

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110821\
 Data File : VX025097.D
 Acq On : 08 Nov 2021 15:54
 Operator : JC/MD
 Sample : M4464-09ME
 Misc : 6.10g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

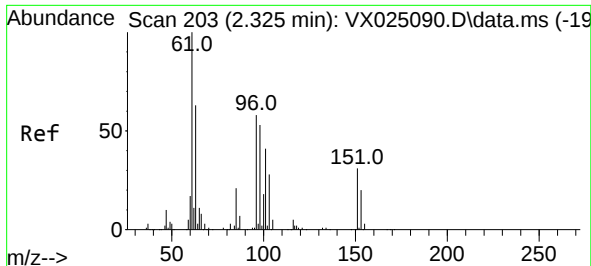
Instrument :
 MSVOA_X
 ClientSampleId :
 GB7K7ME

Quant Time: Nov 09 04:14:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 09 03:59:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	217663	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.061	117	224829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.030	152	69076	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	85552	43.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.940%
7) Chloroethane-d5	1.666	69	33043	26.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	53.560%#
11) 1,1-Dichloroethene-d2	2.288	63	139041	36.676	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.360%
21) 2-Butanone-d5	4.489	46	104119	76.974	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.970%
24) Chloroform-d	5.062	84	179509	46.393	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.780%
26) 1,2-Dichloroethane-d4	5.964	65	120401	47.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.140%
32) Benzene-d6	5.976	84	326437	40.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.560%
36) 1,2-Dichloropropane-d6	7.312	67	84726	35.919	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	71.840%
41) Toluene-d8	8.653	98	252567	37.533	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.060%#
43) trans-1,3-Dichloroprop...	8.958	79	52238	41.493	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.980%
47) 2-Hexanone-d5	9.409	63	88342	87.678	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.680%
56) 1,1,2,2-Tetrachloroeth...	11.201	84	110244	33.764	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	67.520%
66) 1,2-Dichlorobenzene-d4	12.329	152	62257	45.982	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.960%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.306	96	4609	2.966	ug/L	# 1
13) Acetone	2.422	43	48732	36.614	ug/L	86
19) 1,1-Dichloroethane	3.605	63	22315	6.775	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	253891	138.978	ug/L	81
30) 1,1,1-Trichloroethane	5.385	97	88930	21.834	ug/L	# 93
40) 4-Methyl-2-pentanone	8.598	43	7628	2.492	ug/L	# 57
42) Toluene	8.720	91	842389	104.595	ug/L	99
46) Tetrachloroethene	9.275	164	1897	1.590	ug/L	80
52) Ethylbenzene	10.201	91	7439	0.859	ug/L	88
53) m,p-Xylene	10.305	106	9255	2.938	ug/L	89
63) 1,2,4-Trimethylbenzene	11.756	105	16572	3.543	ug/L	97

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



#12

1,1-Dichloroethene

Concen: 2.966 ug/L

RT: 2.306 min Scan# 20

Delta R.T. -0.018 min

Lab File: VX025097.D

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Instrument :

