

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036830.D
 Acq On : 07 Aug 2023 12:18
 Operator : JC/MD
 Sample : 03899-01
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 520

Quant Time: Aug 08 01:31:55 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)

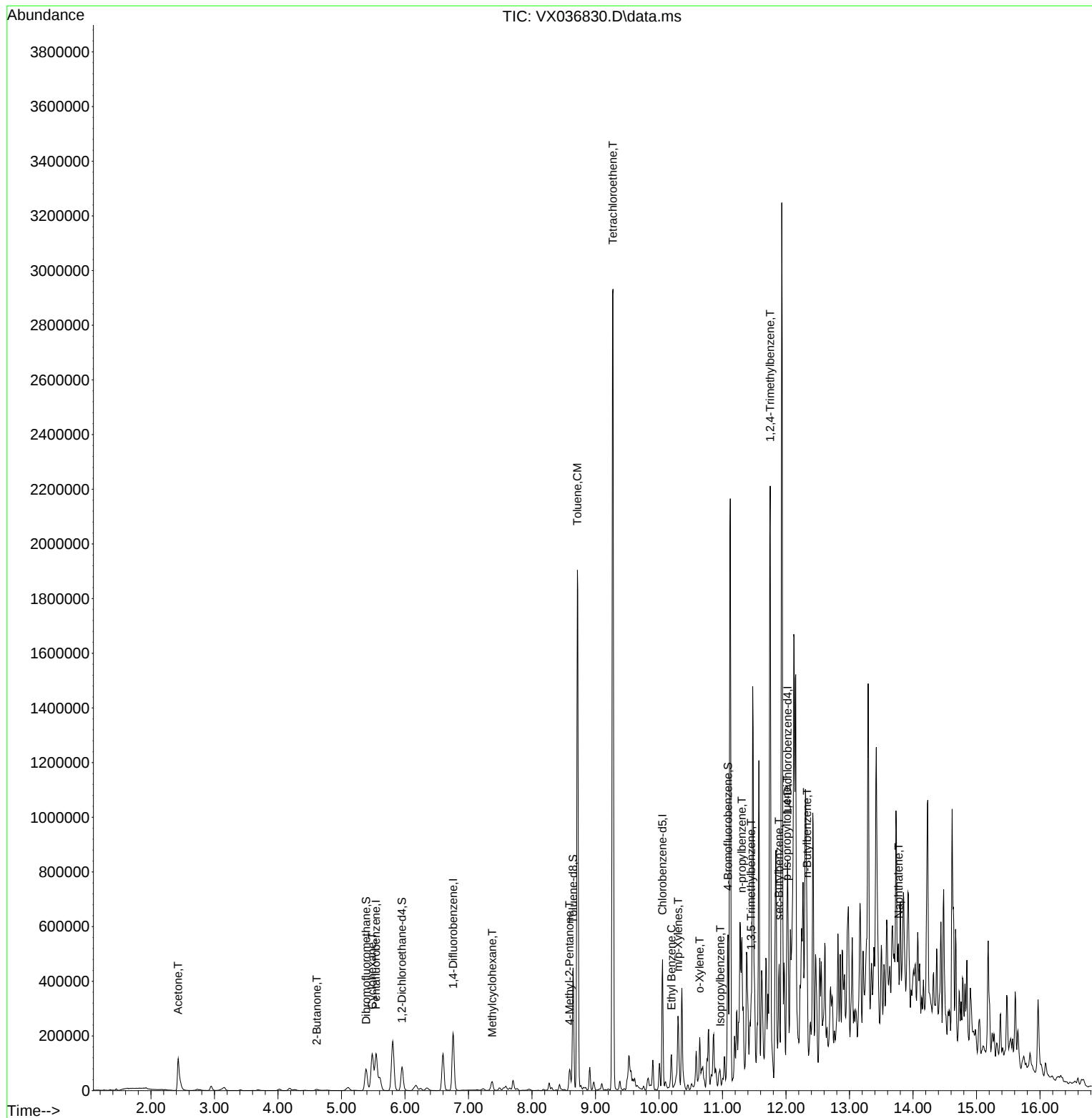
Internal Standards						
1) Pentafluorobenzene	5.544	168	119575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	217464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83620	47.262	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.520%
35) Dibromofluoromethane	5.385	113	68478	45.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.620%
50) Toluene-d8	8.647	98	262480	49.519	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.040%
62) 4-Bromofluorobenzene	11.086	95	112092	56.050	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.100%
Target Compounds						
					Qvalue	
16) Acetone	2.429	43	179107	243.953	ug/l	90
25) 2-Butanone	4.611	43	11256	9.449	ug/l	92
31) Cyclohexane	5.483	56	33606	13.718	ug/l #	51
39) Methylcyclohexane	7.373	83	14766	5.330	ug/l	95
51) 4-Methyl-2-Pentanone	8.592	43	38430	15.999	ug/l	100
52) Toluene	8.714	92	723328	178.095	ug/l	99
64) Tetrachloroethene	9.275	164	555676	355.742	ug/l	97
67) Ethyl Benzene	10.195	91	55413	6.571	ug/l	98
68) m/p-Xylenes	10.299	106	56322	17.900	ug/l	99
69) o-Xylene	10.640	106	37643	11.986	ug/l	99
73) Isopropylbenzene	10.964	105	20832	2.256	ug/l	97
78) n-propylbenzene	11.305	91	94265	8.825	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	99170	12.835	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	315963	40.890	ug/l	95
85) sec-Butylbenzene	11.890	105	48056	5.077	ug/l	85
86) p-Isopropyltoluene	12.012	119	141471	18.163	ug/l	98
89) n-Butylbenzene	12.329	91	127277	18.254	ug/l #	53
95) Naphthalene	13.774	128	44483	5.511	ug/l #	90

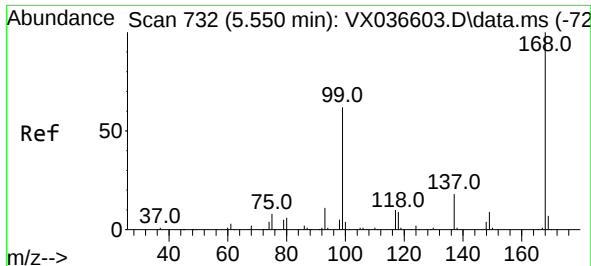
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 01:31:55 2023
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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

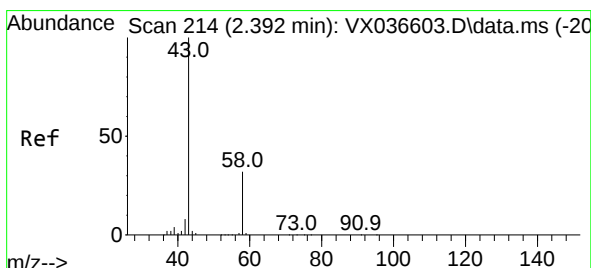
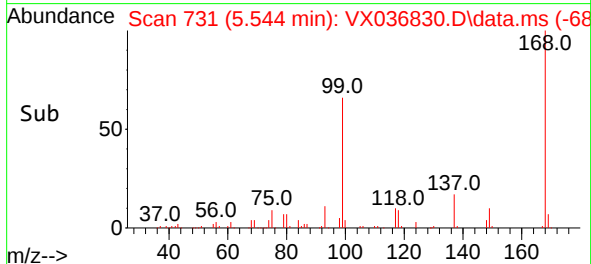
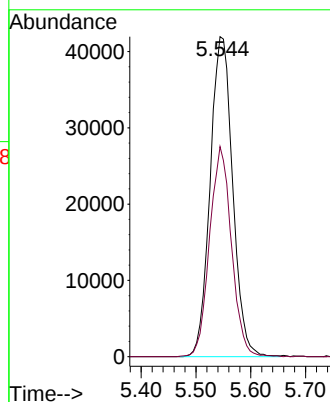
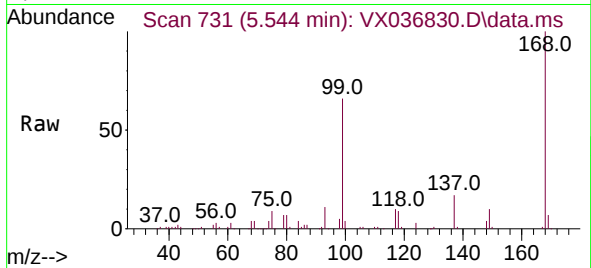




