

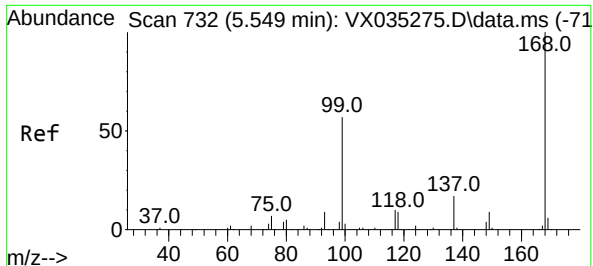
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035393.D
 Acq On : 28 Apr 2023 16:06
 Operator : JC/MD
 Sample : 02386-02ME 10X
 Misc : 3.32g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-1WC-23-04ME

Quant Time: Apr 29 00:39:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	244854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	406008	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	374257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	147166	49.819	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.640%
35) Dibromofluoromethane	5.385	113	121043	48.573	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.140%
50) Toluene-d8	8.647	98	481197	51.189	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.380%
62) 4-Bromofluorobenzene	11.079	95	185689	52.509	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.020%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	7.379	83	14502	3.062	ug/l	94
52) Toluene	8.720	92	13863	1.959	ug/l	96
65) Chlorobenzene	10.079	112	118474	14.632	ug/l	98
67) Ethyl Benzene	10.195	91	539617	38.482	ug/l	98
68) m/p-Xylenes	10.299	106	445192	82.855	ug/l	99
69) o-Xylene	10.640	106	129194	24.520	ug/l	98
73) Isopropylbenzene	10.963	105	76631	5.676	ug/l	98
78) n-propylbenzene	11.305	91	149764	9.659	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	203934	17.915	ug/l	99
83) tert-Butylbenzene	11.713	119	21642	1.895	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	646419	56.516	ug/l	98
85) sec-Butylbenzene	11.890	105	35838	2.558	ug/l #	56
86) p-Isopropyltoluene	12.012	119	83250	6.987	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	33883	5.313	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	181763	27.183	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	189794	29.755	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	58375	14.559	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	15373	3.809	ug/l	96

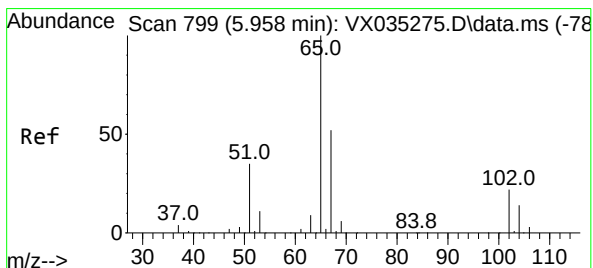
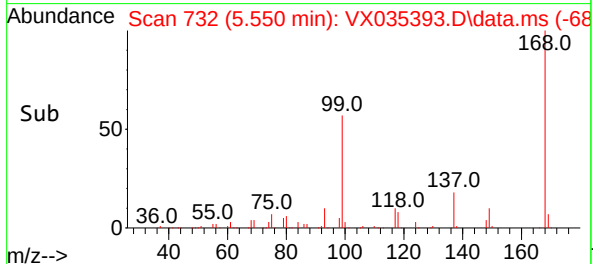
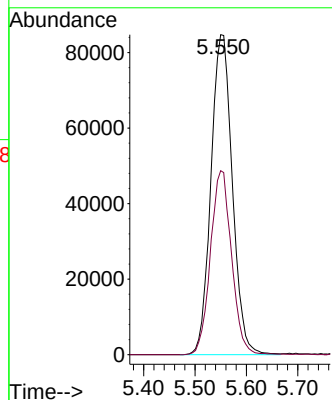
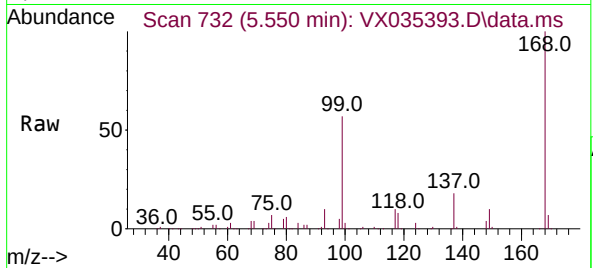
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

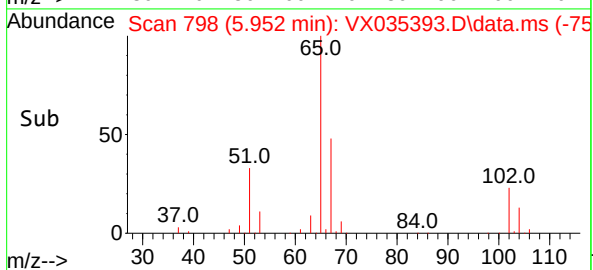
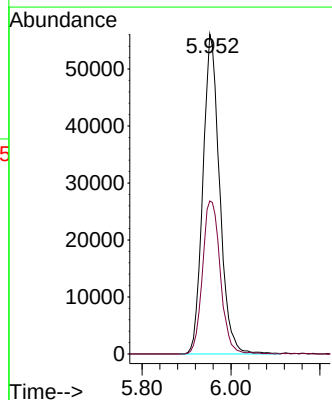
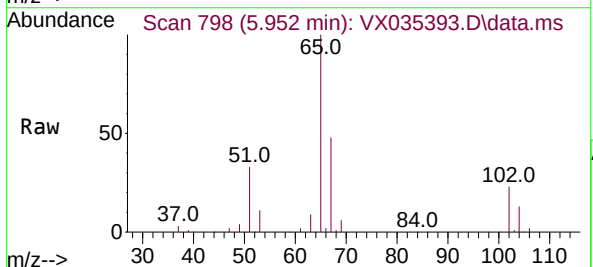
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04ME

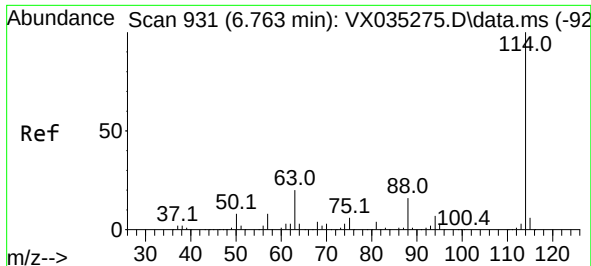
Tgt Ion:168 Resp: 244854
Ion Ratio Lower Upper
168 100
99 57.5 45.7 68.5



#33
1,2-Dichloroethane-d4
Concen: 49.819 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion: 65 Resp: 147166
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.0

