

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046232.D
 Acq On : 09 Dec 2021 19:57
 Operator : SY/MD
 Sample : M4983-20
 Misc : 5.7mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q5

Quant Time: Dec 10 03:46:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

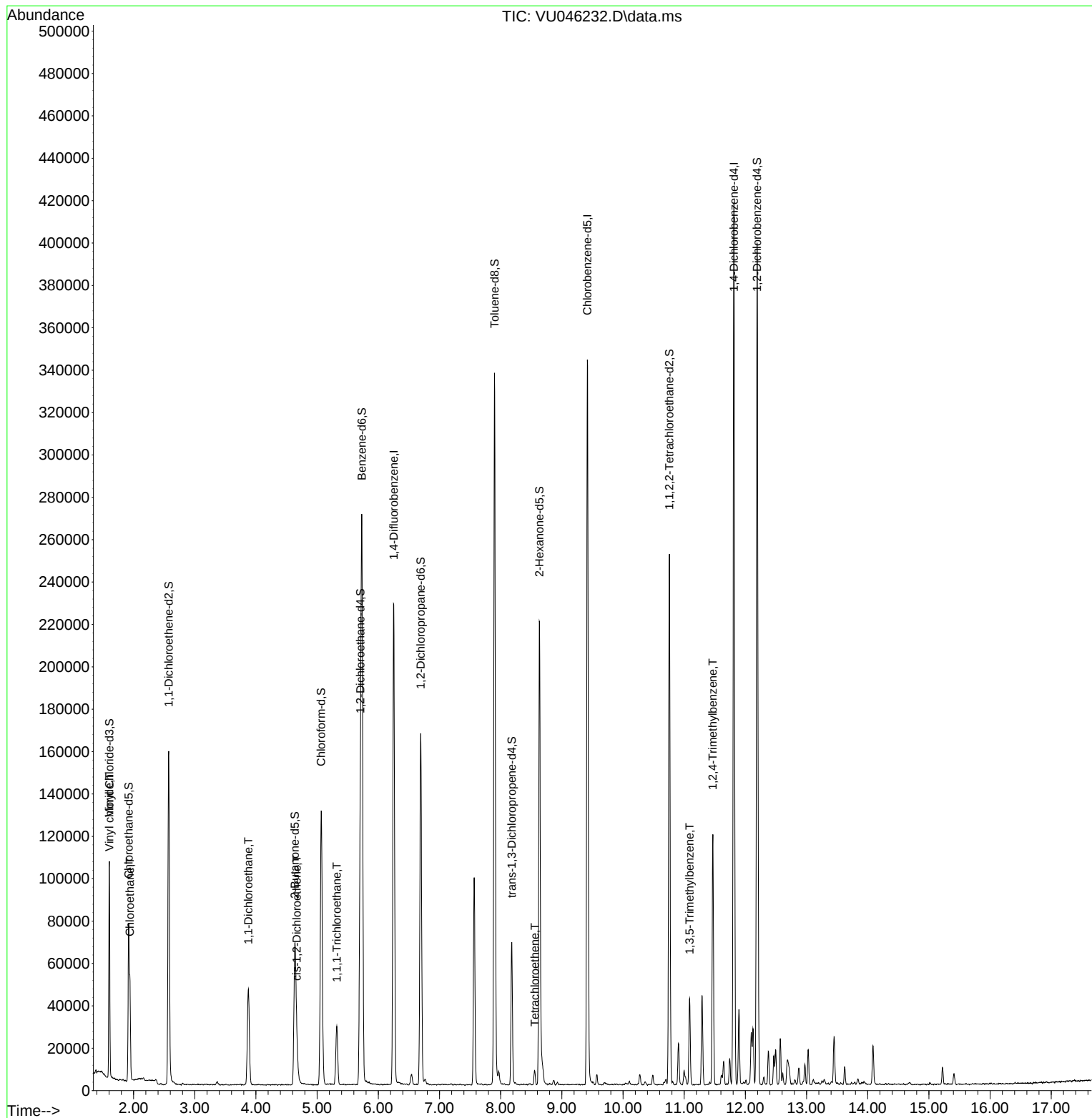
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	189421	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	196223	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	109063	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	71482	45.811	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.620%
7) Chloroethane-d5	1.919	69	52940	44.189	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.380%
11) 1,1-Dichloroethene-d2	2.575	63	94375	33.692	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.380%
21) 2-Butanone-d5	4.636	46	116468	93.895	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.900%
24) Chloroform-d	5.067	84	122306	46.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.880%
26) 1,2-Dichloroethane-d4	5.707	65	82606	47.238	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.480%
32) Benzene-d6	5.732	84	255746	45.473	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.940%
36) 1,2-Dichloropropane-d6	6.694	67	80352	46.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.200%
41) Toluene-d8	7.899	98	227368	44.402	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.182	79	39642	47.114	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.220%
47) 2-Hexanone-d5	8.633	63	78693	95.221	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.220%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	124538	47.114	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.220%
66) 1,2-Dichlorobenzene-d4	12.192	152	95626	45.528	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.060%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	989	0.532	ug/L	# 1
8) Chloroethane	1.941	64	29876	27.762	ug/L	100
19) 1,1-Dichloroethane	3.877	63	52125	20.683	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	1823	1.212	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	20623	8.562	ug/L	99
46) Tetrachloroethene	8.559	164	1569	1.365	ug/L	89
62) 1,3,5-Trimethylbenzene	11.089	105	23128	3.910	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	66800	11.288	ug/L	99