MSVOA_X

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GB7K7ME

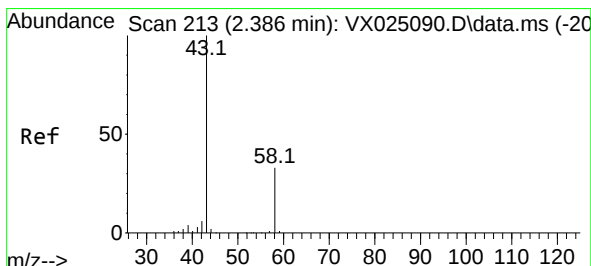
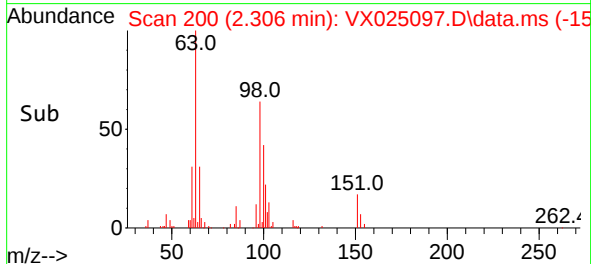
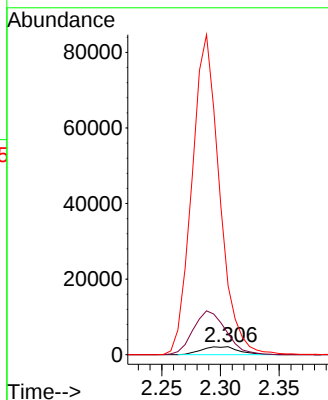
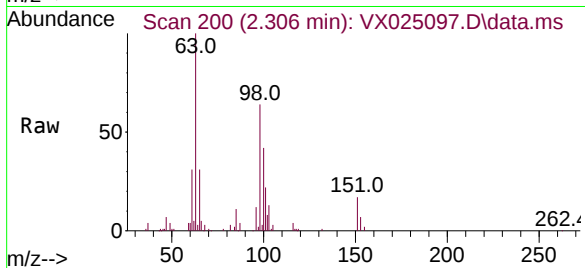
Tgt Ion: 96 Resp: 4609

Ion Ratio Lower Upper

96 100

61 265.0 109.9 204.1#

63 864.6 92.4 171.6#



#13

Acetone

Concen: 36.614 ug/L

RT: 2.422 min Scan# 219

Delta R.T. 0.036 min

Lab File: VX025097.D

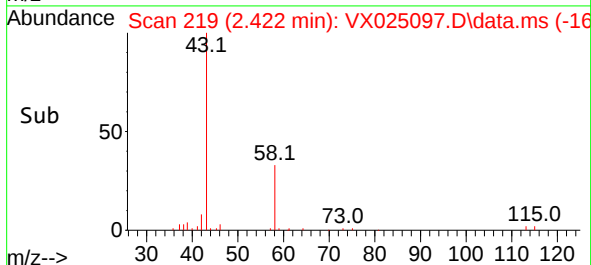
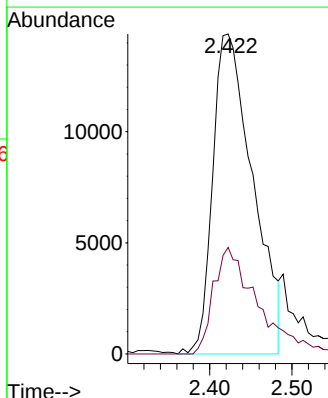
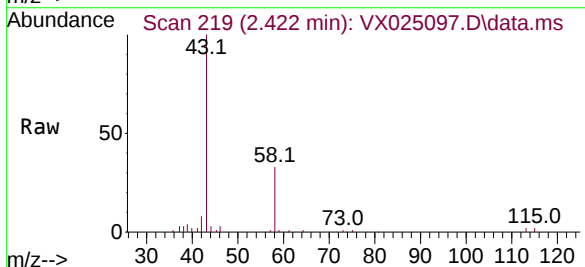
Acq: 08 Nov 2021 15:54

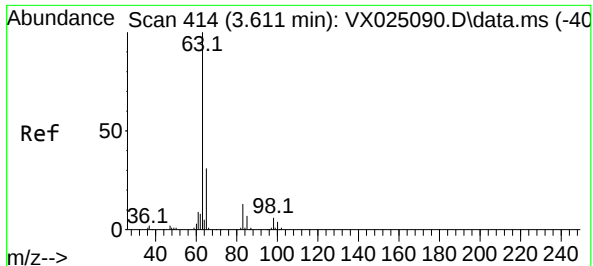
Tgt Ion: 43 Resp: 48732

Ion Ratio Lower Upper

43 100

58 24.4 0.0 64.8





#19

1,1-Dichloroethane

Concen: 6.775 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX025097.D

Acq: 08 Nov 2021 15:54

Instrument :

