

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020322\
 Data File : VX026768.D
 Acq On : 03 Feb 2022 19:08
 Operator : JC/MD
 Sample : N1345-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34025

Quant Time: Feb 04 02:35:07 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)

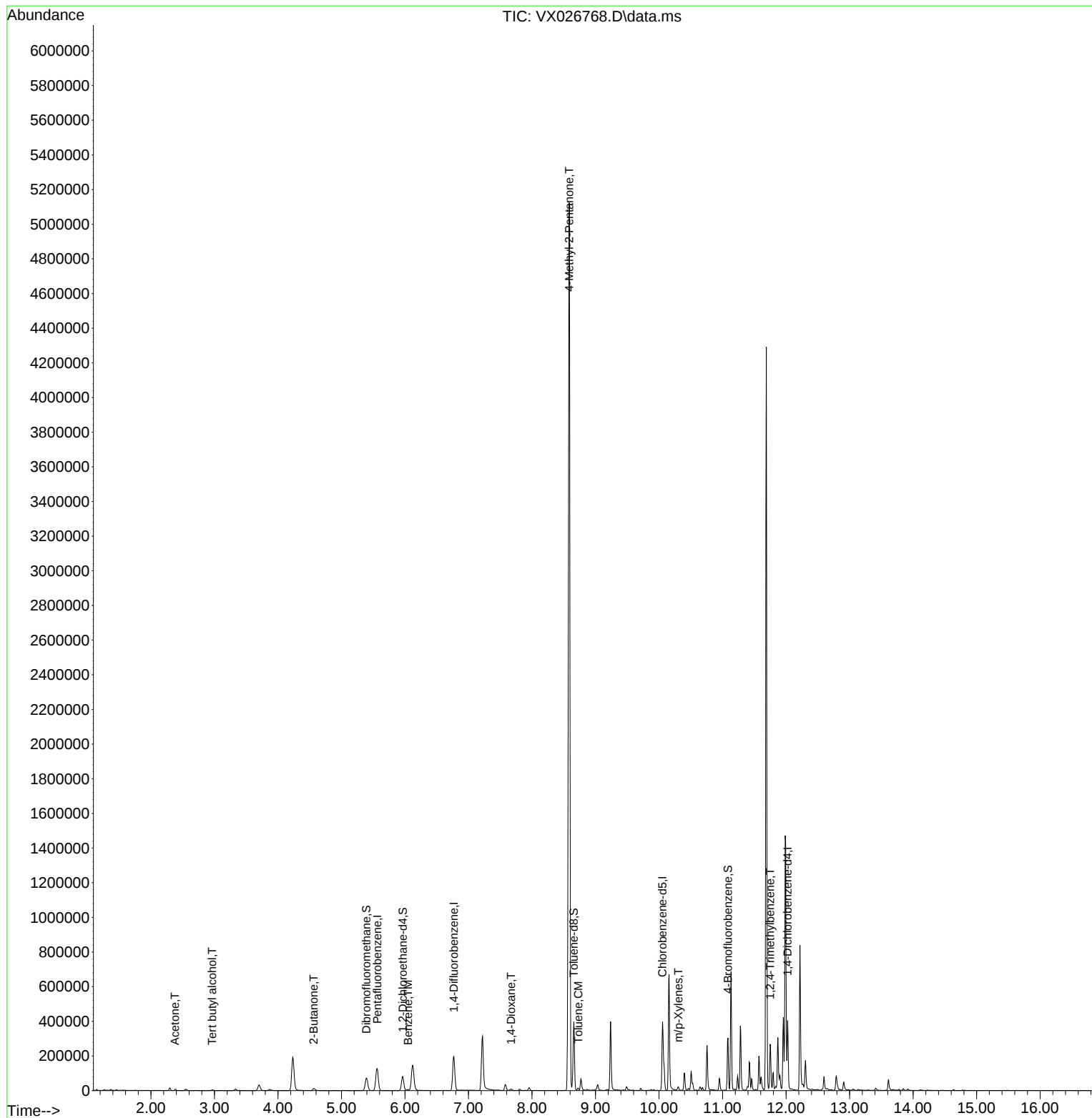
Internal Standards						
1) Pentafluorobenzene	5.562	168	124136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	206602	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	77828	44.881	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.760%
35) Dibromofluoromethane	5.391	113	64185	48.108	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.220%
50) Toluene-d8	8.659	98	232450	48.349	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.700%
62) 4-Bromofluorobenzene	11.085	95	83030	48.615	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	4210	17.452	ug/l	97
16) Acetone	2.380	43	8600	9.725	ug/l	97
25) 2-Butanone	4.562	43	21708	18.876	ug/l	96
40) Benzene	6.050	78	7379	1.268	ug/l	100
49) 1,4-Dioxane	7.671	88	6045	215.972	ug/l	96
51) 4-Methyl-2-Pentanone	8.586	43	3155322	1545.721	ug/l	96
52) Toluene	8.726	92	4603	1.289	ug/l	99
68) m/p-Xylenes	10.305	106	4436	1.743	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	71444	14.293	ug/l #	35