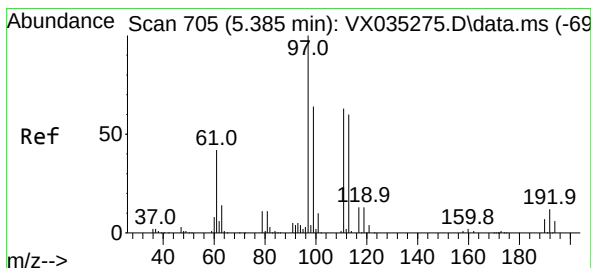
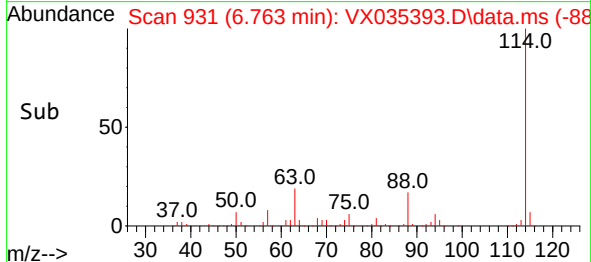
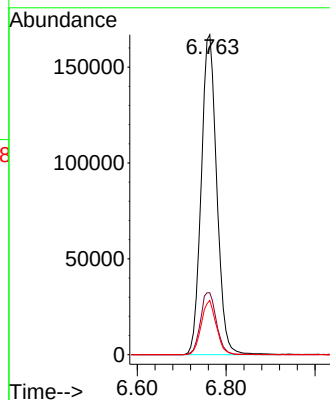
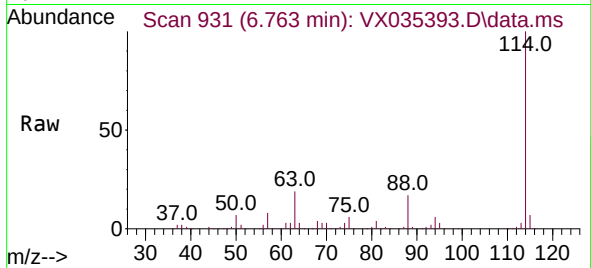




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

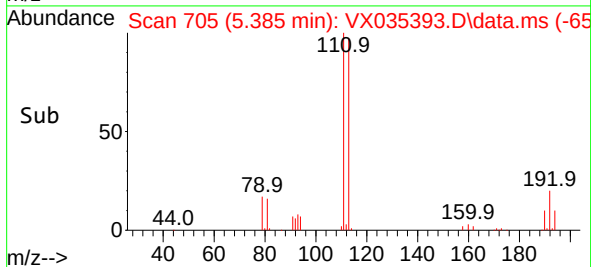
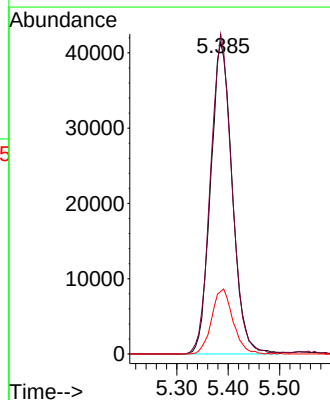
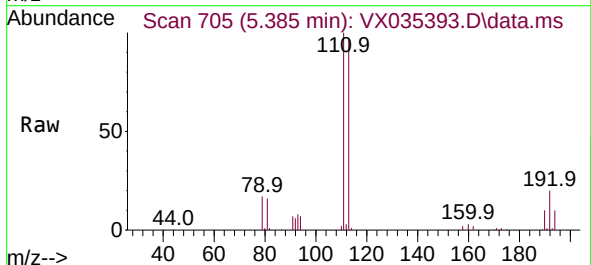
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04ME

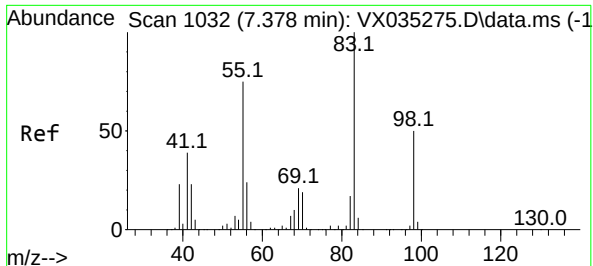
Tgt Ion:114 Resp: 406008
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.2
88 16.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.573 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion:113 Resp: 121043
Ion Ratio Lower Upper
113 100
111 101.5 83.7 125.5
192 20.5 15.4 23.2





#39

Methylcyclohexane

Concen: 3.062 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX035393.D

Acq: 28 Apr 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

SPA-1WC-23-04ME

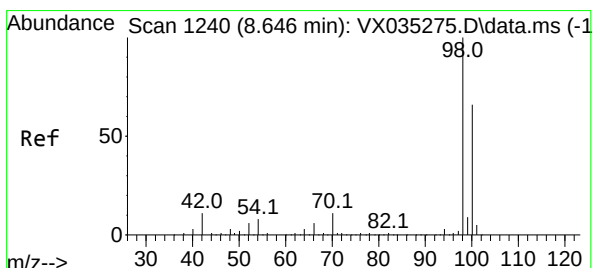
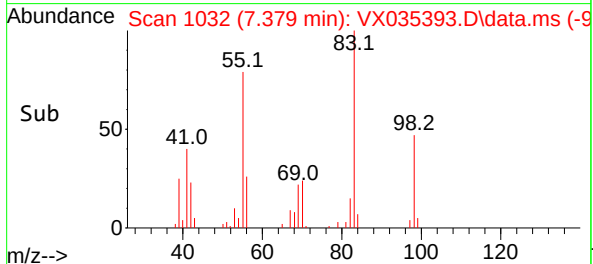
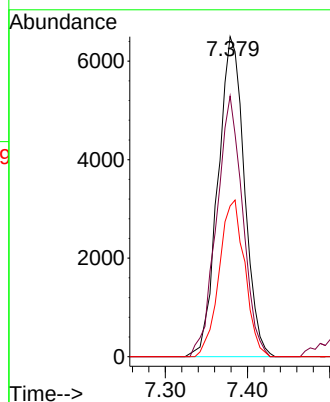
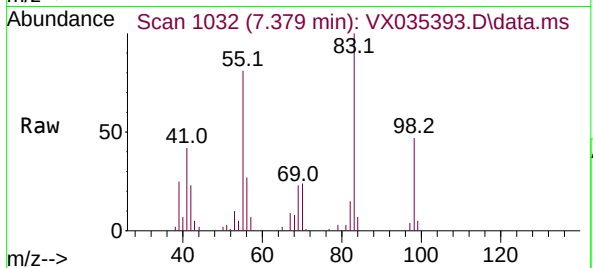
Tgt Ion: 83 Resp: 14502

Ion Ratio Lower Upper

83 100

55 81.4 60.5 90.7

98 47.1 40.4 60.6



#50

Toluene-d8

Concen: 51.189 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035393.D

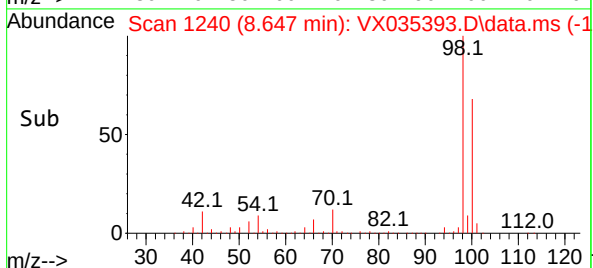
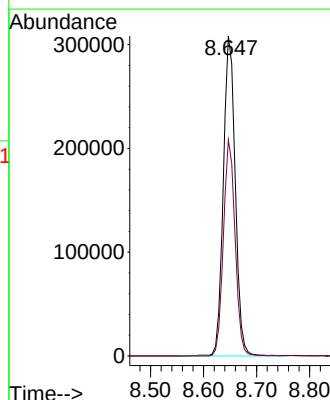
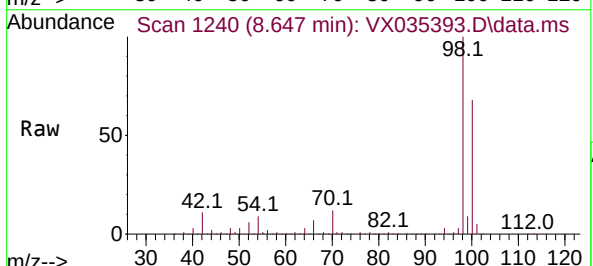
Acq: 28 Apr 2023 16:06