MSVOA_X

ClientSampleId :

GB7K7ME

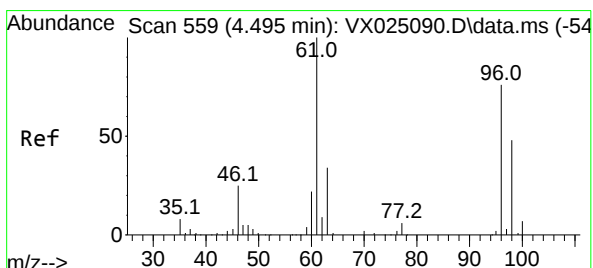
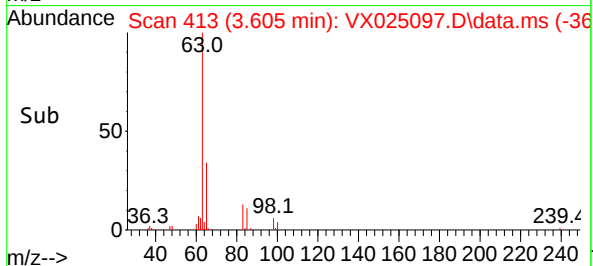
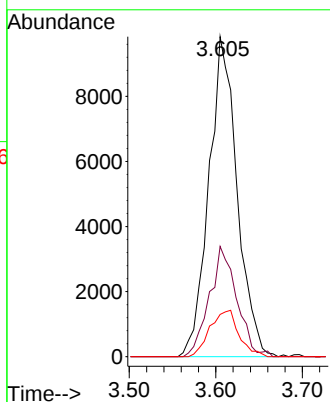
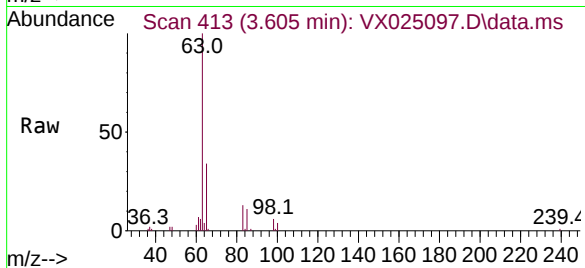
Tgt Ion: 63 Resp: 22315

Ion Ratio Lower Upper

63 100

65 34.4 24.5 45.5

83 13.2 11.7 21.7



#20

cis-1,2-Dichloroethene

Concen: 138.978 ug/L

RT: 4.489 min Scan# 558

Delta R.T. -0.006 min

Lab File: VX025097.D

Acq: 08 Nov 2021 15:54

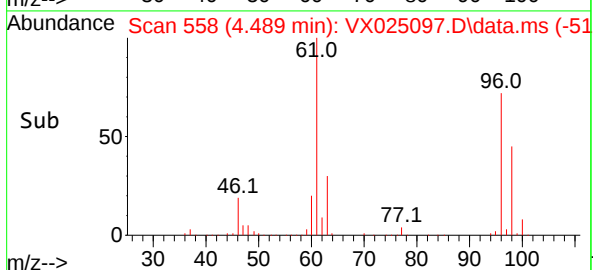
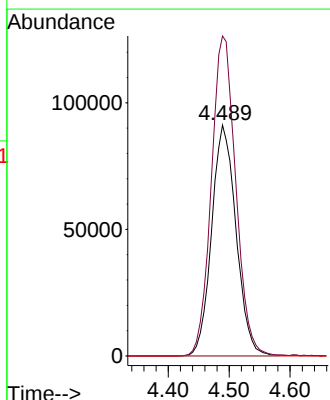
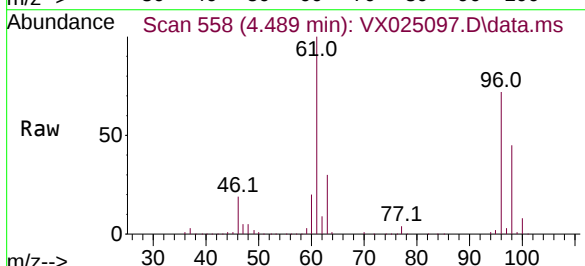
Tgt Ion: 96 Resp: 253891