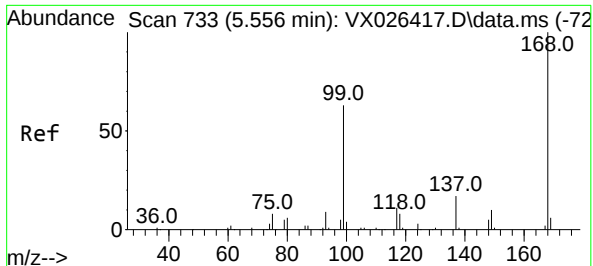
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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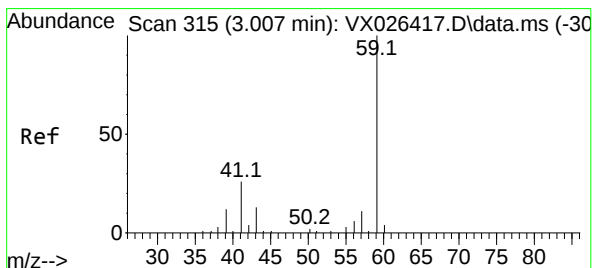
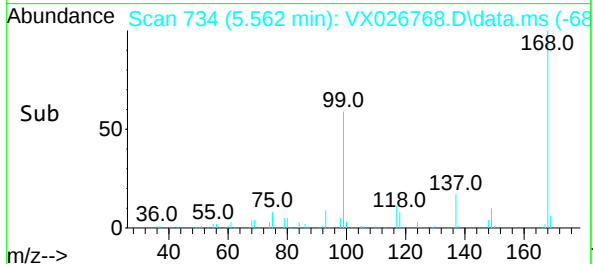
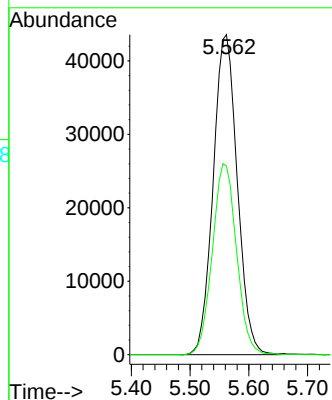
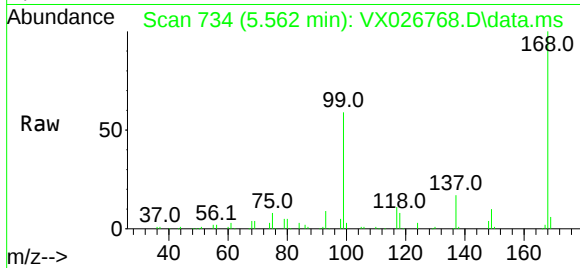




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

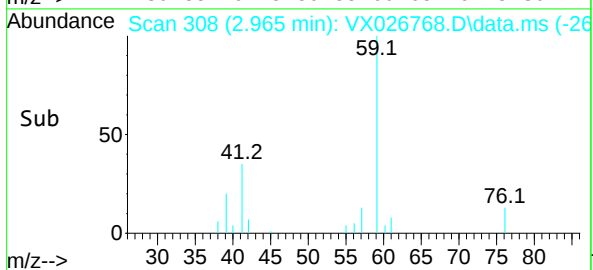
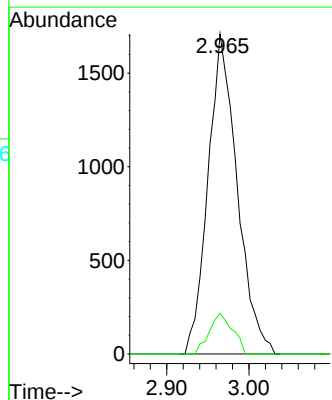
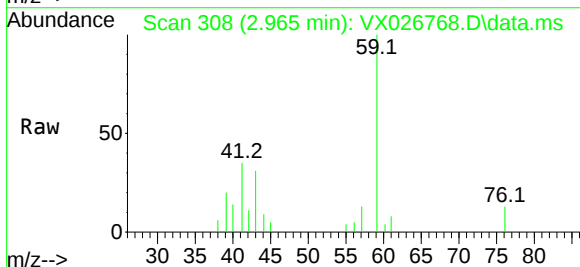
Instrument :
MSVOA_X
ClientSampleId :
34025

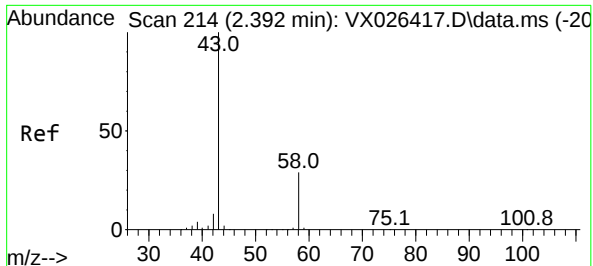
Tgt Ion:168 Resp: 124136
Ion Ratio Lower Upper
168 100
99 59.0 50.3 75.5



#11
Tert butyl alcohol
Concen: 17.452 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.042 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