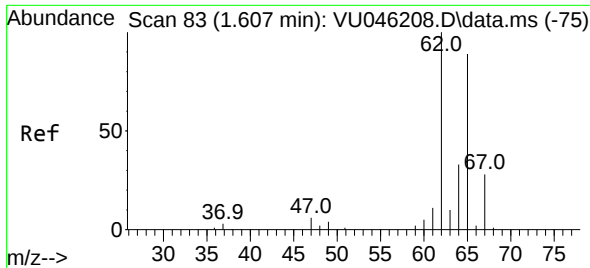
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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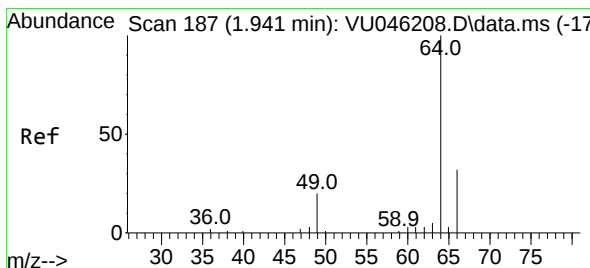
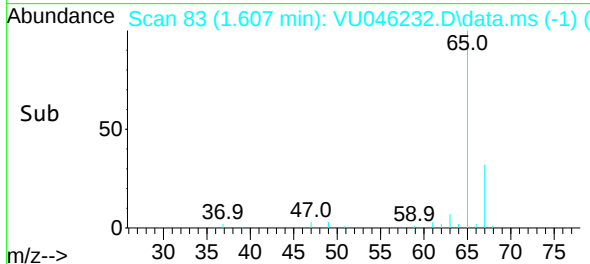
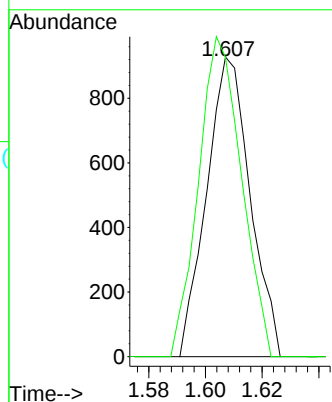
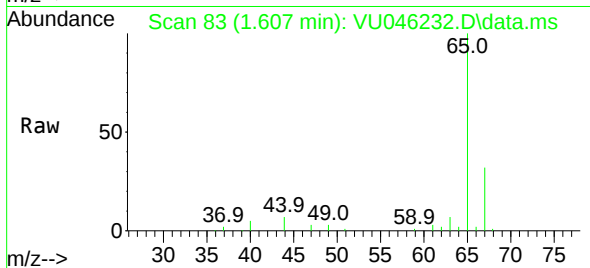




