

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036832.D
 Acq On : 07 Aug 2023 13:06
 Operator : JC/MD
 Sample : 03899-03
 Misc : 1.11g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15017

Quant Time: Aug 08 01:33:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	128929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	230407	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119827	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87540	45.888	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.780%
35) Dibromofluoromethane	5.385	113	68788	43.435	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.880%
50) Toluene-d8	8.647	98	280152	49.884	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.760%
62) 4-Bromofluorobenzene	11.085	95	119596	56.443	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.880%

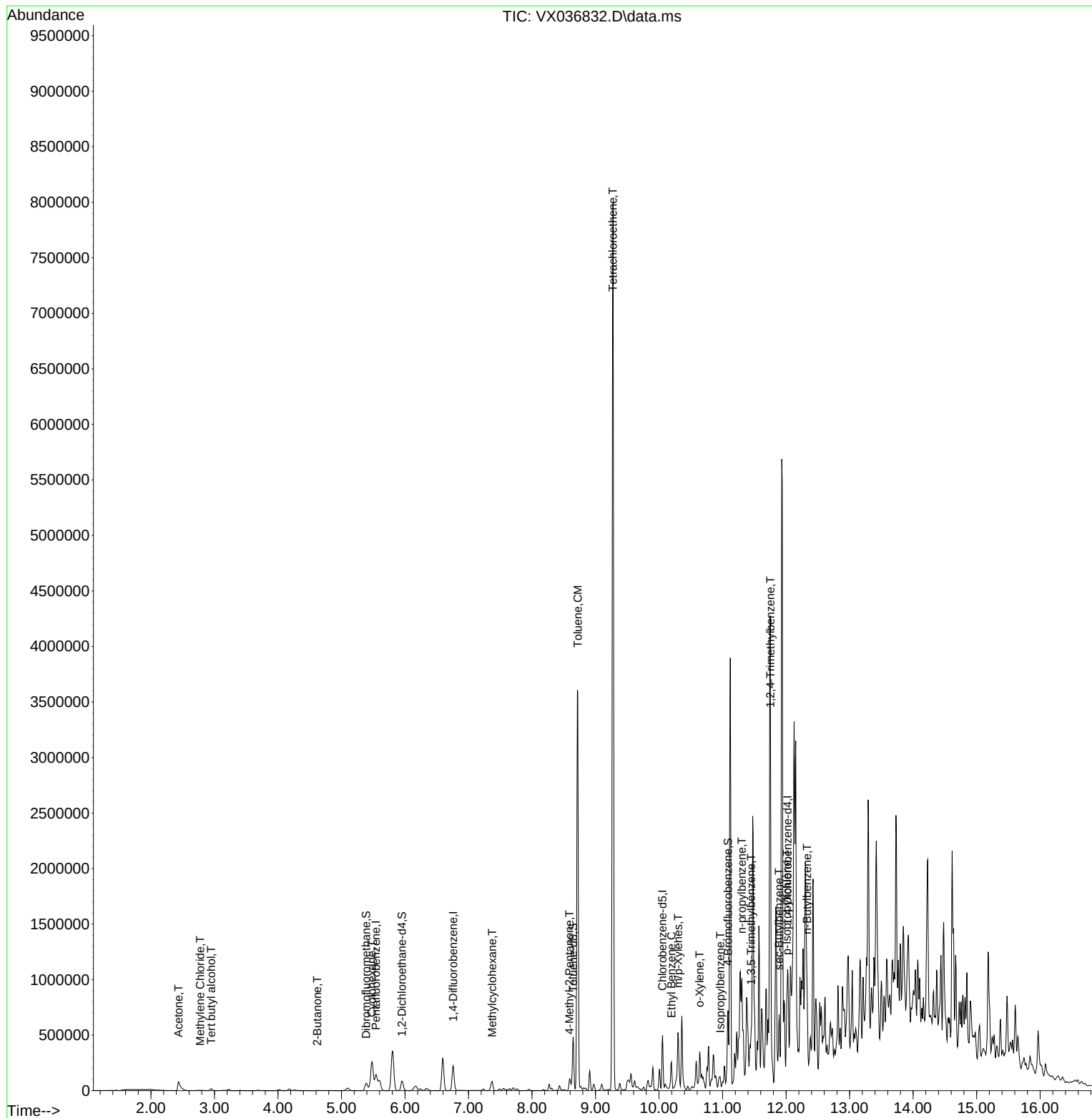
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	10192	22.567	ug/l #	86
16) Acetone	2.435	43	159242	201.159	ug/l	91
20) Methylene Chloride	2.776	84	1911	1.085	ug/l #	79
25) 2-Butanone	4.617	43	9569	7.450	ug/l	91
31) Cyclohexane	5.477	56	64176	24.297	ug/l #	49
39) Methylcyclohexane	7.373	83	37610	12.814	ug/l	95
51) 4-Methyl-2-Pentanone	8.592	43	34921	13.721	ug/l	90
52) Toluene	8.720	92	1463361	340.062	ug/l	99
64) Tetrachloroethene	9.275	164	1490900	894.099	ug/l	98
67) Ethyl Benzene	10.195	91	108737	12.079	ug/l	100
68) m/p-Xylenes	10.299	106	111580	33.220	ug/l	97
69) o-Xylene	10.640	106	72323	21.571	ug/l	100
73) Isopropylbenzene	10.964	105	37105	3.742	ug/l	100
78) n-propylbenzene	11.305	91	159308	13.891	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	155996	18.804	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	500009	60.266	ug/l	95
85) sec-Butylbenzene	11.890	105	71844	7.069	ug/l	84
86) p-Isopropyltoluene	12.012	119	205717	24.598	ug/l	98
89) n-Butylbenzene	12.329	91	188652	25.198	ug/l #	53

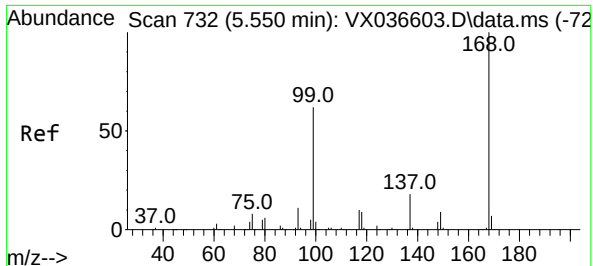
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Aug 08 01:33:12 2023
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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

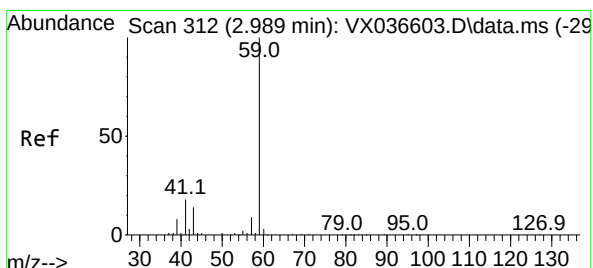
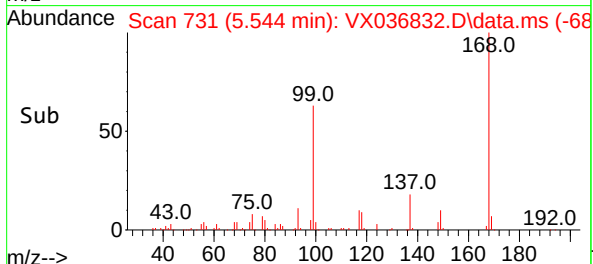
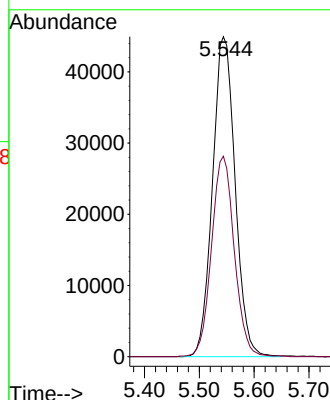
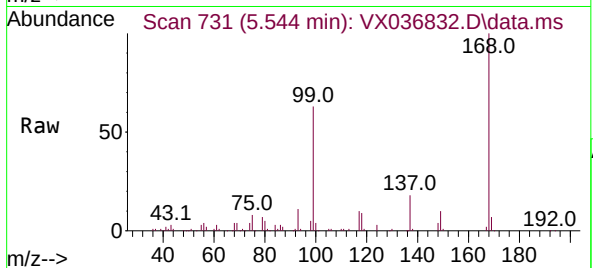