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

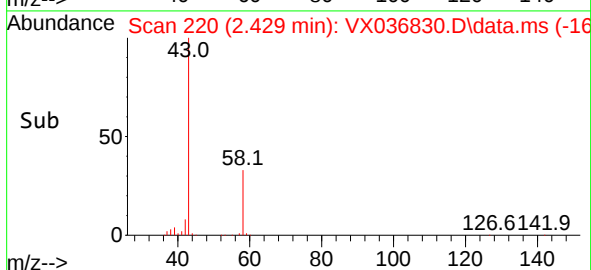
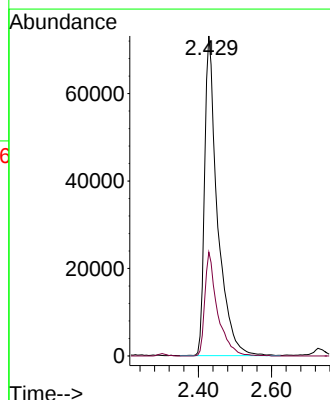
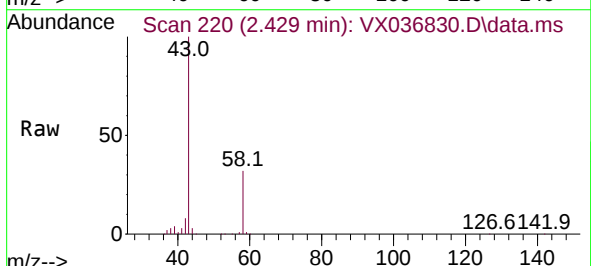
Instrument :
MSVOA_X
ClientSampleId :
520

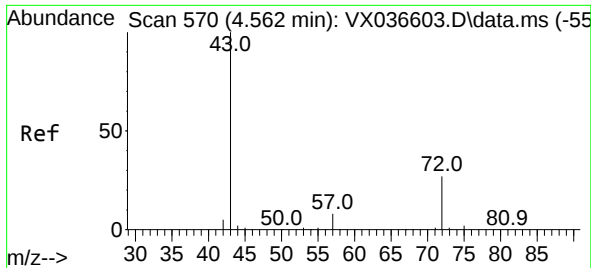
Tgt Ion:168 Resp: 119575
Ion Ratio Lower Upper
168 100
99 65.6 56.6 85.0



#16
Acetone
Concen: 243.953 ug/l
RT: 2.429 min Scan# 220
Delta R.T. 0.037 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Tgt Ion: 43 Resp: 179107
Ion Ratio Lower Upper
43 100
58 32.5 21.9 32.9

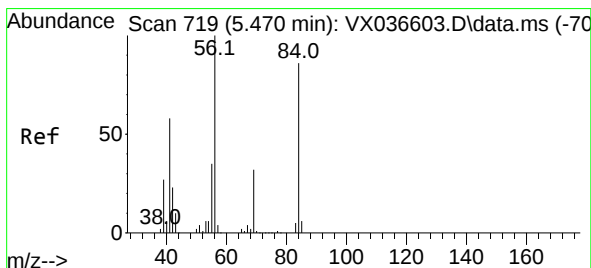
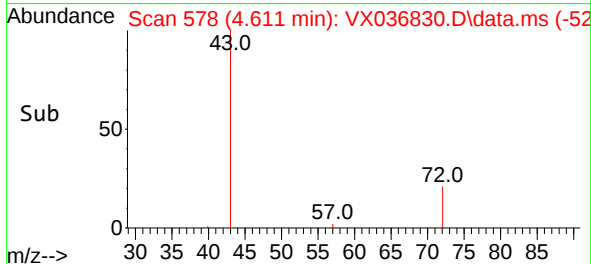
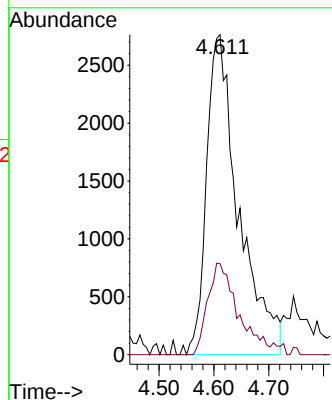
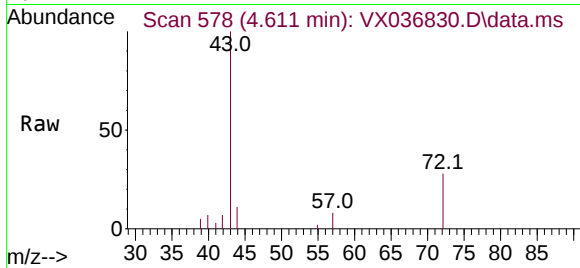




#25
2-Butanone
Concen: 9.449 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

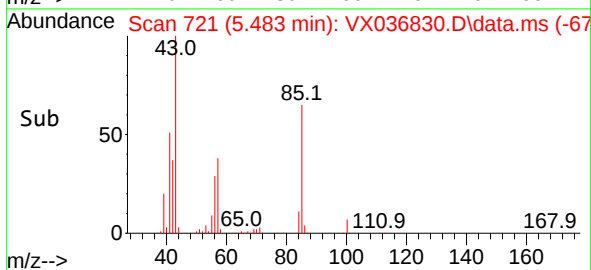
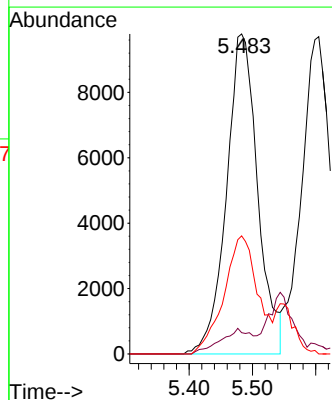
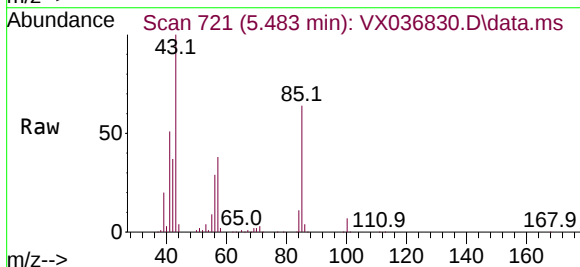
Instrument :
MSVOA_X
ClientSampleId :
520

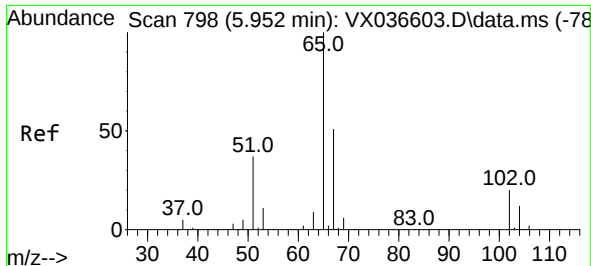
Tgt Ion: 43 Resp: 11256
Ion Ratio Lower Upper
43 100
72 28.5 19.4 29.2



#31
Cyclohexane
Concen: 13.718 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.012 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Tgt Ion: 56 Resp: 33606
Ion Ratio Lower Upper
56 100
69 6.7 23.4 35.2#
84 36.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.262 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036830.D

