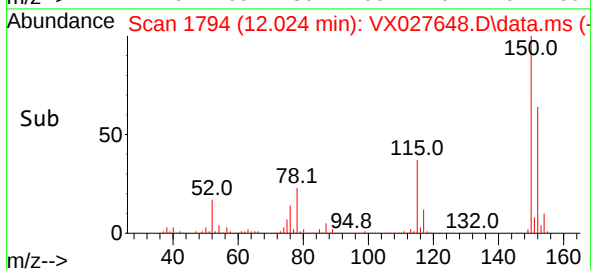
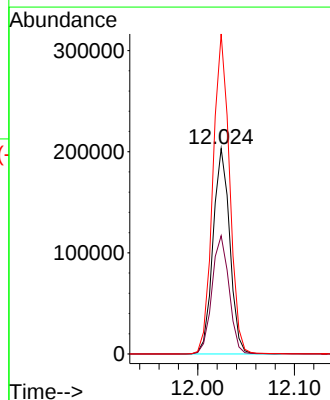
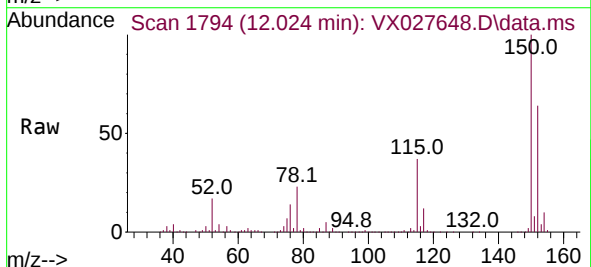
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

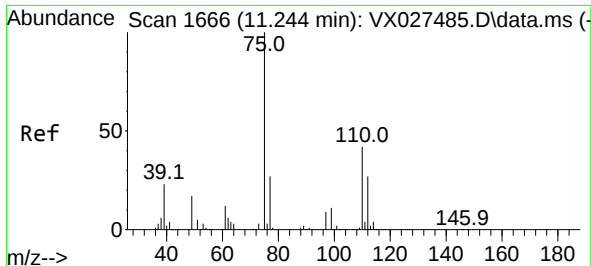
Tgt Ion:106 Resp: 7294
Ion Ratio Lower Upper
106 100
91 221.7 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion:152 Resp: 243573
Ion Ratio Lower Upper
152 100
115 58.8 37.5 112.7
150 155.7 0.0 338.2

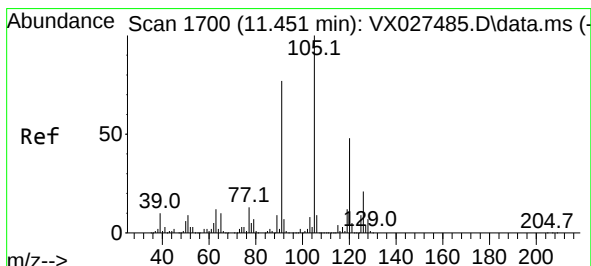
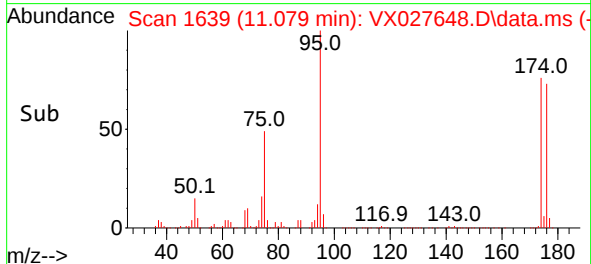
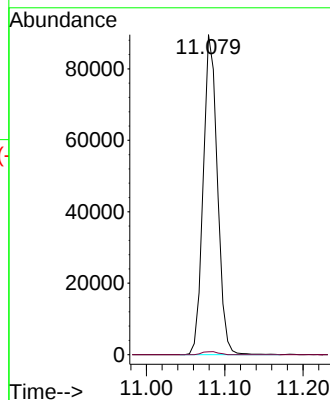
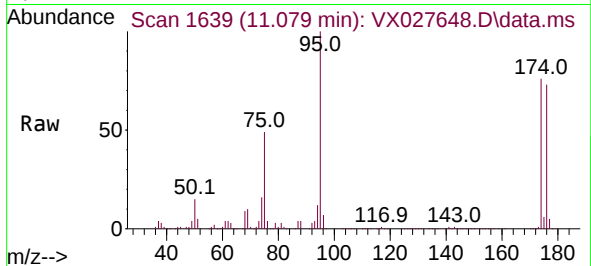




#76
1,2,3-Trichloropropane
Concen: 22.124 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