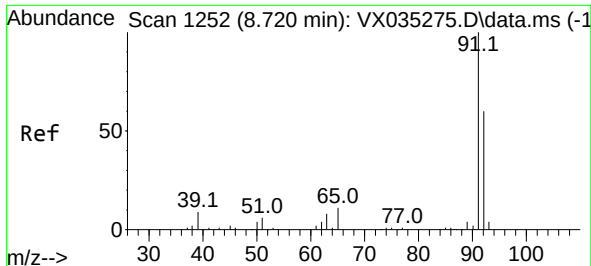
Tgt Ion: 98 Resp: 481197

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7

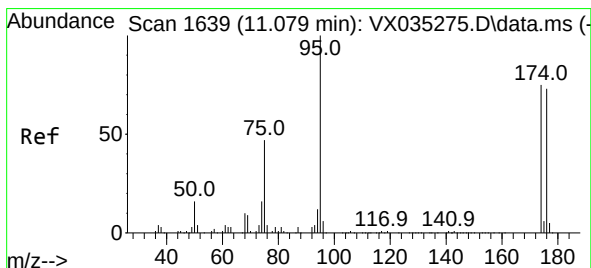
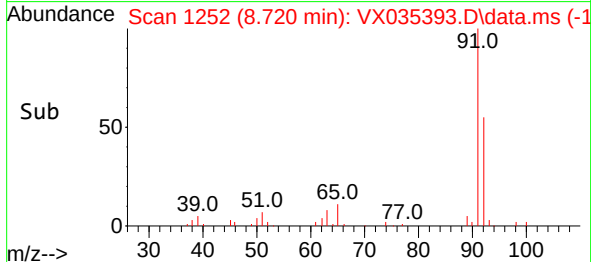
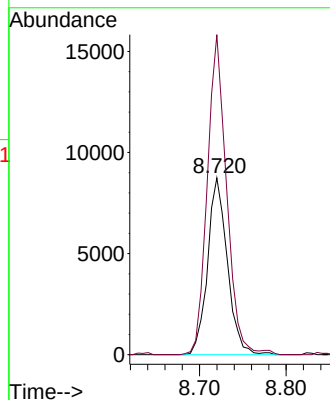
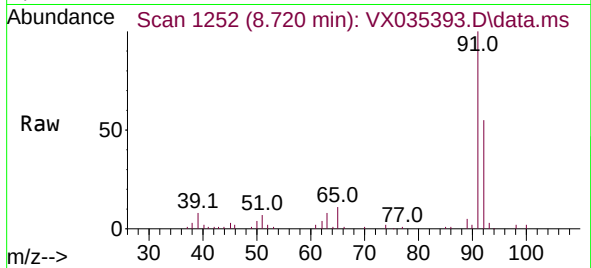




#52
Toluene
Concen: 1.959 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

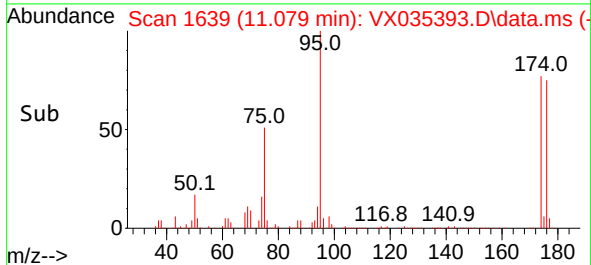
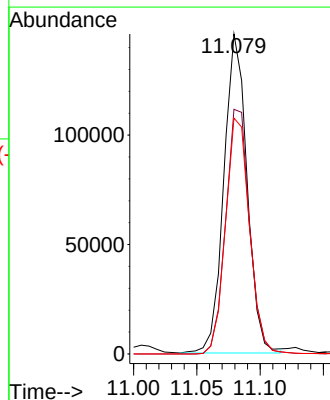
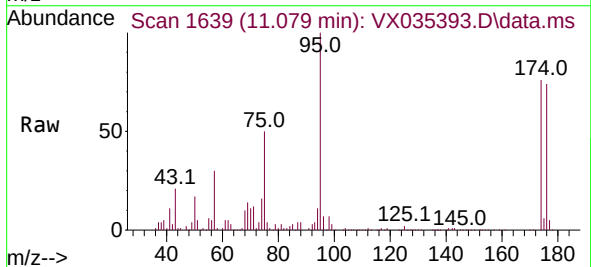
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04ME

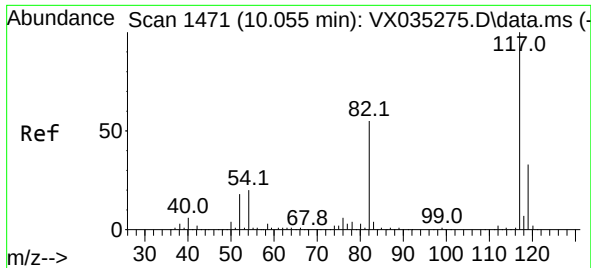
Tgt Ion: 92 Resp: 13863
Ion Ratio Lower Upper
92 100
91 177.0 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 52.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion: 95 Resp: 185689
Ion Ratio Lower Upper
95 100
174 79.1 0.0 147.4
176 76.7 0.0 140.6

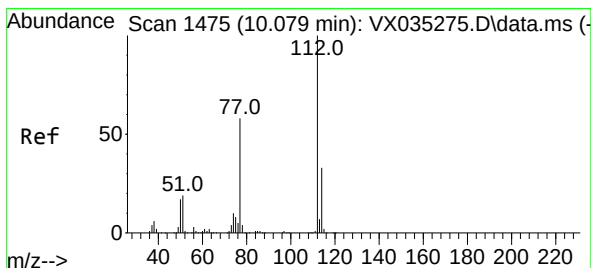
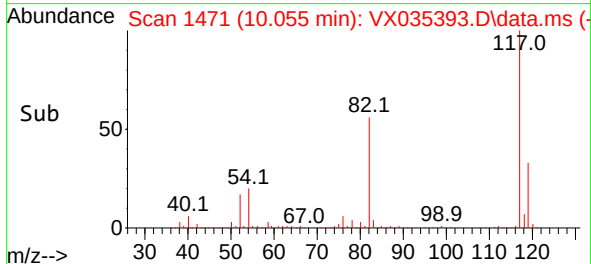
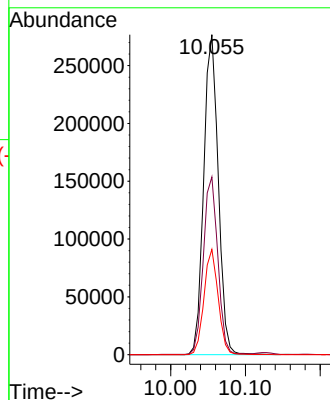
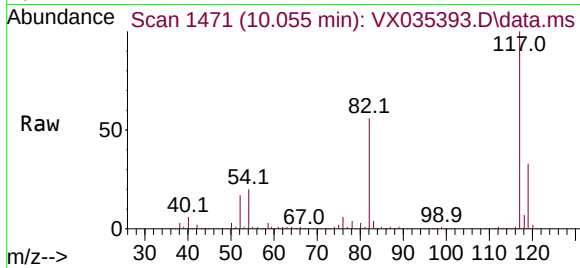