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

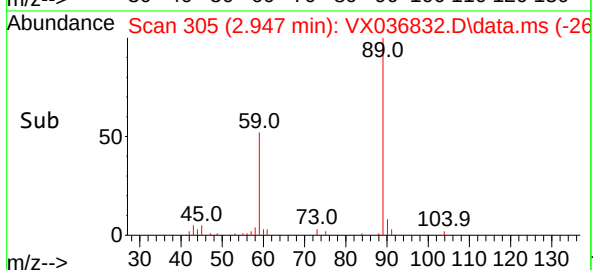
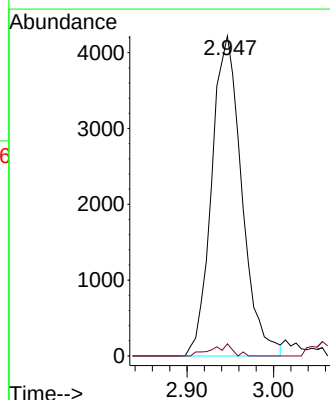
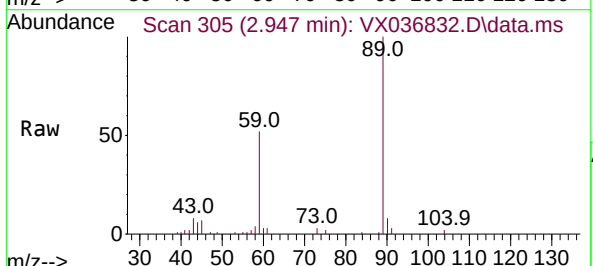
Instrument :
MSVOA_X
ClientSampleId :
15017

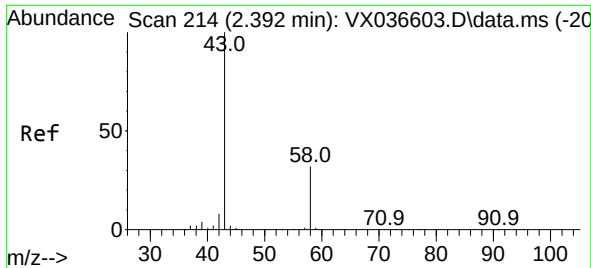
Tgt Ion:168 Resp: 128929
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 22.567 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion: 59 Resp: 10192
Ion Ratio Lower Upper
59 100
57 2.6 6.0 9.0#

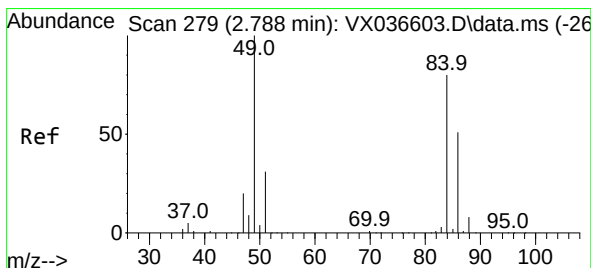
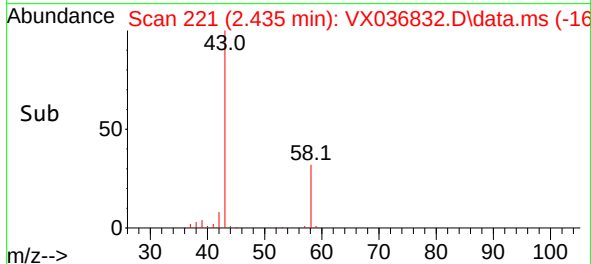
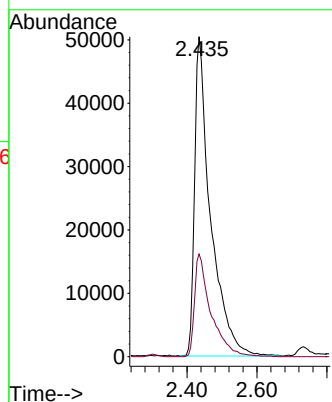
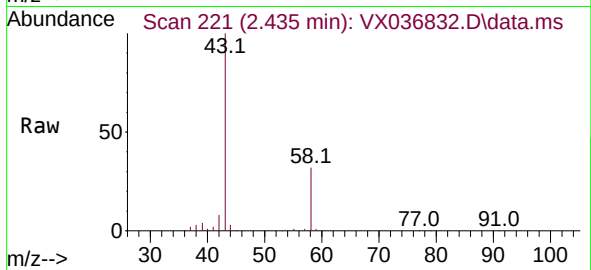




#16
Acetone
Concen: 201.159 ug/l
RT: 2.435 min Scan# 214
Delta R.T. 0.043 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

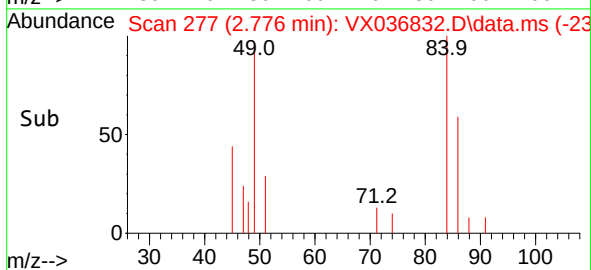
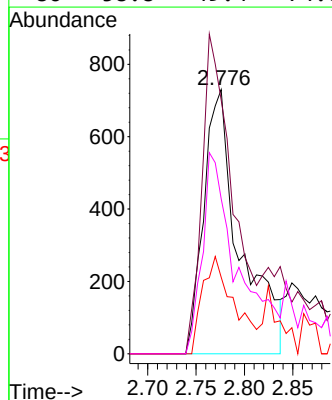
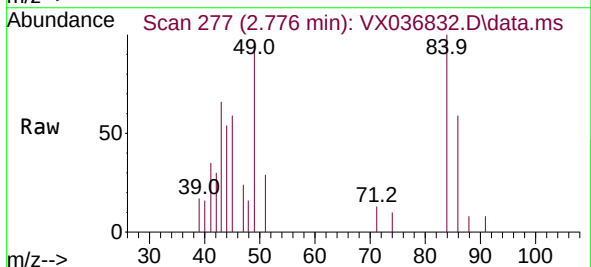
Instrument :
MSVOA_X
ClientSampleId :
15017

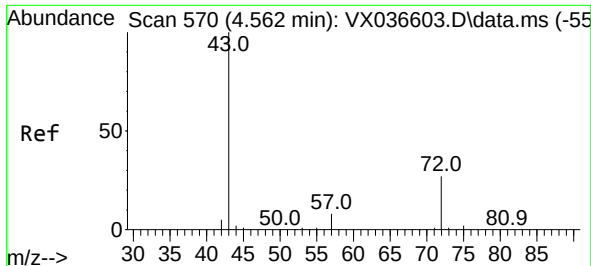
Tgt Ion: 43 Resp: 159242
Ion Ratio Lower Upper
43 100
58 32.1 21.9 32.9



#20
Methylene Chloride
Concen: 1.085 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion: 84 Resp: 1911
Ion Ratio Lower Upper
84 100
49 96.2 103.6 155.4#
51 29.0 33.8 50.6#
86 58.8 49.4 74.0

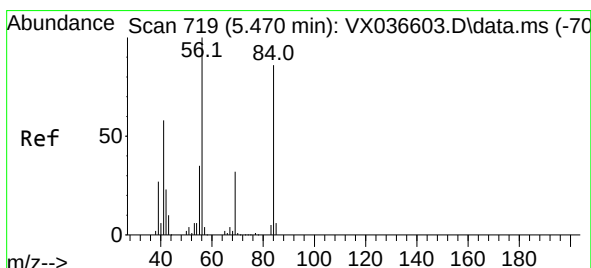
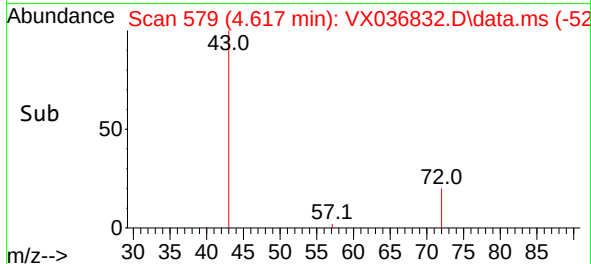
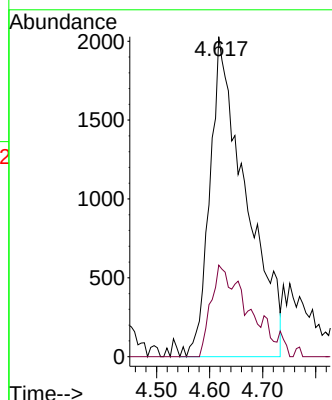
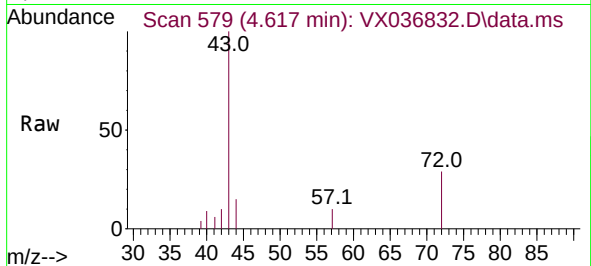