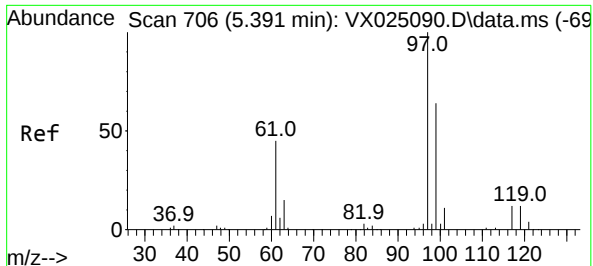
Ion Ratio Lower Upper

96 100

61 138.6 82.6 153.4

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 21.834 ug/L

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX025097.D

Acq: 08 Nov 2021 15:54

Instrument :

MSVOA_X

ClientSampleId :

GB7K7ME

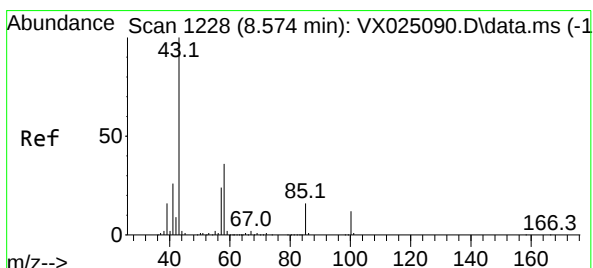
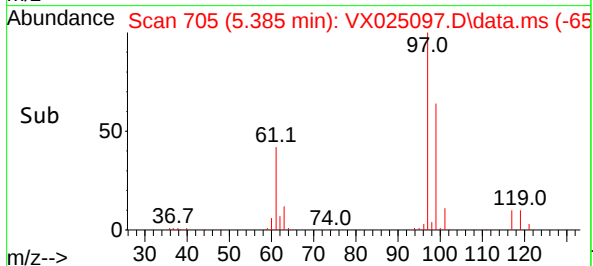
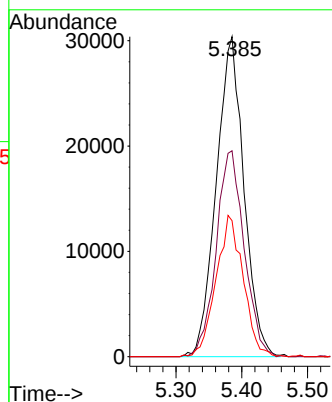
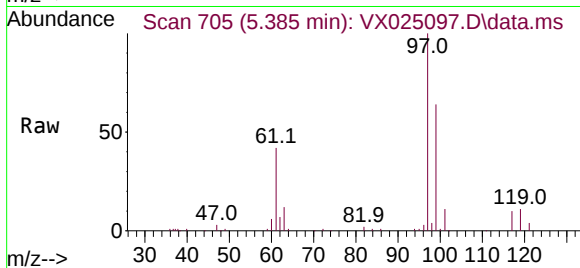
Tgt Ion: 97 Resp: 88930

