

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120121\
 Data File : VX025405.D
 Acq On : 01 Dec 2021 12:02
 Operator : JC/MD
 Sample : M4866-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30913

Quant Time: Dec 02 08:26:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

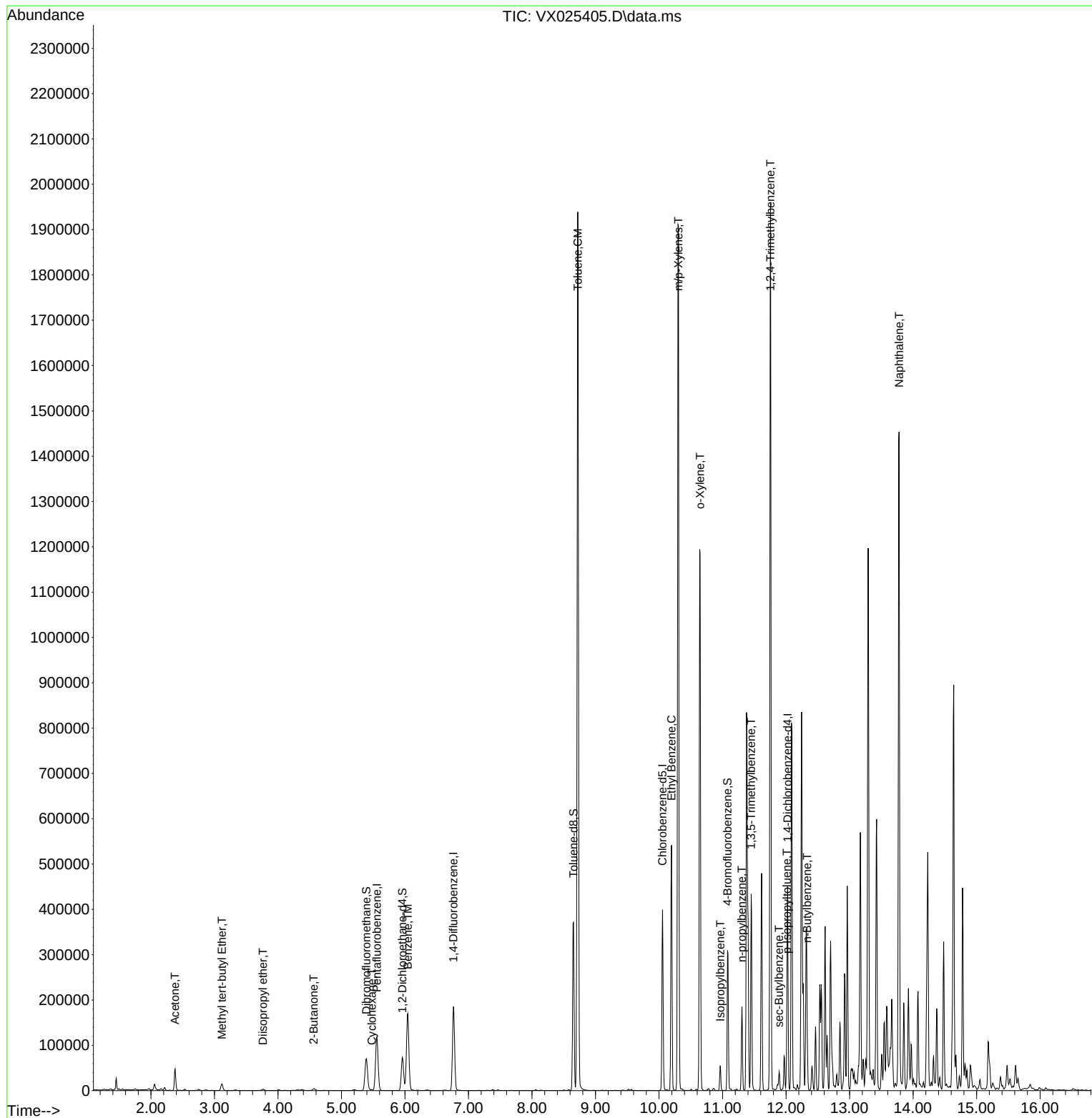
Internal Standards						
1) Pentafluorobenzene	5.556	168	120686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68351	53.730	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.460%			
35) Dibromofluoromethane	5.391	113	61102	50.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.653	98	230954	50.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.880%			
62) 4-Bromofluorobenzene	11.079	95	85142	49.148	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.300%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	48350	68.401	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	16725	4.291	ug/l	100
22) Diisopropyl ether	3.764	45	3098	0.804	ug/l #	81
25) 2-Butanone	4.562	43	7956	7.785	ug/l	96
31) Cyclohexane	5.477	56	1329	0.676	ug/l	95
40) Benzene	6.044	78	209054	39.849	ug/l	99
52) Toluene	8.720	92	735678	214.794	ug/l	97
67) Ethyl Benzene	10.195	91	310920	48.590	ug/l	97
68) m/p-Xylenes	10.305	106	479979	183.642	ug/l	93
69) o-Xylene	10.646	106	282731	110.524	ug/l	92
73) Isopropylbenzene	10.964	105	28219	4.346	ug/l	99
78) n-propylbenzene	11.305	91	111402	15.285	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	187500	34.354	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	854824	158.468	ug/l	95
85) sec-Butylbenzene	11.890	105	21710m	3.220	ug/l	
86) p-Isopropyltoluene	12.012	119	16377	2.827	ug/l	99
89) n-Butylbenzene	12.329	91	58340	11.947	ug/l #	31
95) Naphthalene	13.780	128	957284	156.522	ug/l	100

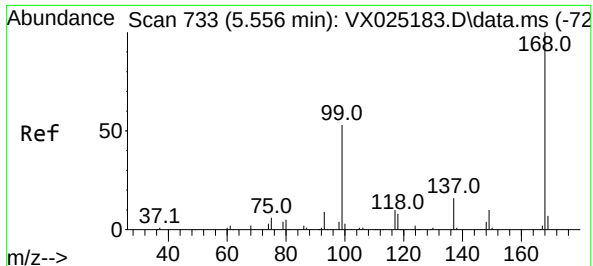
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

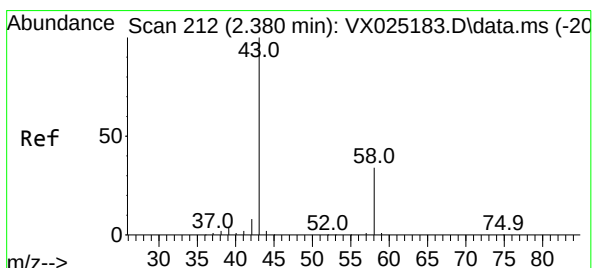
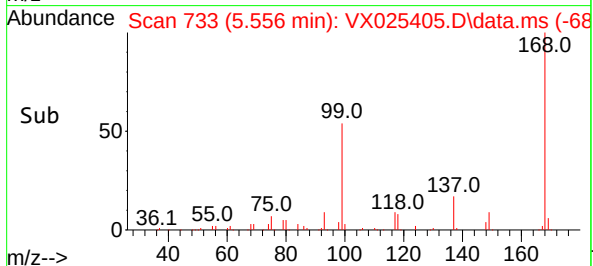
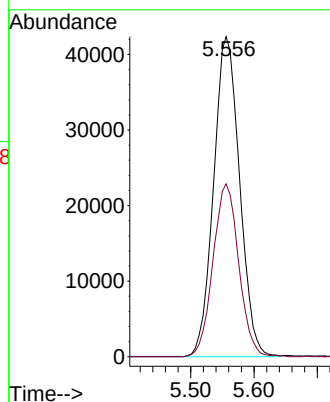
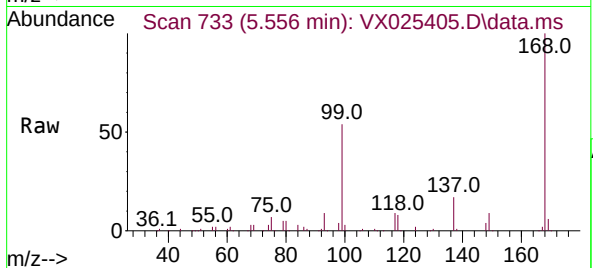
Instrument :