Acq: 07 Aug 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

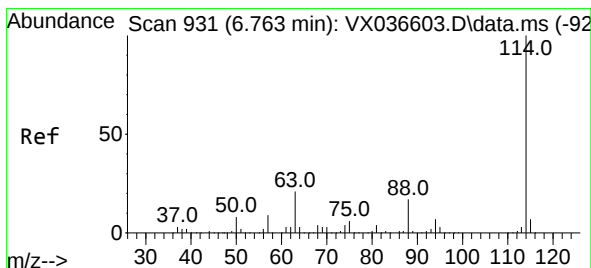
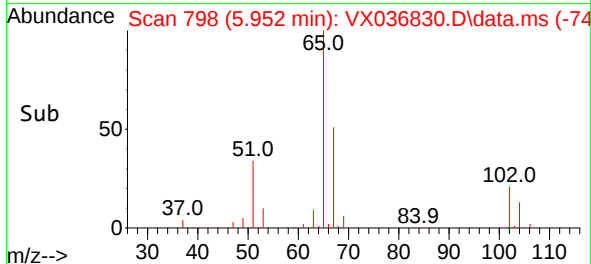
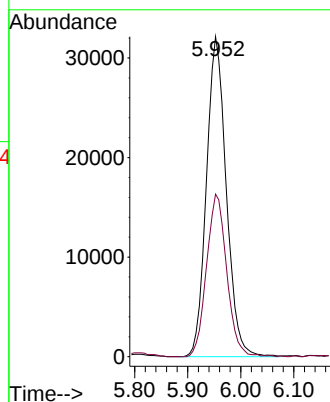
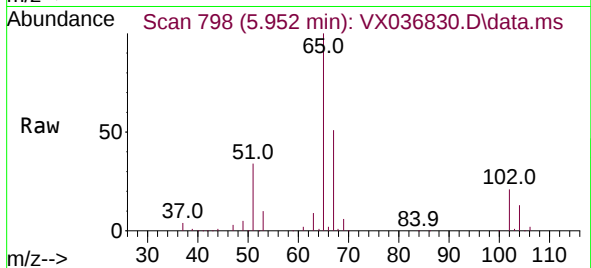
520

Tgt Ion: 65 Resp: 83620

Ion Ratio Lower Upper

65 100

67 51.7 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: VX036830.D

Acq: 07 Aug 2023 12:18

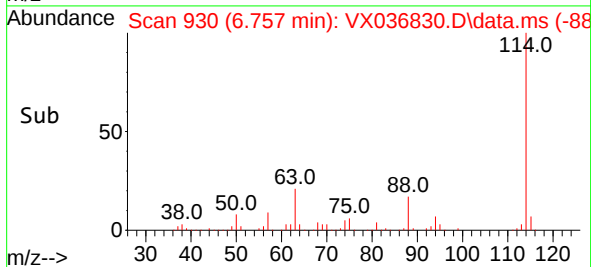
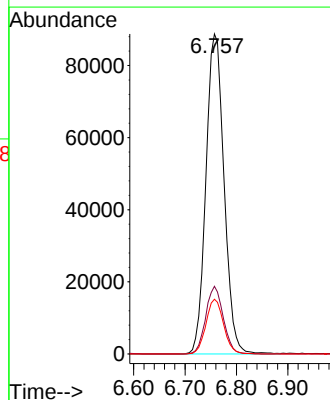
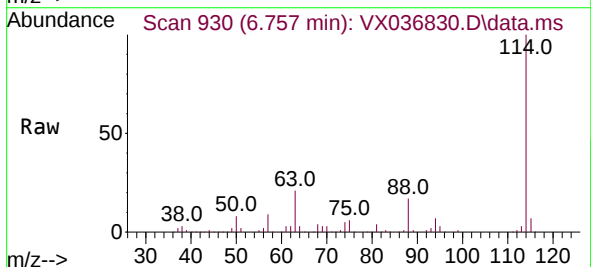
Tgt Ion: 114 Resp: 217464

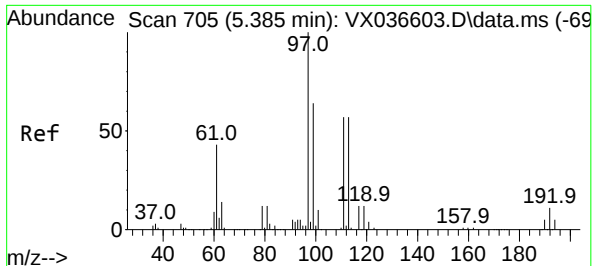
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

88 17.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.813 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036830.D

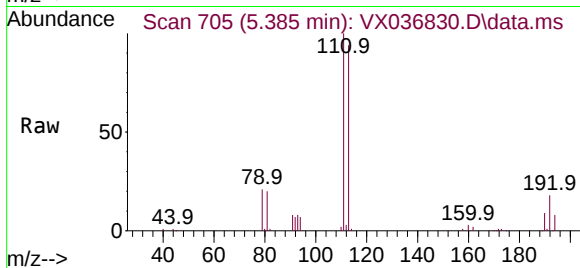
Acq: 07 Aug 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

520



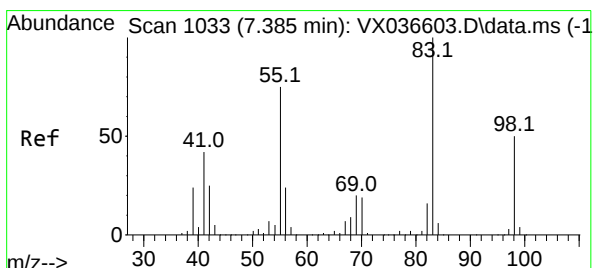
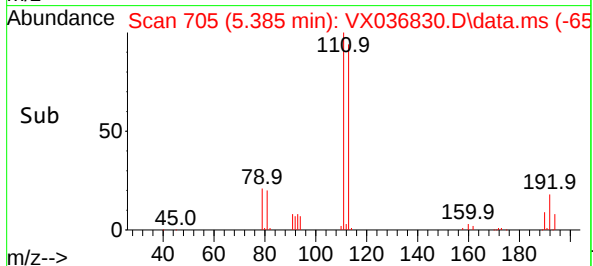
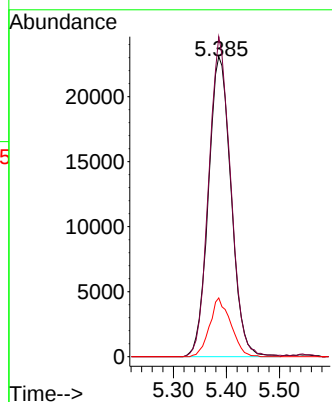
Tgt Ion:113 Resp: 68478

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

192 18.2 13.3 19.9



#39

Methylcyclohexane

Concen: 5.330 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.012 min

Lab File: VX036830.D

Acq: 07 Aug 2023 12:18

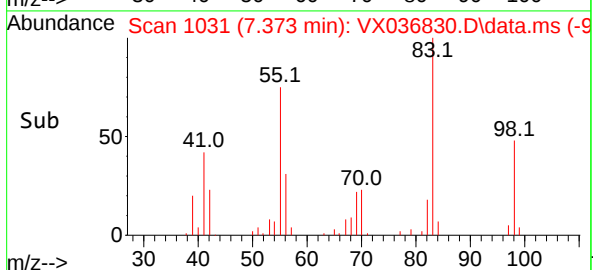
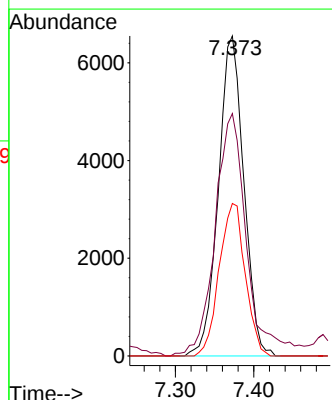
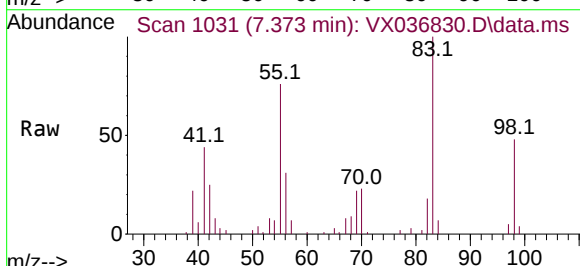
Tgt Ion: 83 Resp: 14766