#25
2-Butanone
Concen: 7.450 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

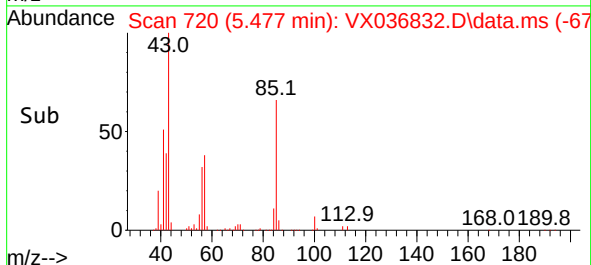
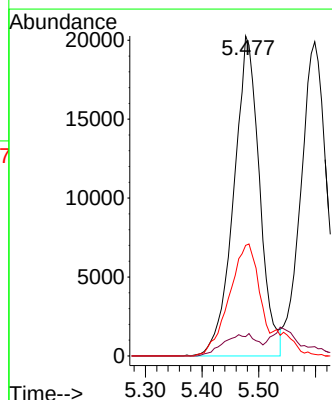
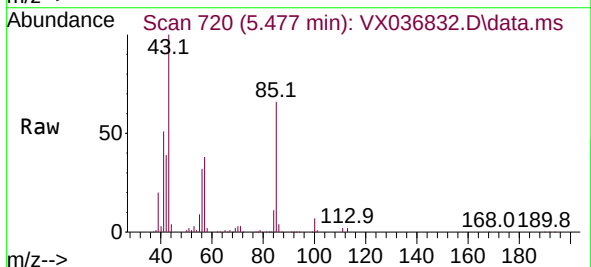
Instrument :
MSVOA_X
ClientSampleId :
15017

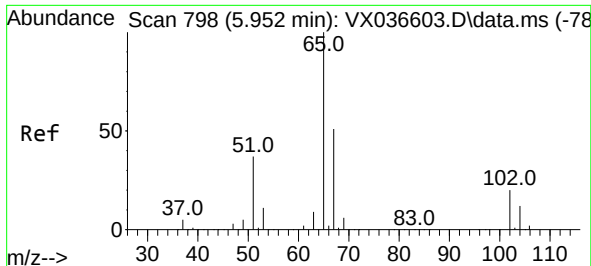
Tgt Ion: 43 Resp: 9569
Ion Ratio Lower Upper
43 100
72 28.6 19.4 29.2



#31
Cyclohexane
Concen: 24.297 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion: 56 Resp: 64176
Ion Ratio Lower Upper
56 100
69 6.1 23.4 35.2#
84 34.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.888 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036832.D

Acq: 07 Aug 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

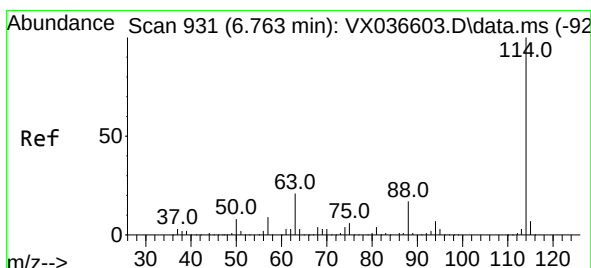
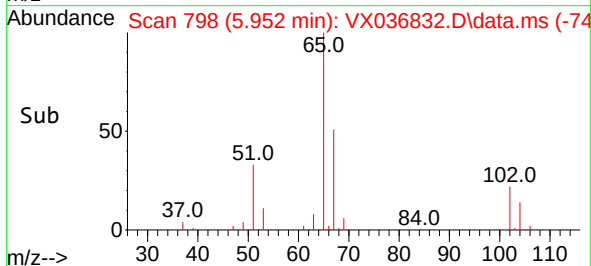
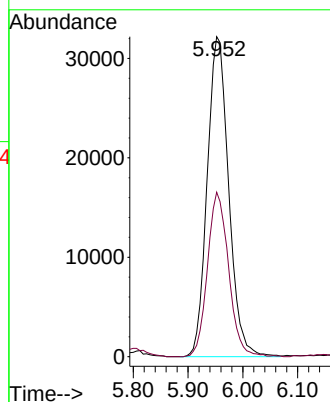
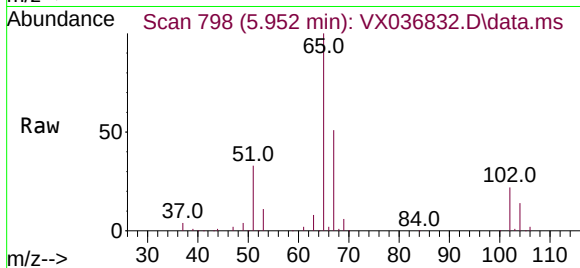
15017

Tgt Ion: 65 Resp: 87540

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX036832.D

Acq: 07 Aug 2023 13:06

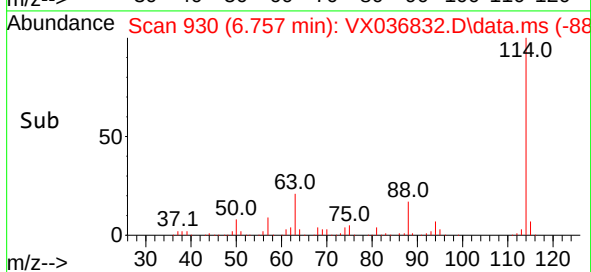
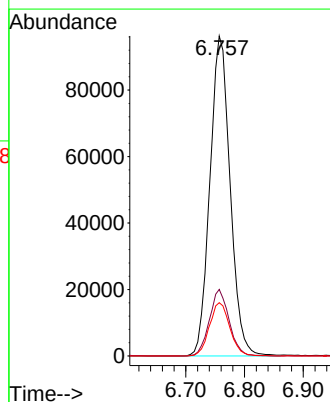
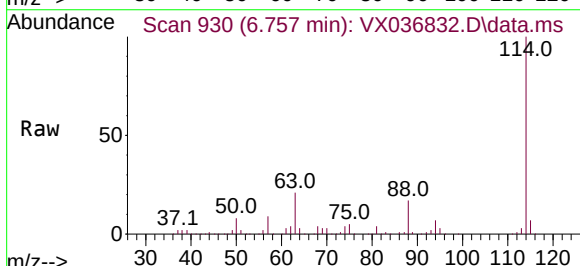
Tgt Ion: 114 Resp: 230407

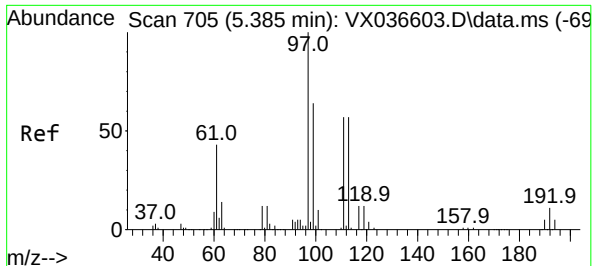
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