#5
 Vinyl chloride
 Concen: 0.532 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU046232.D
 Acq: 09 Dec 2021 19:57

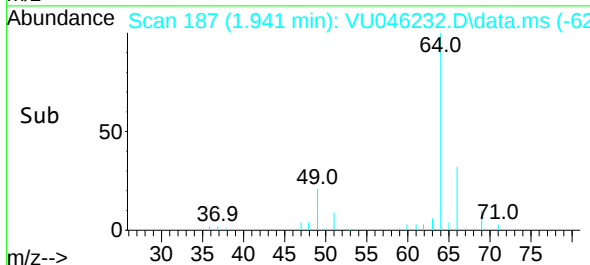
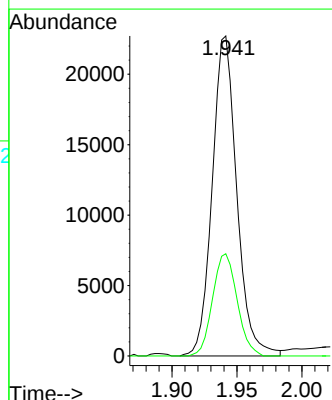
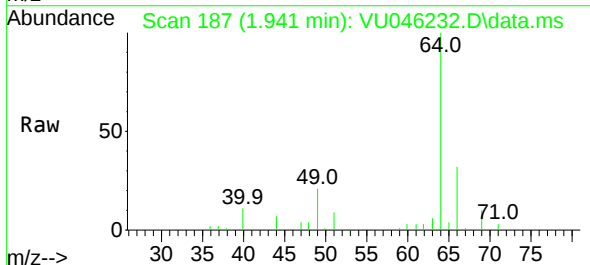
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Q5

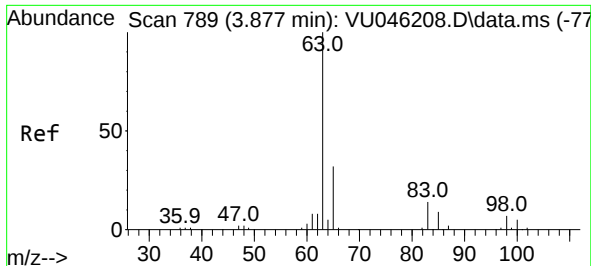
Tgt Ion: 62 Resp: 989
 Ion Ratio Lower Upper
 62 100
 64 99.9 22.9 42.5#



#8
 Chloroethane
 Concen: 27.762 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU046232.D
 Acq: 09 Dec 2021 19:57

Tgt Ion: 64 Resp: 29876
 Ion Ratio Lower Upper
 64 100
 66 32.0 22.5 41.9





#19

1,1-Dichloroethane

Concen: 20.683 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU046232.D

Acq: 09 Dec 2021 19:57

Instrument :

MSVOA_U

ClientSampleId :