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

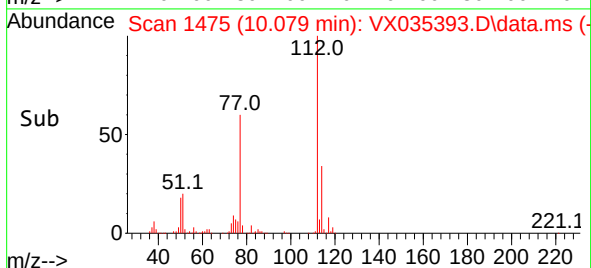
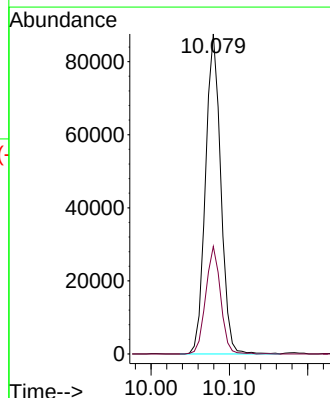
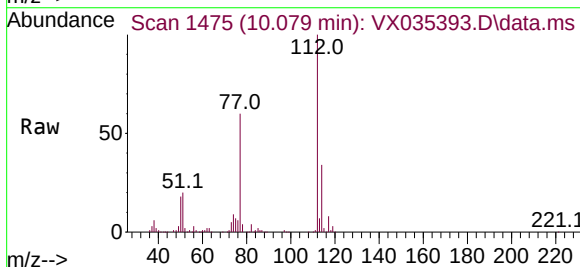
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04ME

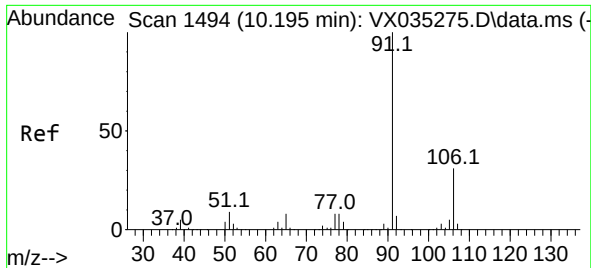
Tgt Ion:117 Resp: 374257
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 32.9 26.0 39.0



#65
Chlorobenzene
Concen: 14.632 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion:112 Resp: 118474
Ion Ratio Lower Upper
112 100
114 33.6 26.2 39.2

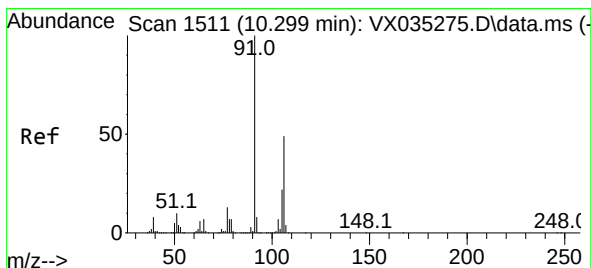
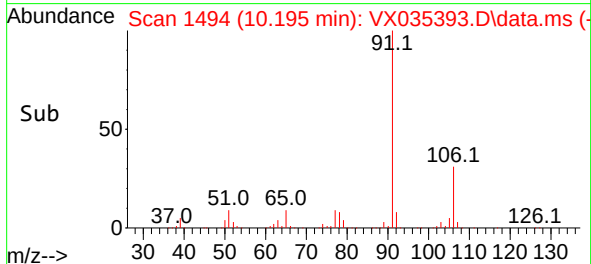
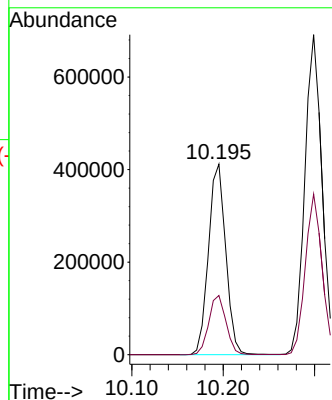
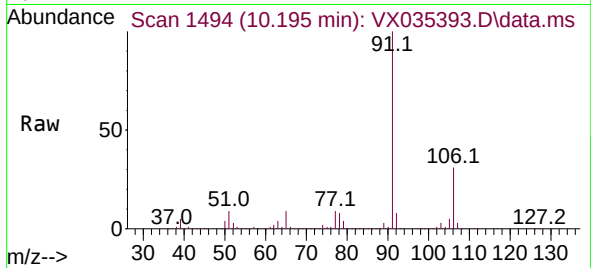




#67
Ethyl Benzene
Concen: 38.482 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

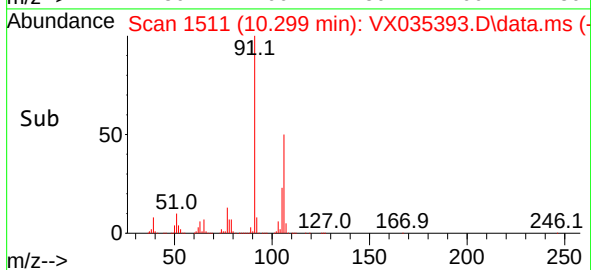
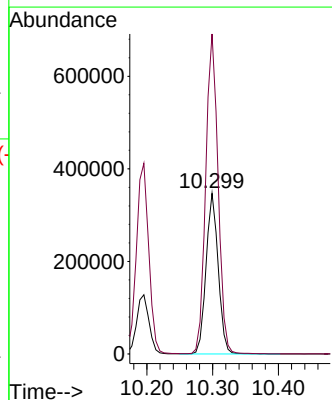
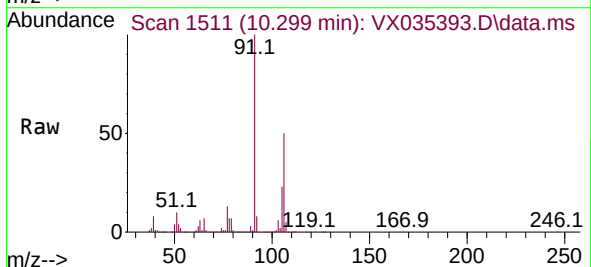
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ClientSampleId :
SPA-1WC-23-04ME

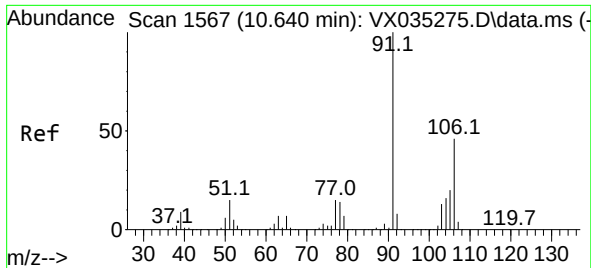
Tgt Ion: 91 Resp: 539617
Ion Ratio Lower Upper
91 100
106 31.1 25.6 38.4



#68
m/p-Xylenes
Concen: 82.855 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion: 106 Resp: 445192
Ion Ratio Lower Upper
106 100
91 202.9 164.0 246.0