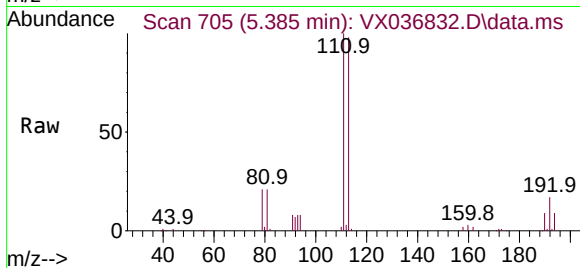
88 16.6 0.0 36.6



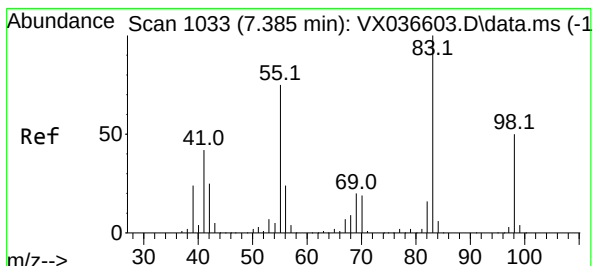
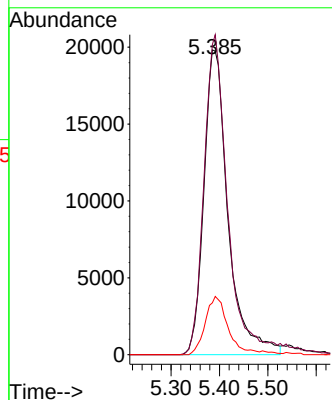
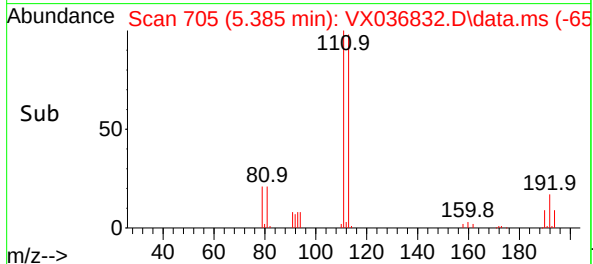


#35
Dibromofluoromethane
Concen: 43.435 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Instrument :
MSVOA_X
ClientSampleId :
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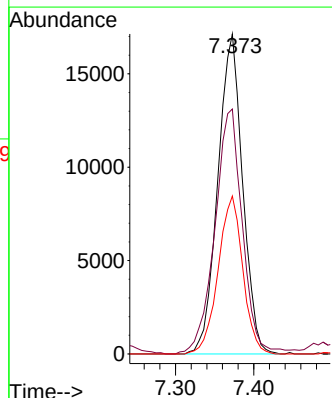
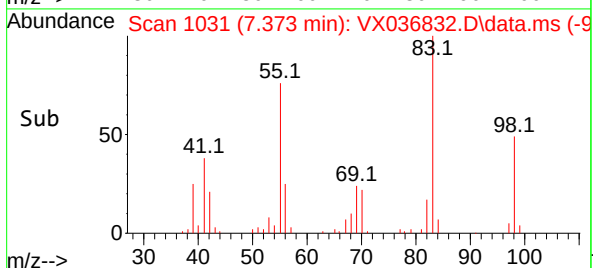
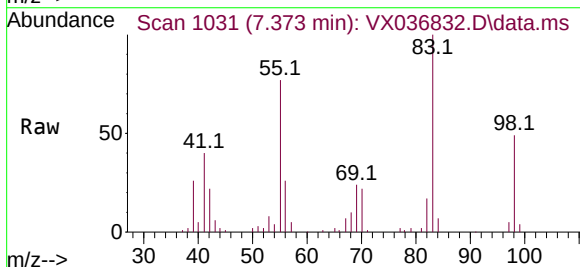


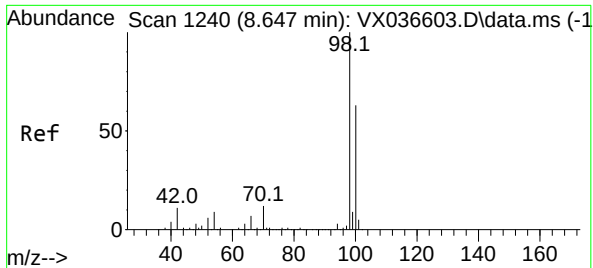
Tgt Ion:113 Resp: 68788
Ion Ratio Lower Upper
113 100
111 105.4 82.9 124.3
192 17.9 13.3 19.9



#39
Methylcyclohexane
Concen: 12.814 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion: 83 Resp: 37610
Ion Ratio Lower Upper
83 100
55 75.9 64.6 97.0
98 49.3 36.7 55.1

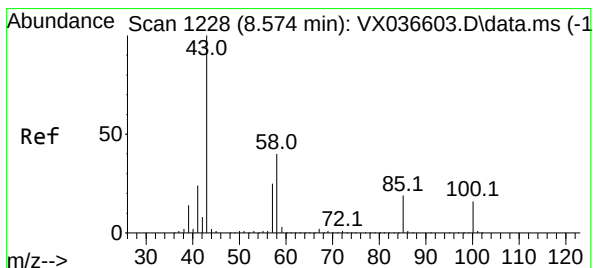
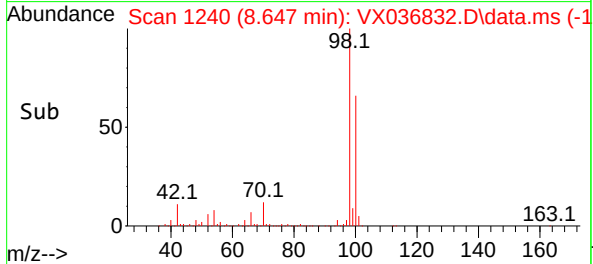
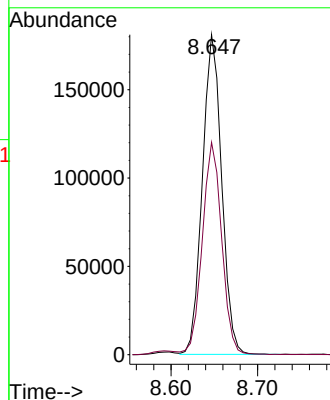
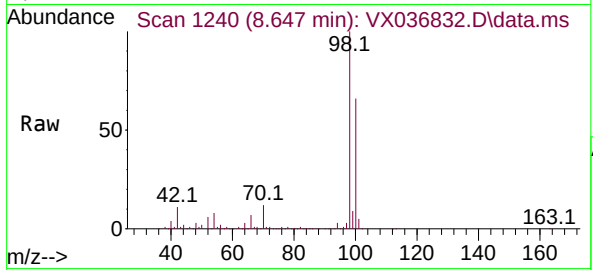




#50
Toluene-d8
Concen: 49.884 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

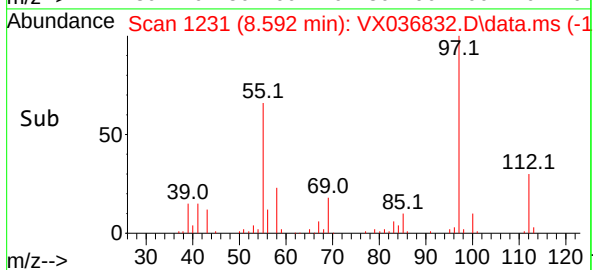
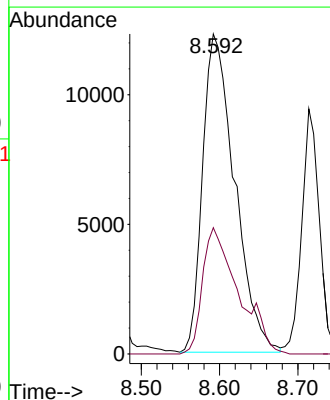
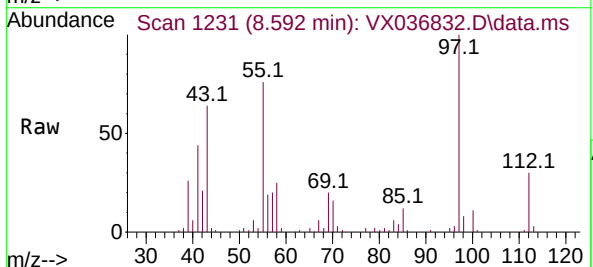
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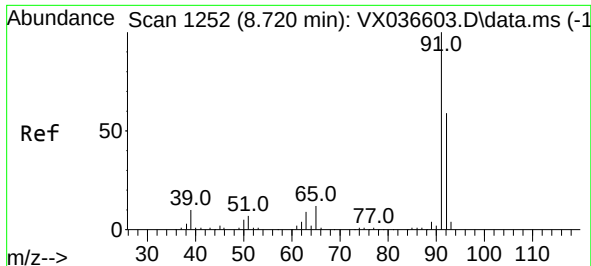
Tgt Ion: 98 Resp: 280152
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 13.721 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.018 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion: 43 Resp: 34921
Ion Ratio Lower Upper
43 100
58 44.3 30.4 45.6