EW5Q5

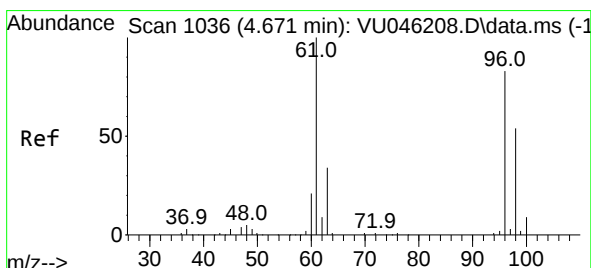
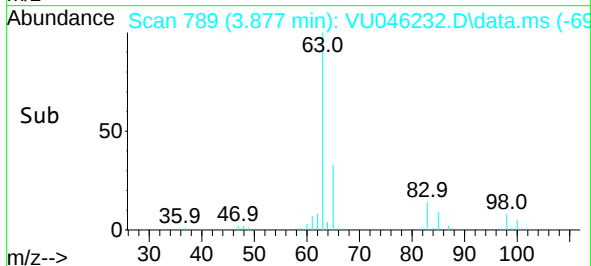
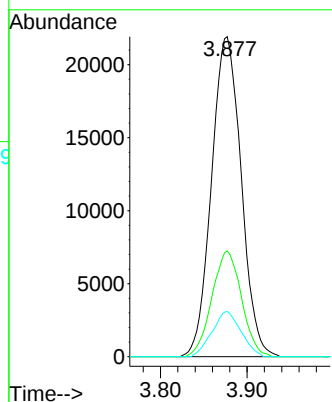
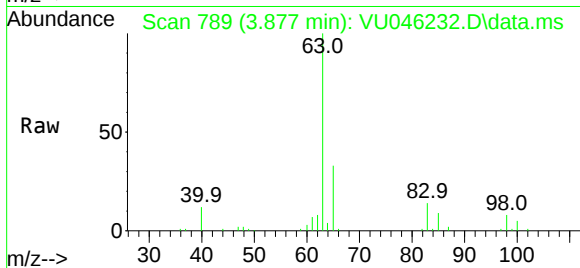
Tgt Ion: 63 Resp: 52125

Ion Ratio Lower Upper

63 100

65 33.1 22.8 42.4

83 14.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 1.212 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU046232.D

Acq: 09 Dec 2021 19:57

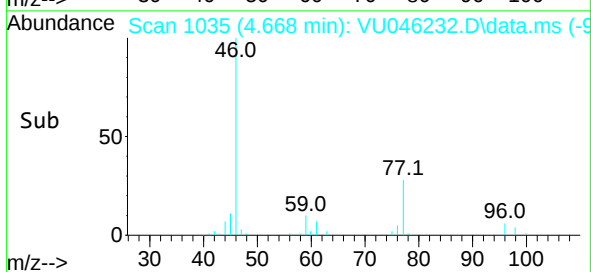
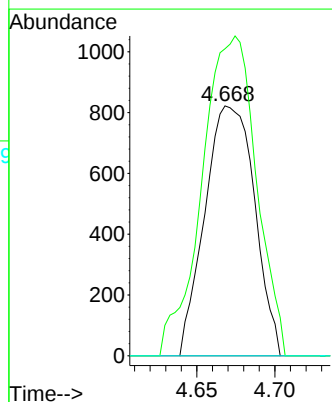
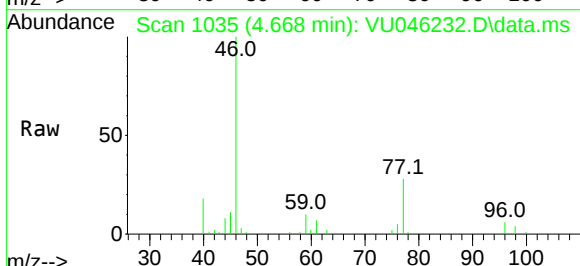
Tgt Ion: 96 Resp: 1823

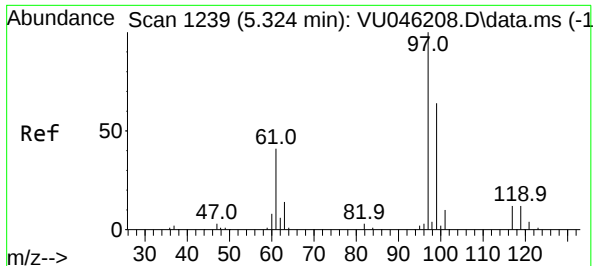
Ion Ratio Lower Upper

96 100

61 122.9 86.8 161.2

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 8.562 ug/L

RT: 5.321 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU046232.D

Acq: 09 Dec 2021 19:57

Instrument :