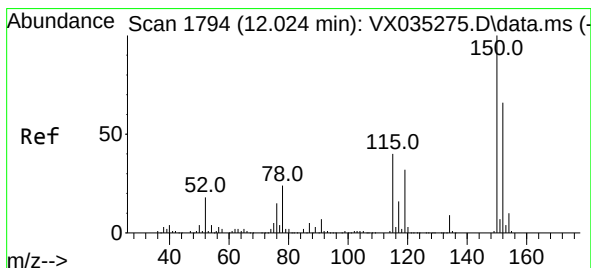
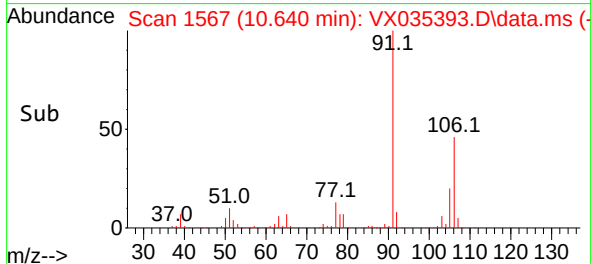
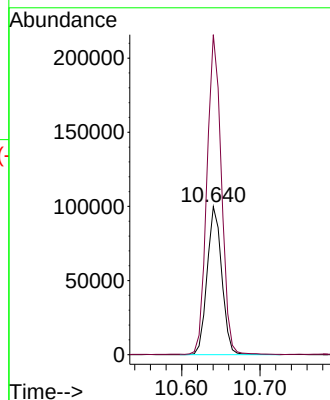
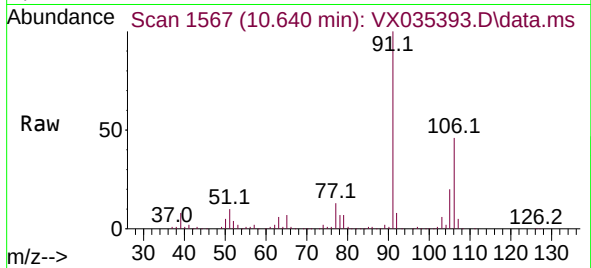




#69
o-Xylene
Concen: 24.520 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

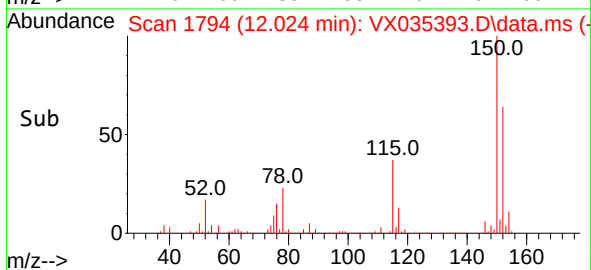
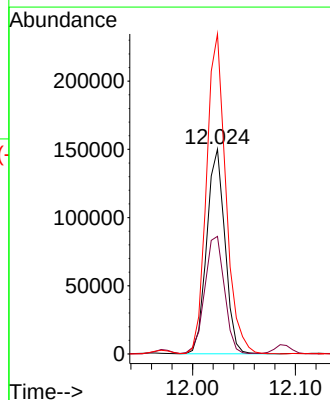
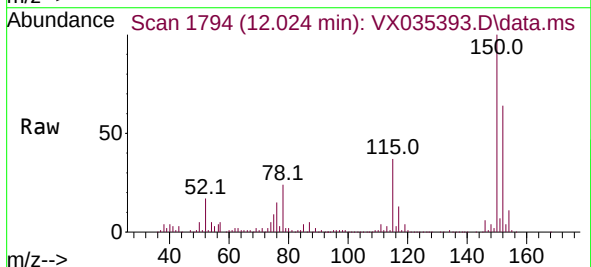
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04ME

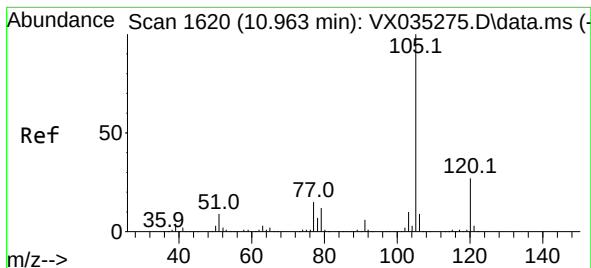
Tgt Ion:106 Resp: 129194
Ion Ratio Lower Upper
106 100
91 213.5 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion:152 Resp: 184686
Ion Ratio Lower Upper
152 100
115 62.3 45.0 135.0
150 165.7 0.0 352.4





#73

Isopropylbenzene

Concen: 5.676 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035393.D

Acq: 28 Apr 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

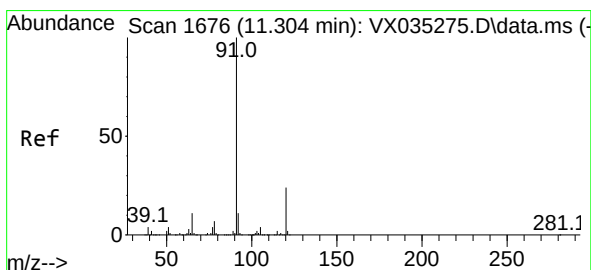
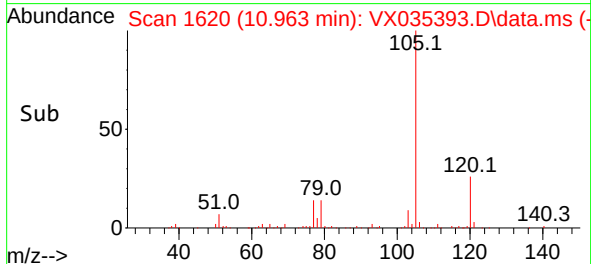
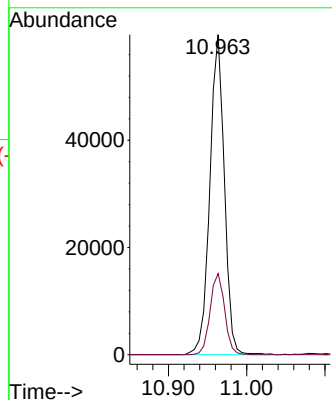
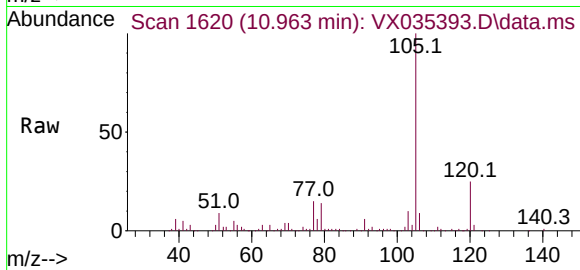
SPA-1WC-23-04ME

Tgt Ion:105 Resp: 76631

Ion Ratio Lower Upper

105 100

120 25.3 13.3 39.9



#78

n-propylbenzene

Concen: 9.659 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX035393.D

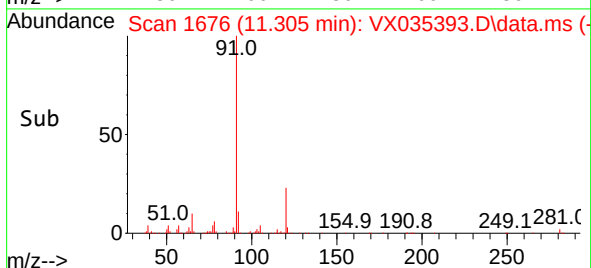
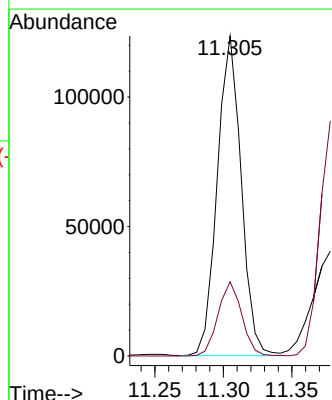
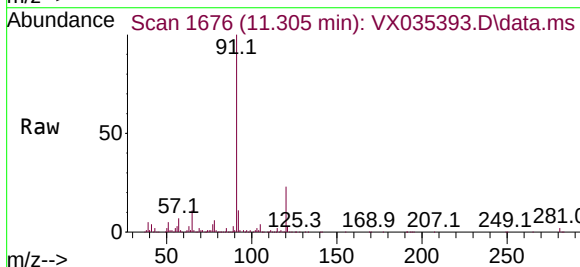
Acq: 28 Apr 2023 16:06