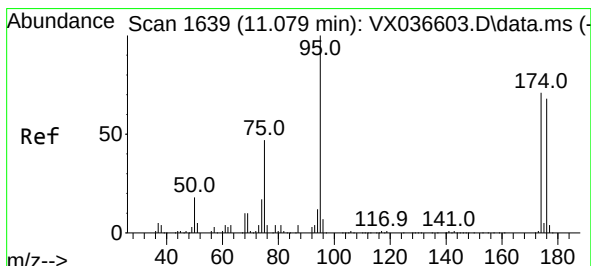
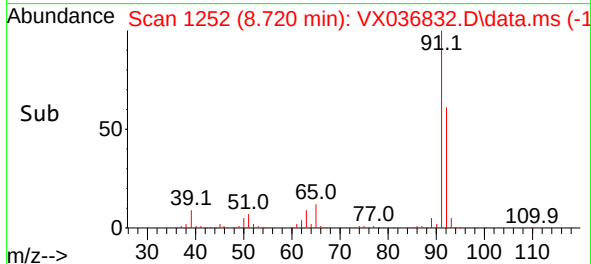
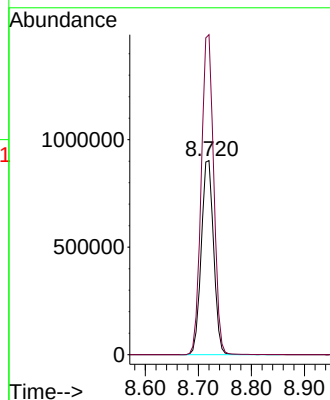
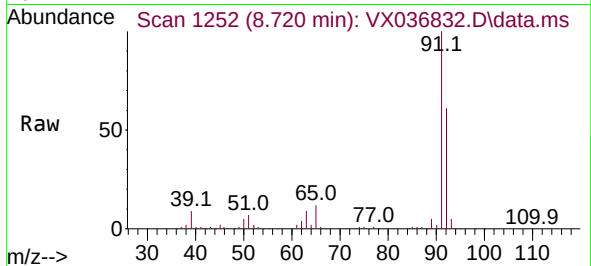




#52
Toluene
Concen: 340.062 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

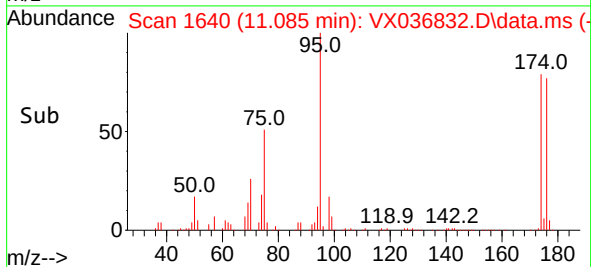
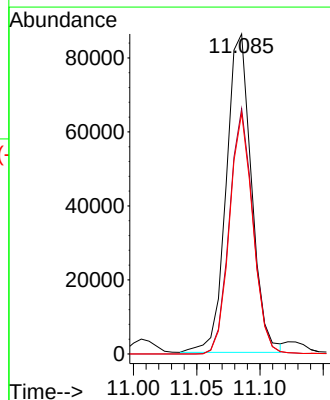
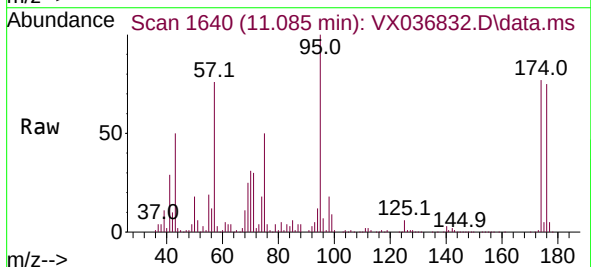
Instrument :
MSVOA_X
ClientSampleId :
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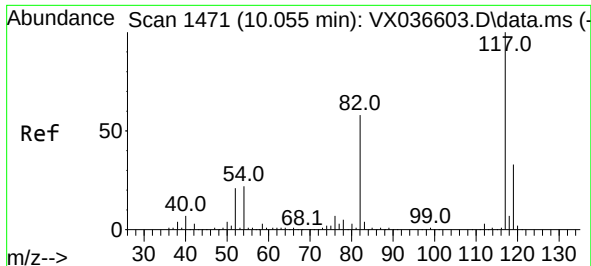
Tgt Ion: 92 Resp: 1463361
Ion Ratio Lower Upper
92 100
91 166.5 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 56.443 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion: 95 Resp: 119596
Ion Ratio Lower Upper
95 100
174 72.0 0.0 135.6
176 70.1 0.0 131.0

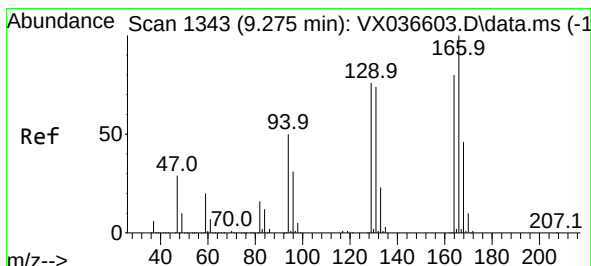
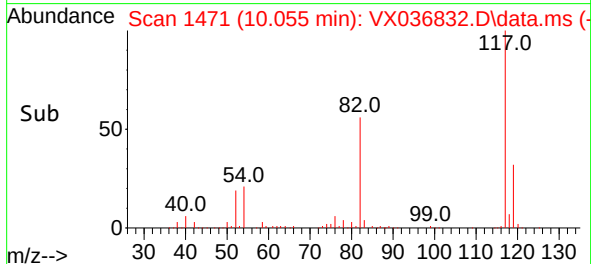
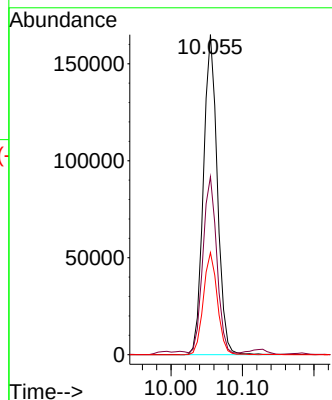
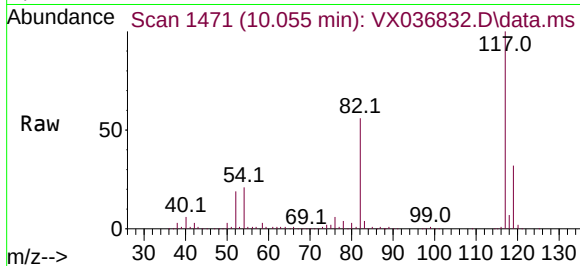




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

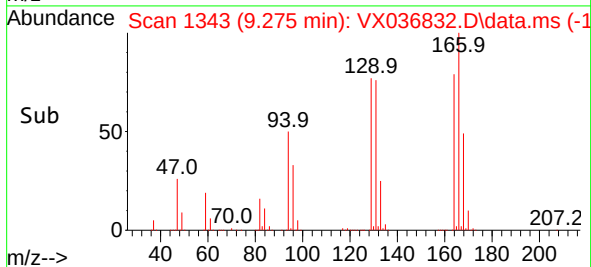
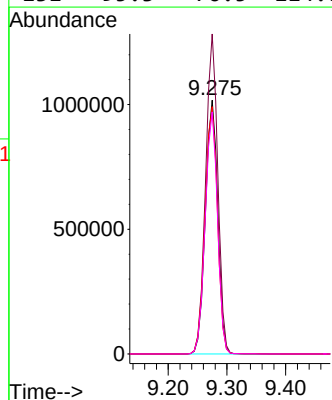
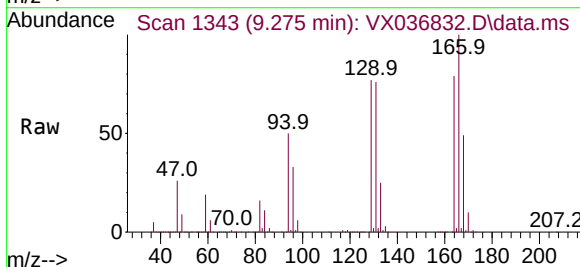
Instrument :
MSVOA_X
ClientSampleId :
15017

