

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
 Data File : VX035634.D
 Acq On : 12 May 2023 13:44
 Operator : JC/MD
 Sample : 02702-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33998

Quant Time: May 15 01:55:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	180905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	330269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145017	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	154329	48.901	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.800%
35) Dibromofluoromethane	5.385	113	108538	48.730	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	8.647	98	401429	48.786	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.580%
62) 4-Bromofluorobenzene	11.079	95	169364	51.120	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.240%

Target Compounds

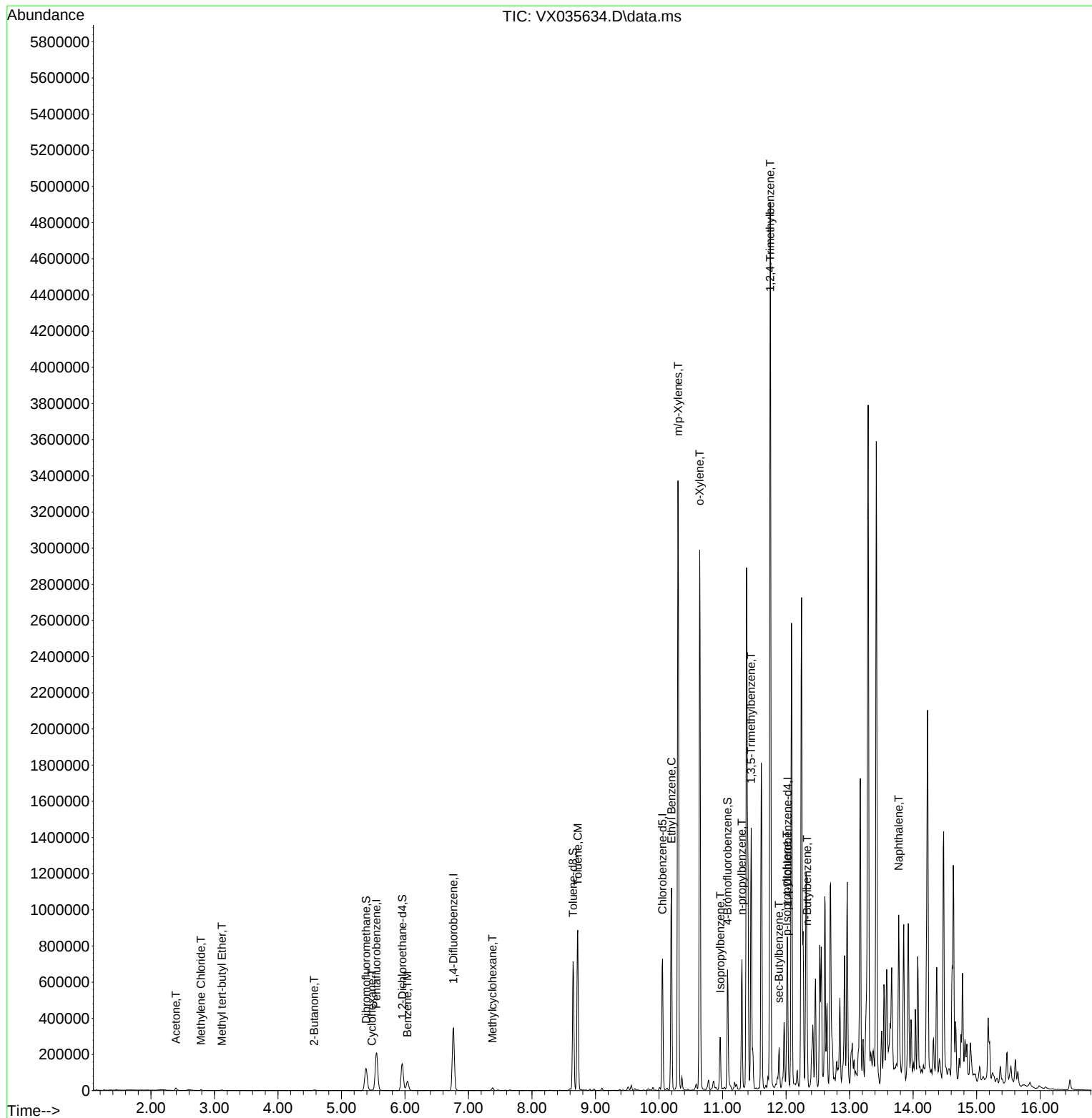
						Qvalue
16) Acetone	2.392	43	17745	13.082	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	3415	0.426	ug/l	98
20) Methylene Chloride	2.788	84	2110	0.858	ug/l #	79
25) 2-Butanone	4.568	43	6355	3.384	ug/l	100
31) Cyclohexane	5.477	56	1758m	0.441	ug/l	
39) Methylcyclohexane	7.379	83	5892	1.424	ug/l #	84
40) Benzene	6.038	78	58529	5.951	ug/l	99
52) Toluene	8.720	92	320365	51.601	ug/l	99
67) Ethyl Benzene	10.195	91	623051	49.616	ug/l	98
68) m/p-Xylenes	10.299	106	701677	151.169	ug/l	95
69) o-Xylene	10.640	106	588596	127.790	ug/l	95
73) Isopropylbenzene	10.964	105	140191	11.472	ug/l	98
78) n-propylbenzene	11.305	91	414578	28.861	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	572906	55.161	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2014890	193.211	ug/l	100
85) sec-Butylbenzene	11.890	105	98119	7.741	ug/l	90
86) p-Isopropyltoluene	12.012	119	65409	6.277	ug/l	99
89) n-Butylbenzene	12.329	91	209358	22.085	ug/l #	44
95) Naphthalene	13.774	128	495772	46.599	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
Data File : VX035634.D
Acq On : 12 May 2023 13:44
Operator : JC/MD
Sample : 02702-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
33998

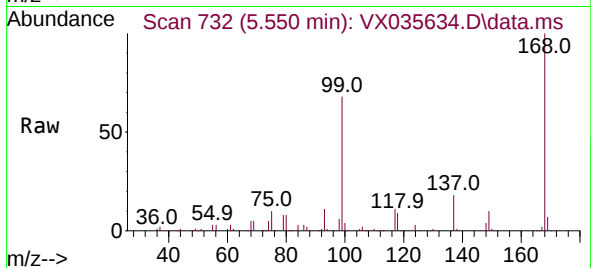
Quant Time: May 15 01:55:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration



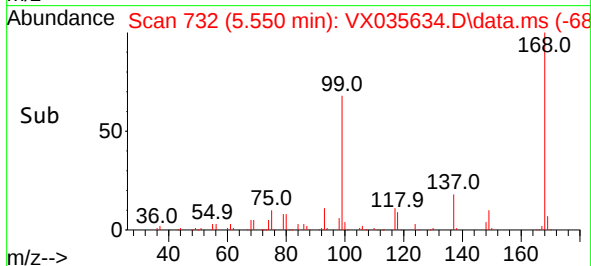
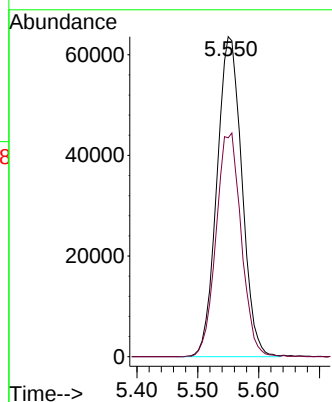


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Instrument :
MSVOA_X
ClientSampleId :
33998

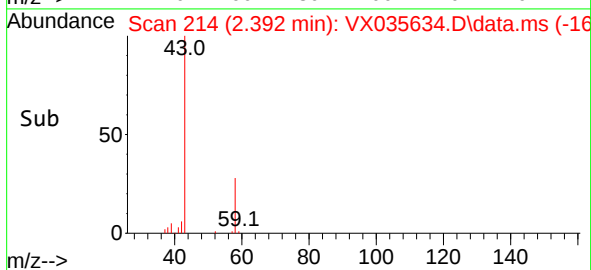
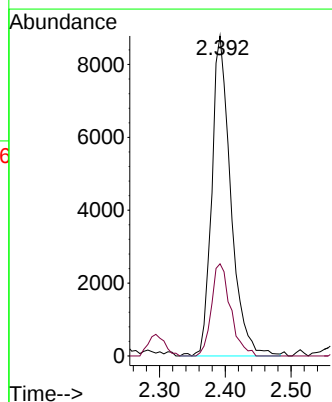
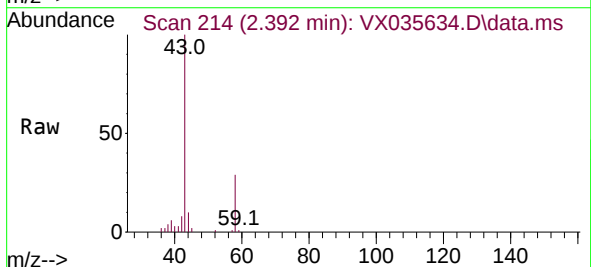