Ion Ratio Lower Upper

97 100

99 65.2 53.1 79.7

61 43.2 26.3 39.5#



#40

4-Methyl-2-pentanone

Concen: 2.492 ug/L

RT: 8.598 min Scan# 1232

Delta R.T. 0.024 min

Lab File: VX025097.D

Acq: 08 Nov 2021 15:54

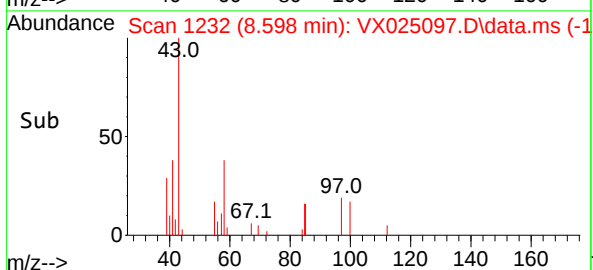
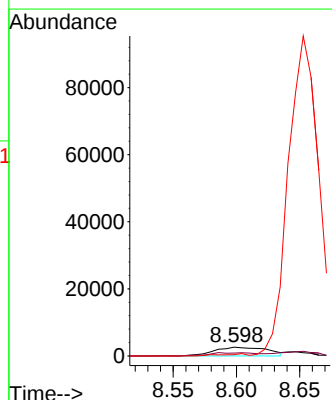
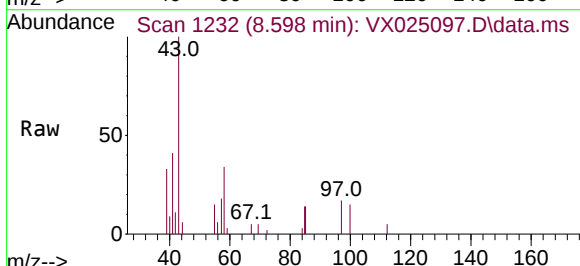
Tgt Ion: 43 Resp: 7628

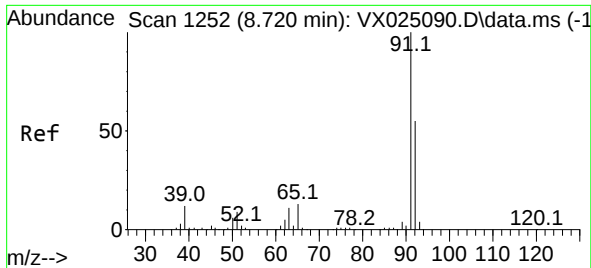
Ion Ratio Lower Upper

43 100

58 19.2 41.3 61.9#

100 6.3 19.6 29.4#





#42

Toluene

Concen: 104.595 ug/L

RT: 8.720 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025097.D

Acq: 08 Nov 2021 15:54

Instrument :

MSVOA_X

ClientSampleId :

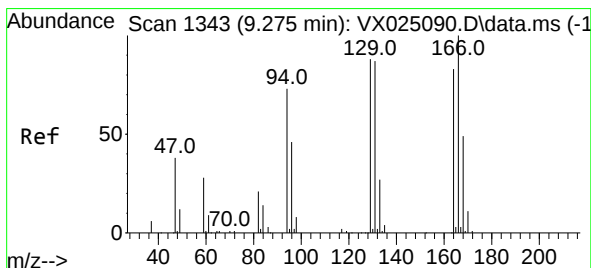
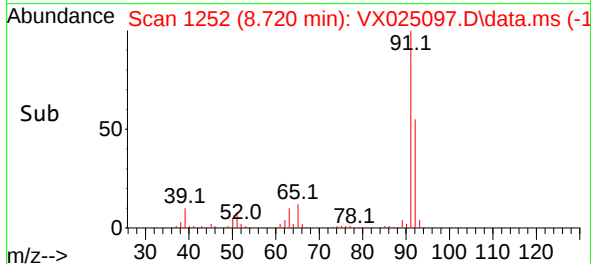
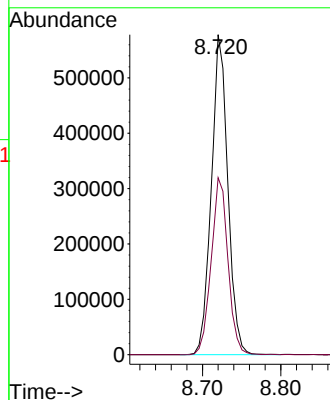
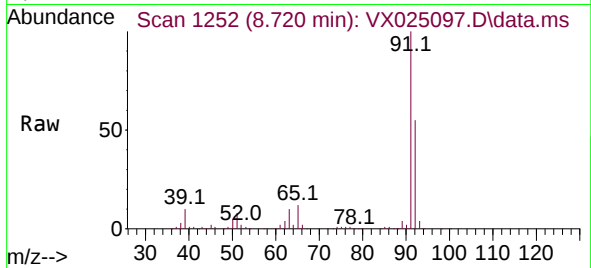
GB7K7ME