MSVOA_U

ClientSampleId :

EW5Q5

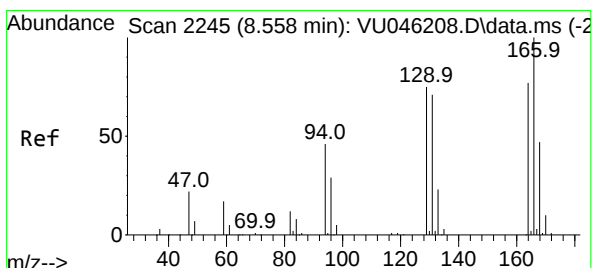
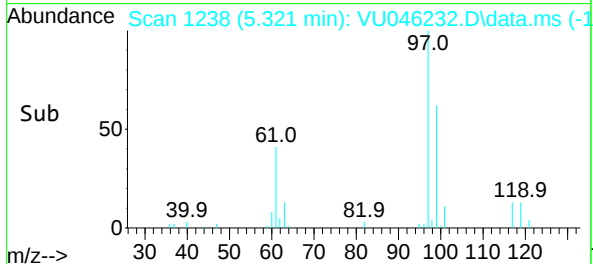
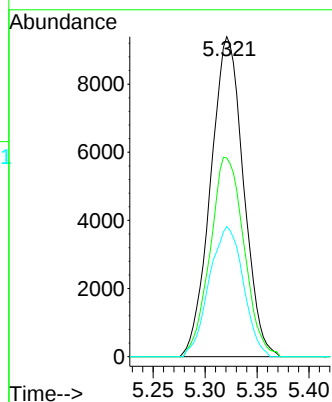
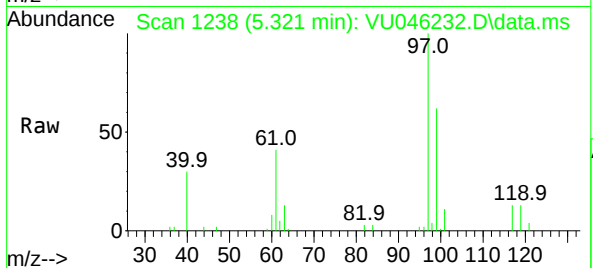
Tgt Ion: 97 Resp: 20623

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.6

61 42.1 34.4 51.6



#46

Tetrachloroethene

Concen: 1.365 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. 0.003 min

Lab File: VU046232.D

Acq: 09 Dec 2021 19:57

Tgt Ion: 164 Resp: 1569

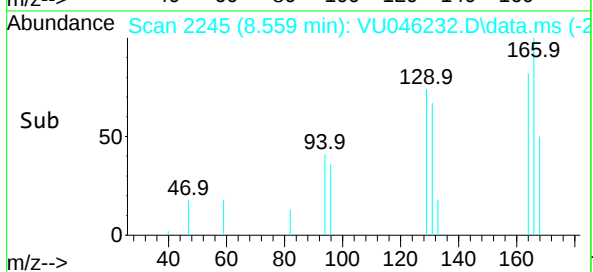
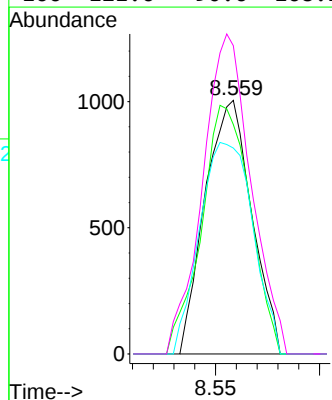
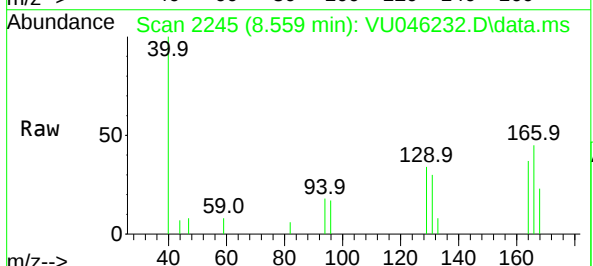
Ion Ratio Lower Upper