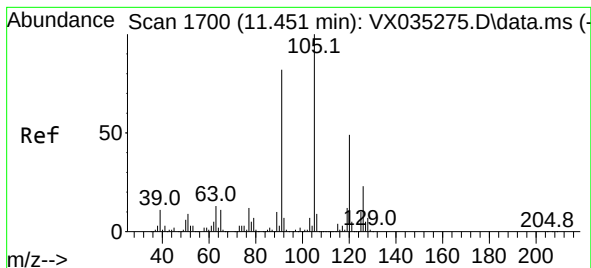
Tgt Ion: 91 Resp: 149764

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 17.915 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035393.D

Acq: 28 Apr 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

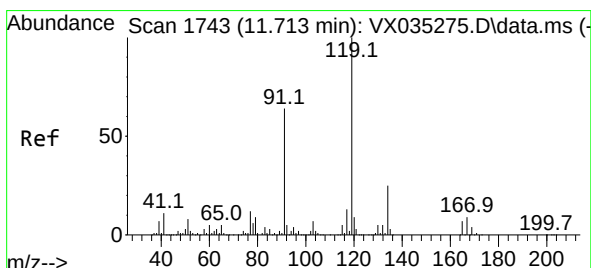
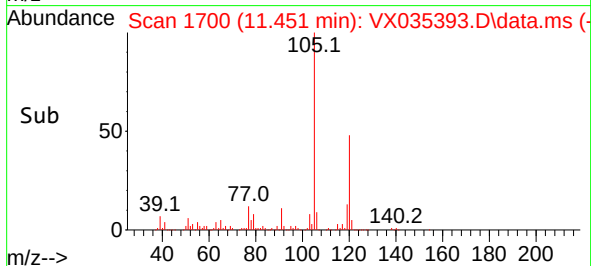
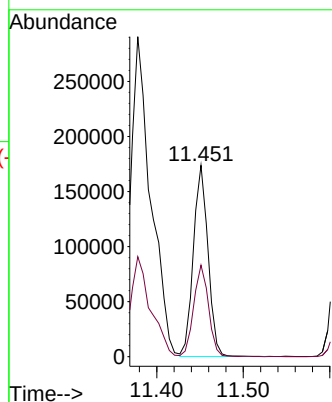
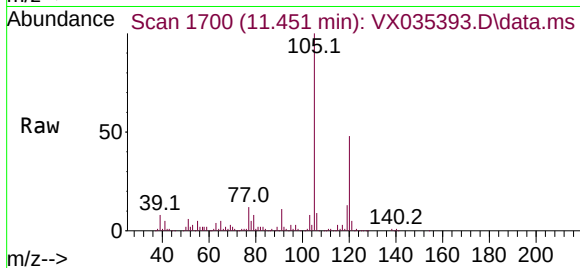
SPA-1WC-23-04ME

Tgt Ion:105 Resp: 203934

Ion Ratio Lower Upper

105 100

120 48.0 23.7 71.1



#83

tert-Butylbenzene

Concen: 1.895 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX035393.D

Acq: 28 Apr 2023 16:06

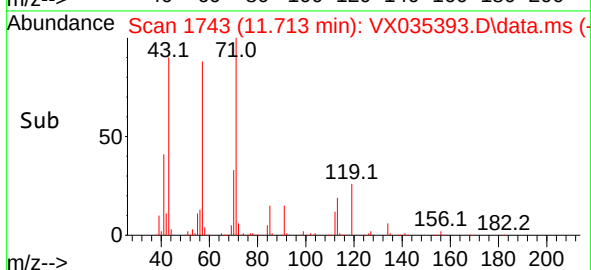
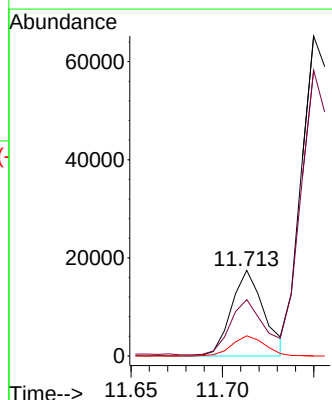
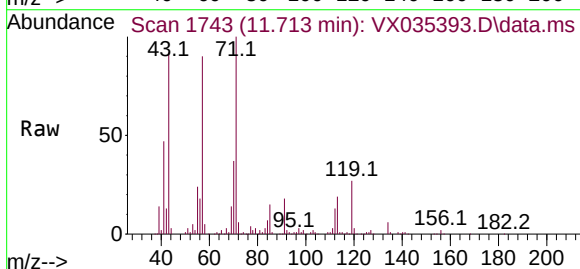
Tgt Ion:119 Resp: 21642

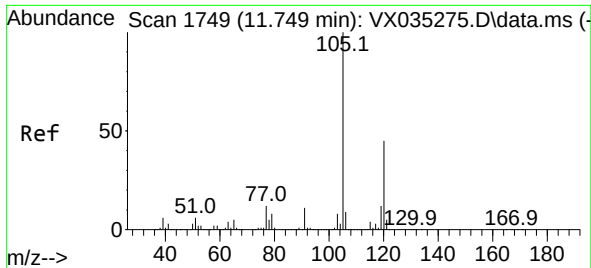
Ion Ratio Lower Upper

119 100

91 67.7 30.6 92.0

134 23.7 11.8 35.4

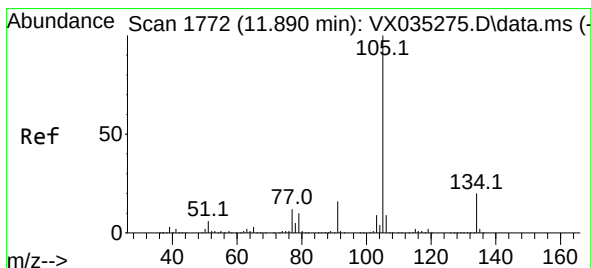
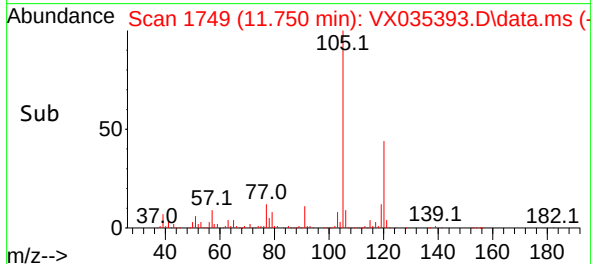
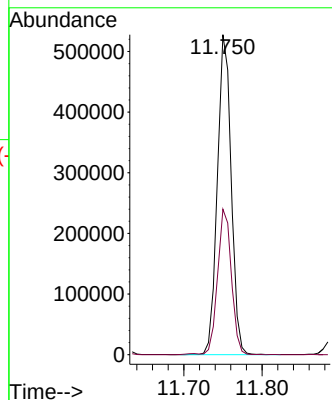
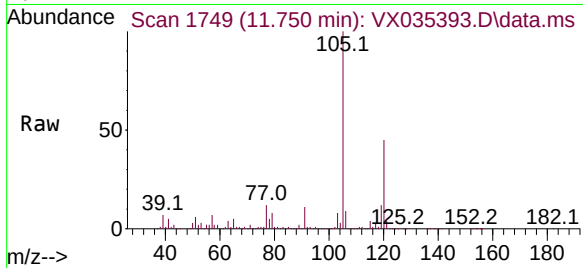