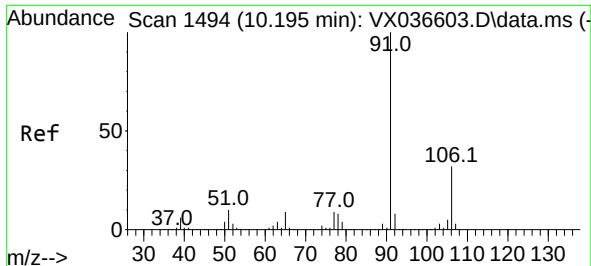
Tgt Ion:117 Resp: 223559
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 894.099 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion:164 Resp: 1490900
Ion Ratio Lower Upper
164 100
166 126.1 102.7 154.1
129 97.4 80.4 120.6
131 95.3 76.5 114.7

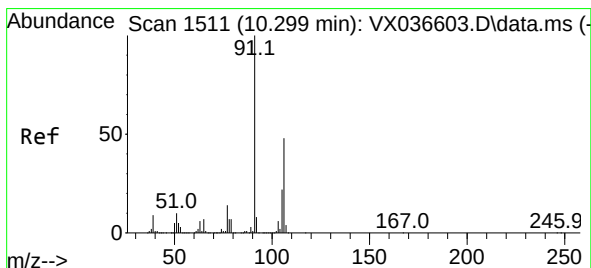
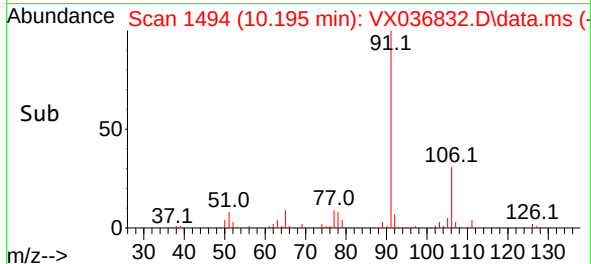
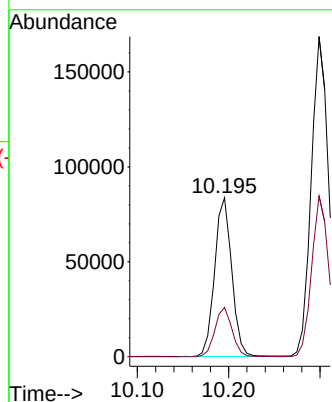
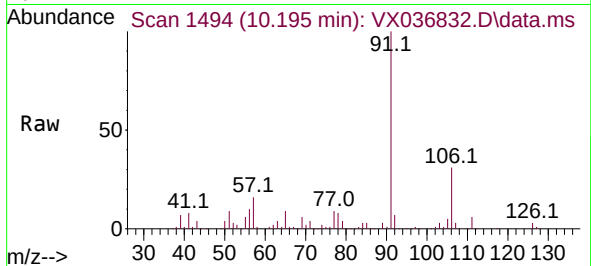




#67
Ethyl Benzene
Concen: 12.079 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

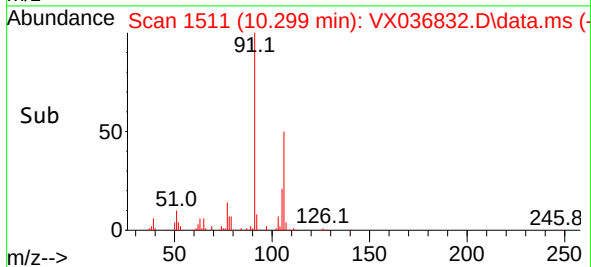
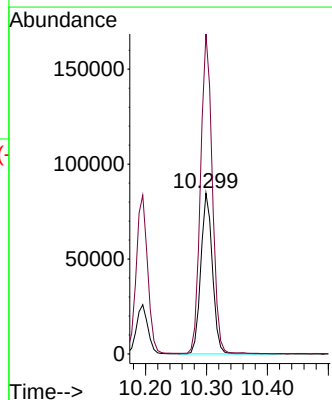
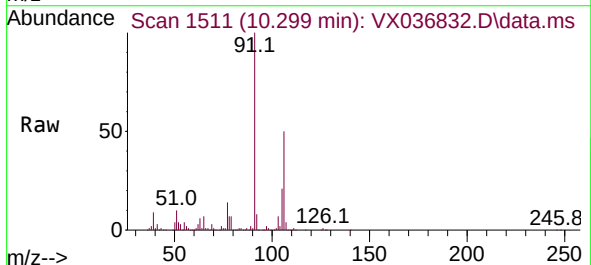
Instrument :
MSVOA_X
ClientSampleId :
15017

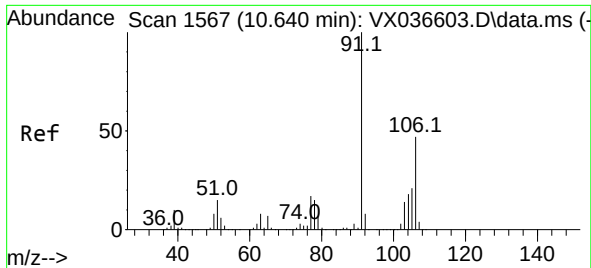
Tgt Ion: 91 Resp: 108737
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 33.220 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion: 106 Resp: 111580
Ion Ratio Lower Upper
106 100
91 202.1 165.5 248.3

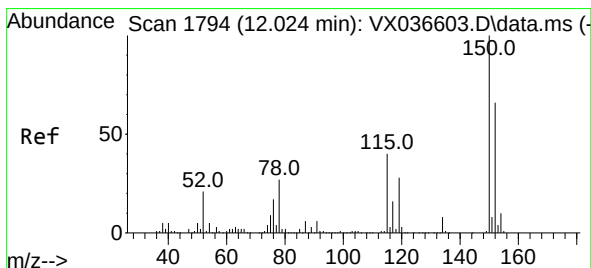
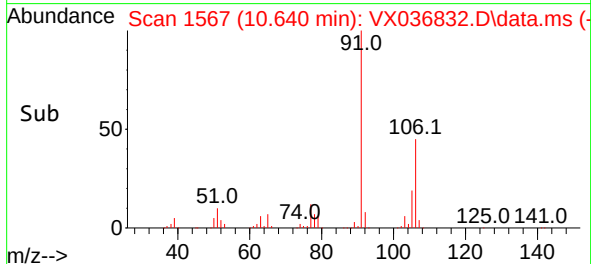
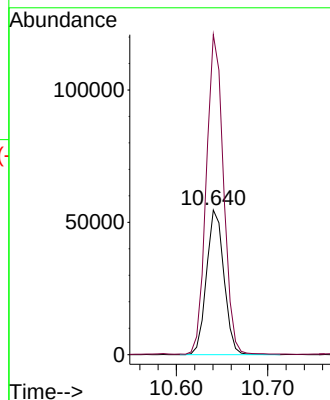
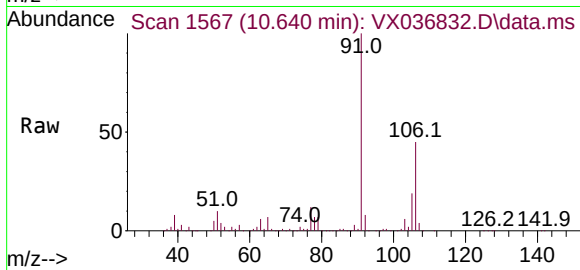




#69
o-Xylene
Concen: 21.571 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