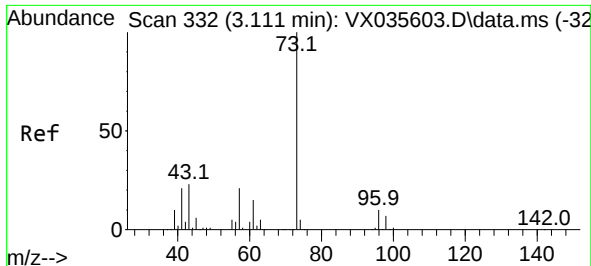
Tgt Ion:168 Resp: 180905
Ion Ratio Lower Upper
168 100
99 68.4 45.7 68.5



#16
Acetone
Concen: 13.082 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion: 43 Resp: 17745
Ion Ratio Lower Upper
43 100
58 28.8 24.7 37.1





#19

Methyl tert-butyl Ether

Concen: 0.426 ug/l

RT: 3.117 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX035634.D

Acq: 12 May 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

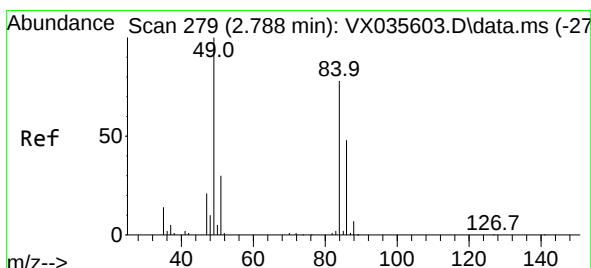
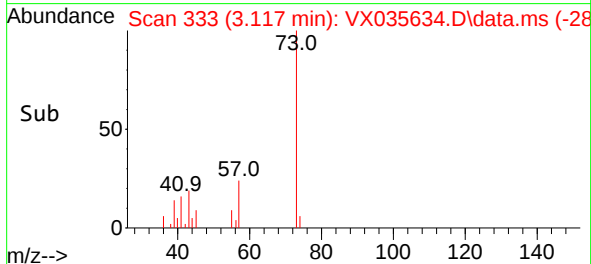
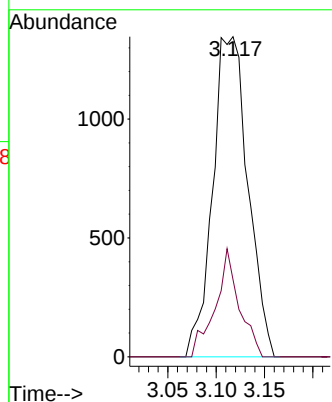
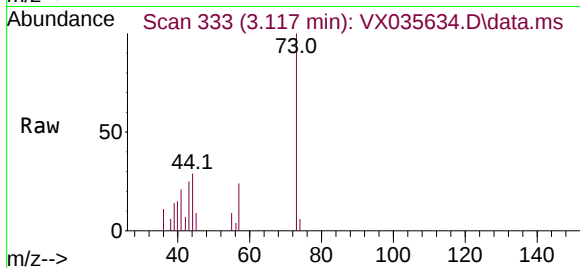
33998

Tgt Ion: 73 Resp: 3415

Ion Ratio Lower Upper

73 100

57 24.1 18.5 27.7



#20

Methylene Chloride

Concen: 0.858 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX035634.D

Acq: 12 May 2023 13:44

Tgt Ion: 84 Resp: 2110

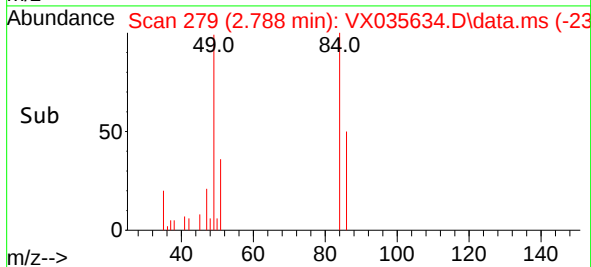
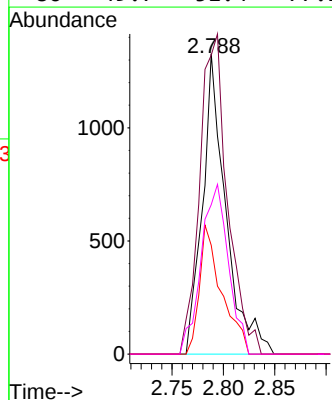
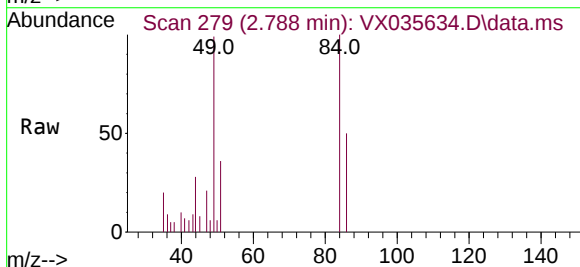
Ion Ratio Lower Upper

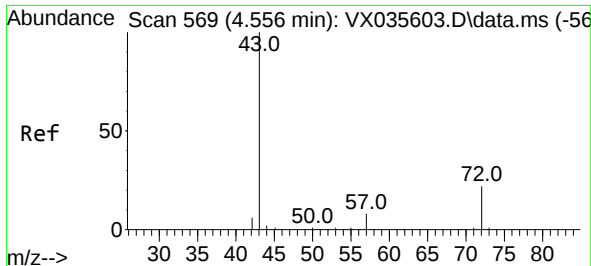
84 100

49 99.5 103.8 155.8#

51 36.2 31.8 47.8

86 49.7 51.4 77.2#

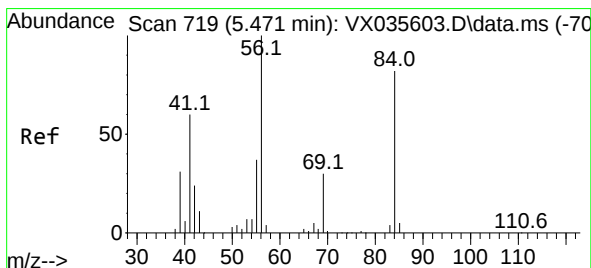
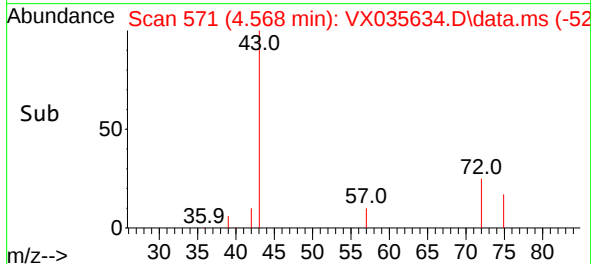
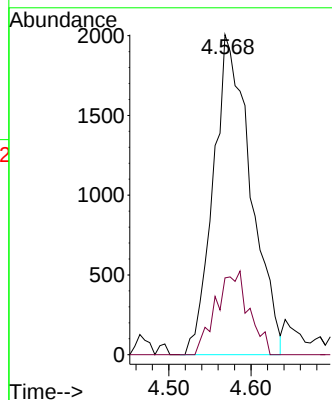
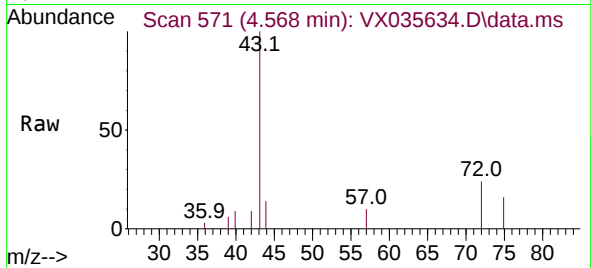