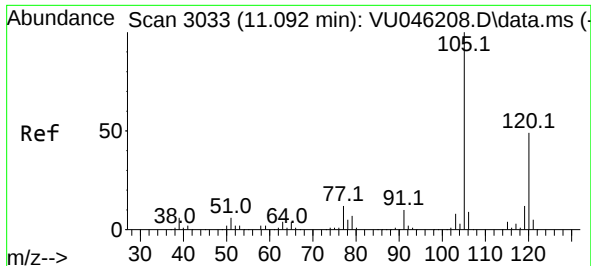
164 100

129 90.4 71.1 132.1

131 81.2 67.8 126.0

166 121.6 90.6 168.2





#62

1,3,5-Trimethylbenzene

Concen: 3.910 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046232.D

Acq: 09 Dec 2021 19:57

Instrument :

MSVOA_U

ClientSampleId :

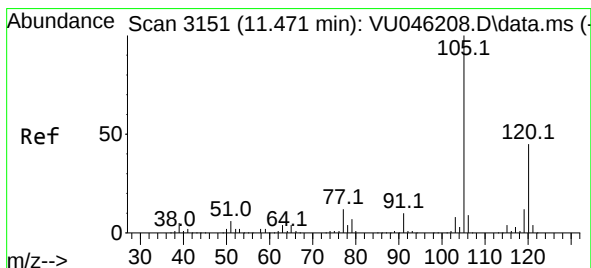
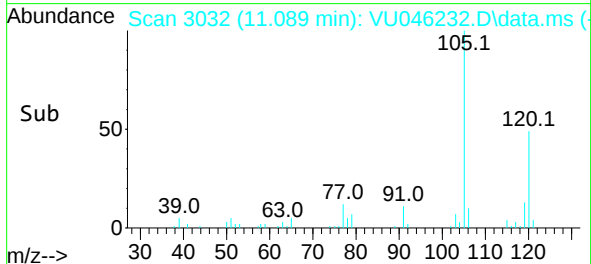
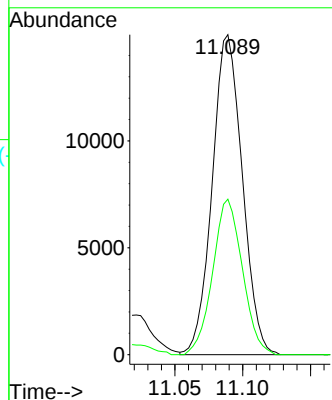
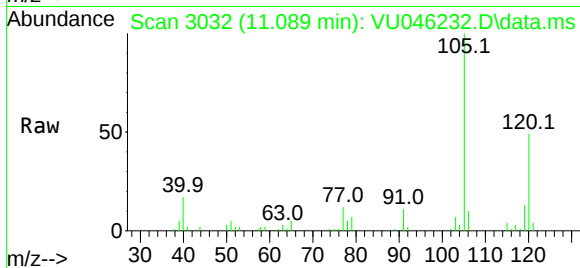
EW5Q5

Tgt Ion:105 Resp: 23128

Ion Ratio Lower Upper

105 100

120 47.9 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 11.288 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046232.D

Acq: 09 Dec 2021 19:57

Tgt Ion:105 Resp: 66800

Ion Ratio Lower Upper

105 100

120 44.6 35.2 52.8