MSVOA_X

ClientSampleId :

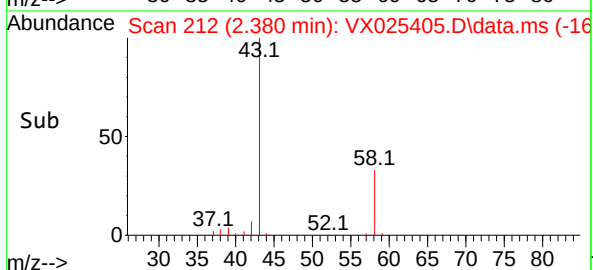
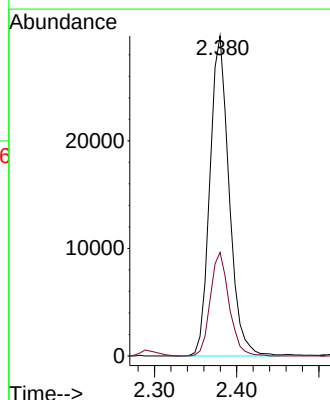
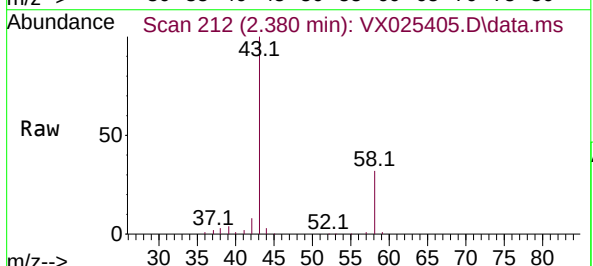
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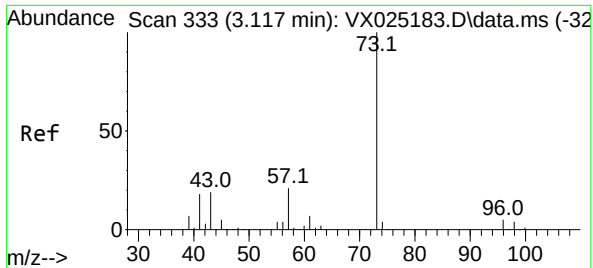
Tgt Ion:168 Resp: 120686
Ion Ratio Lower Upper
168 100
99 54.0 46.4 69.6



#16
Acetone
Concen: 68.401 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

Tgt Ion: 43 Resp: 48350
Ion Ratio Lower Upper
43 100
58 32.4 24.0 36.0

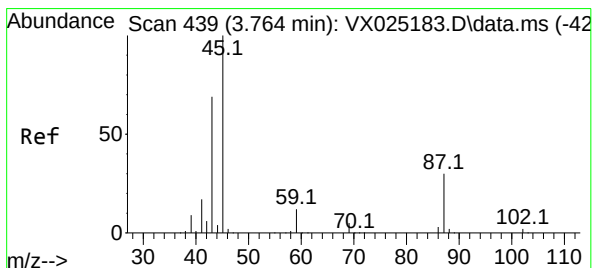
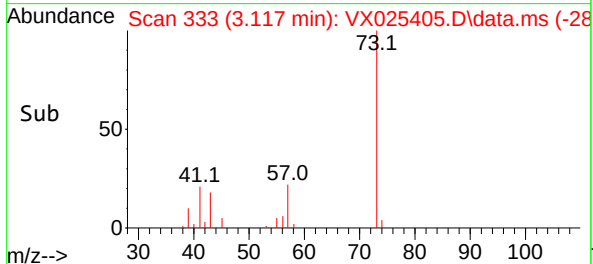
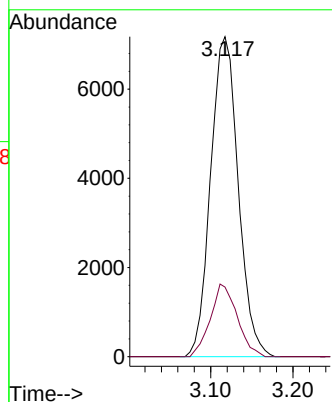
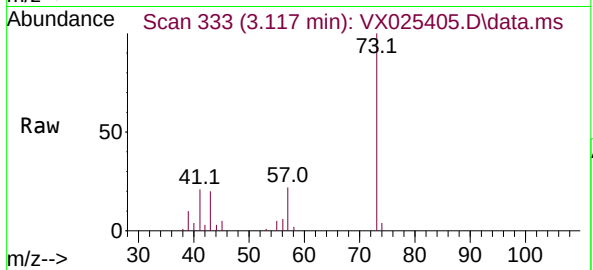




#19
Methyl tert-butyl Ether
Concen: 4.291 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

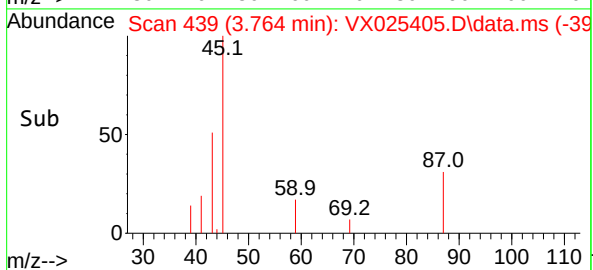
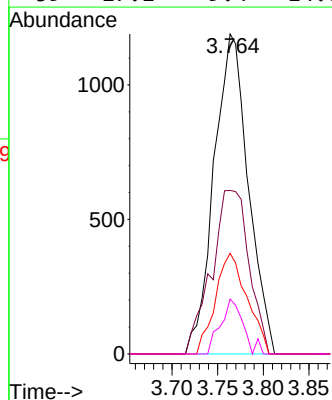
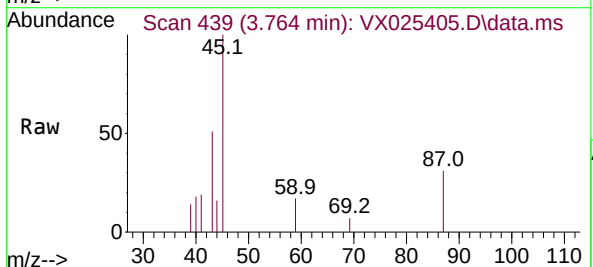
Instrument :
MSVOA_X
ClientSampleId :
30913

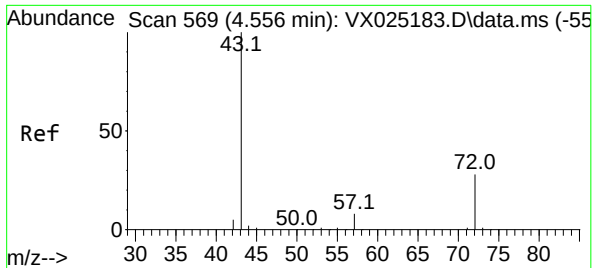
Tgt Ion: 73 Resp: 16725
Ion Ratio Lower Upper
73 100
57 21.7 17.5 26.3



#22
Diisopropyl ether
Concen: 0.804 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

Tgt Ion: 45 Resp: 3098
Ion Ratio Lower Upper
45 100
43 51.1 58.3 87.5#
87 31.4 23.7 35.5
59 17.1 9.4 14.0#