#25
2-Butanone
Concen: 3.384 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

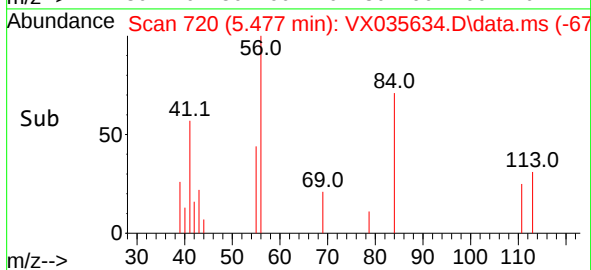
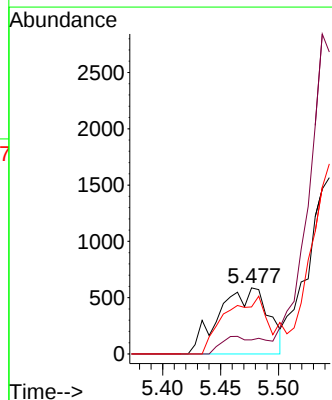
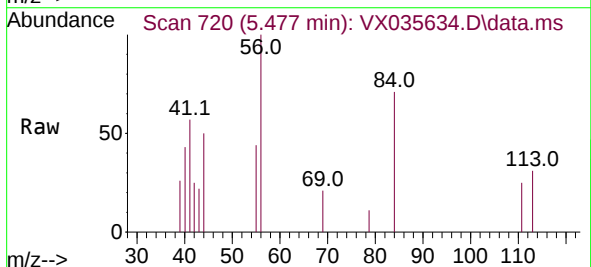
Instrument :
MSVOA_X
ClientSampleId :
33998

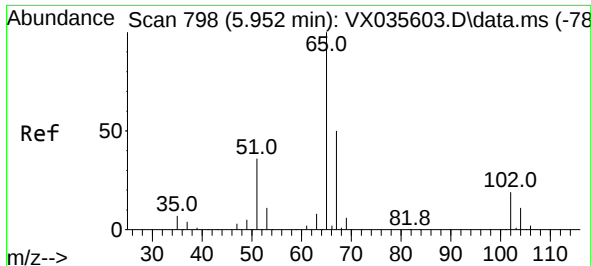
Tgt Ion: 43 Resp: 6355
Ion Ratio Lower Upper
43 100
72 24.0 19.3 28.9



#31
Cyclohexane
Concen: 0.441 ug/l m
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion: 56 Resp: 1758
Ion Ratio Lower Upper
56 100
69 21.5 23.7 35.5#
84 71.2 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 48.901 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035634.D

Acq: 12 May 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

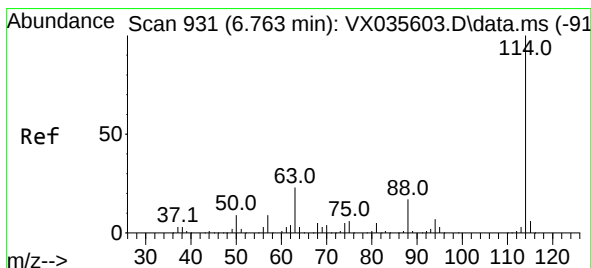
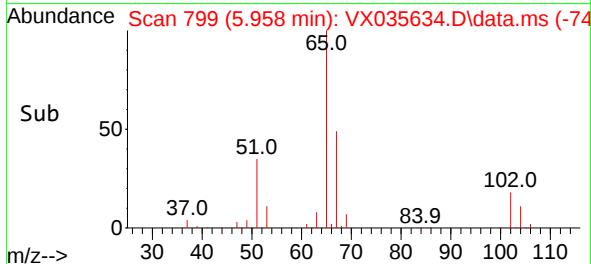
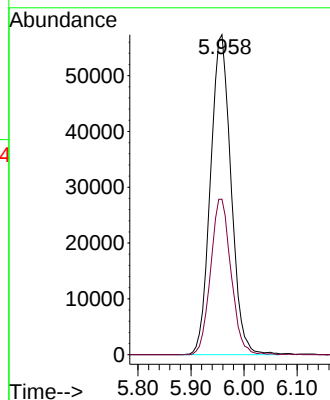
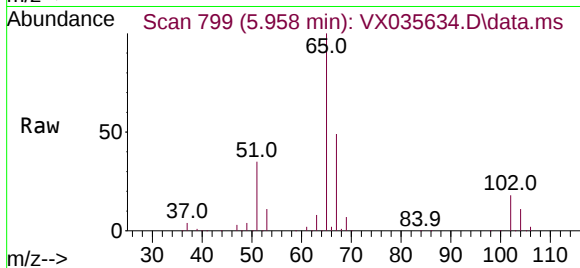
33998

Tgt Ion: 65 Resp: 154329

Ion Ratio Lower Upper

65 100

67 48.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035634.D

Acq: 12 May 2023 13:44

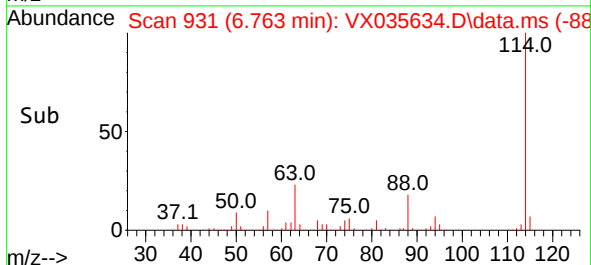
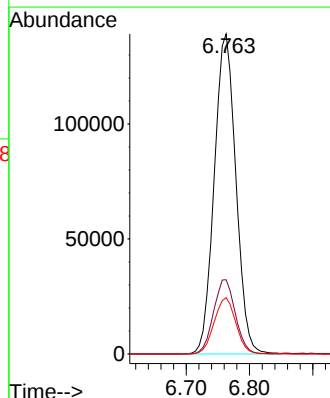
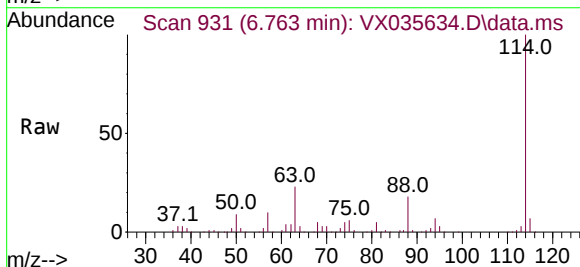
Tgt Ion: 114 Resp: 330269

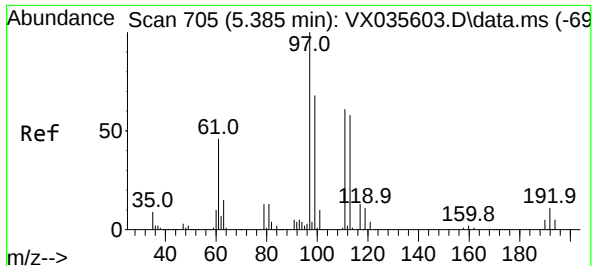
Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.2

88 17.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.730 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035634.D