#84
1,2,4-Trimethylbenzene
Concen: 56.516 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

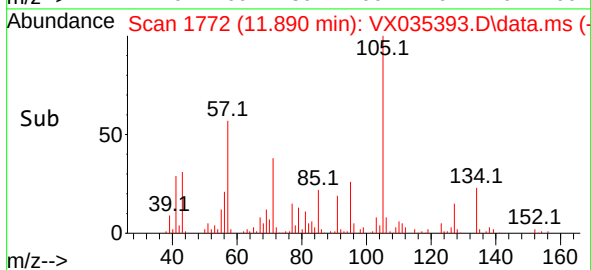
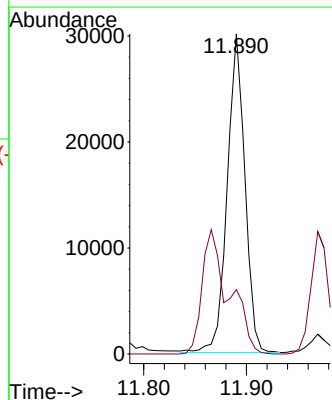
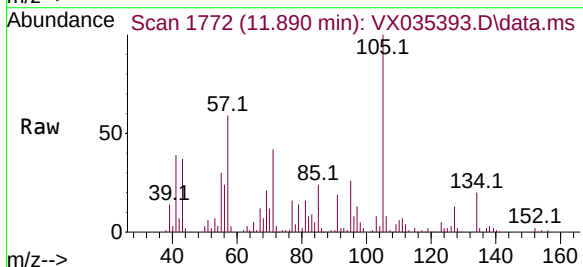
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04ME

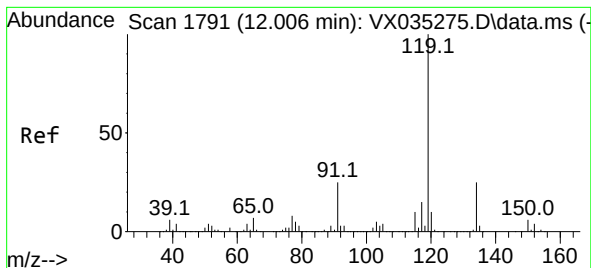
Tgt Ion:105 Resp: 646419
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.0



#85
sec-Butylbenzene
Concen: 2.558 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion:105 Resp: 35838
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

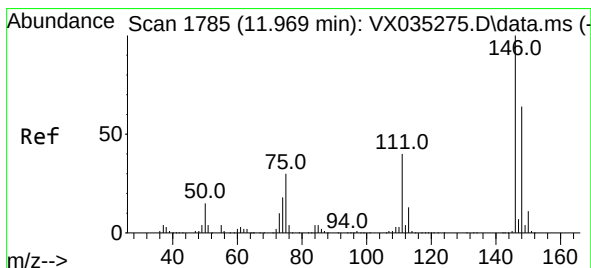
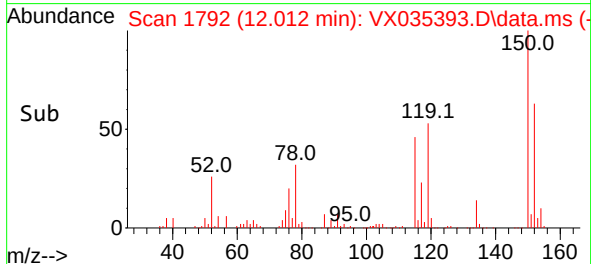
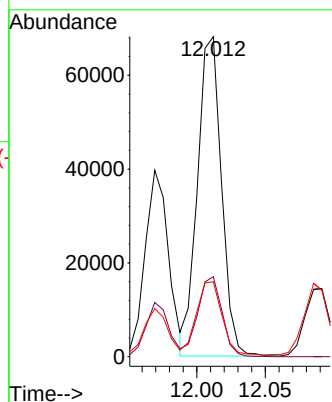
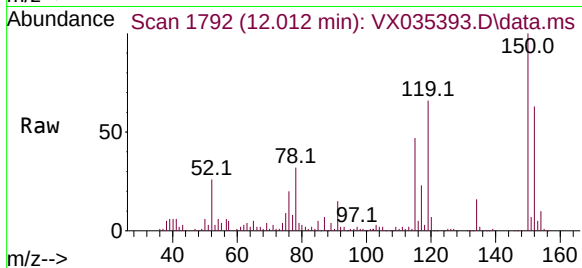




#86
p-Isopropyltoluene
Concen: 6.987 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

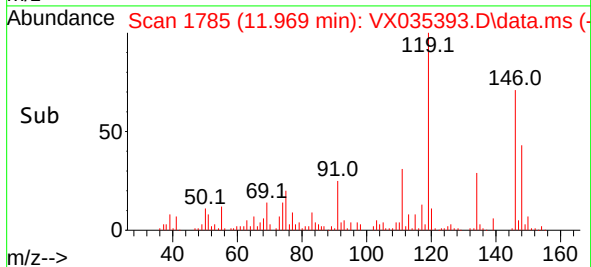
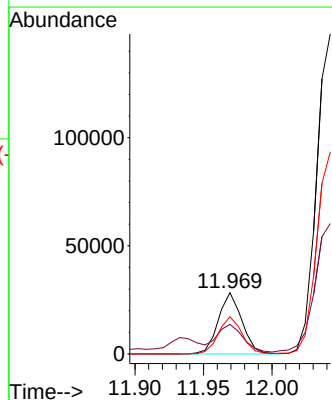
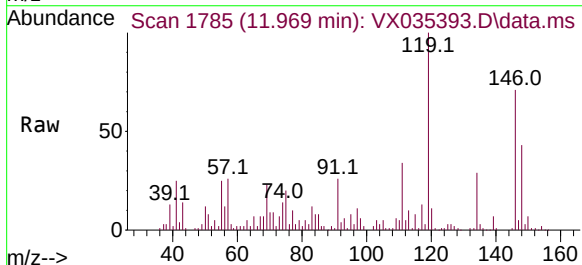
Instrument :
MSVOA_X
ClientSampleId :
SPA-1WC-23-04ME

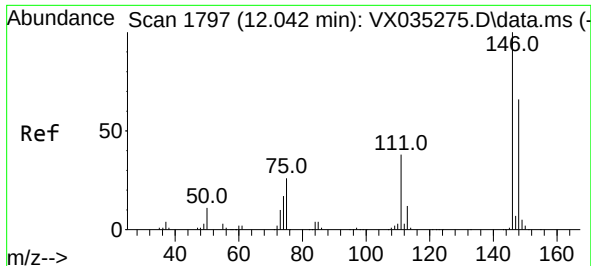
Tgt Ion:119 Resp: 83250
Ion Ratio Lower Upper
119 100
134 25.3 13.2 39.5
91 24.0 12.9 38.7



#87
1,3-Dichlorobenzene
Concen: 5.313 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035393.D
Acq: 28 Apr 2023 16:06