Tgt Ion: 59 Resp: 4210
Ion Ratio Lower Upper
59 100
57 10.2 7.2 10.8

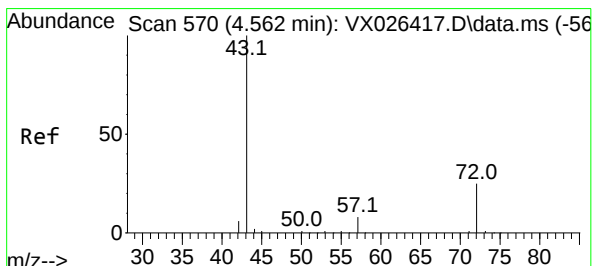
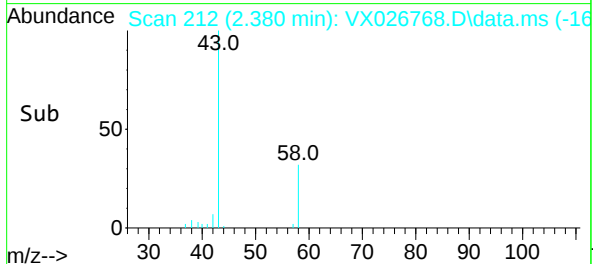
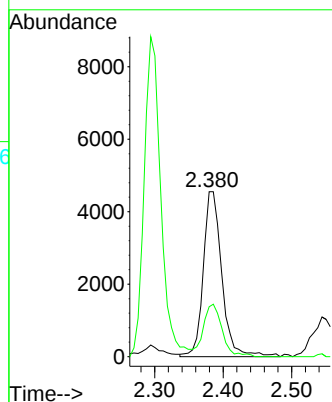
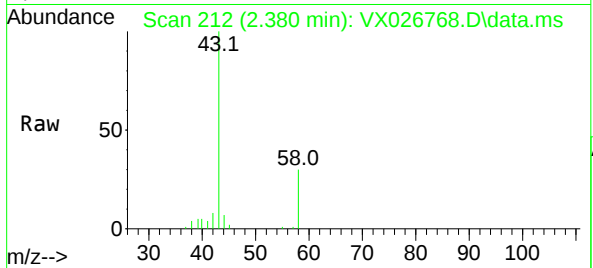




#16
Acetone
Concen: 9.725 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

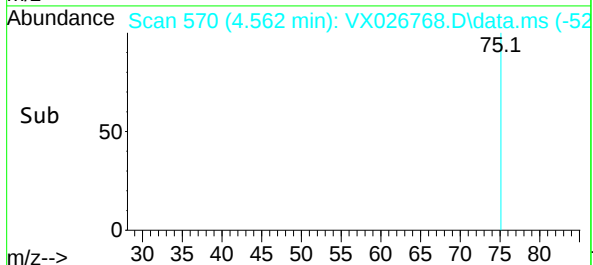
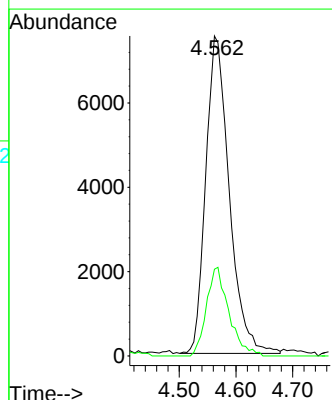
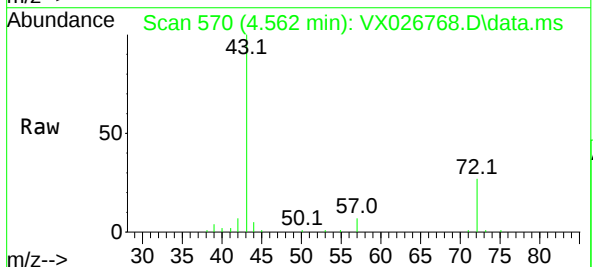
Instrument :
MSVOA_X
ClientSampleId :
34025

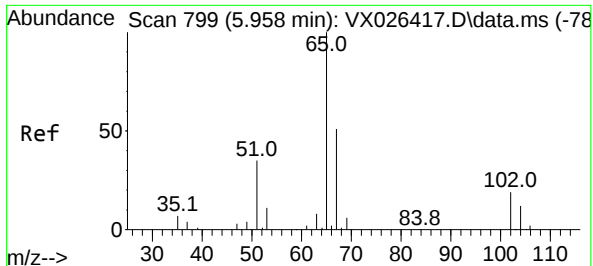
Tgt Ion: 43 Resp: 8600
Ion Ratio Lower Upper
43 100
58 30.3 23.0 34.6



#25
2-Butanone
Concen: 18.876 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

Tgt Ion: 43 Resp: 21708
Ion Ratio Lower Upper
43 100
72 27.3 20.4 30.6

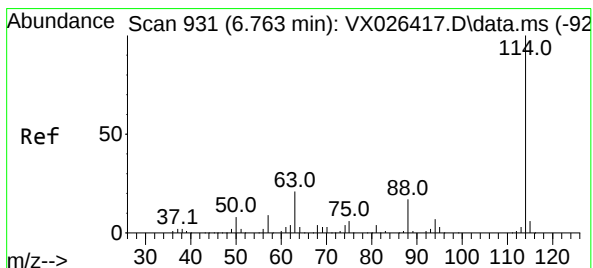
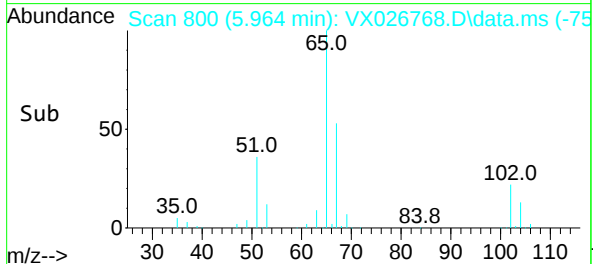
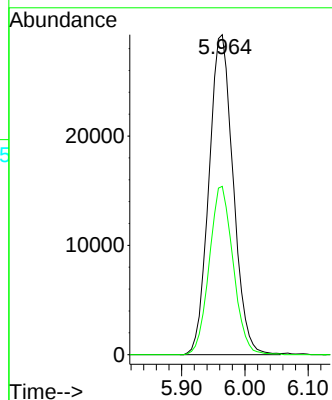
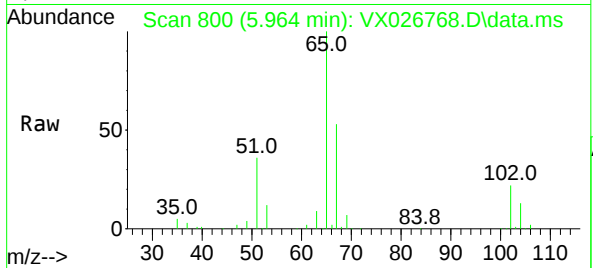




