

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046325.D
 Acq On : 13 Dec 2021 18:58
 Operator : SY/MD
 Sample : M4983-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5S2

Quant Time: Dec 14 03:53:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

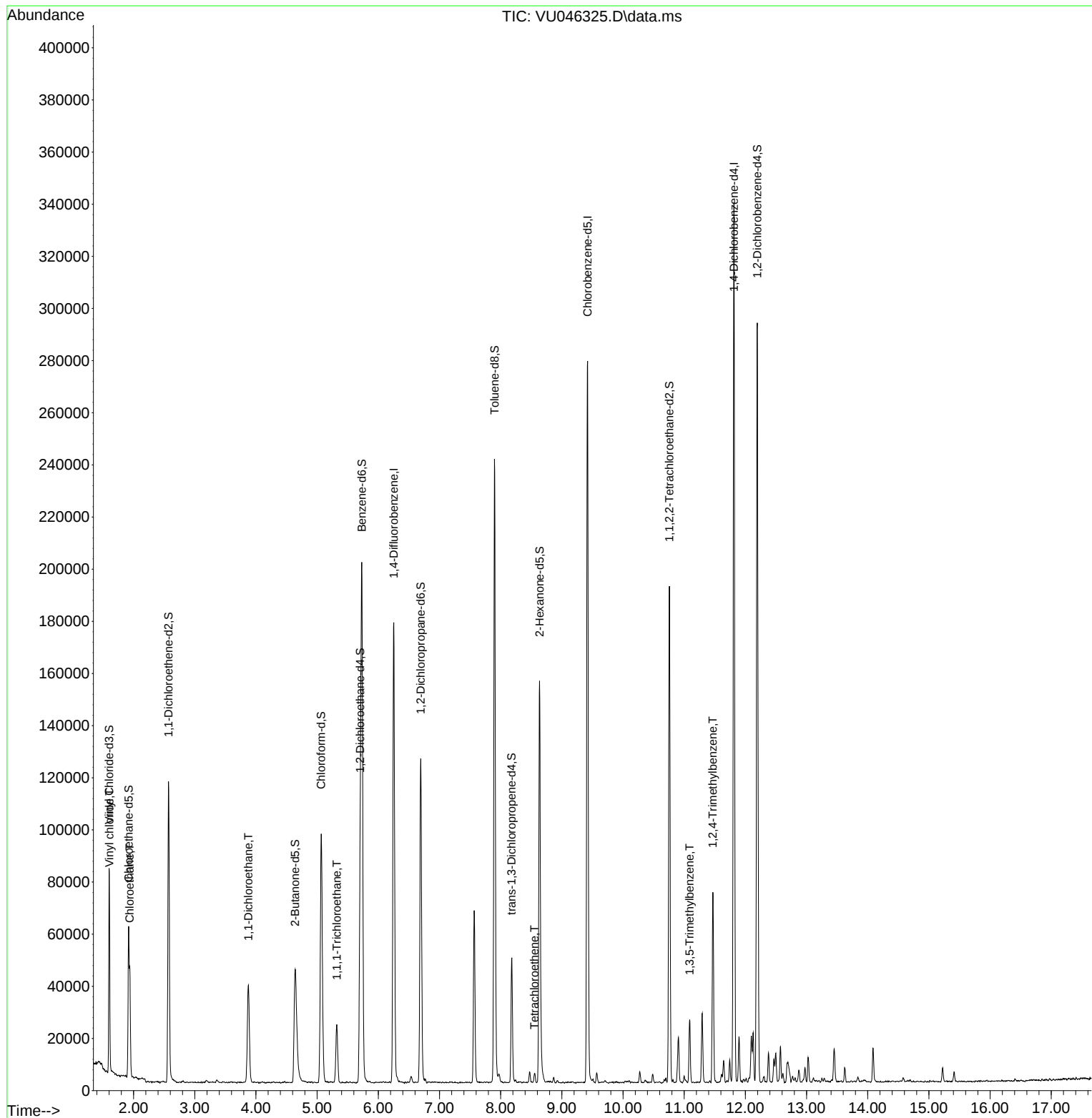
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	144950	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	154174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83457	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	53933	45.169	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.340%
7) Chloroethane-d5	1.919	69	41005	44.728	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.460%
11) 1,1-Dichloroethene-d2	2.572	63	70193	32.747	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.500%
21) 2-Butanone-d5	4.639	46	82624	87.047	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.050%
24) Chloroform-d	5.067	84	88794	44.532	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.060%
26) 1,2-Dichloroethane-d4	5.703	65	63979	47.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.620%
32) Benzene-d6	5.732	84	184745	41.808	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.620%
36) 1,2-Dichloropropane-d6	6.694	67	59493	43.442	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.880%
41) Toluene-d8	7.899	98	157669	39.188	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.380%#
43) trans-1,3-Dichloroprop...	8.179	79	27663	41.844	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.680%
47) 2-Hexanone-d5	8.636	63	55064	84.802	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.800%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	92788	44.676	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.360%
66) 1,2-Dichlorobenzene-d4	12.195	152	68104	42.373	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.740%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	909	0.639	ug/L	# 6
8) Chloroethane	1.938	64	24317	29.529	ug/L	99
19) 1,1-Dichloroethane	3.877	63	43232	22.418	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	15543	8.213	ug/L	96
46) Tetrachloroethene	8.552	164	997	1.104	ug/L	80
62) 1,3,5-Trimethylbenzene	11.089	105	13361	2.952	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	40773	9.004	ug/L	100