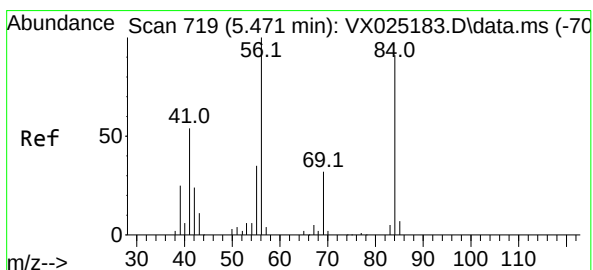
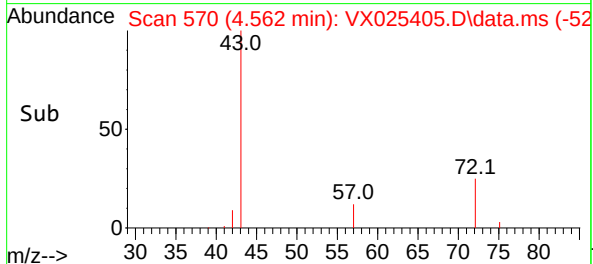
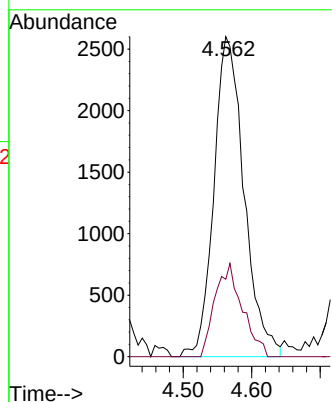
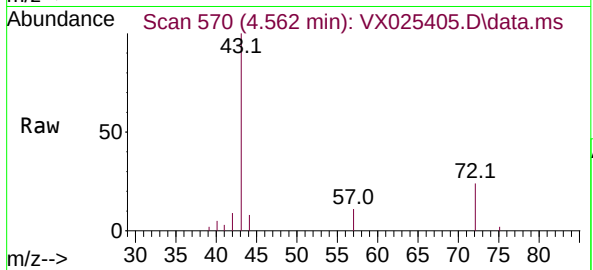




#25
2-Butanone
Concen: 7.785 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

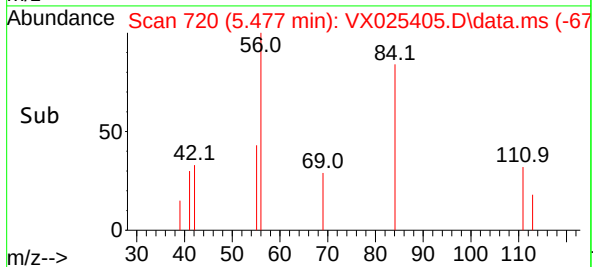
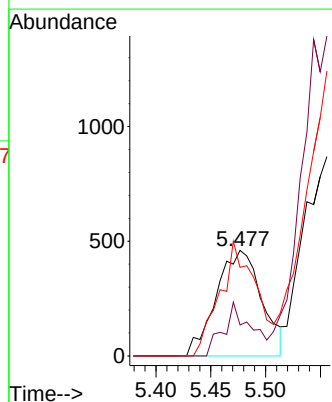
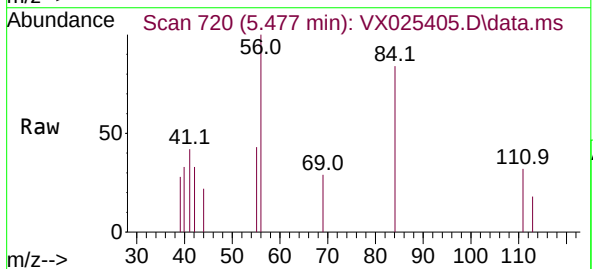
Instrument :
MSVOA_X
ClientSampleId :
30913

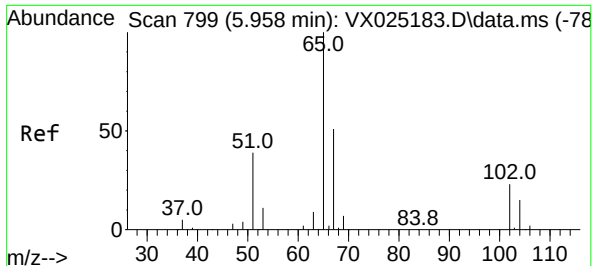
Tgt Ion: 43 Resp: 7956
Ion Ratio Lower Upper
43 100
72 24.2 21.2 31.8



#31
Cyclohexane
Concen: 0.676 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

Tgt Ion: 56 Resp: 1329
Ion Ratio Lower Upper
56 100
69 29.3 24.2 36.2
84 83.9 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 53.730 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025405.D

Acq: 01 Dec 2021 12:02

Instrument :

MSVOA_X

ClientSampleId :

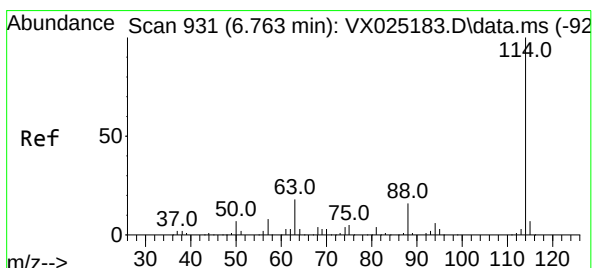
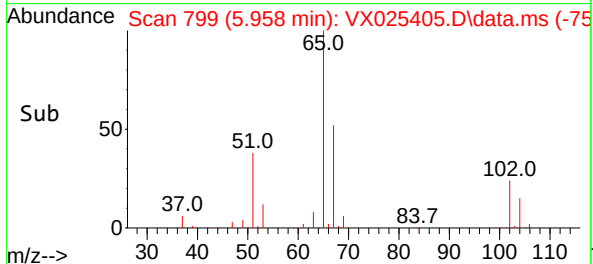
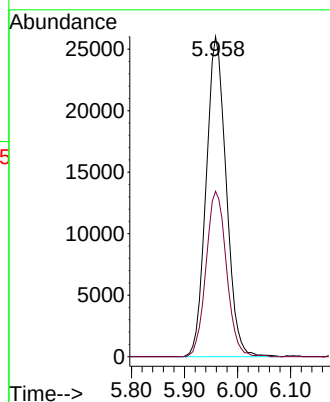
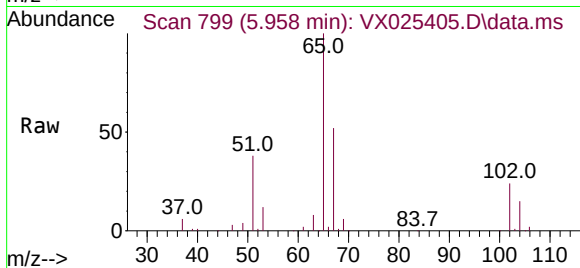
30913

Tgt Ion: 65 Resp: 68351

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025405.D

Acq: 01 Dec 2021 12:02

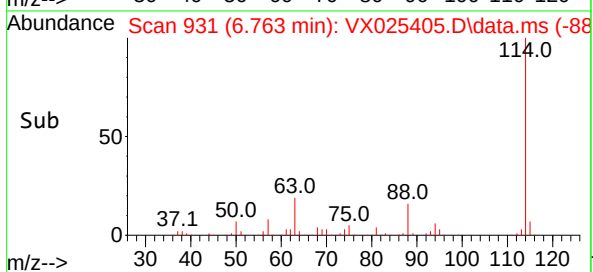
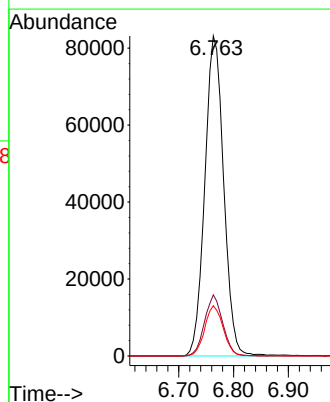
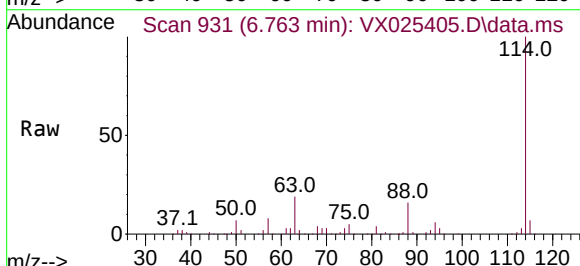
Tgt Ion: 114 Resp: 198497