#33
 1,2-Dichloroethane-d4
 Concen: 44.881 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX026768.D
 Acq: 03 Feb 2022 19:08

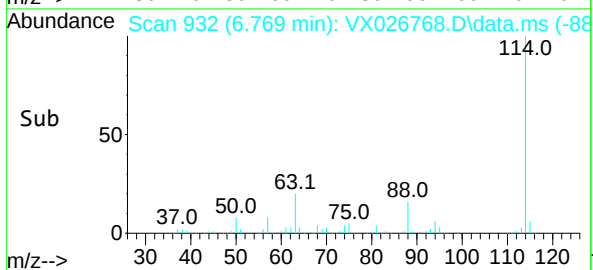
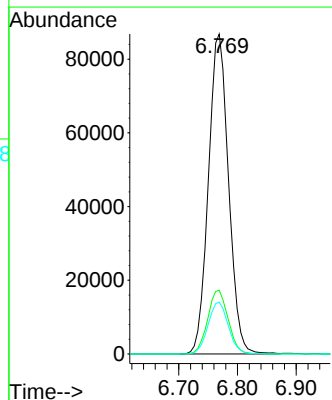
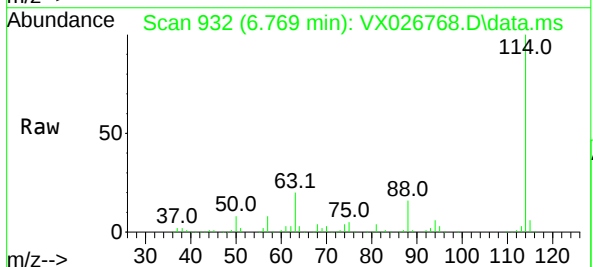
Instrument :
 MSVOA_X
 ClientSampleId :
 34025

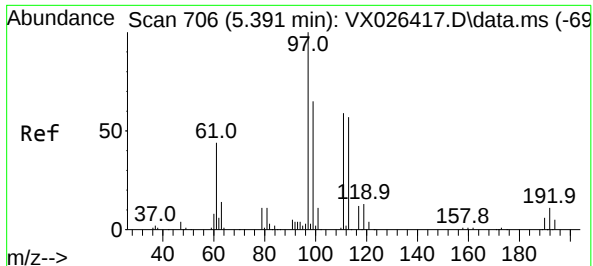
Tgt Ion: 65 Resp: 77828
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX026768.D
 Acq: 03 Feb 2022 19:08

Tgt Ion: 114 Resp: 206602
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.8
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.108 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX026768.D

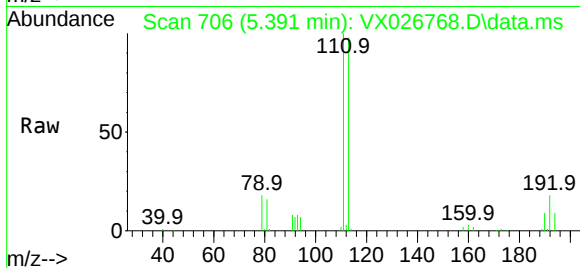
Acq: 03 Feb 2022 19:08

Instrument :

MSVOA_X

ClientSampleId :

34025



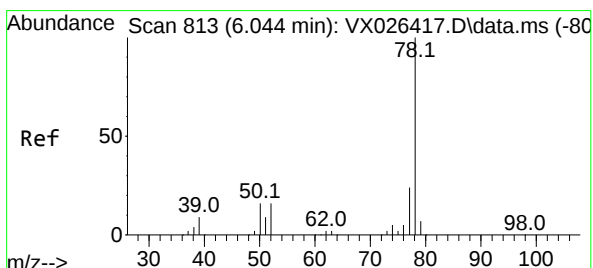
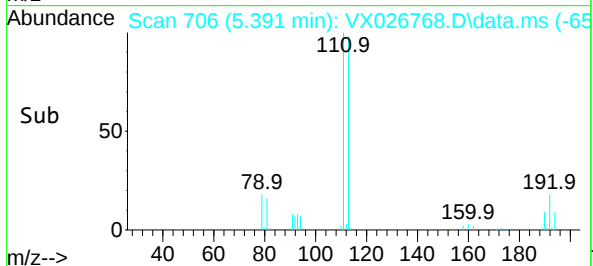
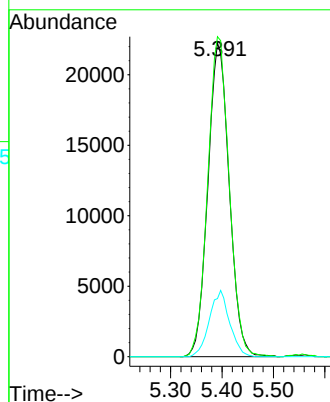
Tgt Ion:113 Resp: 64185