Acq: 12 May 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

33998

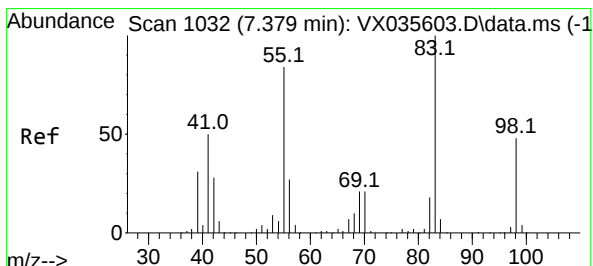
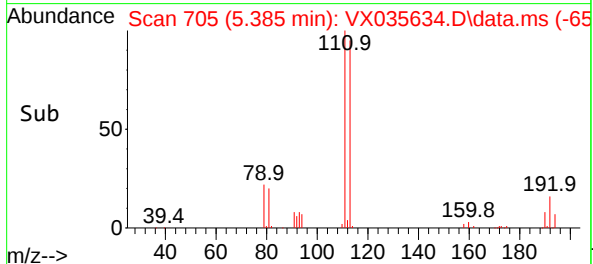
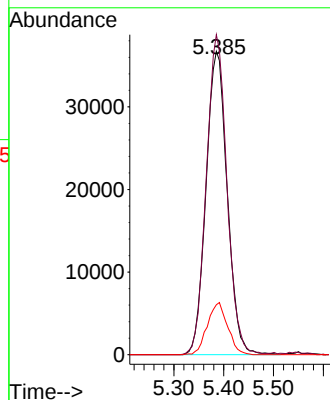
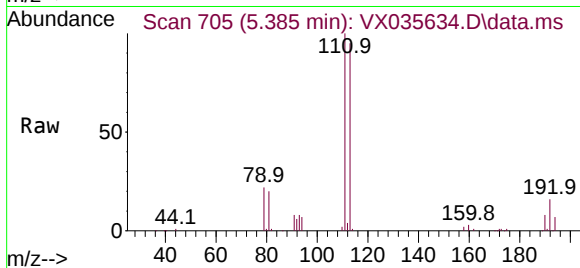
Tgt Ion:113 Resp: 108538

Ion Ratio Lower Upper

113 100

111 102.6 83.7 125.5

192 16.5 15.4 23.2



#39

Methylcyclohexane

Concen: 1.424 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX035634.D

Acq: 12 May 2023 13:44

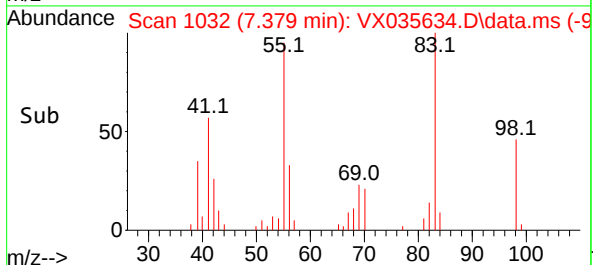
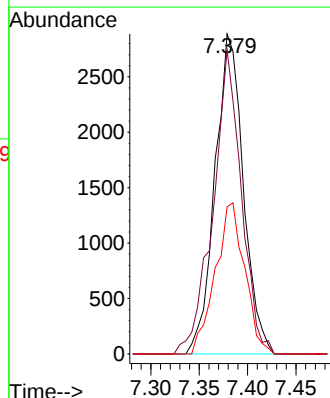
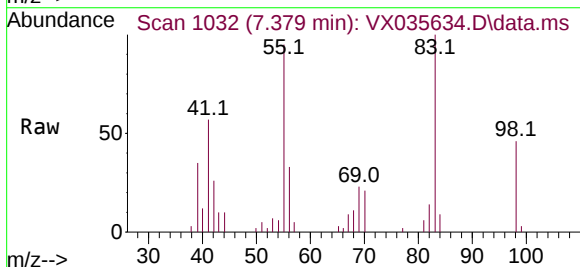
Tgt Ion: 83 Resp: 5892

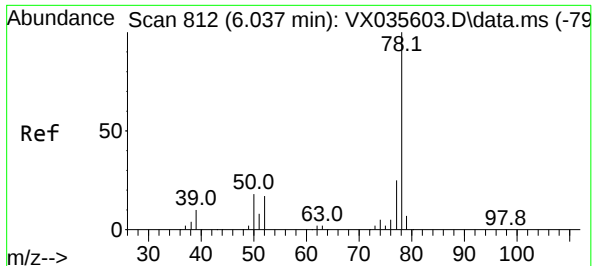
Ion Ratio Lower Upper

83 100

55 95.0 60.5 90.7#

98 45.9 40.4 60.6





#40

Benzene

Concen: 5.951 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.001 min

Lab File: VX035634.D

Acq: 12 May 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

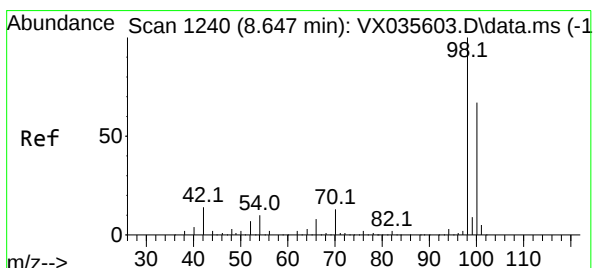
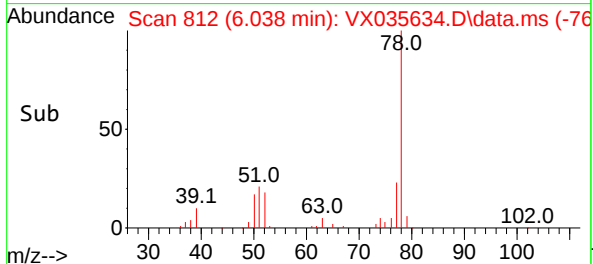
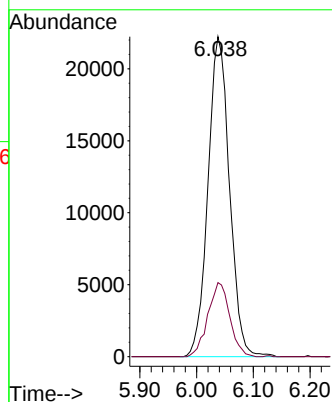
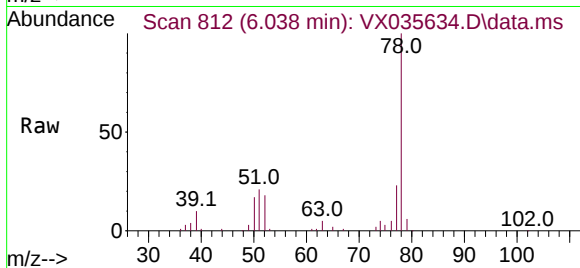
33998

Tgt Ion: 78 Resp: 58529

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4



#50

Toluene-d8

Concen: 48.786 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035634.D

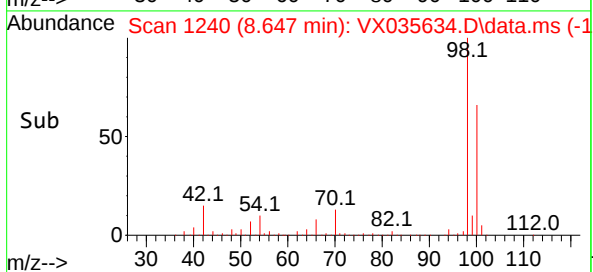
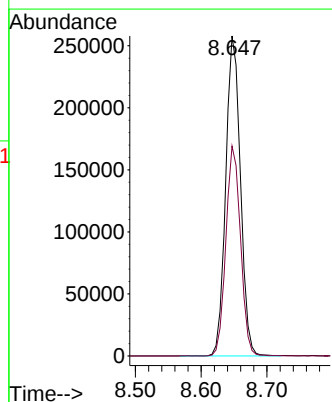
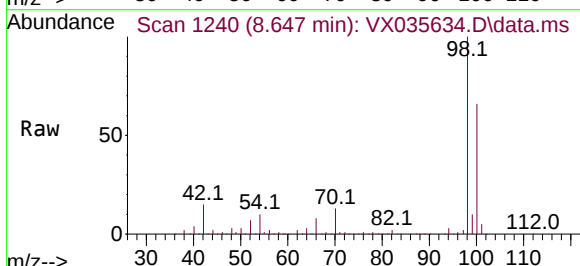
Acq: 12 May 2023 13:44