Tgt Ion:146 Resp: 33883
Ion Ratio Lower Upper
146 100
111 48.6 20.9 62.8
148 60.8 31.6 95.0

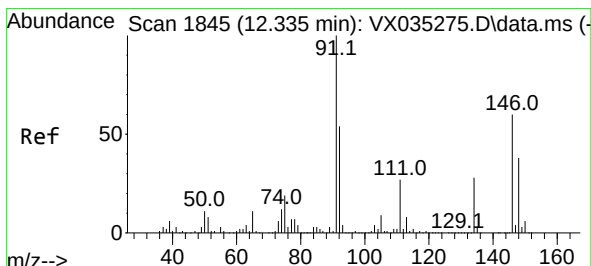
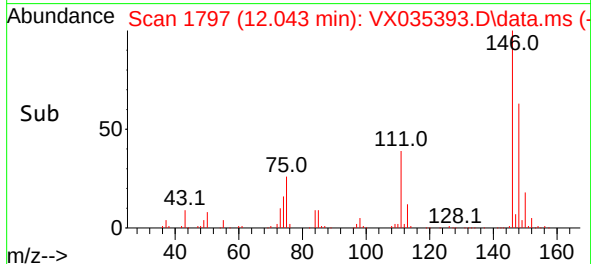
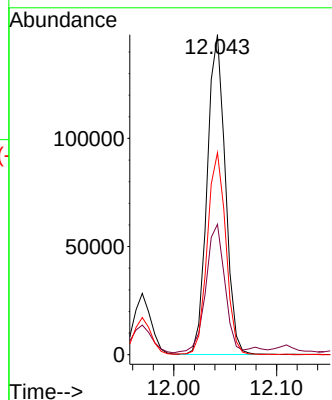
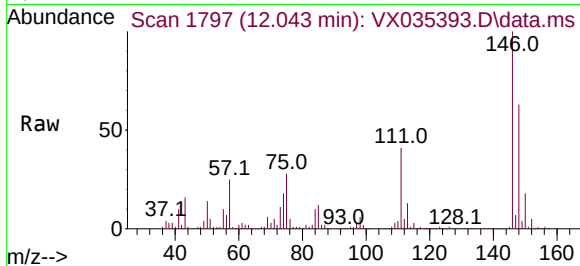




#88
 1,4-Dichlorobenzene
 Concen: 27.183 ug/l
 RT: 12.043 min Scan# 1
 Delta R.T. 0.001 min
 Lab File: VX035393.D
 Acq: 28 Apr 2023 16:06

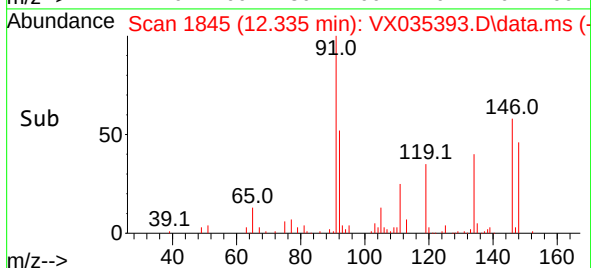
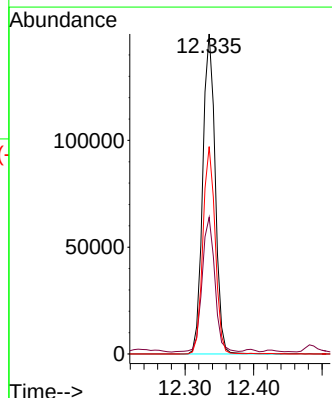
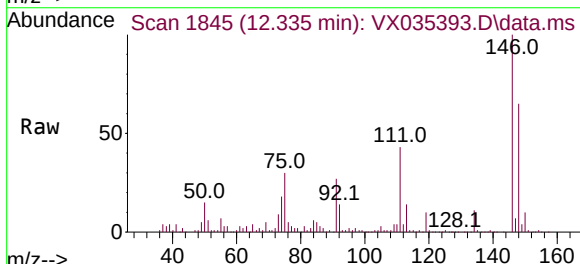
Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-1WC-23-04ME

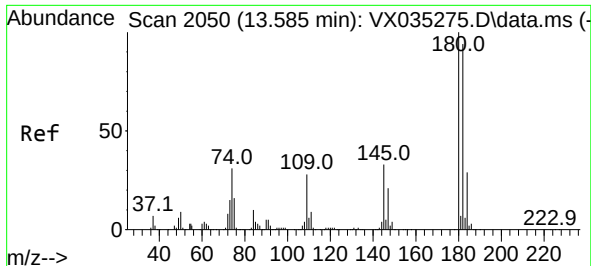
Tgt Ion:146 Resp: 181763
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.6 61.9
 148 64.4 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 29.755 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX035393.D
 Acq: 28 Apr 2023 16:06

Tgt Ion:146 Resp: 189794
 Ion Ratio Lower Upper
 146 100
 111 43.1 22.0 66.0
 148 63.6 32.0 96.0

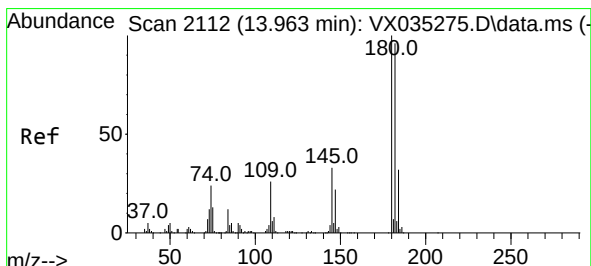
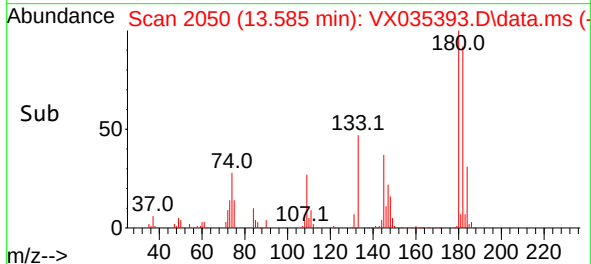
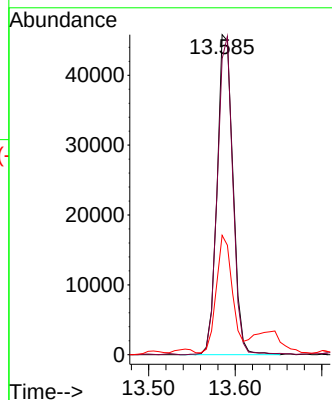
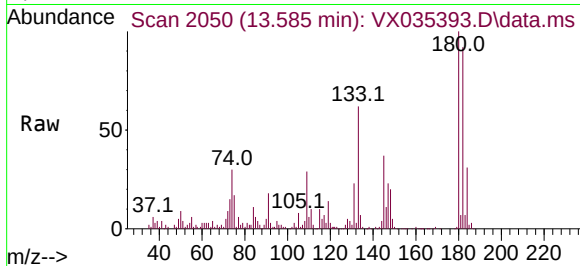




#93
 1,2,4-Trichlorobenzene
 Concen: 14.559 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX035393.D
 Acq: 28 Apr 2023 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SPA-1WC-23-04ME

Tgt Ion:180 Resp: 58375
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.0 141.0
 145 37.8 15.9 47.7



#96
 1,2,3-Trichlorobenzene
 Concen: 3.809 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX035393.D
 Acq: 28 Apr 2023 16:06

Tgt Ion:180 Resp: 15373
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.0 144.2
 145 38.4 17.7 53.1