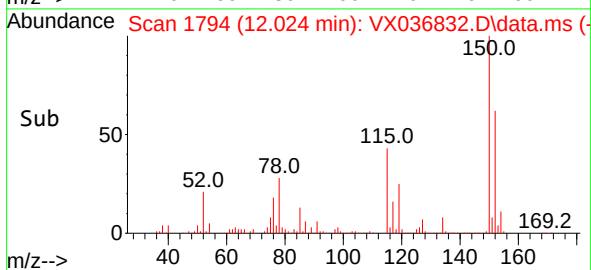
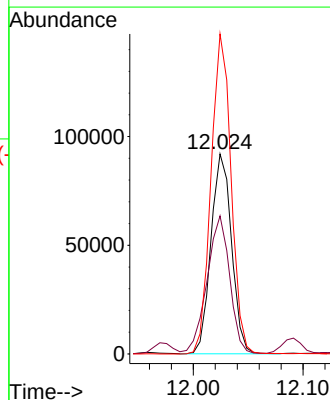
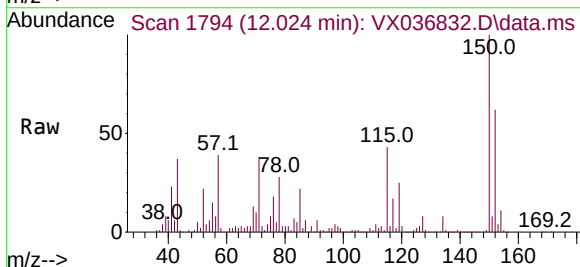
Instrument :
MSVOA_X
ClientSampleId :
15017

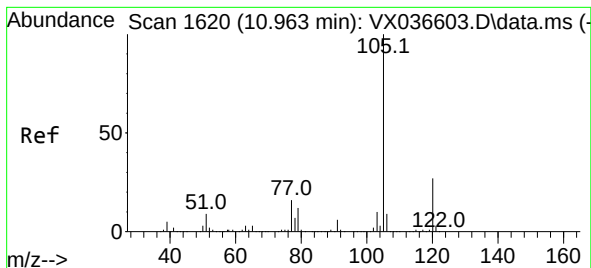
Tgt Ion:106 Resp: 72323
Ion Ratio Lower Upper
106 100
91 217.8 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036832.D
Acq: 07 Aug 2023 13:06

Tgt Ion:152 Resp: 119827
Ion Ratio Lower Upper
152 100
115 75.4 43.3 129.9
150 156.0 0.0 345.0





#73

Isopropylbenzene

Concen: 3.742 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX036832.D

Acq: 07 Aug 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

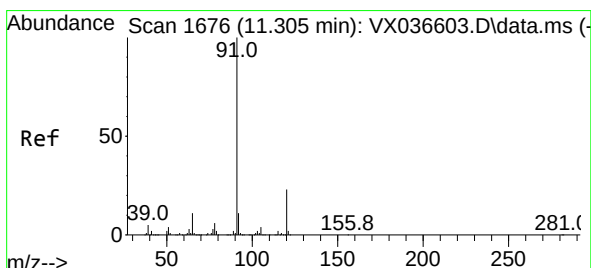
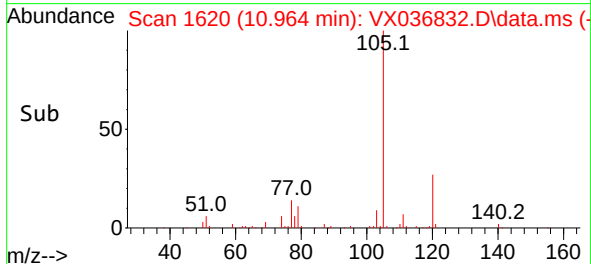
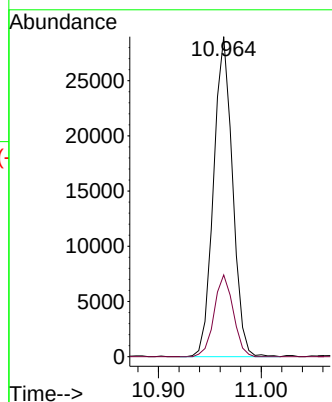
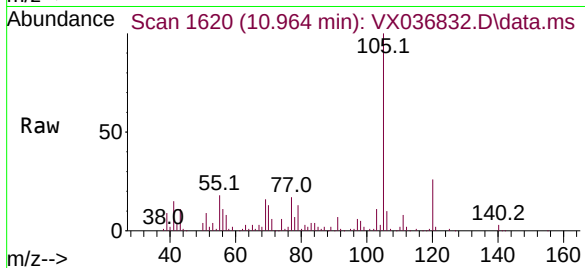
15017

Tgt Ion:105 Resp: 37105

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



#78

n-propylbenzene

Concen: 13.891 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX036832.D

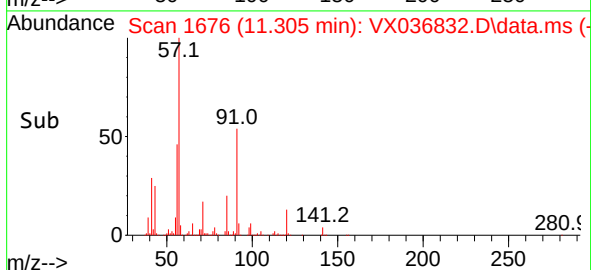
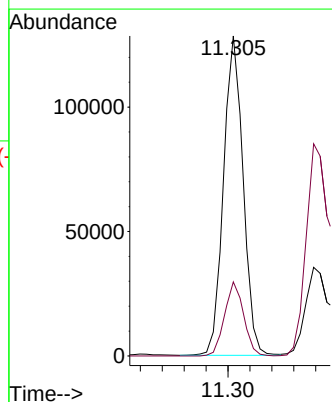
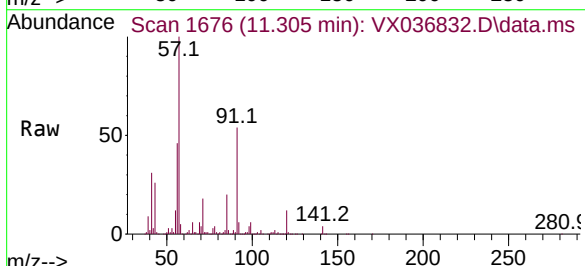
Acq: 07 Aug 2023 13:06

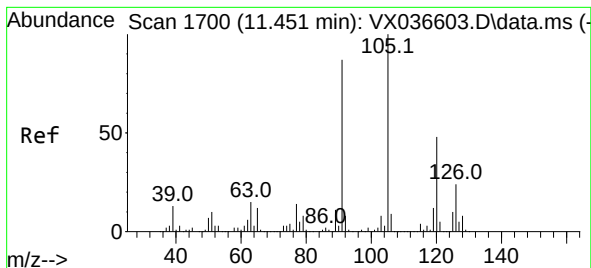
Tgt Ion: 91 Resp: 159308

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 18.804 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036832.D

Acq: 07 Aug 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

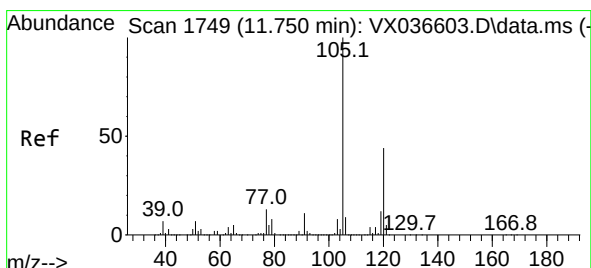
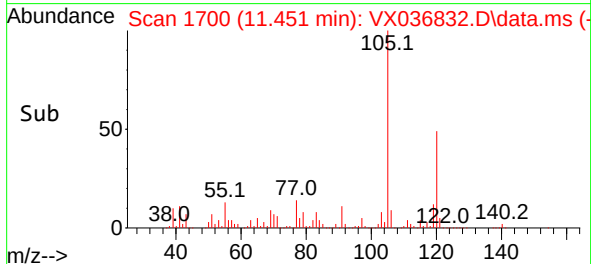
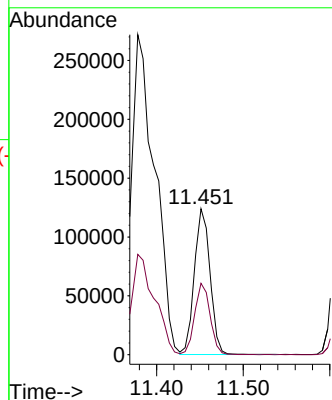
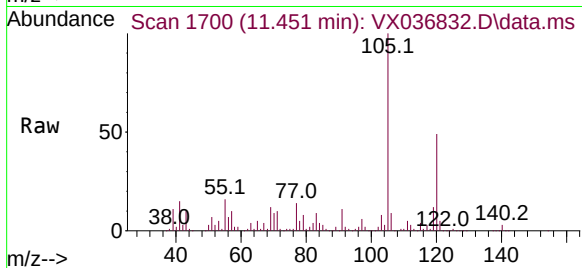
15017