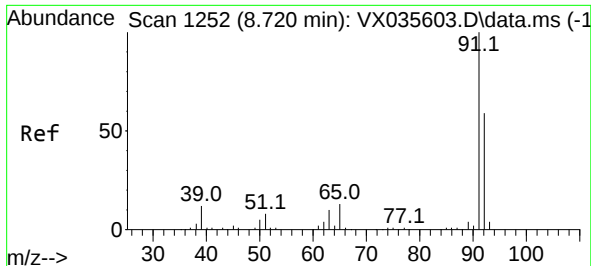
Tgt Ion: 98 Resp: 401429

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

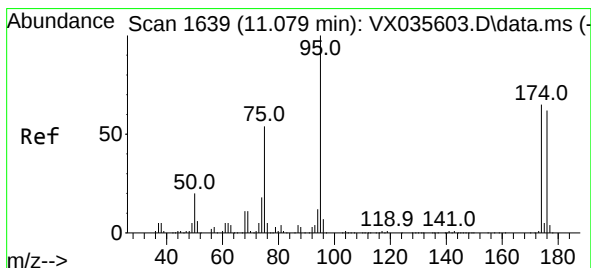
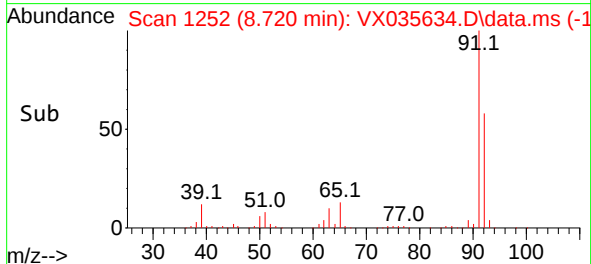
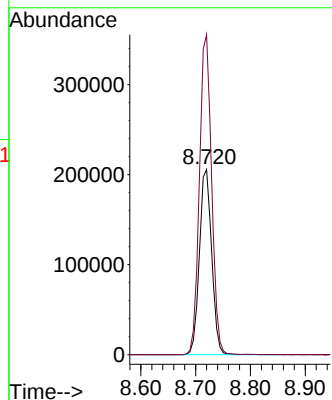
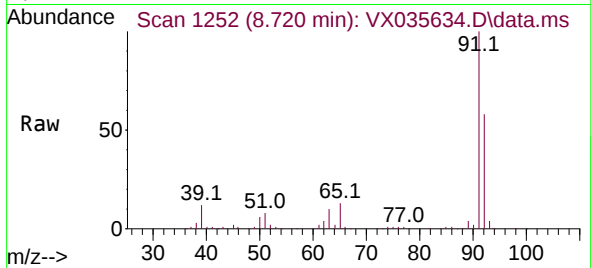




#52
Toluene
Concen: 51.601 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

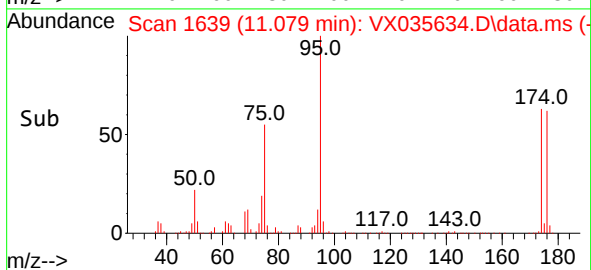
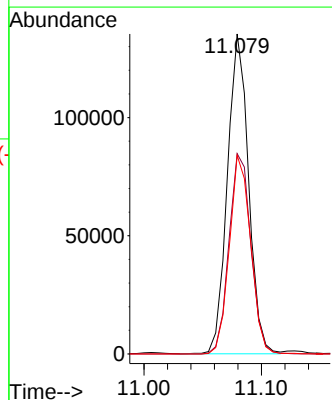
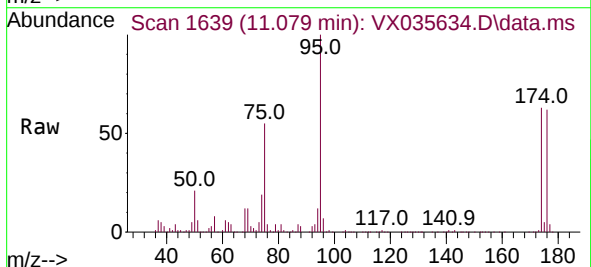
Instrument :
MSVOA_X
ClientSampleId :
33998

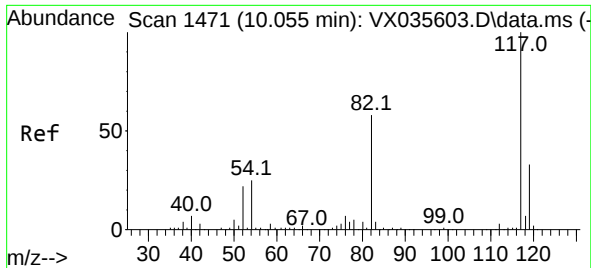
Tgt Ion: 92 Resp: 320365
Ion Ratio Lower Upper
92 100
91 172.1 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 51.120 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion: 95 Resp: 169364
Ion Ratio Lower Upper
95 100
174 64.8 0.0 147.4
176 62.5 0.0 140.6

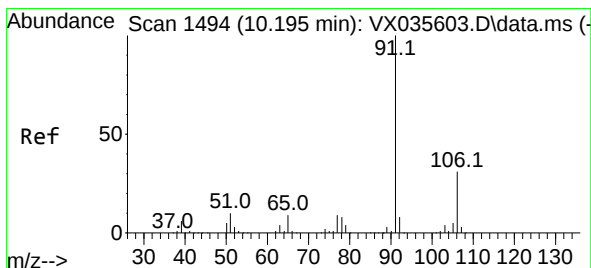
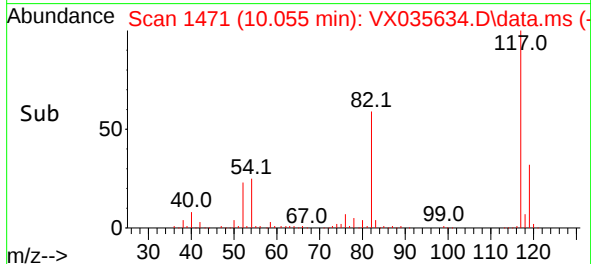
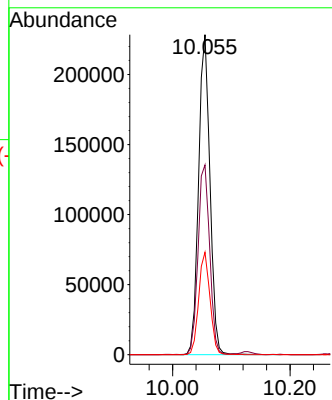
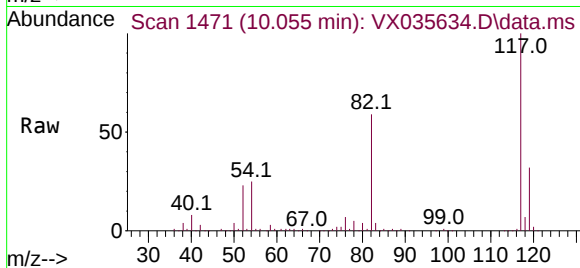




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

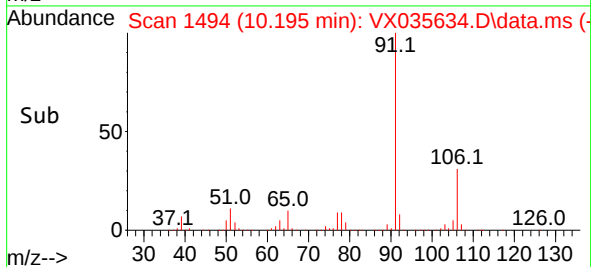
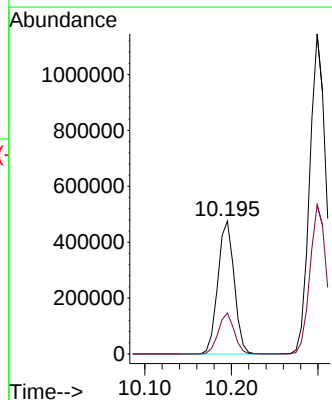
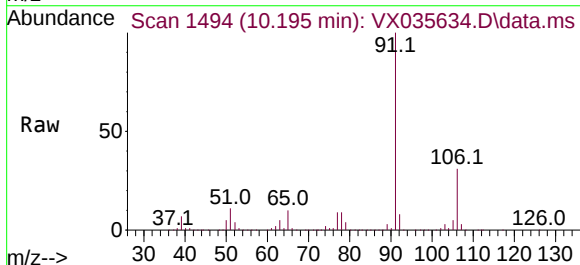
Instrument :
MSVOA_X
ClientSampleId :
33998