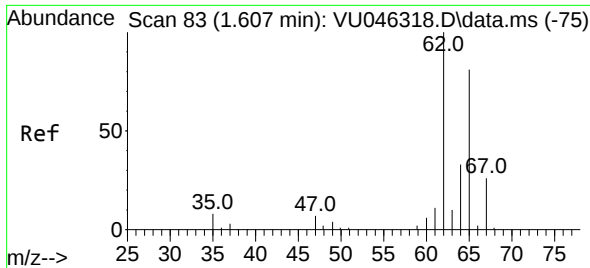
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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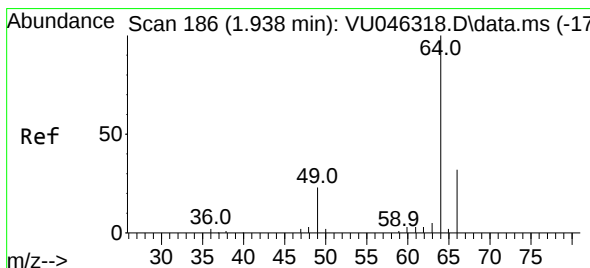
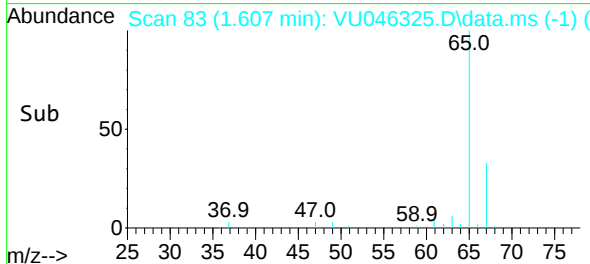
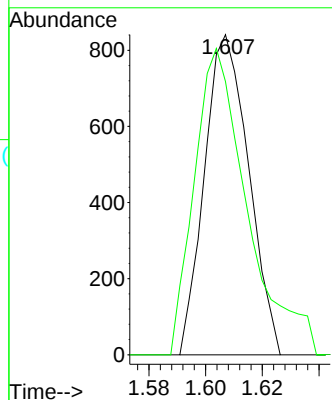
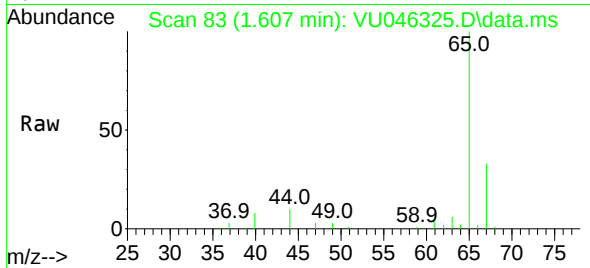




#5
 Vinyl chloride
 Concen: 0.639 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046325.D
 Acq: 13 Dec 2021 18:58