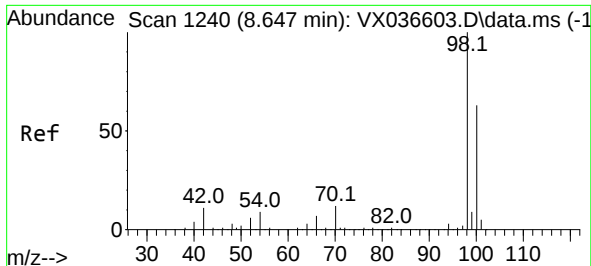
Ion Ratio Lower Upper

83 100

55 74.9 64.6 97.0

98 47.6 36.7 55.1





#50

Toluene-d8

Concen: 49.519 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036830.D

Acq: 07 Aug 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

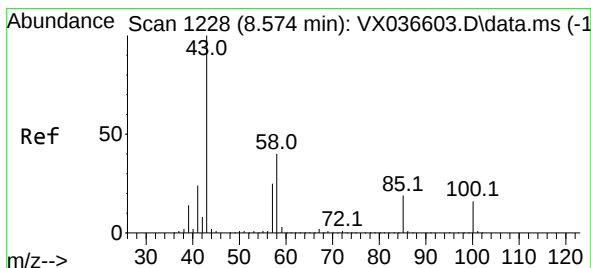
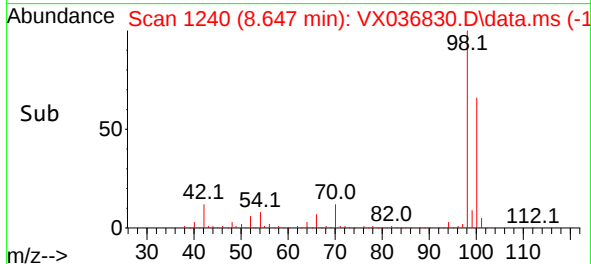
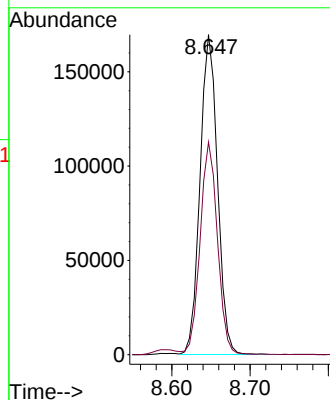
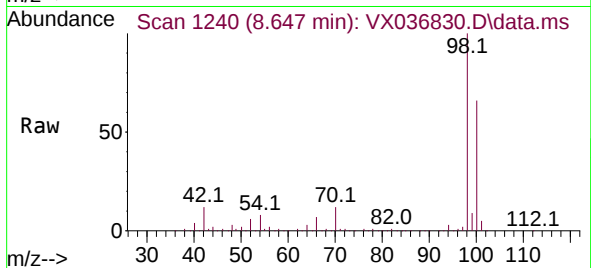
520

Tgt Ion: 98 Resp: 262480

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 15.999 ug/l

RT: 8.592 min Scan# 1231

Delta R.T. 0.018 min

Lab File: VX036830.D

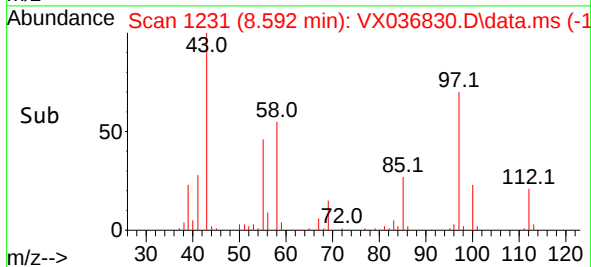
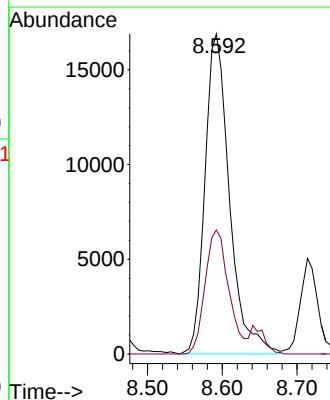
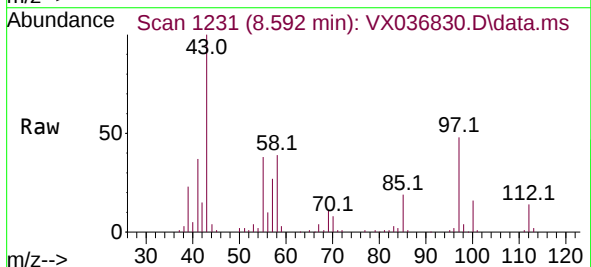
Acq: 07 Aug 2023 12:18

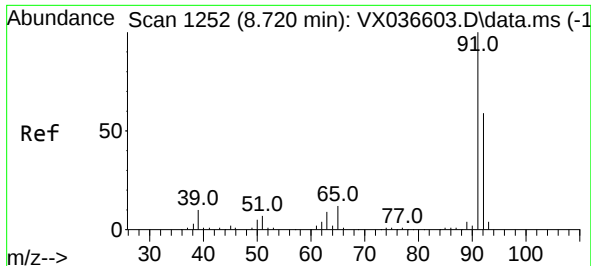
Tgt Ion: 43 Resp: 38430

Ion Ratio Lower Upper

43 100

58 37.9 30.4 45.6

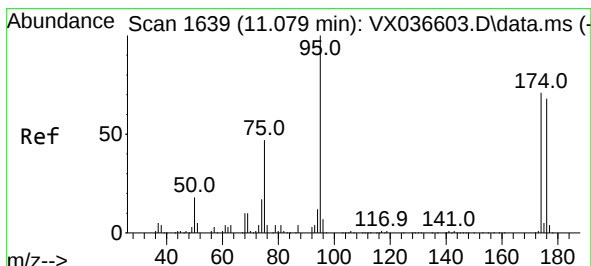
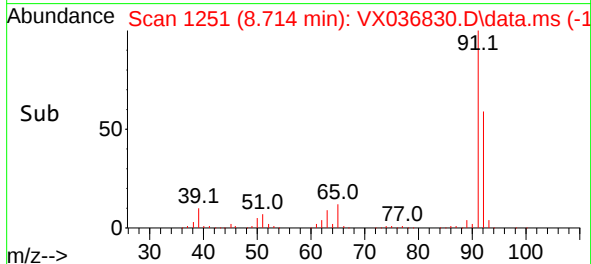
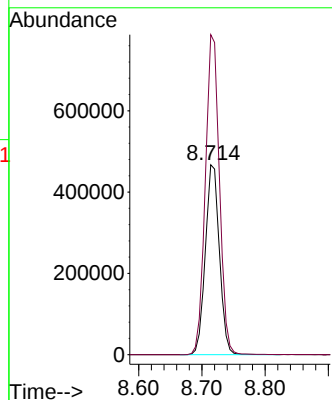
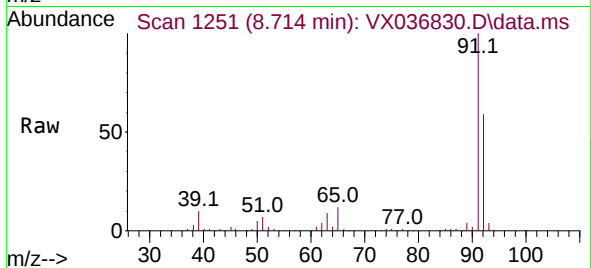




#52
Toluene
Concen: 178.095 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

