

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046233.D
 Acq On : 09 Dec 2021 20:20
 Operator : SY/MD
 Sample : M4983-21
 Misc : 5.8mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5S2

Quant Time: Dec 10 03:46:26 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)

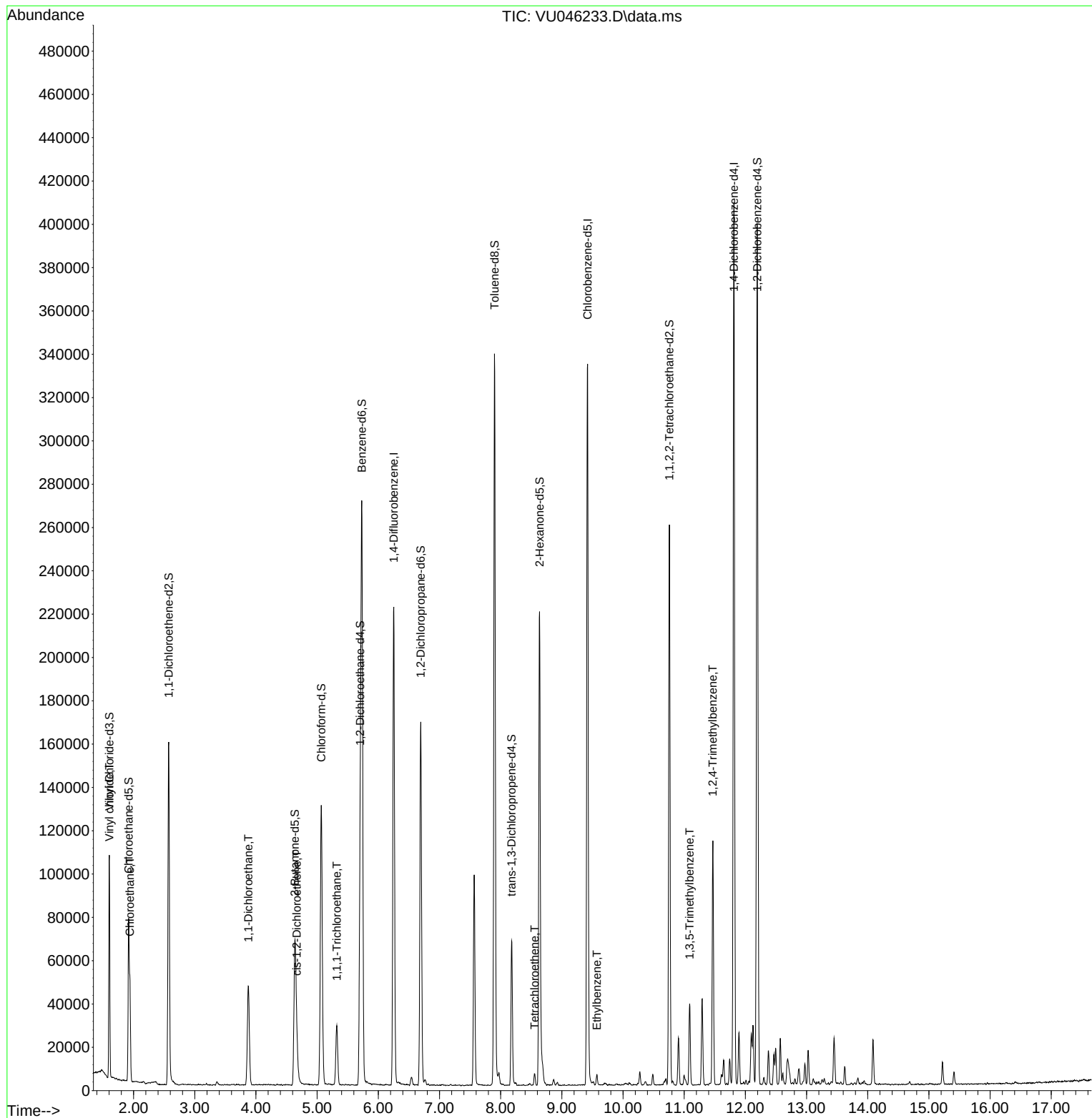
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	184214	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	193429	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105752	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	70986	46.779	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.560%		
7) Chloroethane-d5	1.919	69	53803	46.179	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.360%		
11) 1,1-Dichloroethene-d2	2.575	63	94191	34.577	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.160%		
21) 2-Butanone-d5	4.636	46	119026	98.670	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.670%		
24) Chloroform-d	5.070	84	120606	47.594	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.180%		
26) 1,2-Dichloroethane-d4	5.703	65	83033	48.824	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.640%		
32) Benzene-d6	5.732	84	257856	46.511	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.020%		
36) 1,2-Dichloropropane-d6	6.694	67	80061	46.596	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.200%		
41) Toluene-d8	7.899	98	229988	45.562	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.120%		
43) trans-1,3-Dichloroprop...	8.179	79	39049	47.080	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.160%		
47) 2-Hexanone-d5	8.636	63	80565	98.895	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.890%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	126609	48.589	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.180%		
66) 1,2-Dichlorobenzene-d4	12.195	152	96594	47.429	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.860%		
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	1043	0.577	ug/L	# 1
8) Chloroethane	1.941	64	28119	26.868	ug/L	100
19) 1,1-Dichloroethane	3.877	63	52739	21.519	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	1476	1.009	ug/L	88
30) 1,1,1-Trichloroethane	5.321	97	20235	8.522	ug/L	98
46) Tetrachloroethene	8.555	164	1429	1.261	ug/L	83
52) Ethylbenzene	9.571	91	4133	0.611	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	21597	3.766	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	63289	11.030	ug/L	100