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

192 20.0 15.0 22.4



#40

Benzene

Concen: 1.268 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX026768.D

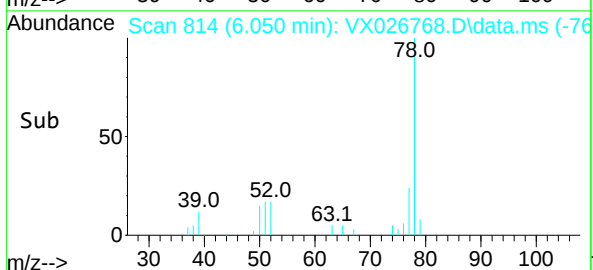
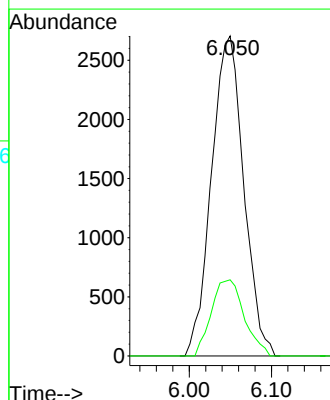
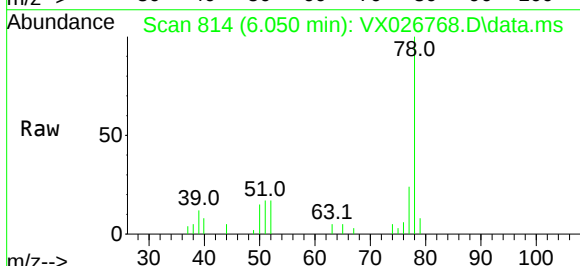
Acq: 03 Feb 2022 19:08

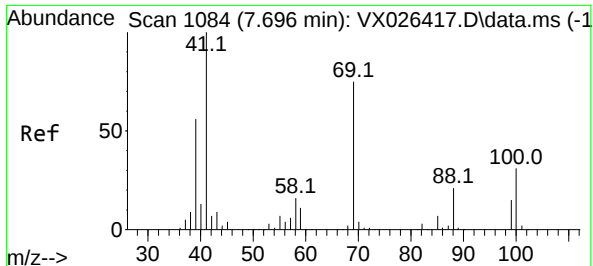
Tgt Ion: 78 Resp: 7379

Ion Ratio Lower Upper

78 100

77 23.8 18.9 28.3





#49

1,4-Dioxane

Concen: 215.972 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. -0.024 min

Lab File: VX026768.D

Acq: 03 Feb 2022 19:08

Instrument :

MSVOA_X

ClientSampleId :

34025

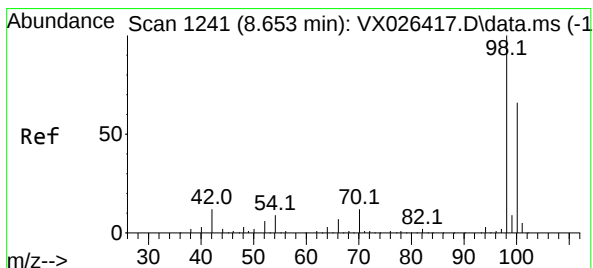
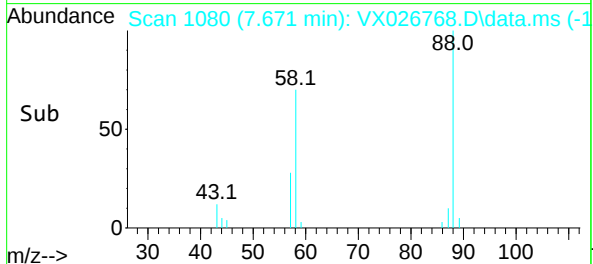
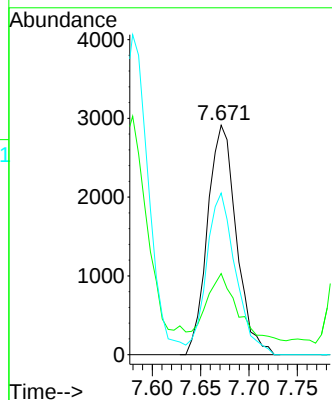
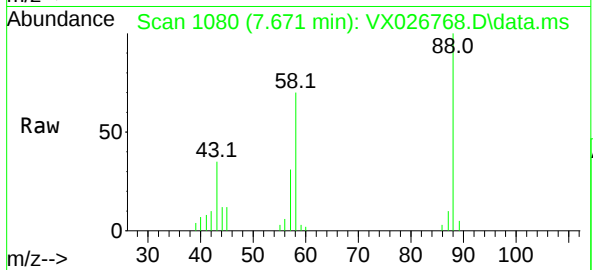
Tgt Ion: 88 Resp: 6045