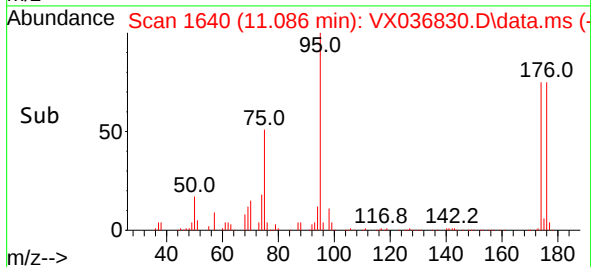
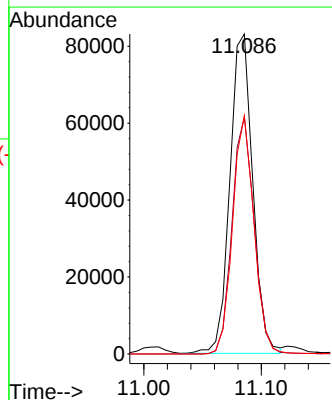
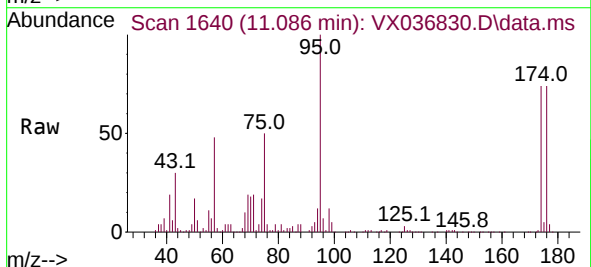
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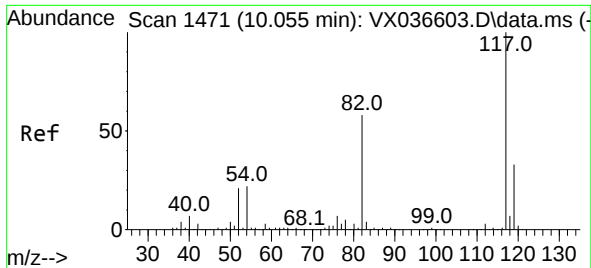
Tgt Ion: 92 Resp: 723328
Ion Ratio Lower Upper
92 100
91 169.2 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 56.050 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Tgt Ion: 95 Resp: 112092
Ion Ratio Lower Upper
95 100
174 72.0 0.0 135.6
176 70.2 0.0 131.0

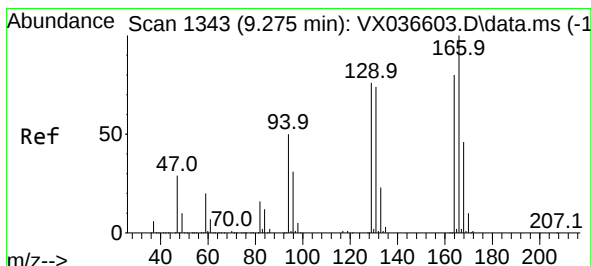
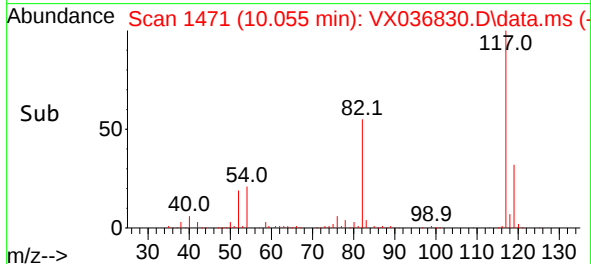
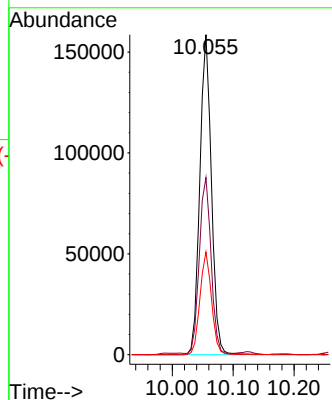
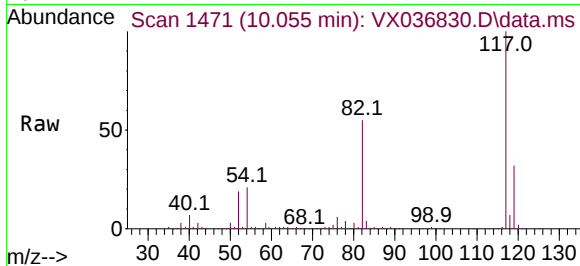




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

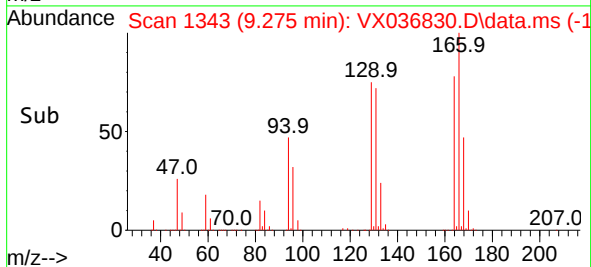
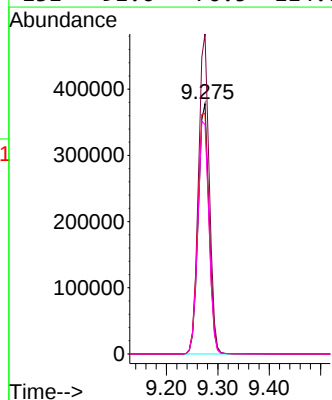
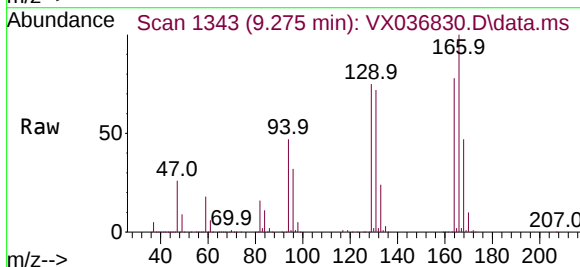
Instrument :
MSVOA_X
ClientSampleId :
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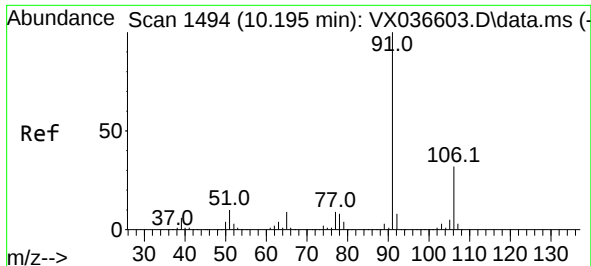
Tgt Ion:117 Resp: 209419
Ion Ratio Lower Upper
117 100
82 55.1 46.2 69.4
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 355.742 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Tgt Ion:164 Resp: 555676
Ion Ratio Lower Upper
164 100
166 127.8 102.7 154.1
129 96.1 80.4 120.6
131 91.6 76.5 114.7





#67

Ethyl Benzene

Concen: 6.571 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX036830.D

Acq: 07 Aug 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

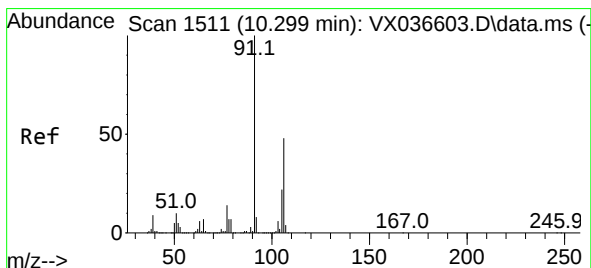
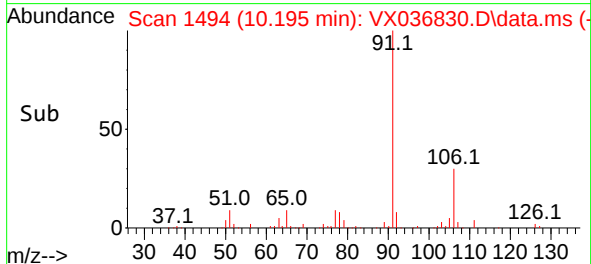
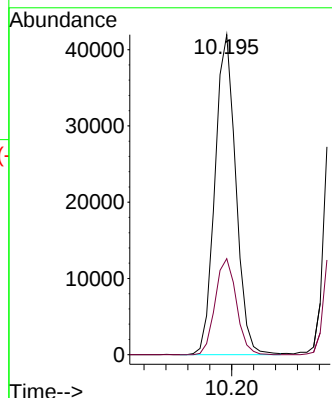
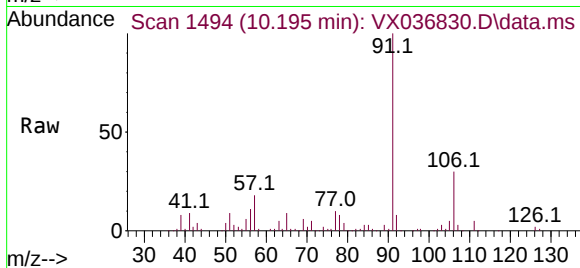
520