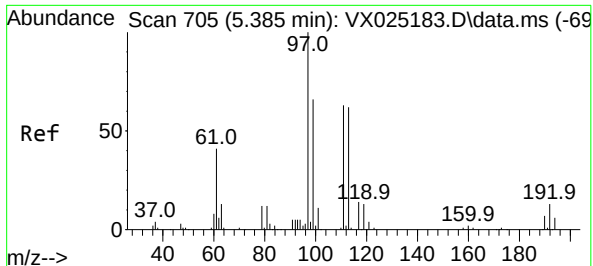
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.0

88 15.7 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.170 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025405.D

Acq: 01 Dec 2021 12:02

Instrument :

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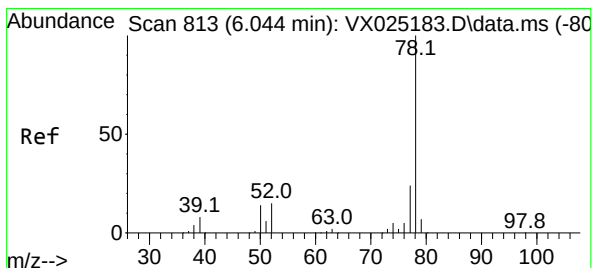
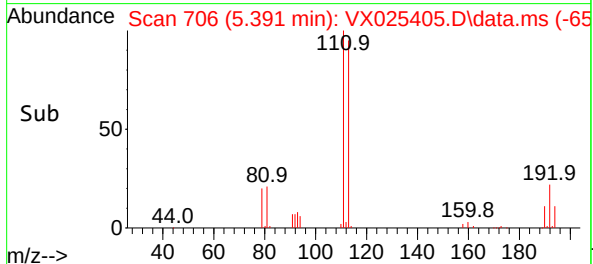
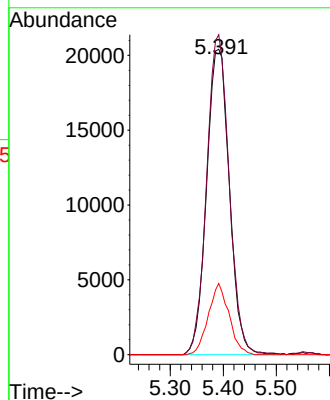
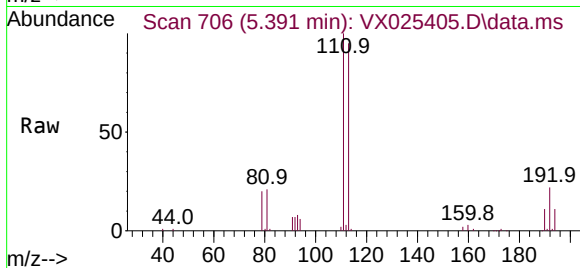
Tgt Ion:113 Resp: 61102

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

192 21.2 15.6 23.4



#40

Benzene

Concen: 39.849 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX025405.D

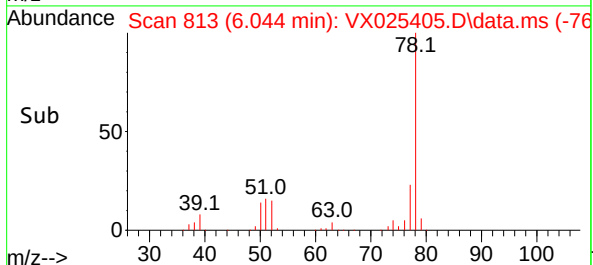
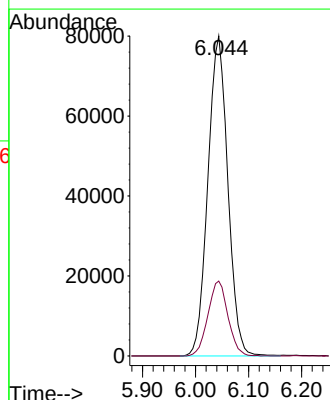
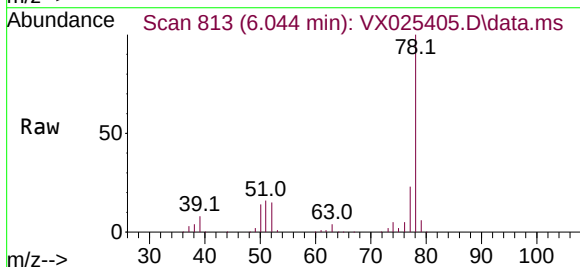
Acq: 01 Dec 2021 12:02

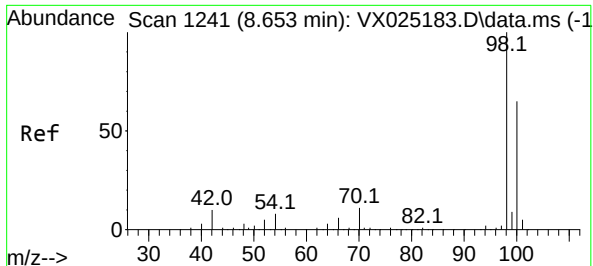
Tgt Ion: 78 Resp: 209054

Ion Ratio Lower Upper

78 100

77 23.4 18.3 27.5

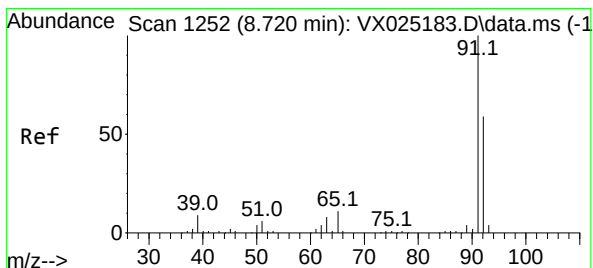
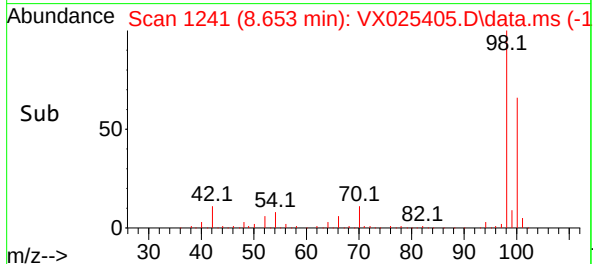
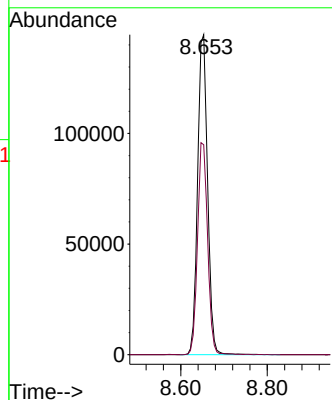
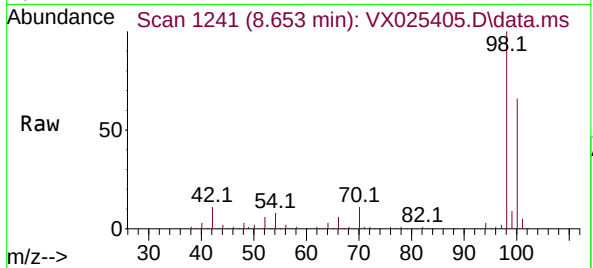




#50
Toluene-d8
Concen: 50.436 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