Tgt Ion:105 Resp: 155996

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 60.266 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX036832.D

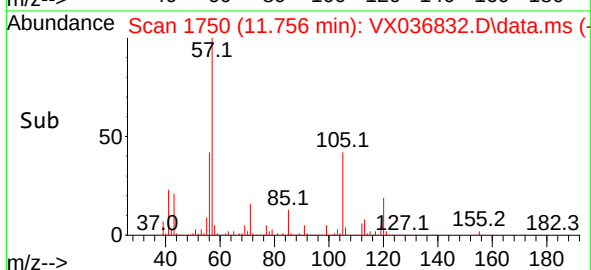
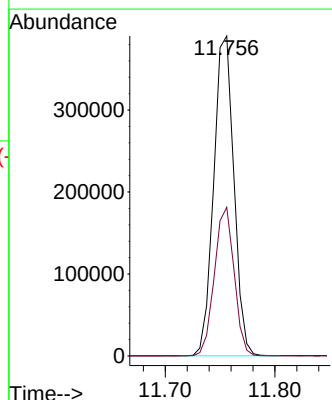
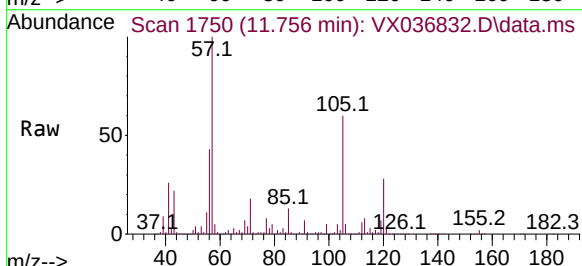
Acq: 07 Aug 2023 13:06

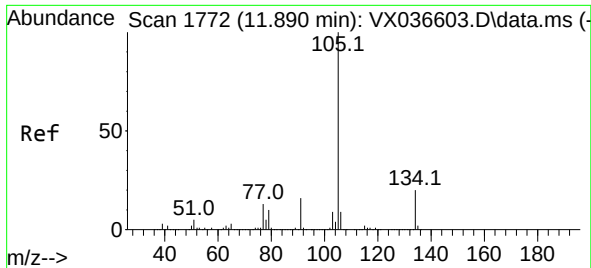
Tgt Ion:105 Resp: 500009

Ion Ratio Lower Upper

105 100

120 45.5 21.2 63.6

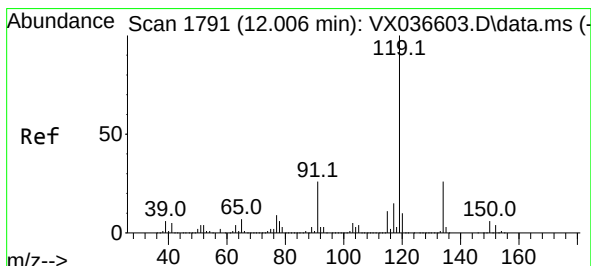
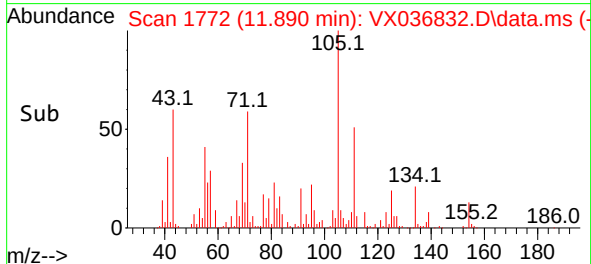
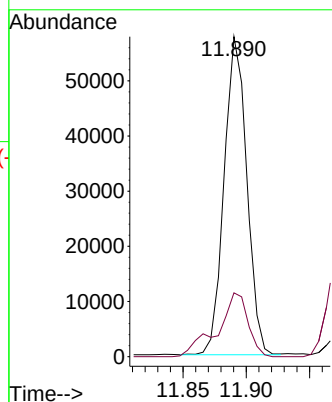
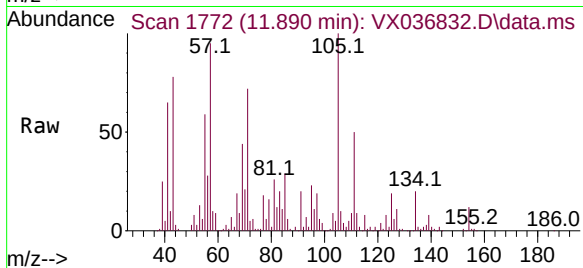




#85
 sec-Butylbenzene
 Concen: 7.069 ug/l
 RT: 11.890 min Scan# 11844
 Delta R.T. 0.000 min
 Lab File: VX036832.D
 Acq: 07 Aug 2023 13:06

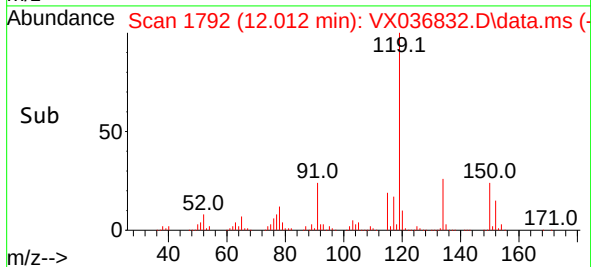
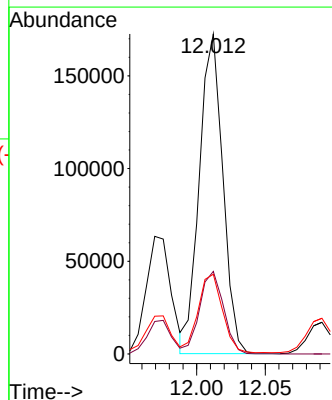
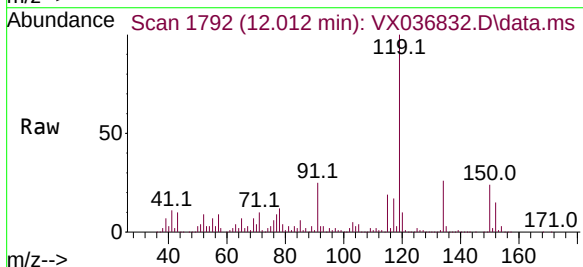
Instrument :
 MSVOA_X
 ClientSampleId :
 15017

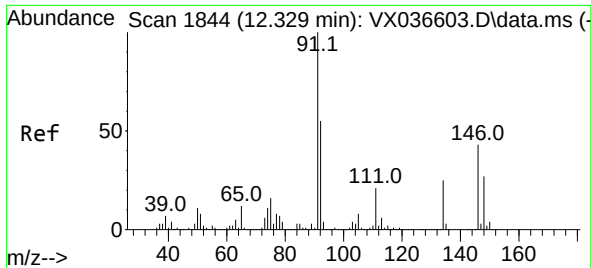
Tgt Ion:105 Resp: 71844
 Ion Ratio Lower Upper
 105 100
 134 27.0 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 24.598 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX036832.D
 Acq: 07 Aug 2023 13:06

Tgt Ion:119 Resp: 205717
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.8 38.3
 91 25.2 13.1 39.3





#89

n-Butylbenzene

Concen: 25.198 ug/l

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036832.D

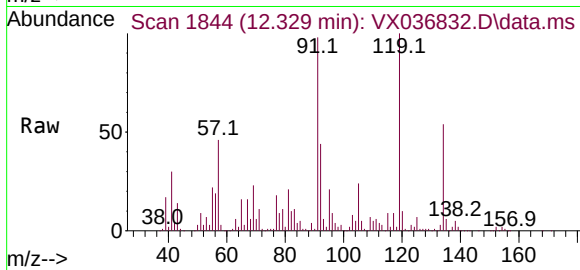
Acq: 07 Aug 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

15017



Tgt Ion: 91 Resp: 188652

Ion Ratio Lower Upper

91 100

92 39.7 27.4 82.0

134 78.1 12.6 37.8#