Tgt Ion: 91 Resp: 55413

Ion Ratio Lower Upper

91 100

106 30.0 24.9 37.3



#68

m/p-Xylenes

Concen: 17.900 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX036830.D

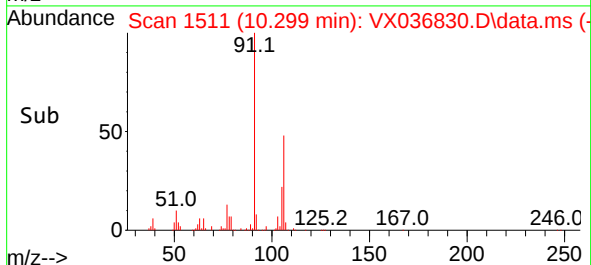
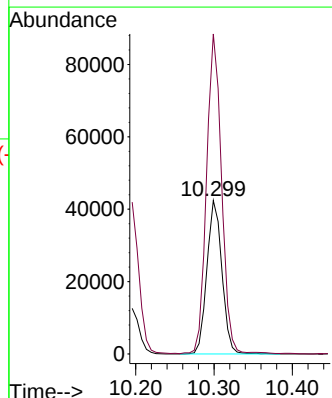
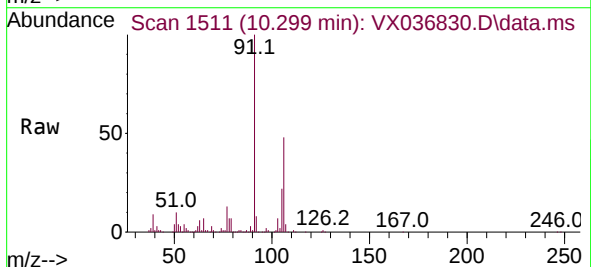
Acq: 07 Aug 2023 12:18

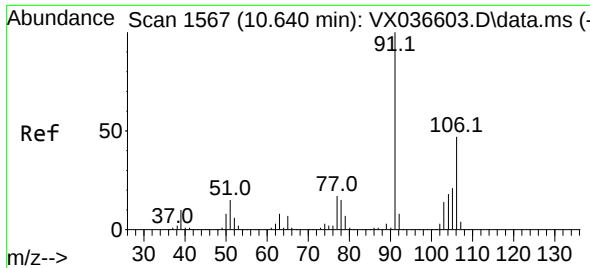
Tgt Ion: 106 Resp: 56322

Ion Ratio Lower Upper

106 100

91 208.3 165.5 248.3

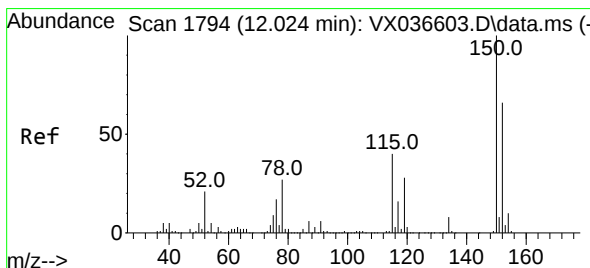
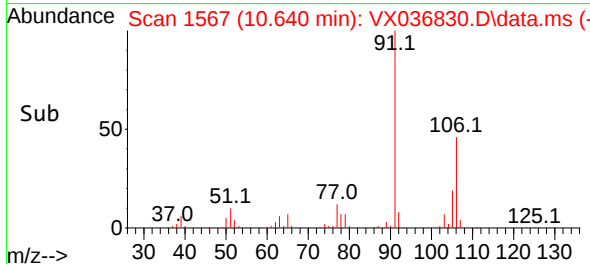
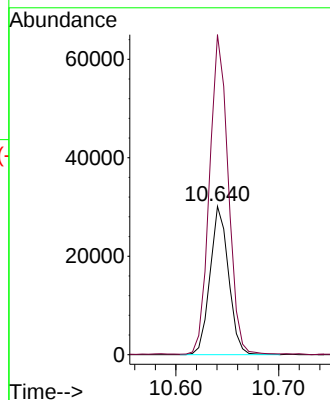
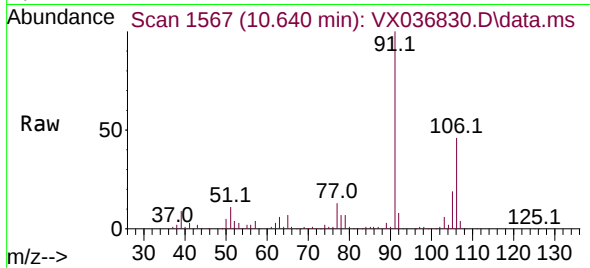




#69
o-Xylene
Concen: 11.986 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

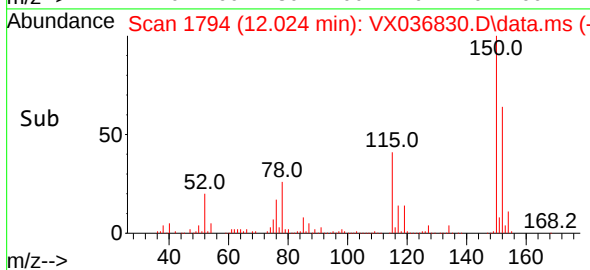
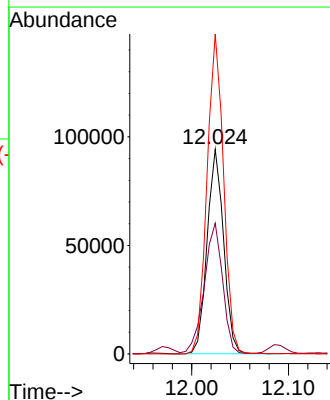
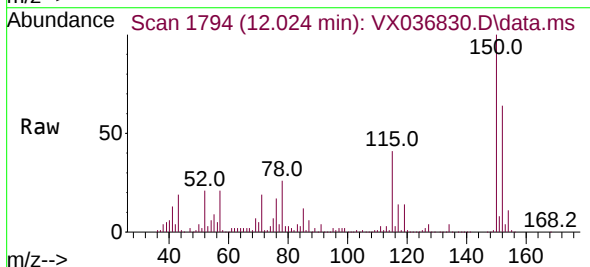
Instrument :
MSVOA_X
ClientSampleId :
520

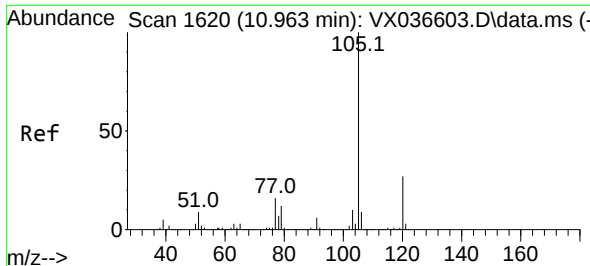
Tgt Ion:106 Resp: 37643
Ion Ratio Lower Upper
106 100
91 219.9 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Tgt Ion:152 Resp: 111601
Ion Ratio Lower Upper
152 100
115 70.8 43.3 129.9
150 157.1 0.0 345.0