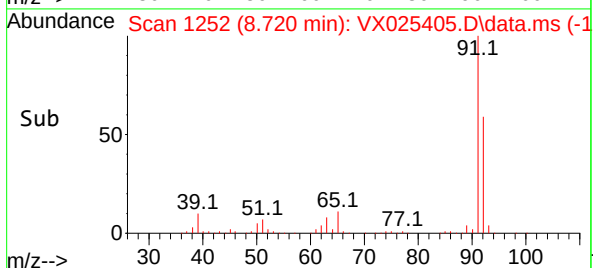
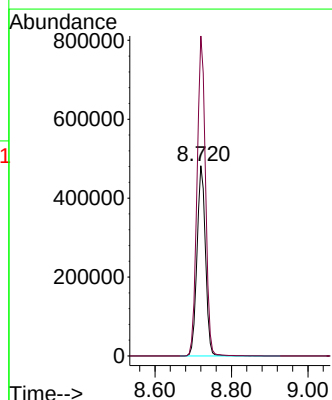
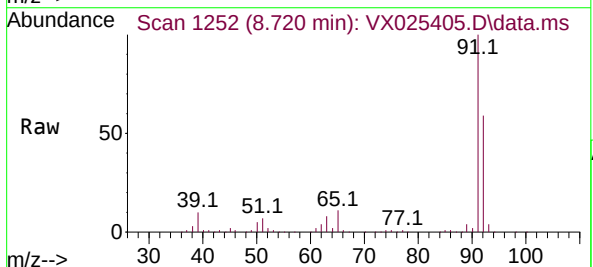
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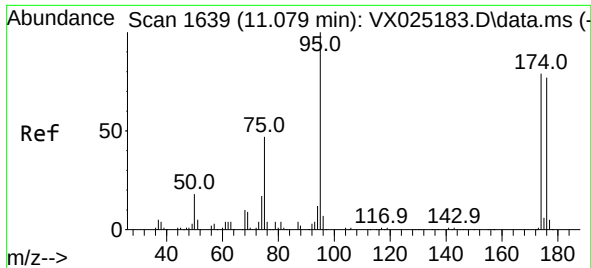
Tgt Ion: 98 Resp: 230954
Ion Ratio Lower Upper
98 100
100 66.9 51.4 77.0



#52
Toluene
Concen: 214.794 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

Tgt Ion: 92 Resp: 735678
Ion Ratio Lower Upper
92 100
91 168.7 138.6 208.0

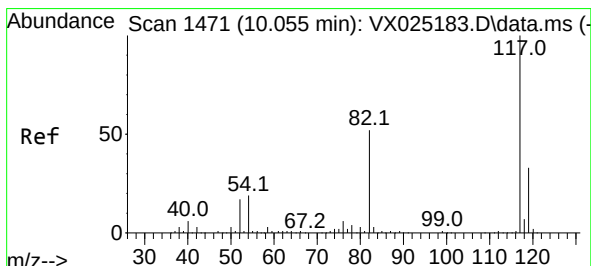
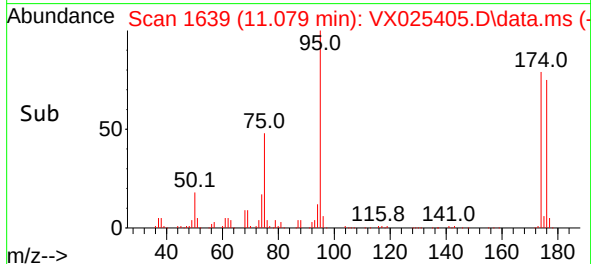
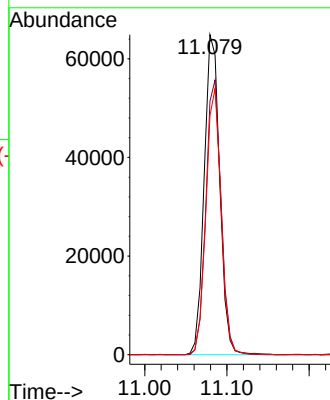
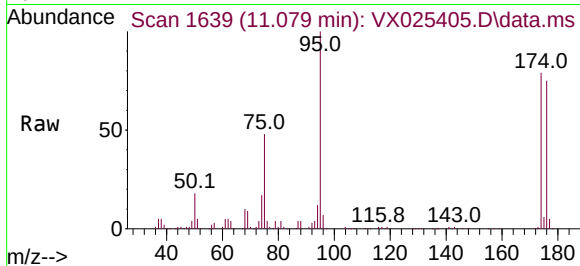




#62
4-Bromofluorobenzene
Concen: 49.148 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

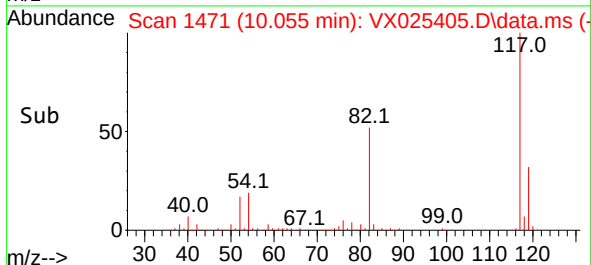
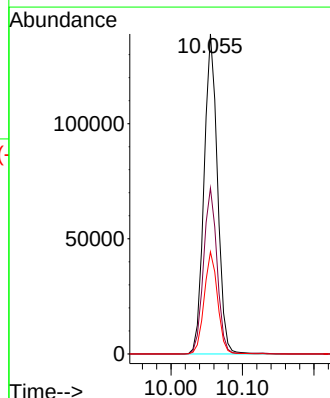
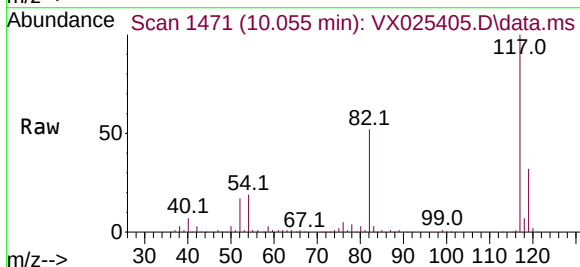
Instrument :
MSVOA_X
ClientSampleId :
30913

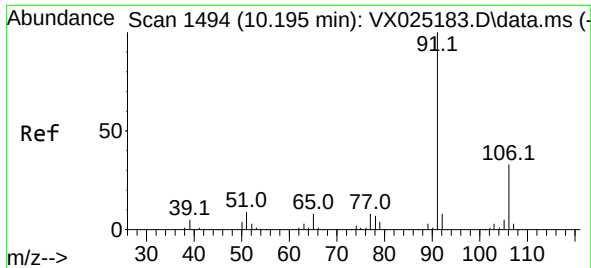
Tgt Ion: 95 Resp: 85142
Ion Ratio Lower Upper
95 100
174 84.3 0.0 158.0
176 81.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

Tgt Ion: 117 Resp: 181706
Ion Ratio Lower Upper
117 100
82 51.9 44.6 67.0
119 31.9 24.8 37.2





#67

Ethyl Benzene

Concen: 48.590 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX025405.D

Acq: 01 Dec 2021 12:02

Instrument :

MSVOA_X

ClientSampleId :

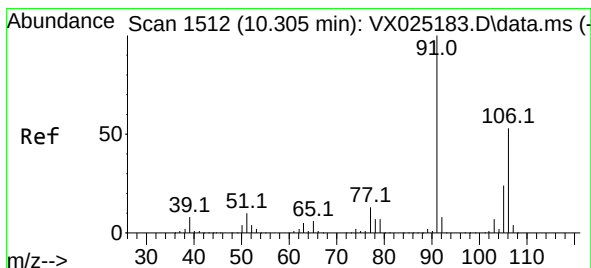
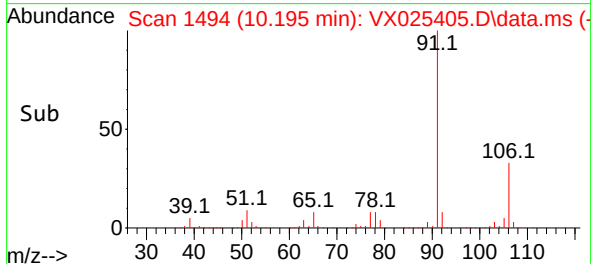
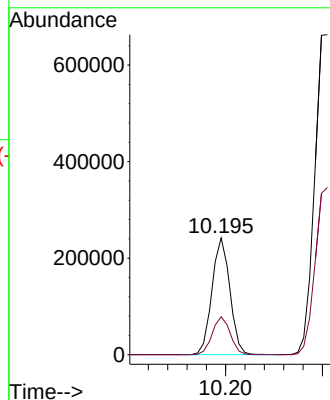
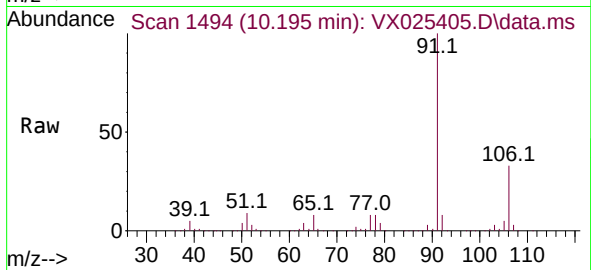
30913