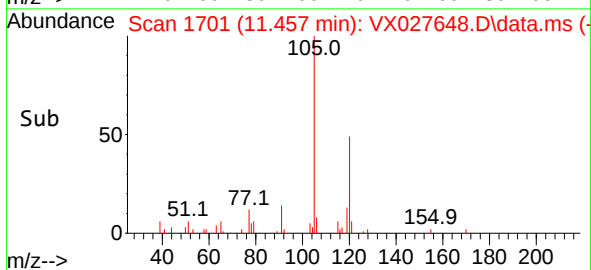
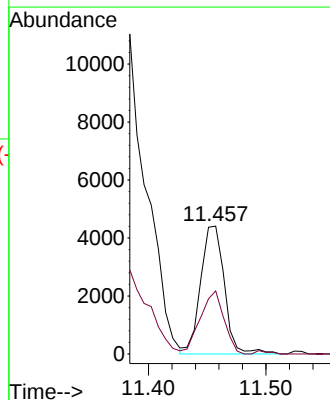
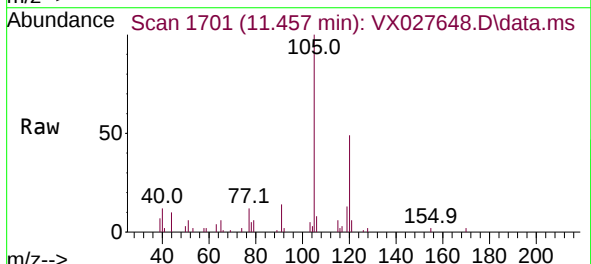
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

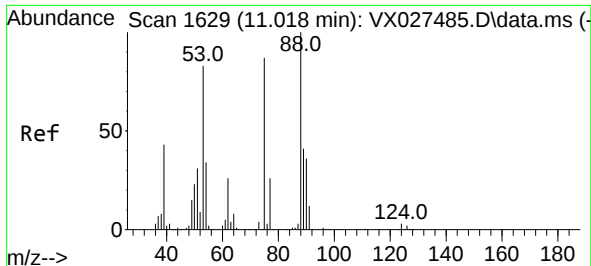
Tgt Ion: 75 Resp: 112715
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.417 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion: 105 Resp: 6223
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.9

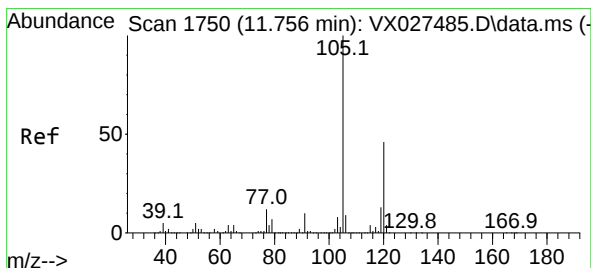
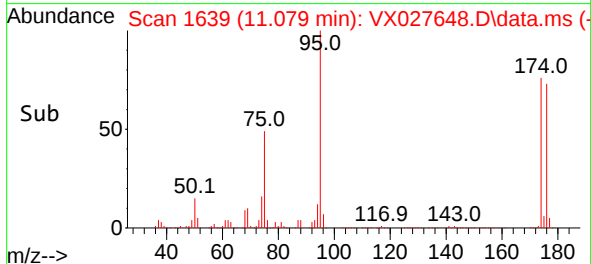
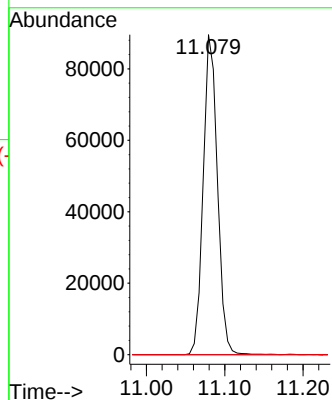
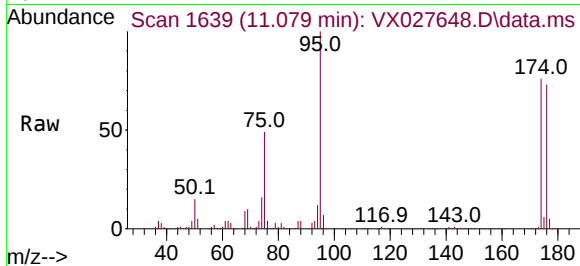




#81
trans-1,4-Dichloro-2-butene
Concen: 67.191 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