Ion Ratio Lower Upper

88 100

43 31.0 29.9 44.9

58 71.1 57.8 86.6



#50

Toluene-d8

Concen: 48.349 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VX026768.D

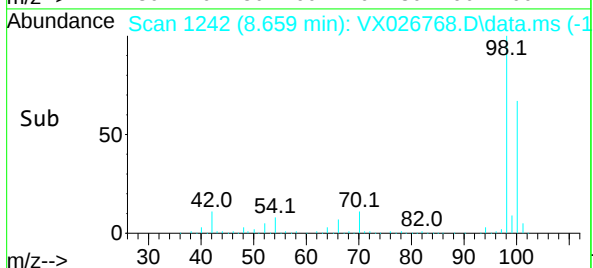
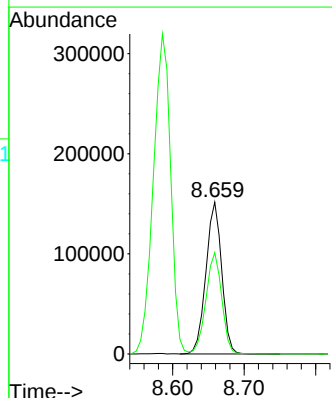
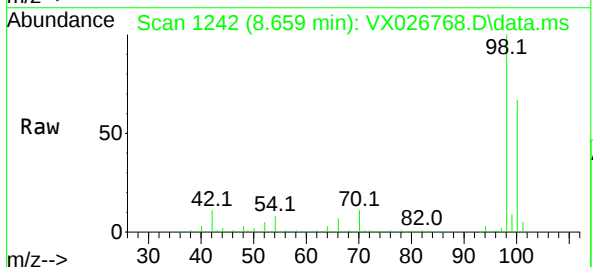
Acq: 03 Feb 2022 19:08

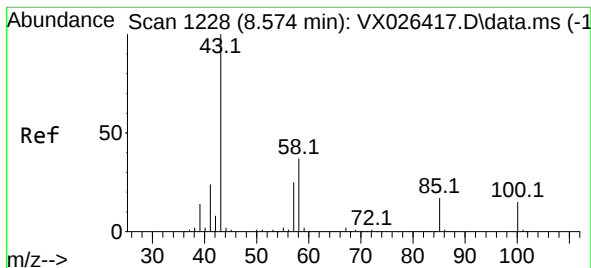
Tgt Ion: 98 Resp: 232450

Ion Ratio Lower Upper

98 100

100 66.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 1545.721 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX026768.D

Acq: 03 Feb 2022 19:08

Instrument :

MSVOA_X

ClientSampleId :

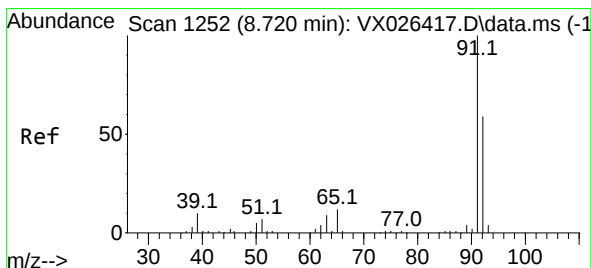
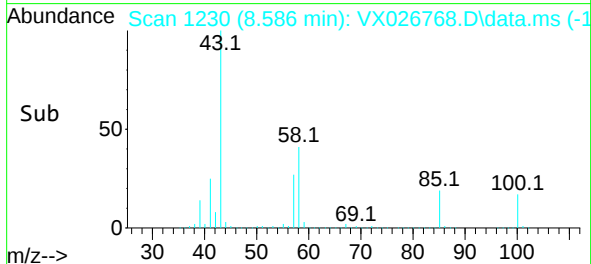
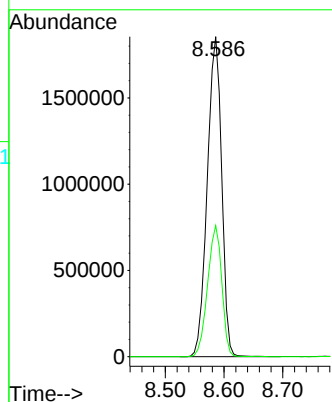
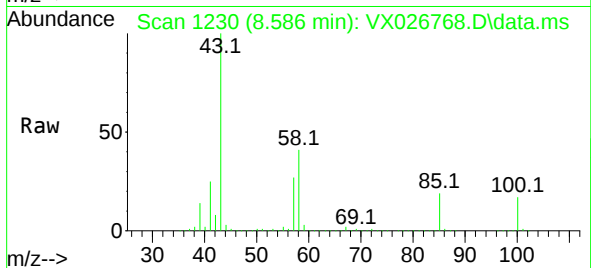
34025

Tgt Ion: 43 Resp: 3155322

Ion Ratio Lower Upper

43 100

58 40.3 30.5 45.7



#52

Toluene

Concen: 1.289 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX026768.D

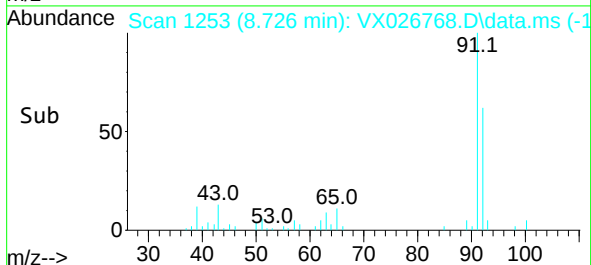
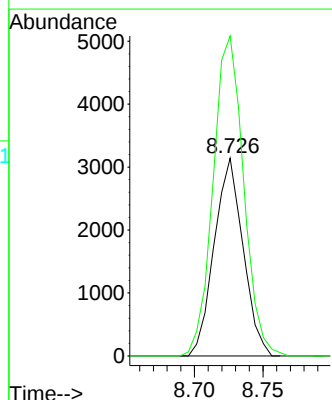
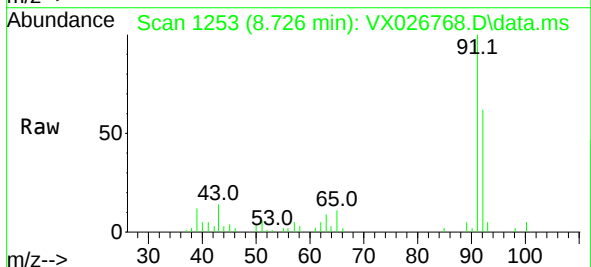
Acq: 03 Feb 2022 19:08