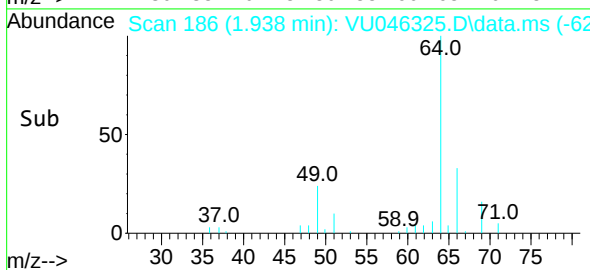
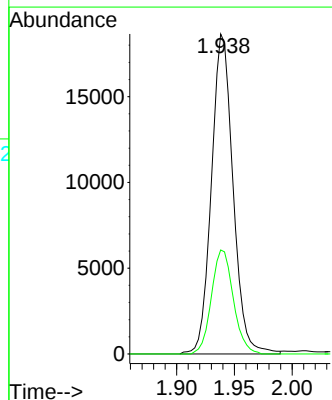
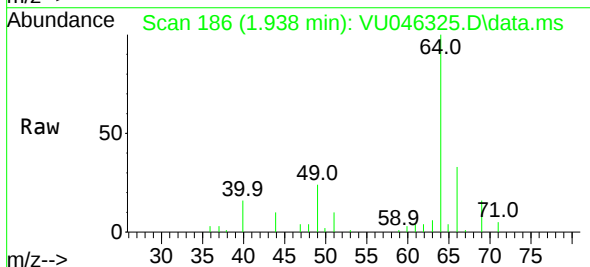
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5S2

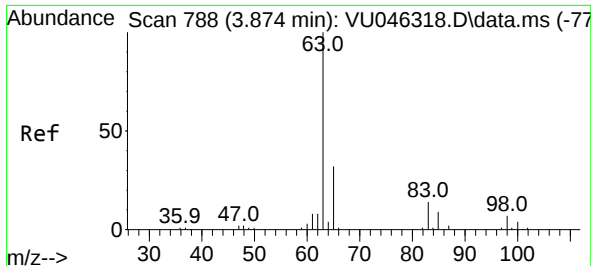
Tgt Ion: 62 Resp: 909
 Ion Ratio Lower Upper
 62 100
 64 85.4 22.9 42.5#



#8
 Chloroethane
 Concen: 29.529 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. -0.000 min
 Lab File: VU046325.D
 Acq: 13 Dec 2021 18:58

Tgt Ion: 64 Resp: 24317
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.5 41.9





#19

1,1-Dichloroethane

Concen: 22.418 ug/L

RT: 3.877 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU046325.D

Acq: 13 Dec 2021 18:58

Instrument :

MSVOA_U

ClientSampleId :

EW5S2

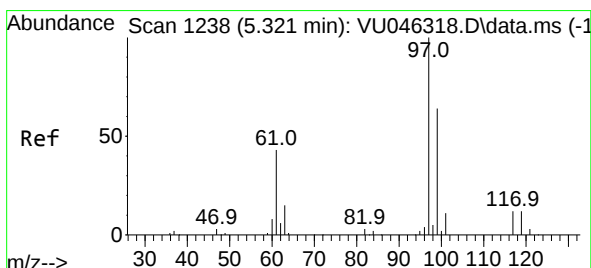
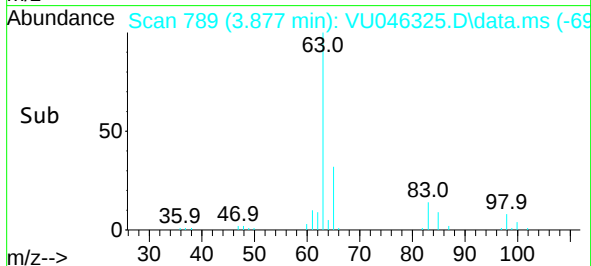
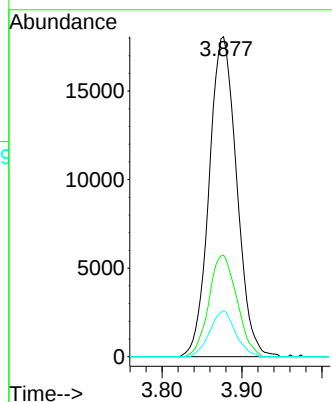
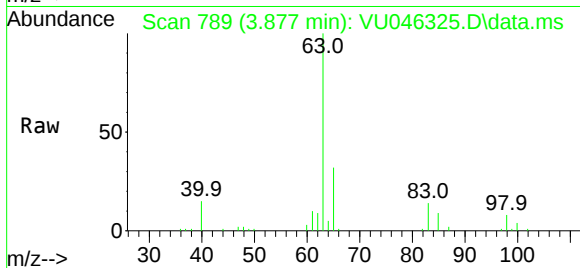
Tgt Ion: 63 Resp: 43232