Tgt Ion: 91 Resp: 310920

Ion Ratio Lower Upper

91 100

106 32.5 24.7 37.1



#68

m/p-Xylenes

Concen: 183.642 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX025405.D

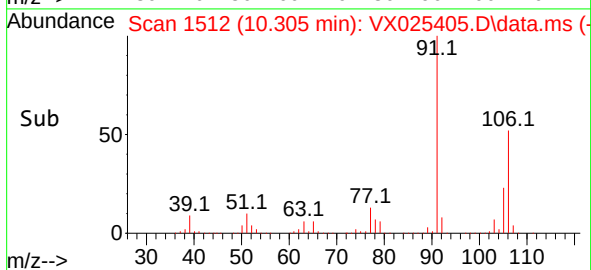
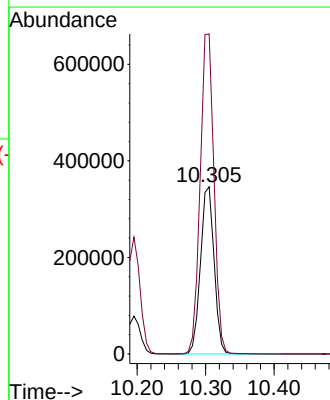
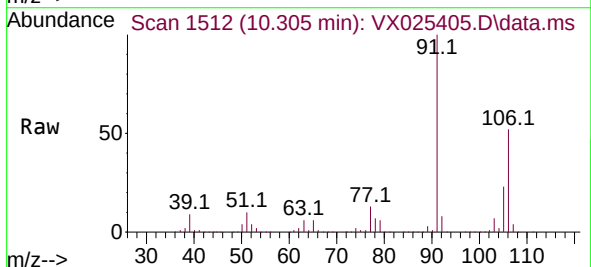
Acq: 01 Dec 2021 12:02

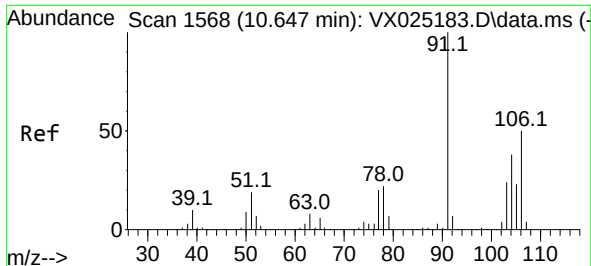
Tgt Ion:106 Resp: 479979

Ion Ratio Lower Upper

106 100

91 194.1 163.4 245.0

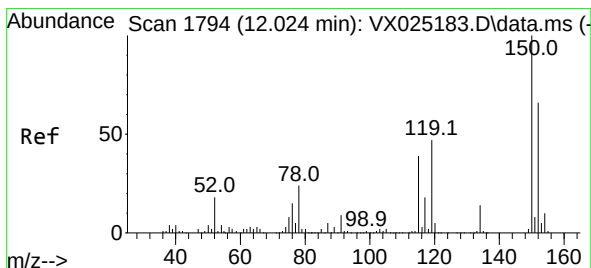
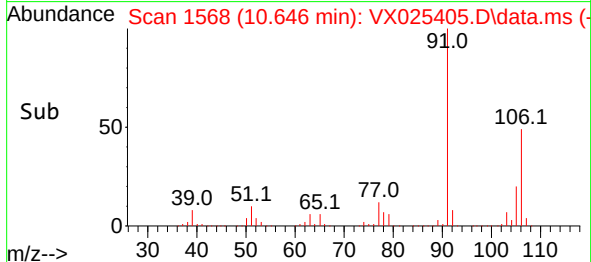
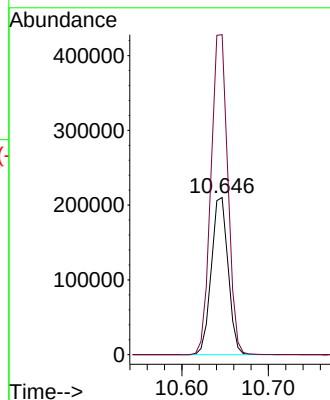
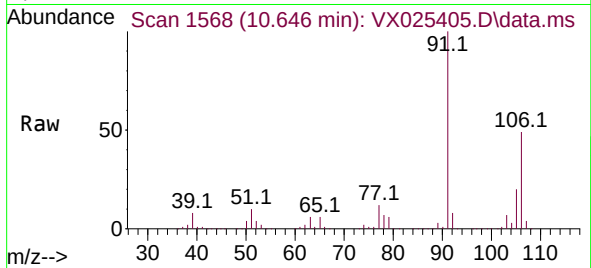




#69
o-Xylene
Concen: 110.524 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

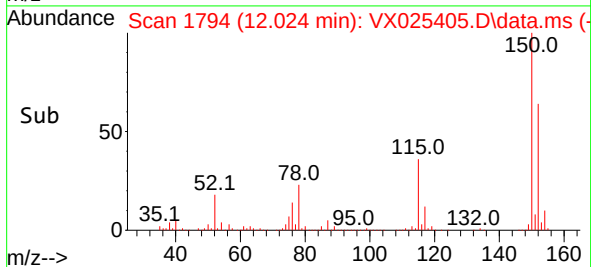
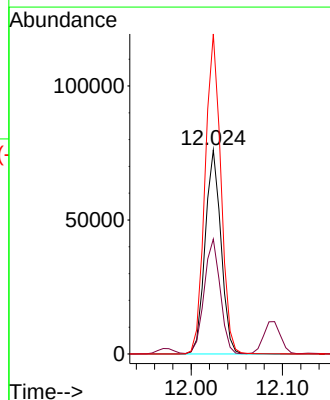
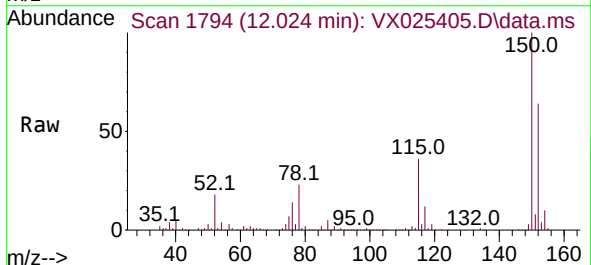
Instrument :
MSVOA_X
ClientSampleId :
30913

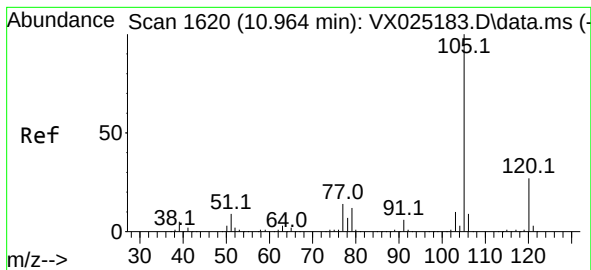
Tgt Ion:106 Resp: 282731
Ion Ratio Lower Upper
106 100
91 205.6 109.5 328.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

Tgt Ion:152 Resp: 91106
Ion Ratio Lower Upper
152 100
115 57.0 43.3 129.8
150 157.0 0.0 351.2





#73

Isopropylbenzene

Concen: 4.346 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. -0.001 min

Lab File: VX025405.D

Acq: 01 Dec 2021 12:02

Instrument :

MSVOA_X

ClientSampleId :