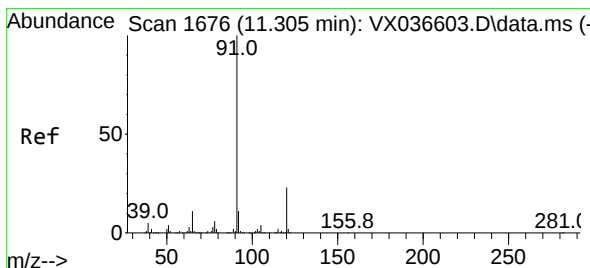
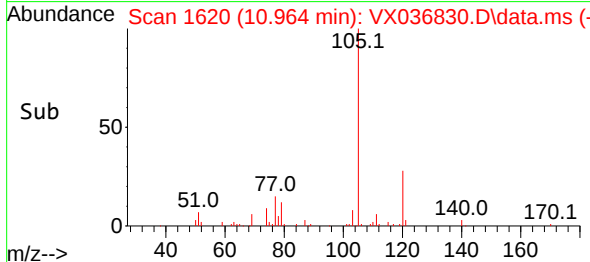
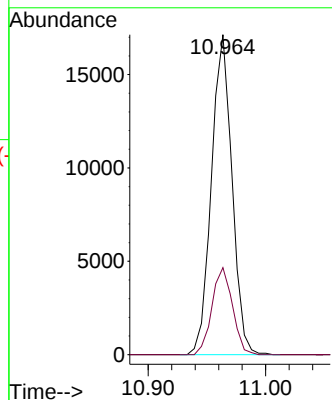
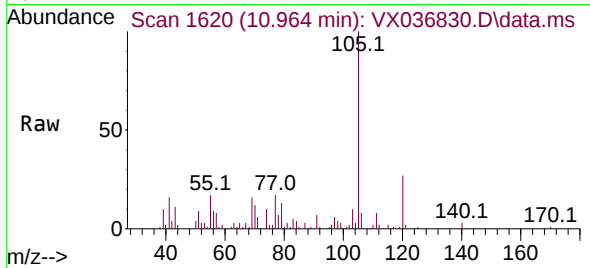




#73
Isopropylbenzene
Concen: 2.256 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

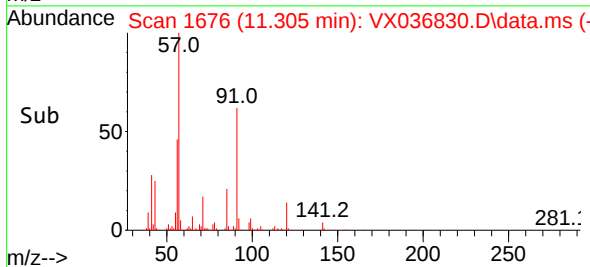
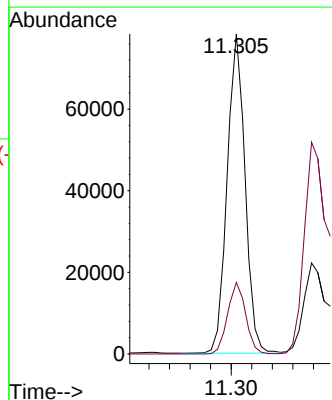
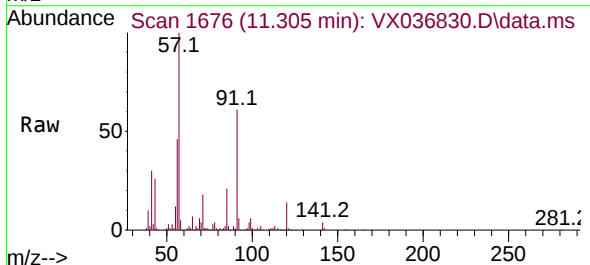
Instrument :
MSVOA_X
ClientSampleId :
520

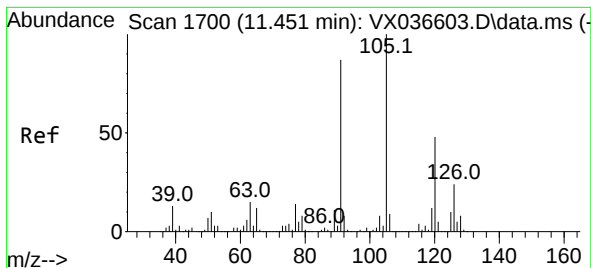
Tgt Ion:105 Resp: 20832
Ion Ratio Lower Upper
105 100
120 27.1 12.9 38.6



#78
n-propylbenzene
Concen: 8.825 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Tgt Ion: 91 Resp: 94265
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 12.835 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036830.D

Acq: 07 Aug 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

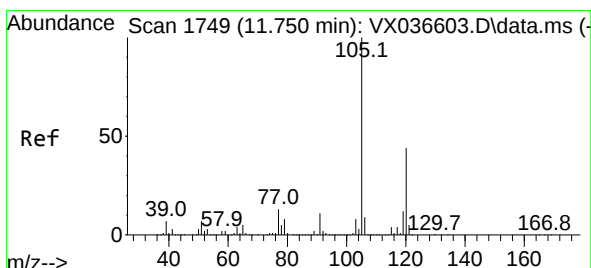
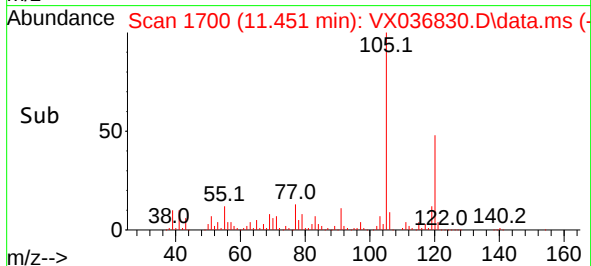
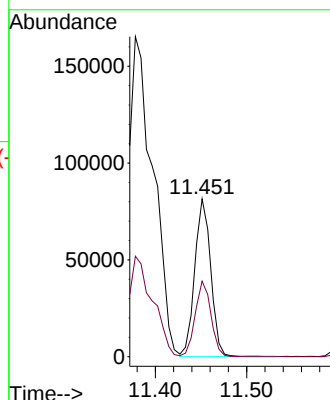
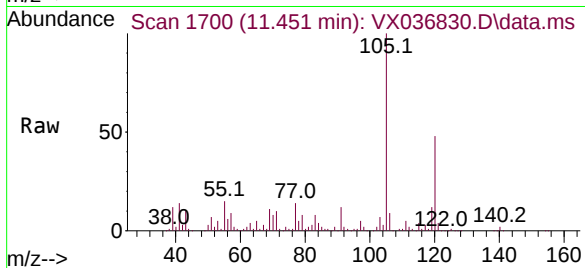
520

Tgt Ion:105 Resp: 99170

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 40.890 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX036830.D

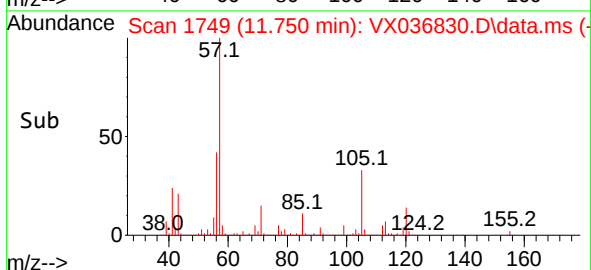
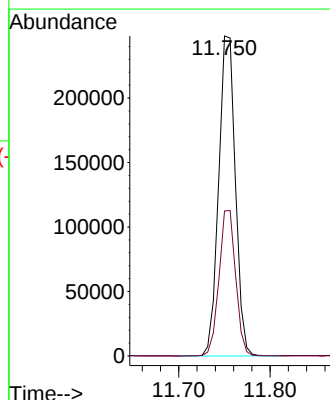
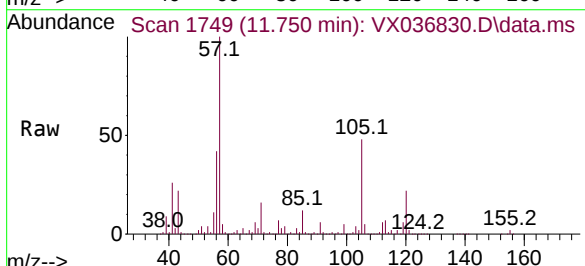
Acq: 07 Aug 2023 12:18