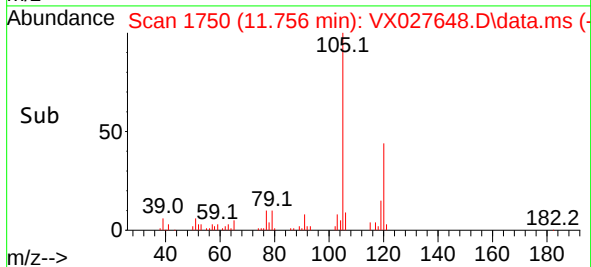
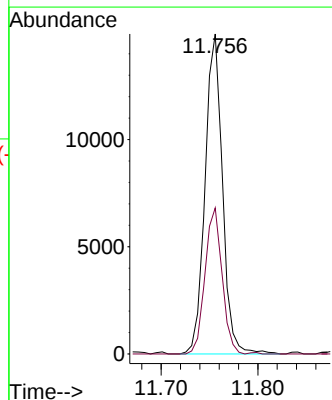
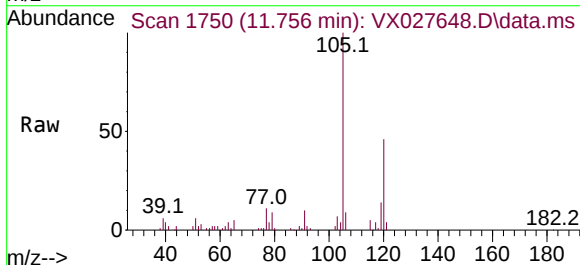
Instrument :
MSVOA_X
ClientSampleId :
DUP031822

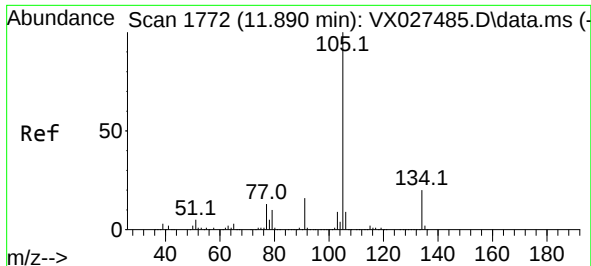
Tgt Ion: 75 Resp: 112715
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.261 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027648.D
Acq: 23 Mar 2022 05:41

Tgt Ion:105 Resp: 18776
Ion Ratio Lower Upper
105 100
120 44.5 22.6 67.8

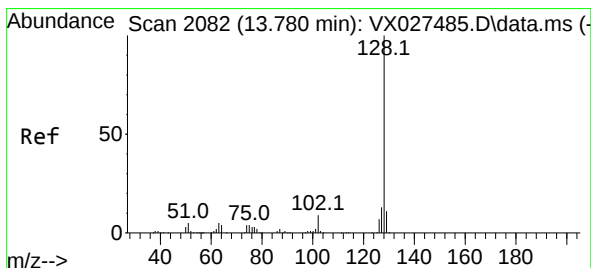
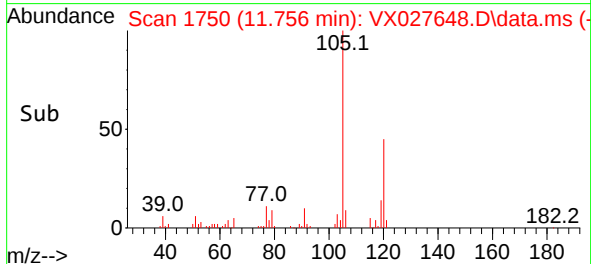
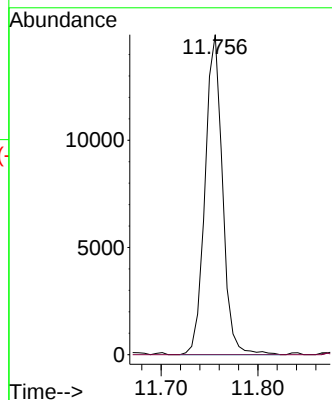
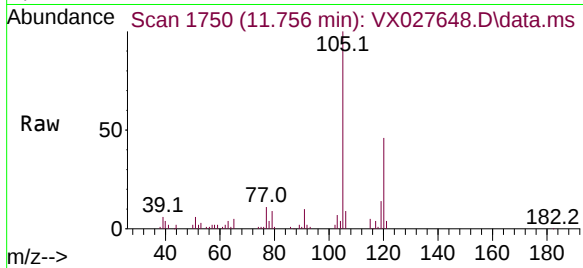




#85
 sec-Butylbenzene
 Concen: 1.050 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX027648.D
 Acq: 23 Mar 2022 05:41

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031822

Tgt Ion:105 Resp: 18776
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 0.294 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX027648.D
 Acq: 23 Mar 2022 05:41

Tgt Ion:128 Resp: 4968
 Ion Ratio Lower Upper
 128 100
 127 11.0 10.2 15.4
 129 13.6 8.7 13.1#