Tgt Ion: 91 Resp: 842389

Ion Ratio Lower Upper

91 100

92 55.3 39.3 72.9



#46

Tetrachloroethene

Concen: 1.590 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX025097.D

Acq: 08 Nov 2021 15:54

Tgt Ion:164 Resp: 1897

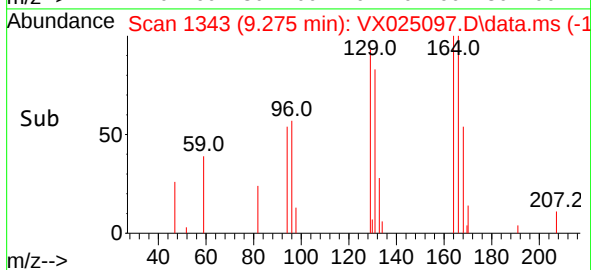
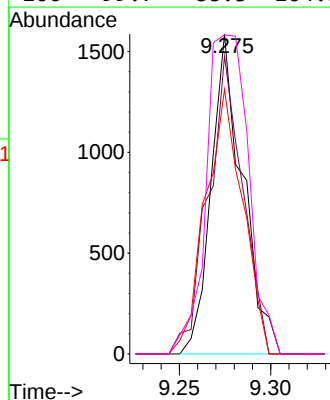
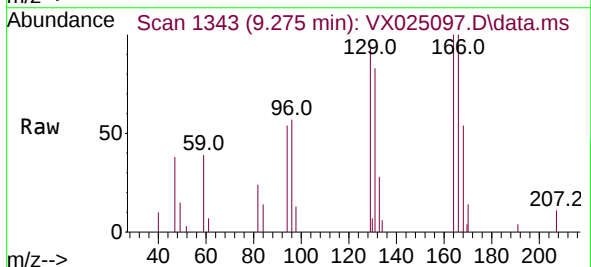
Ion Ratio Lower Upper

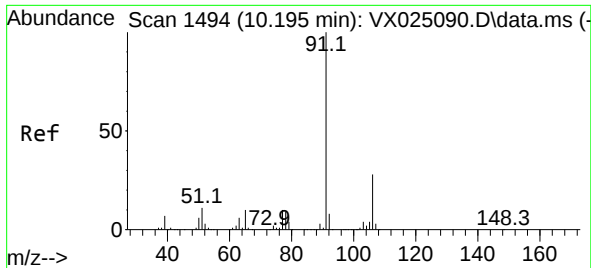
164 100

129 93.1 78.5 145.7

131 82.7 70.5 130.9

166 99.7 88.3 164.1

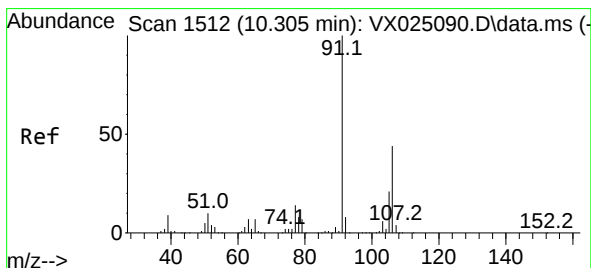
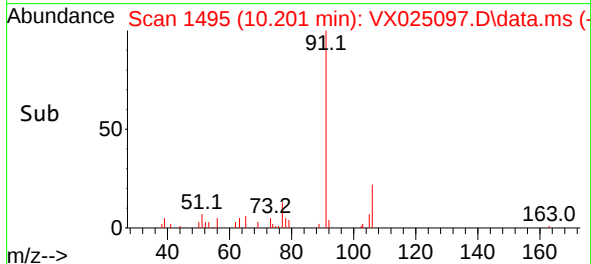
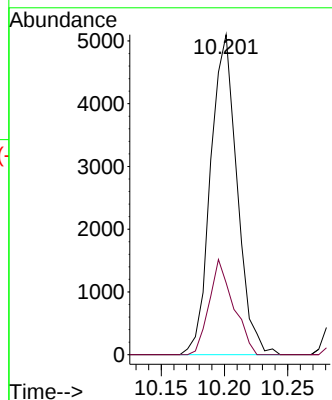
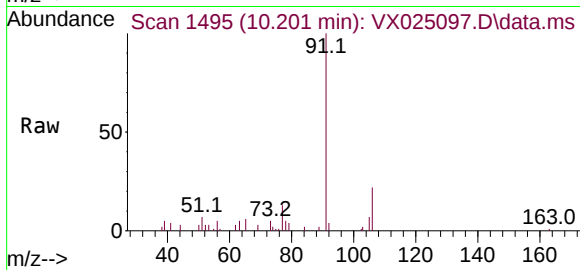