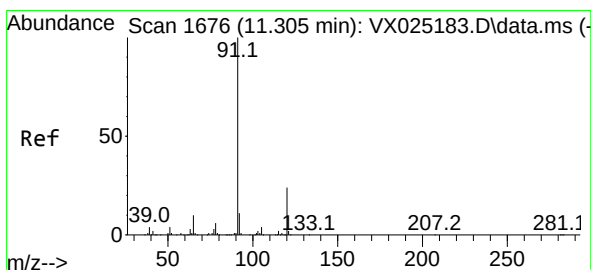
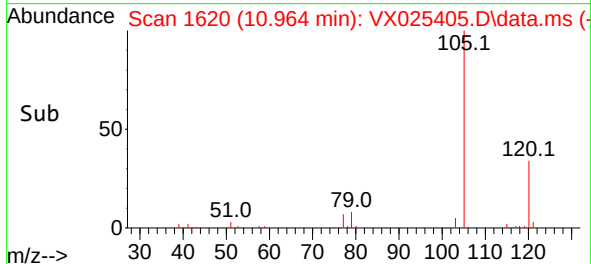
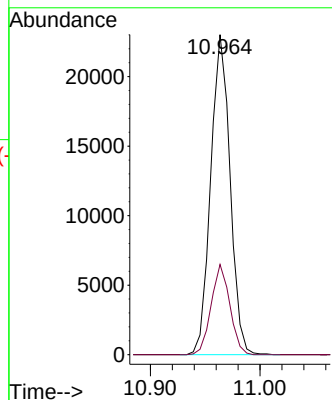
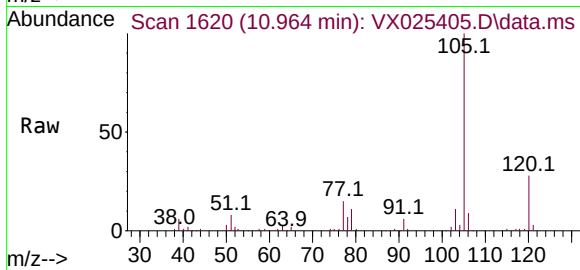
30913

Tgt Ion:105 Resp: 28219

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



#78

n-propylbenzene

Concen: 15.285 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX025405.D

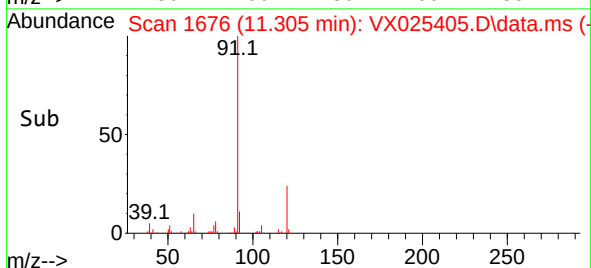
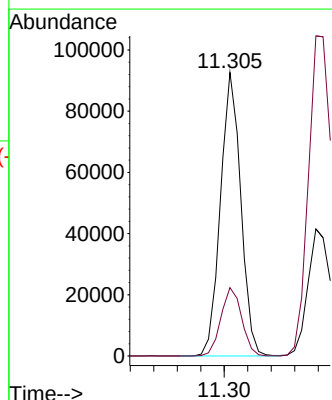
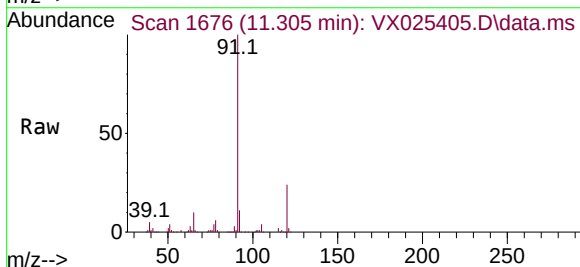
Acq: 01 Dec 2021 12:02

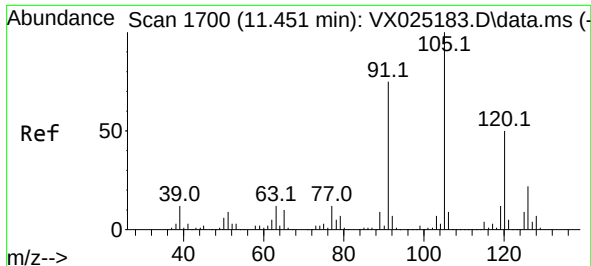
Tgt Ion: 91 Resp: 111402

Ion Ratio Lower Upper

91 100

120 24.6 11.7 35.0

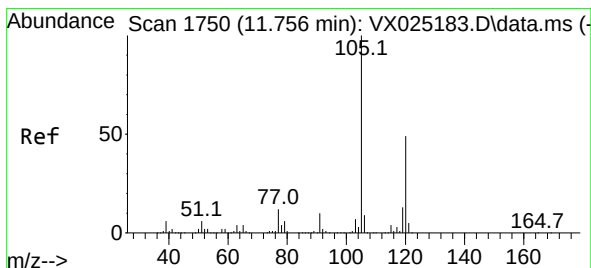
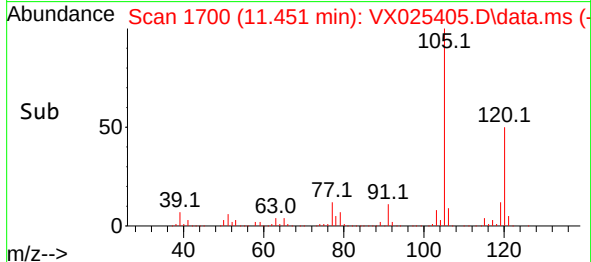
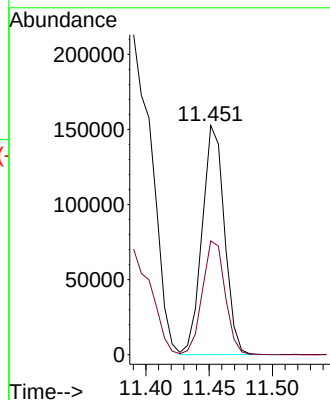
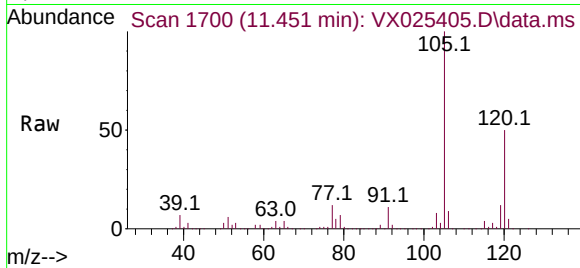




#80
1,3,5-Trimethylbenzene
Concen: 34.354 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

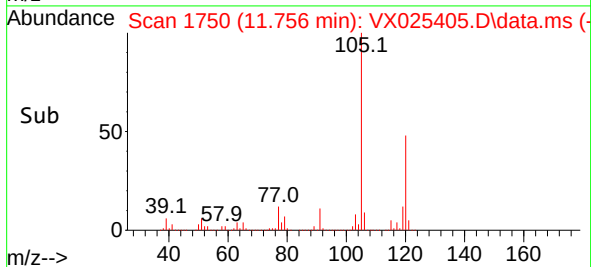
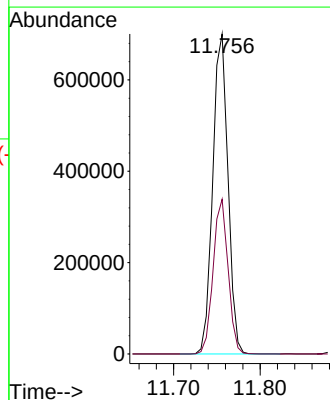
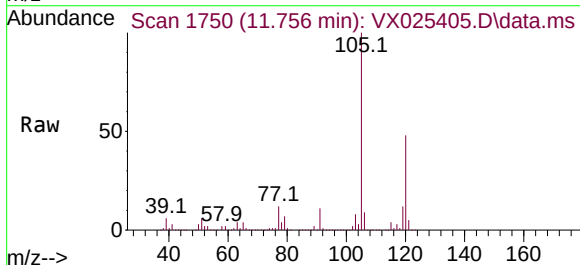
Instrument :
MSVOA_X
ClientSampleId :
30913