Ion Ratio Lower Upper

63 100

65 31.8 22.8 42.4

83 14.3 9.6 17.8



#30

1,1,1-Trichloroethane

Concen: 8.213 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046325.D

Acq: 13 Dec 2021 18:58

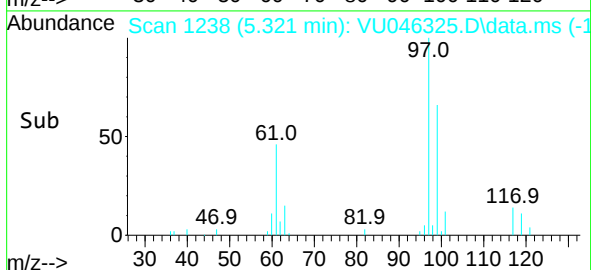
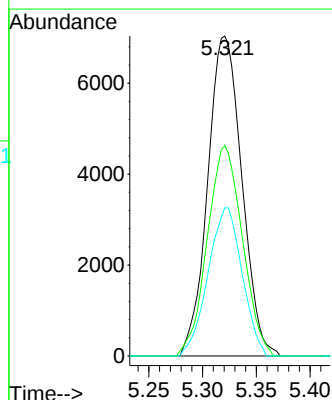
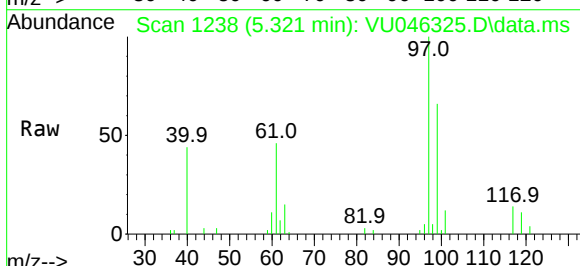
Tgt Ion: 97 Resp: 15543