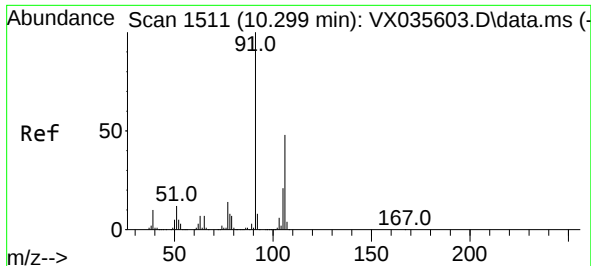
Tgt Ion:117 Resp: 305873
Ion Ratio Lower Upper
117 100
82 59.2 45.0 67.4
119 32.0 26.0 39.0



#67
Ethyl Benzene
Concen: 49.616 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion: 91 Resp: 623051
Ion Ratio Lower Upper
91 100
106 30.8 25.6 38.4

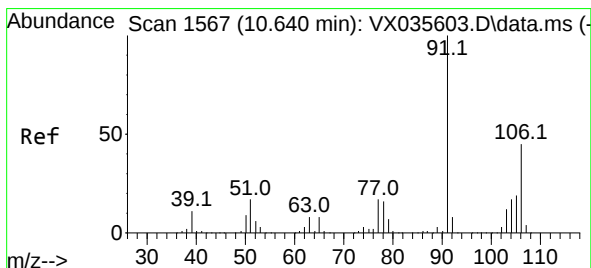
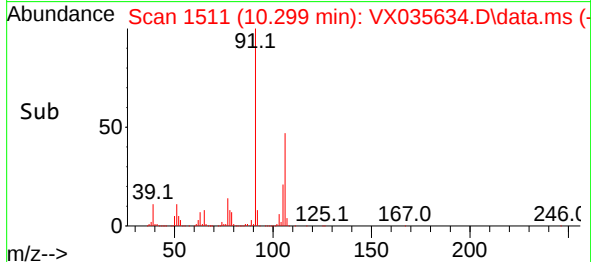
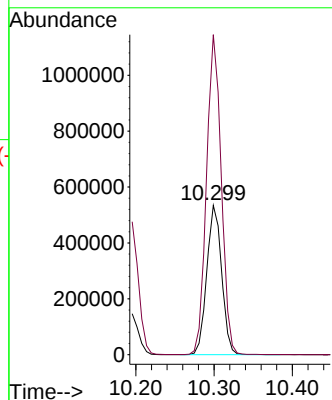
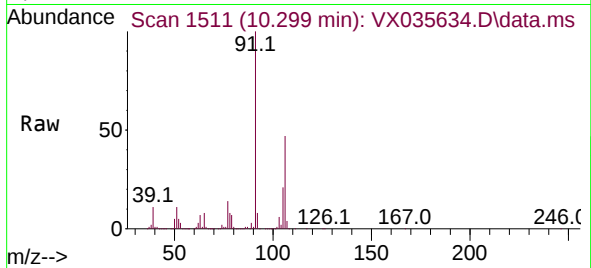




#68
m/p-Xylenes
Concen: 151.169 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

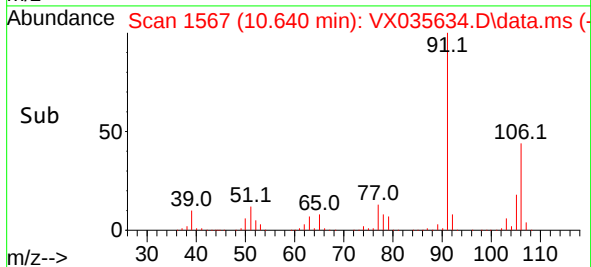
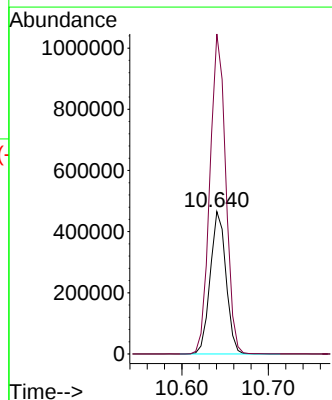
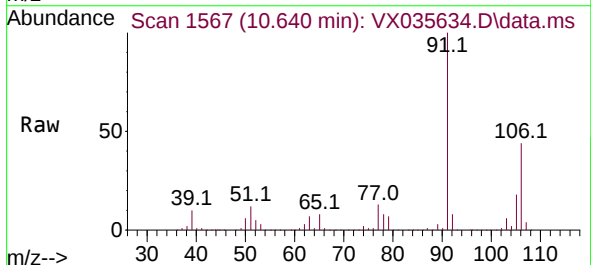
Instrument :
MSVOA_X
ClientSampleId :
33998

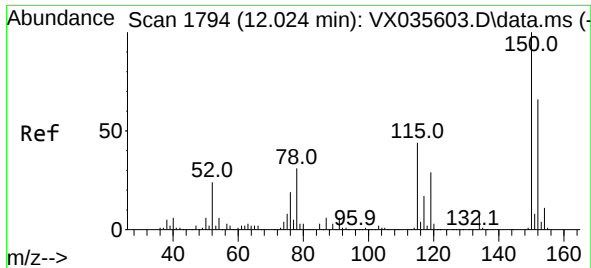
Tgt Ion:106 Resp: 701677
Ion Ratio Lower Upper
106 100
91 213.0 164.0 246.0



#69
o-Xylene
Concen: 127.790 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion:106 Resp: 588596
Ion Ratio Lower Upper
106 100
91 225.6 108.5 325.3

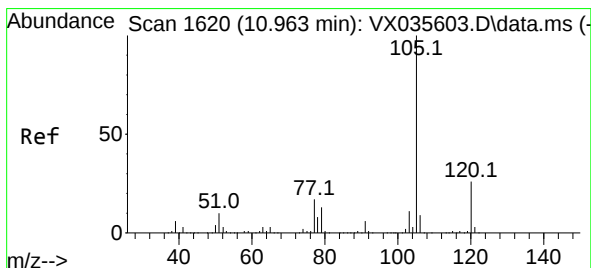
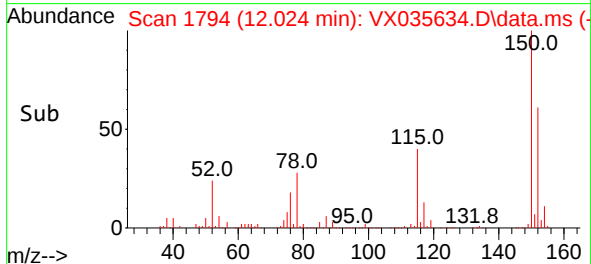
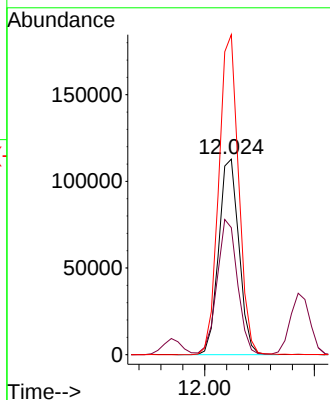
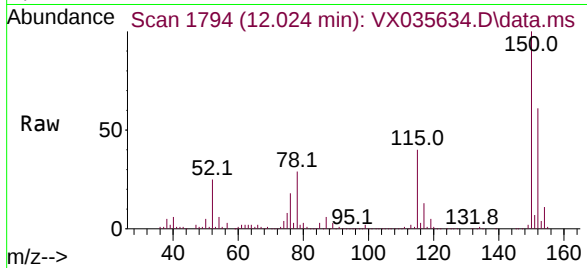




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX035634.D
 Acq: 12 May 2023 13:44