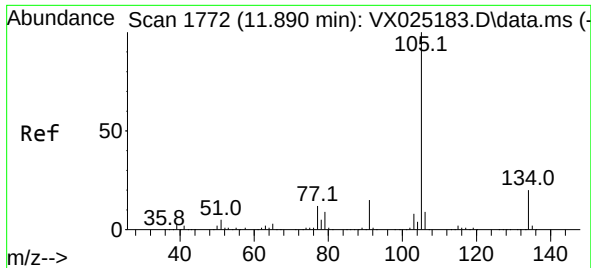
Tgt Ion:105 Resp: 187500
Ion Ratio Lower Upper
105 100
120 50.6 23.8 71.5



#84
1,2,4-Trimethylbenzene
Concen: 158.468 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX025405.D
Acq: 01 Dec 2021 12:02

Tgt Ion:105 Resp: 854824
Ion Ratio Lower Upper
105 100
120 47.5 22.1 66.3

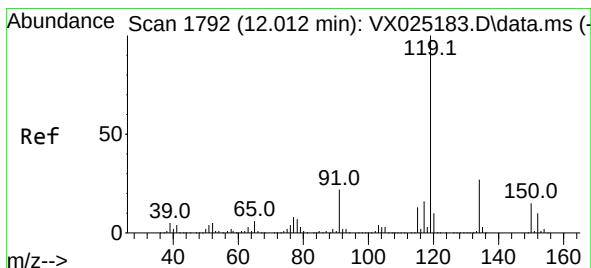
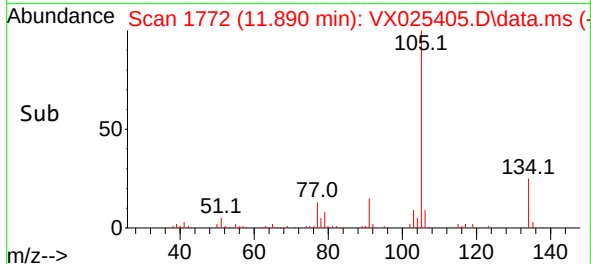
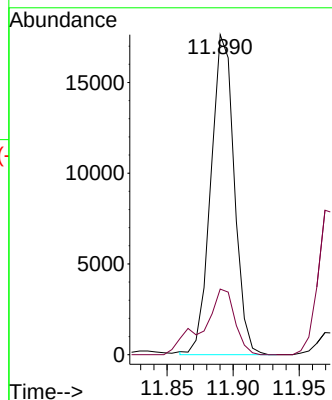
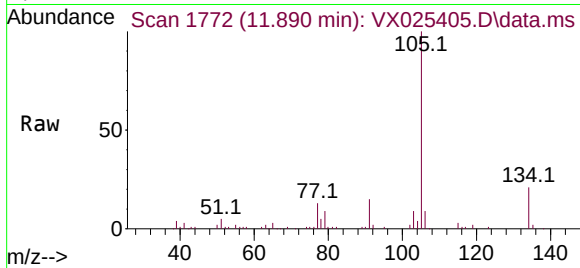




#85
 sec-Butylbenzene
 Concen: 3.220 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX025405.D
 Acq: 01 Dec 2021 12:02

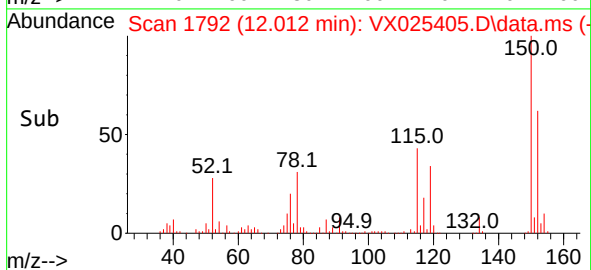
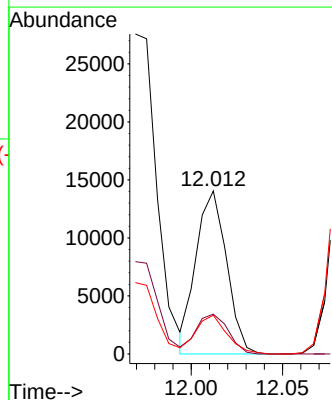
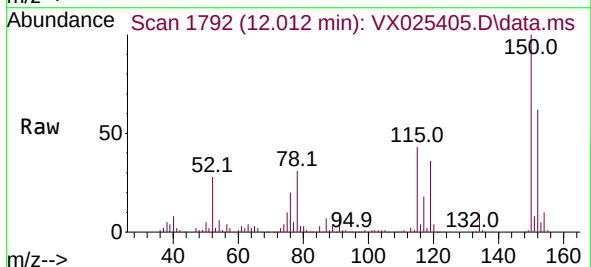
Instrument :
 MSVOA_X
 ClientSampleId :
 30913

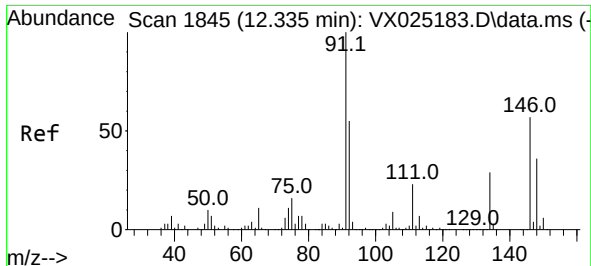
Tgt Ion:105 Resp: 21710
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 2.827 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX025405.D
 Acq: 01 Dec 2021 12:02

Tgt Ion:119 Resp: 16377
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.2 39.5
 91 24.1 12.4 37.0





#89

n-Butylbenzene

Concen: 11.947 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX025405.D

Acq: 01 Dec 2021 12:02

Instrument :

MSVOA_X

ClientSampleId :

30913

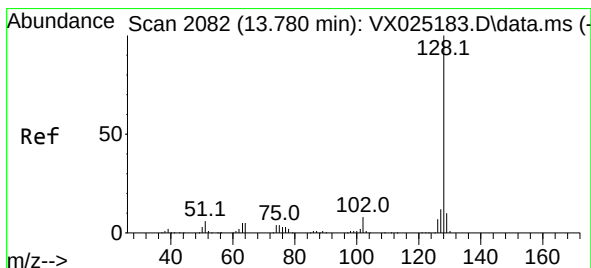
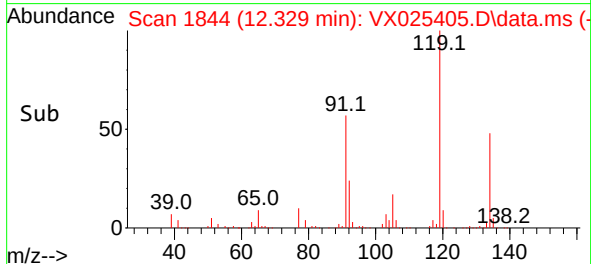
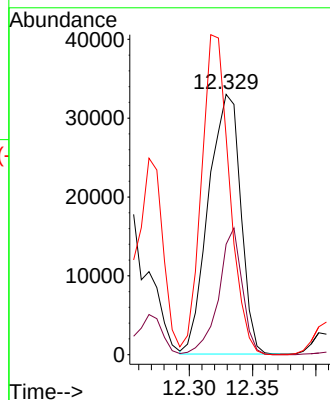
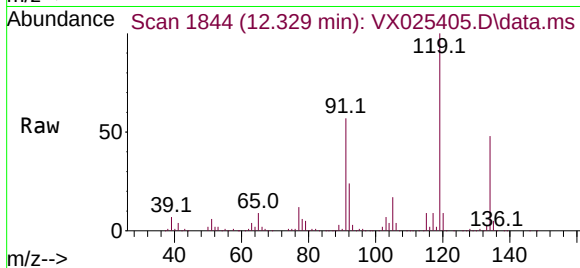
Tgt Ion: 91 Resp: 58340

Ion Ratio Lower Upper

91 100

92 35.6 26.3 78.8

134 106.8 13.0 38.9#



#95

Naphthalene

Concen: 156.522 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX025405.D

Acq: 01 Dec 2021 12:02

Tgt Ion:128 Resp: 957284

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.2 8.8 13.2