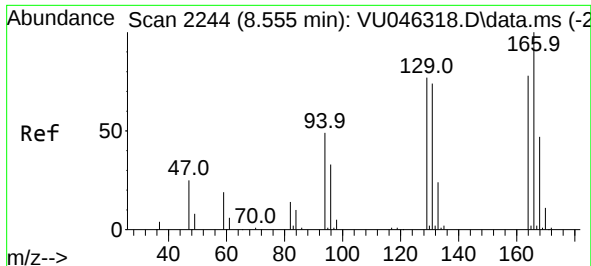
Ion Ratio Lower Upper

97 100

99 67.6 51.8 77.6

61 46.1 34.4 51.6

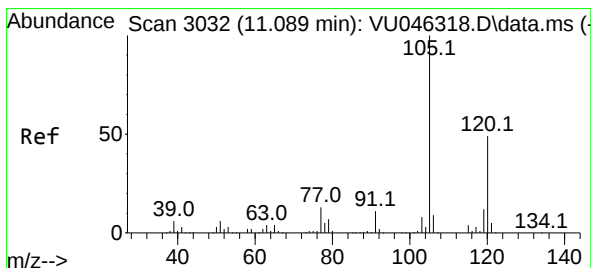
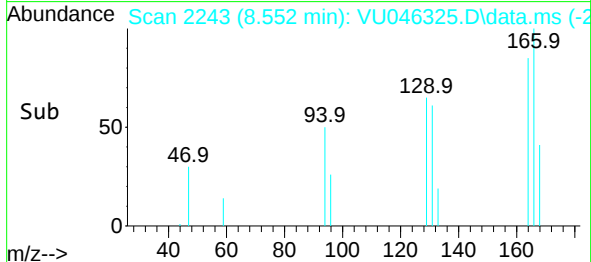
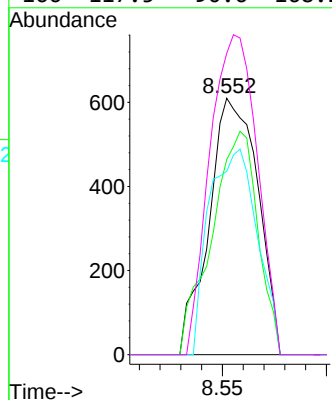
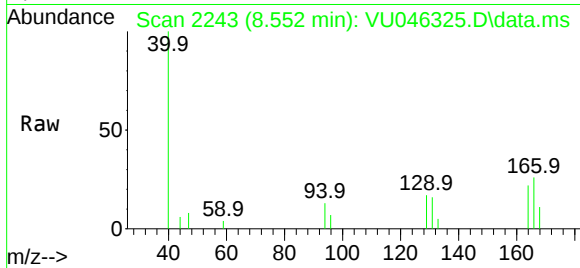




#46
Tetrachloroethene
Concen: 1.104 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

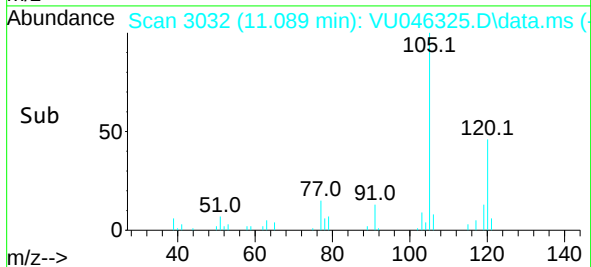
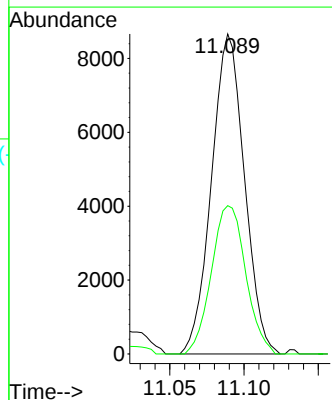
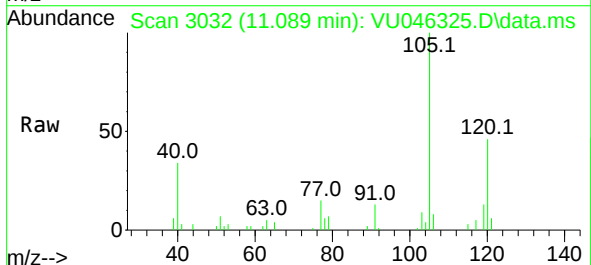
Instrument :
MSVOA_U
ClientSampleId :
EW5S2

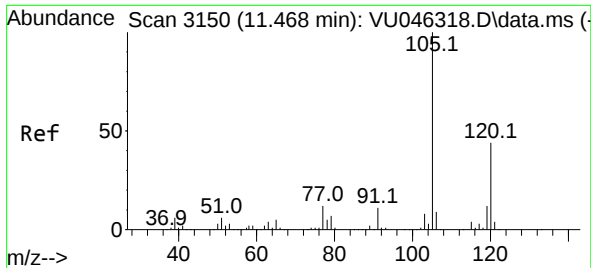
Tgt Ion:164 Resp: 997
Ion Ratio Lower Upper
164 100
129 76.1 71.1 132.1
131 71.5 67.8 126.0
166 117.5 90.6 168.2



#62
1,3,5-Trimethylbenzene
Concen: 2.952 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.000 min
Lab File: VU046325.D
Acq: 13 Dec 2021 18:58

Tgt Ion:105 Resp: 13361
Ion Ratio Lower Upper
105 100
120 48.3 37.8 56.6





#63
 1,2,4-Trimethylbenzene
 Concen: 9.004 ug/L
 RT: 11.468 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU046325.D
 Acq: 13 Dec 2021 18:58

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5S2

Tgt Ion:105 Resp: 40773
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.2 52.8