#52
Ethylbenzene
Concen: 0.859 ug/L
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX025097.D
Acq: 08 Nov 2021 15:54

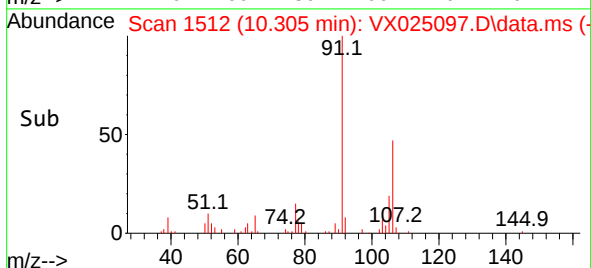
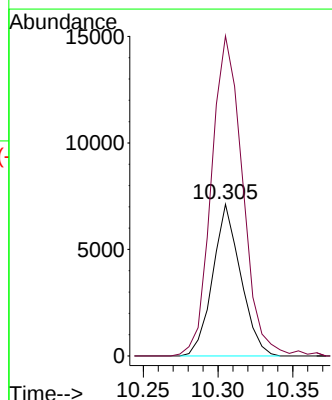
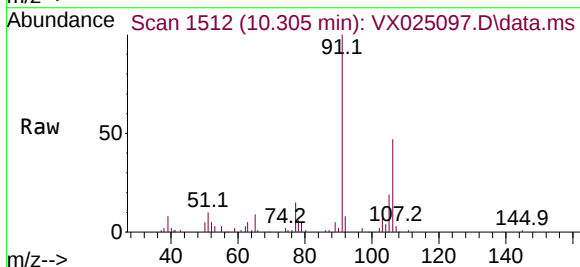
Instrument :
MSVOA_X
ClientSampleId :
GB7K7ME

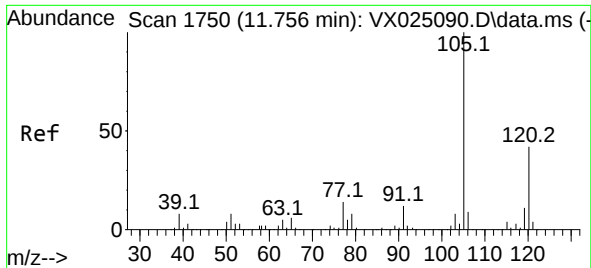
Tgt Ion: 91 Resp: 7439
Ion Ratio Lower Upper
91 100
106 22.5 20.2 37.6



#53
m,p-Xylene
Concen: 2.938 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025097.D
Acq: 08 Nov 2021 15:54

Tgt Ion:106 Resp: 9255
Ion Ratio Lower Upper
106 100
91 211.0 160.2 297.6





#63
 1,2,4-Trimethylbenzene
 Concen: 3.543 ug/L
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025097.D
 Acq: 08 Nov 2021 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 GB7K7ME

Tgt Ion:105 Resp: 16572
 Ion Ratio Lower Upper
 105 100
 120 40.8 31.0 46.6