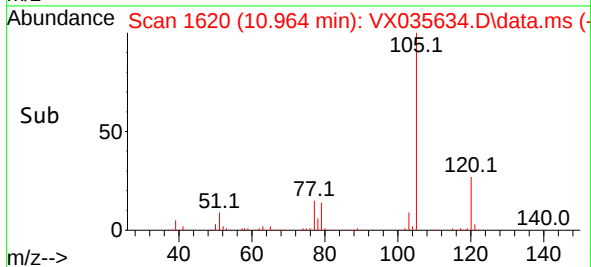
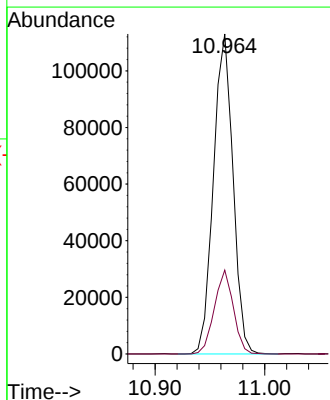
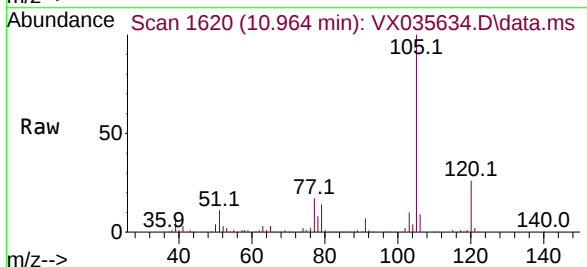
Instrument :
 MSVOA_X
 ClientSampleId :
 33998

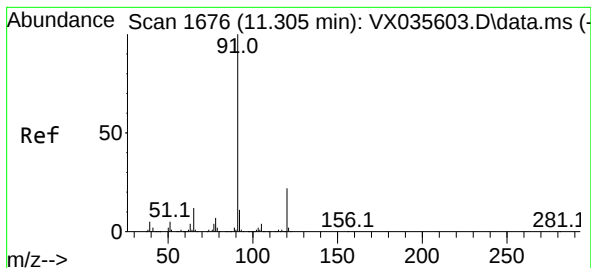
Tgt Ion:152 Resp: 145017
 Ion Ratio Lower Upper
 152 100
 115 69.8 45.0 135.0
 150 160.4 0.0 352.4



#73
 Isopropylbenzene
 Concen: 11.472 ug/l
 RT: 10.964 min Scan# 1620
 Delta R.T. 0.001 min
 Lab File: VX035634.D
 Acq: 12 May 2023 13:44

Tgt Ion:105 Resp: 140191
 Ion Ratio Lower Upper
 105 100
 120 25.4 13.3 39.9

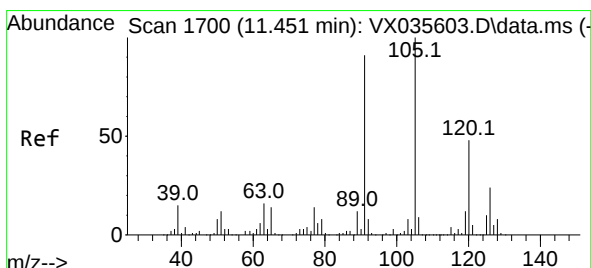
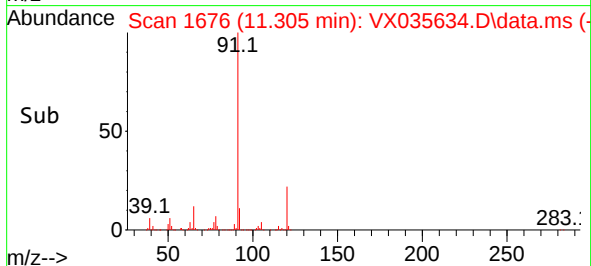
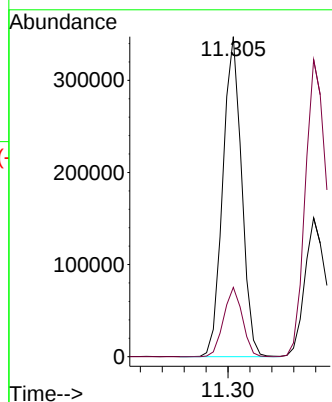
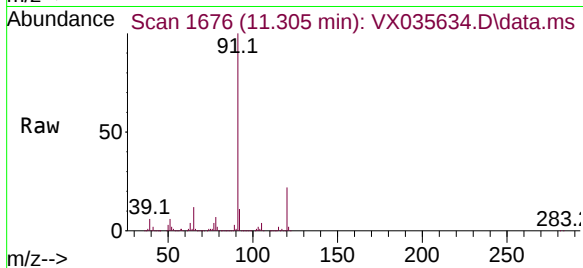




#78
n-propylbenzene
Concen: 28.861 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

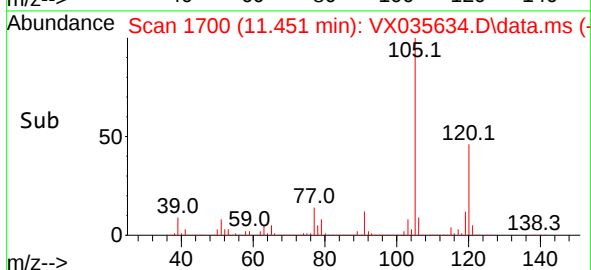
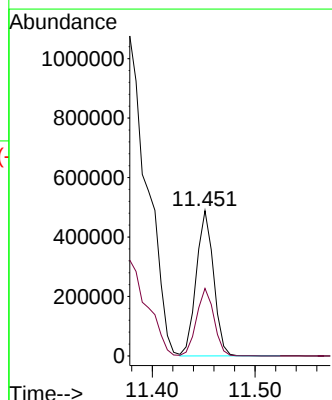
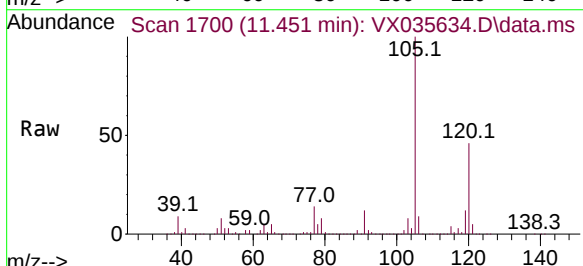
Instrument :
MSVOA_X
ClientSampleId :
33998

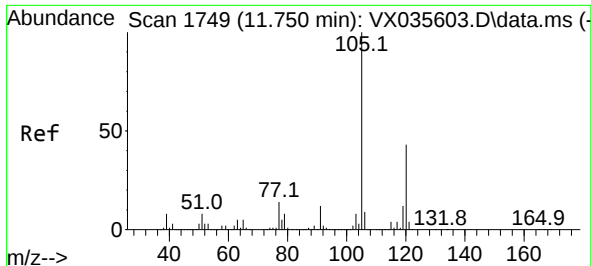
Tgt Ion: 91 Resp: 414578
Ion Ratio Lower Upper
91 100
120 21.6 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 55.161 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion: 105 Resp: 572906
Ion Ratio Lower Upper
105 100
120 46.8 23.7 71.1

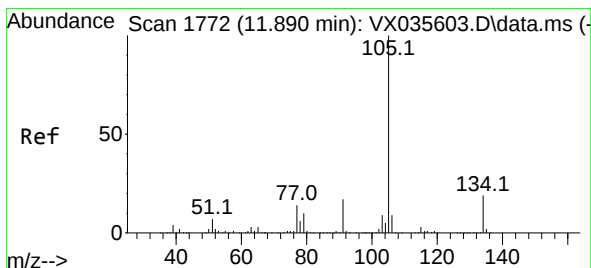
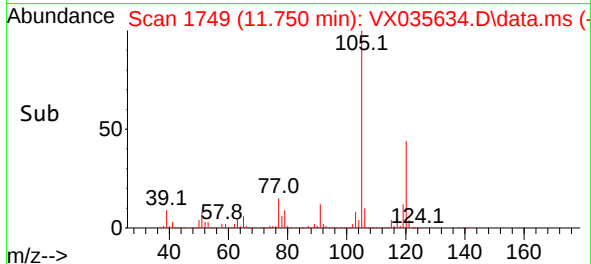
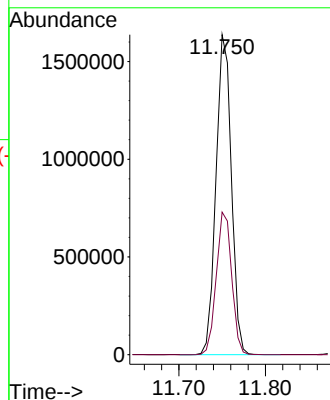
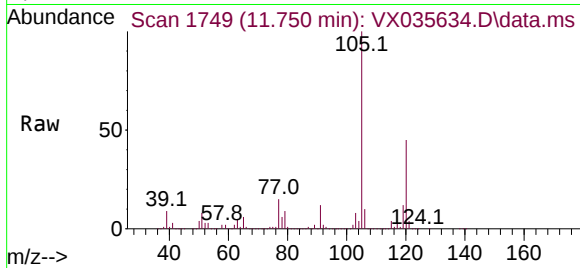