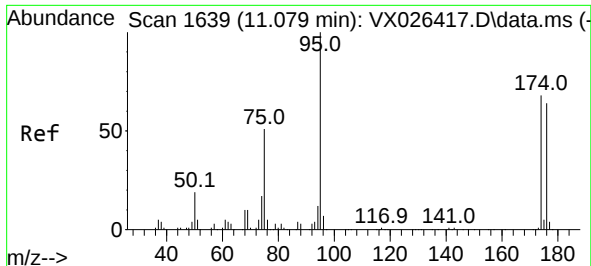
Tgt Ion: 92 Resp: 4603

Ion Ratio Lower Upper

92 100

91 170.7 135.7 203.5

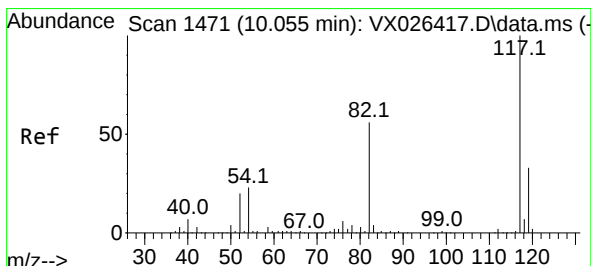
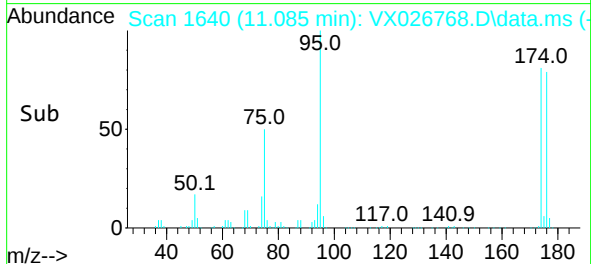
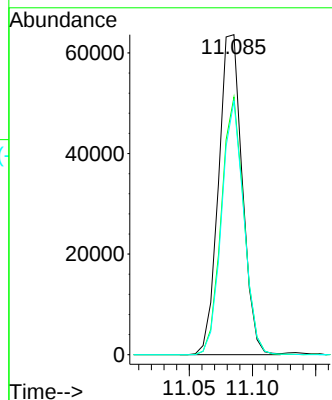
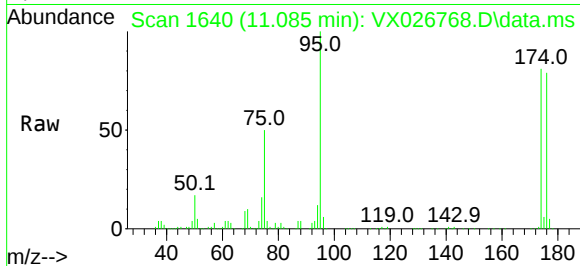




#62
4-Bromofluorobenzene
Concen: 48.615 ug/l
RT: 11.085 min Scan# 11085
Delta R.T. 0.006 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

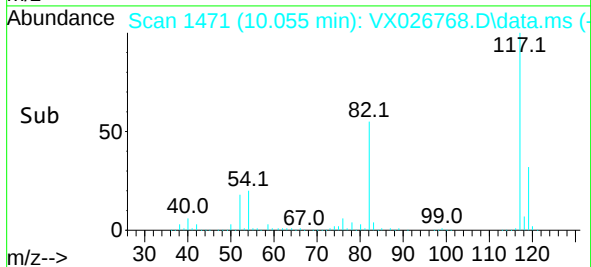
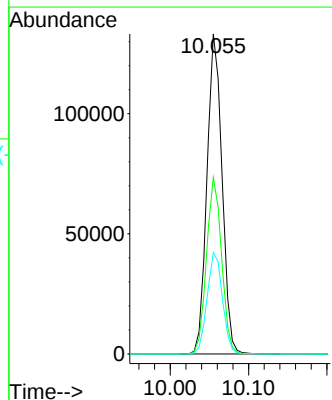
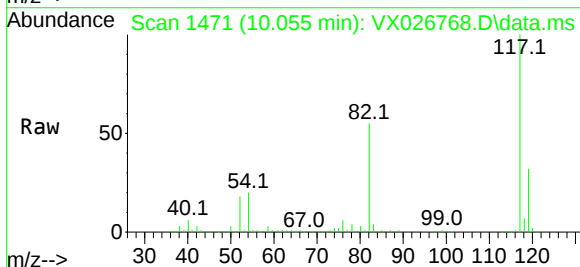
Instrument :
MSVOA_X
ClientSampleId :
34025

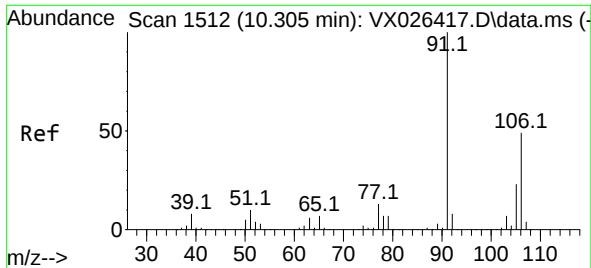
Tgt Ion: 95 Resp: 83030
Ion Ratio Lower Upper
95 100
174 75.9 0.0 148.6
176 74.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