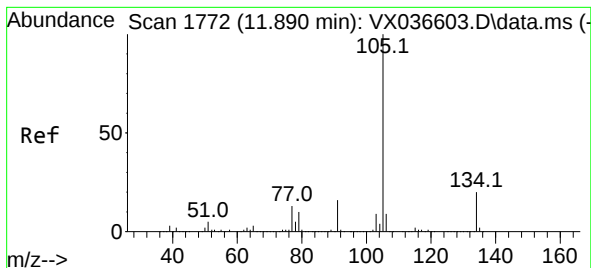
Tgt Ion:105 Resp: 315963

Ion Ratio Lower Upper

105 100

120 45.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 5.077 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036830.D

Acq: 07 Aug 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

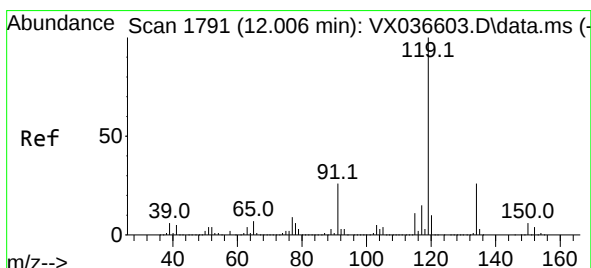
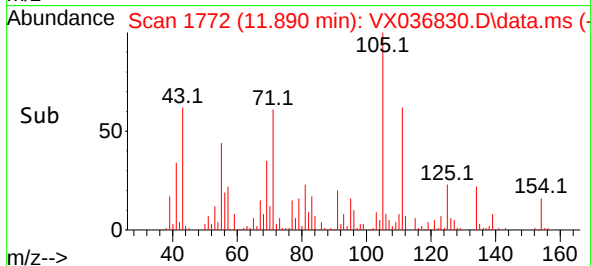
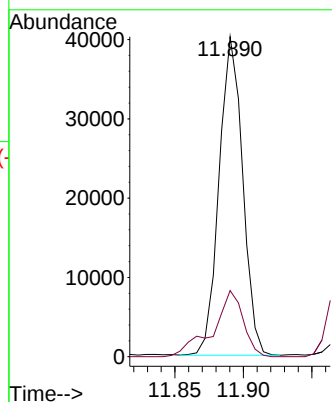
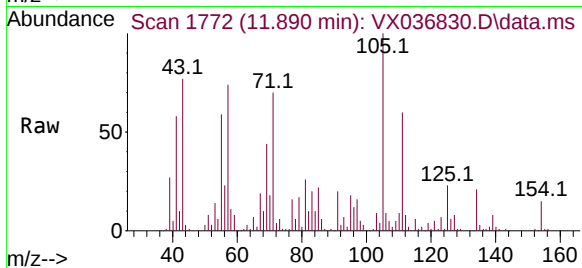
520

Tgt Ion:105 Resp: 48056

Ion Ratio Lower Upper

105 100

134 26.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 18.163 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX036830.D

Acq: 07 Aug 2023 12:18

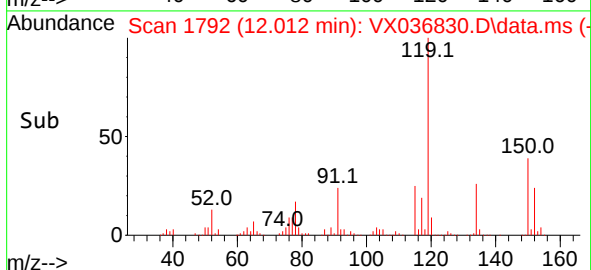
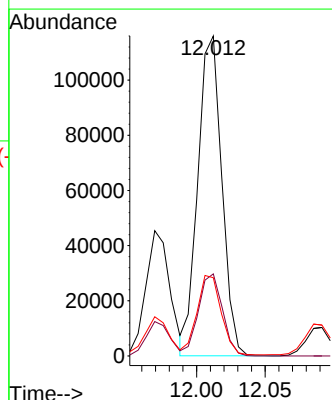
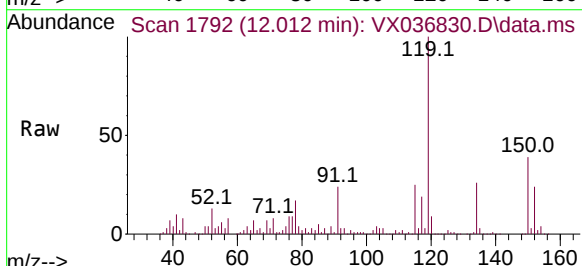
Tgt Ion:119 Resp: 141471

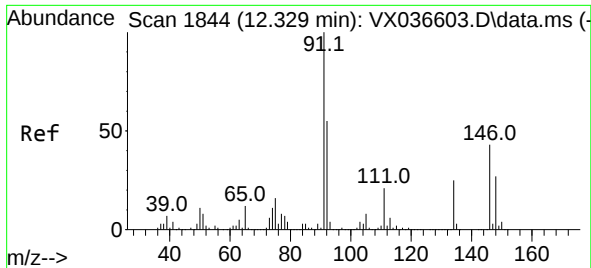
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

91 24.8 13.1 39.3

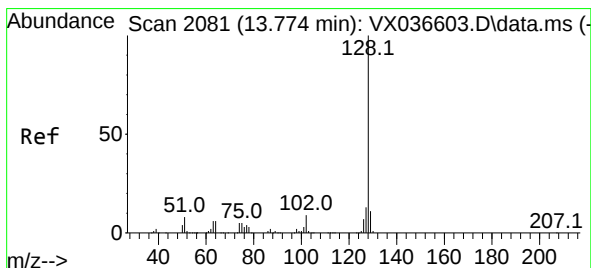
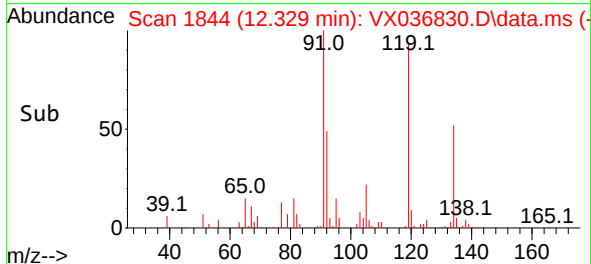
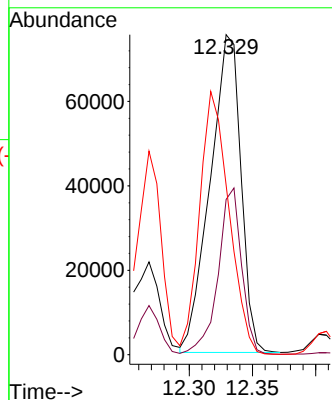
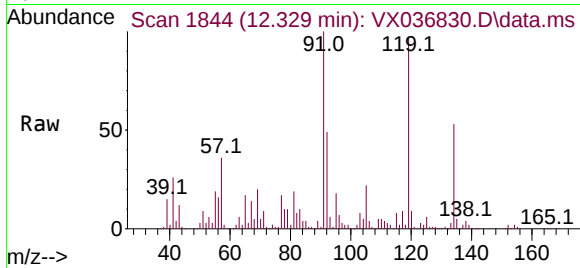




#89
n-Butylbenzene
Concen: 18.254 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :
520

Tgt Ion: 91 Resp: 127277
Ion Ratio Lower Upper
91 100
92 40.1 27.4 82.0
134 78.6 12.6 37.8#



#95
Naphthalene
Concen: 5.511 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036830.D
Acq: 07 Aug 2023 12:18

Tgt Ion:128 Resp: 44483
Ion Ratio Lower Upper
128 100
127 15.3 10.3 15.5
129 16.4 8.8 13.2#