#84
1,2,4-Trimethylbenzene
Concen: 193.211 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

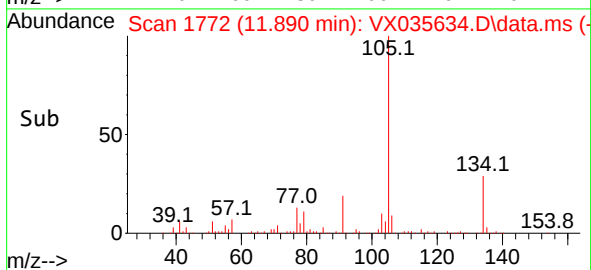
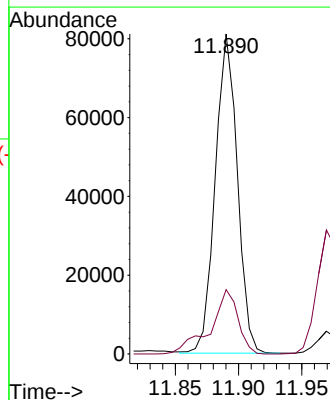
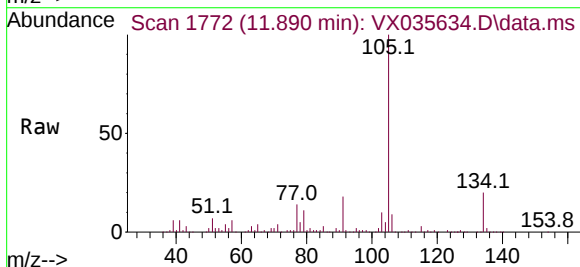
Instrument :
MSVOA_X
ClientSampleId :
33998

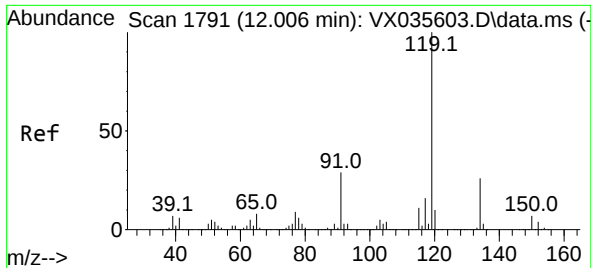
Tgt Ion:105 Resp: 2014890
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.0



#85
sec-Butylbenzene
Concen: 7.741 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion:105 Resp: 98119
Ion Ratio Lower Upper
105 100
134 25.1 10.2 30.4

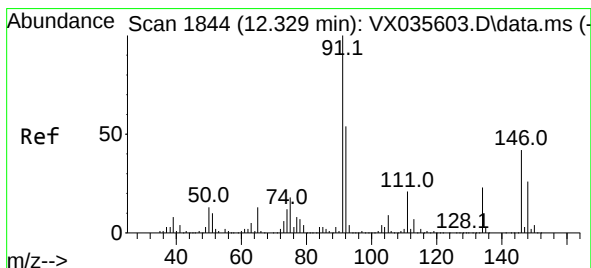
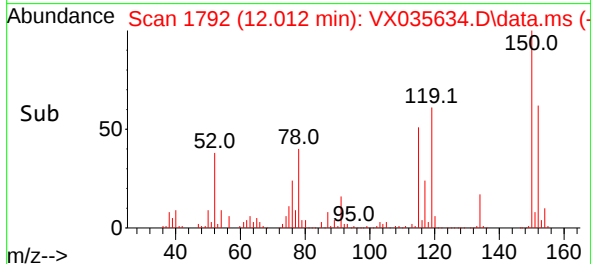
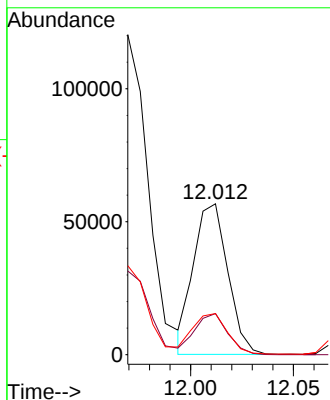
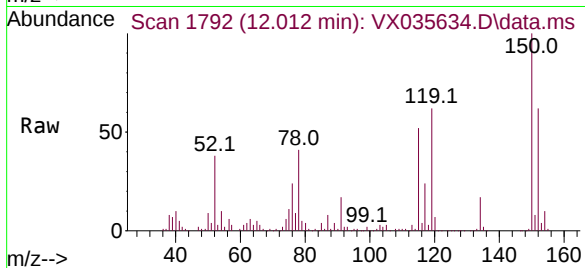




#86
p-Isopropyltoluene
Concen: 6.277 ug/l
RT: 12.012 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

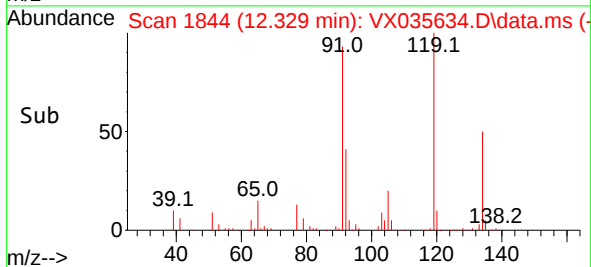
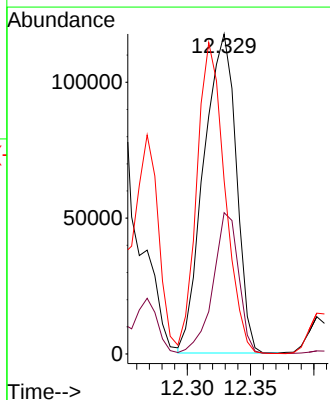
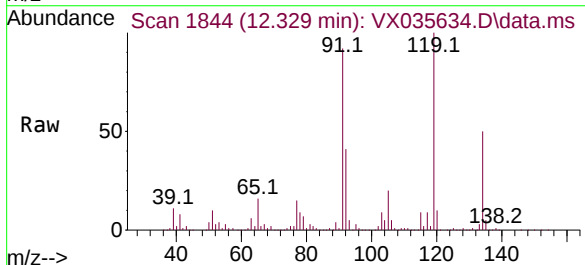
Instrument :
MSVOA_X
ClientSampleId :
33998

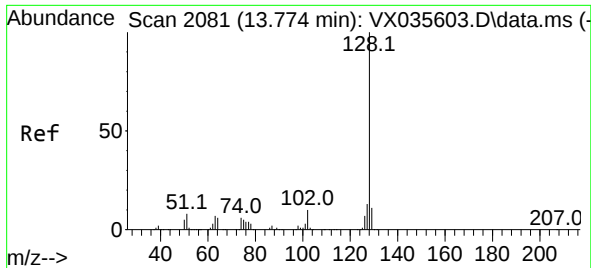
Tgt Ion:119 Resp: 65409
Ion Ratio Lower Upper
119 100
134 26.3 13.2 39.5
91 27.2 12.9 38.7



#89
n-Butylbenzene
Concen: 22.085 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX035634.D
Acq: 12 May 2023 13:44

Tgt Ion: 91 Resp: 209358
Ion Ratio Lower Upper
91 100
92 34.8 27.7 83.0
134 84.2 13.0 38.9#





#95

Naphthalene

Concen: 46.599 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX035634.D

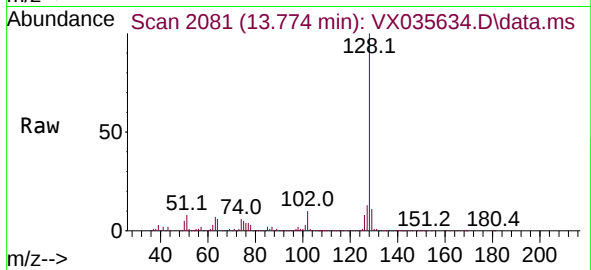
Acq: 12 May 2023 13:44

Instrument :

MSVOA_X

ClientSampleId :

33998



Tgt Ion:128 Resp: 495772

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.8 8.6 13.0