Tgt Ion: 117 Resp: 177723
Ion Ratio Lower Upper
117 100
82 55.1 45.2 67.8
119 31.7 26.2 39.2

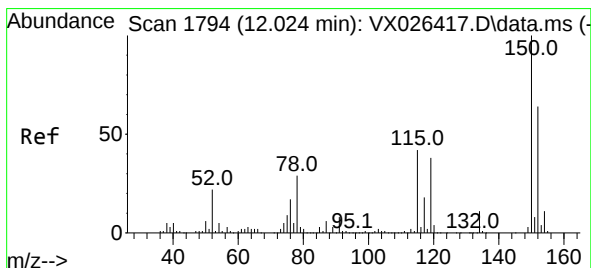
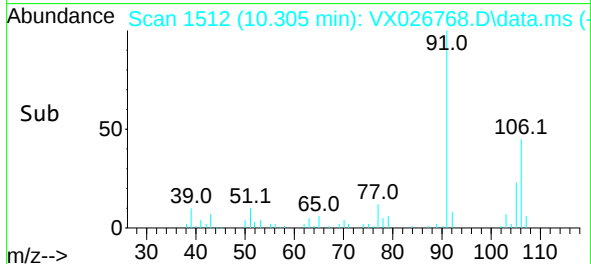
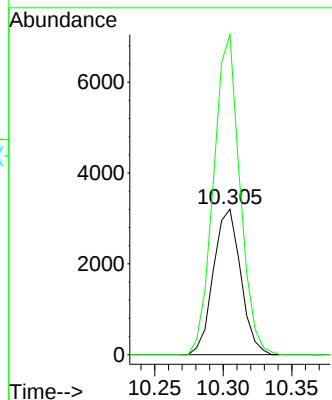
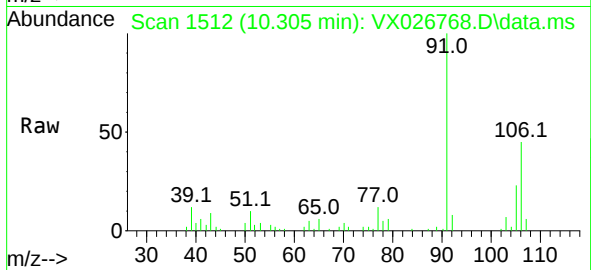




#68
m/p-Xylenes
Concen: 1.743 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

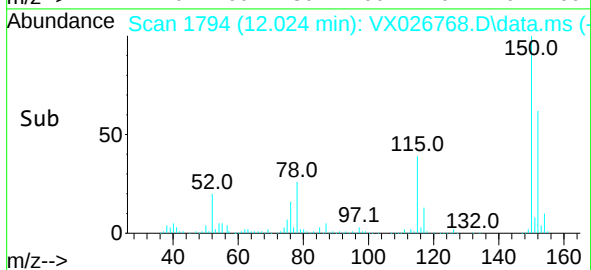
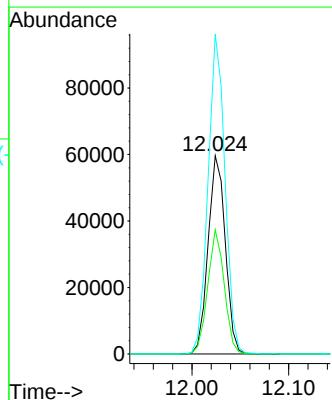
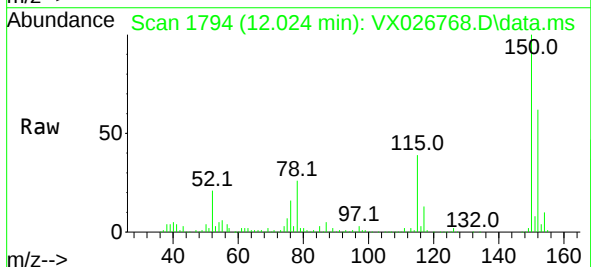
Instrument :
MSVOA_X
ClientSampleId :
34025

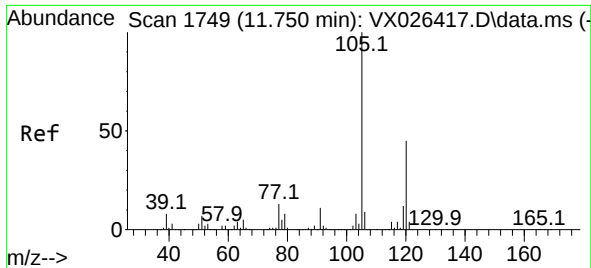
Tgt Ion:106 Resp: 4436
Ion Ratio Lower Upper
106 100
91 212.6 165.3 247.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026768.D
Acq: 03 Feb 2022 19:08

Tgt Ion:152 Resp: 73953
Ion Ratio Lower Upper
152 100
115 60.1 44.2 132.6
150 158.2 0.0 348.2





#84
 1,2,4-Trimethylbenzene
 Concen: 14.293 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX026768.D
 Acq: 03 Feb 2022 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 34025

Tgt Ion:105 Resp: 71444
 Ion Ratio Lower Upper
 105 100
 120 2.0 21.9 65.5#