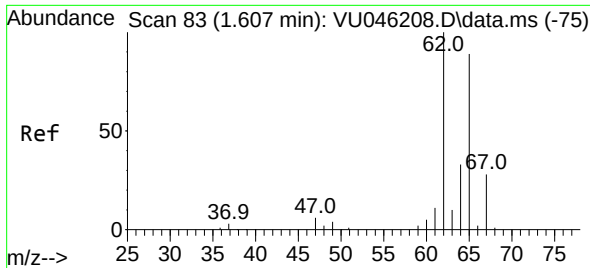
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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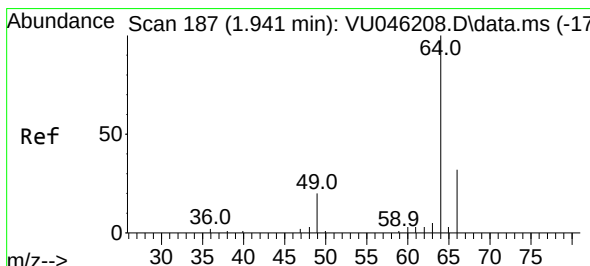
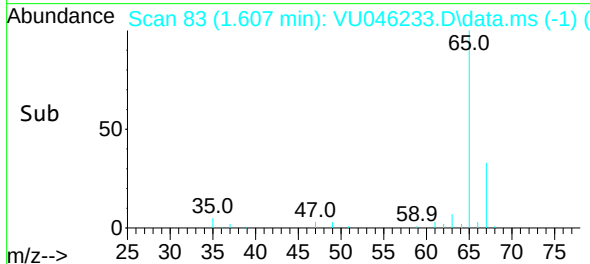
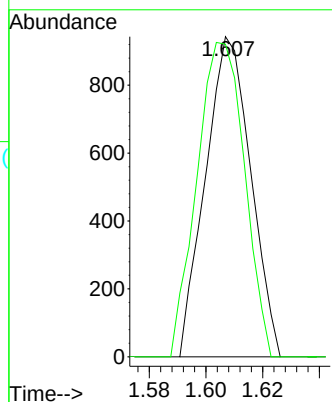
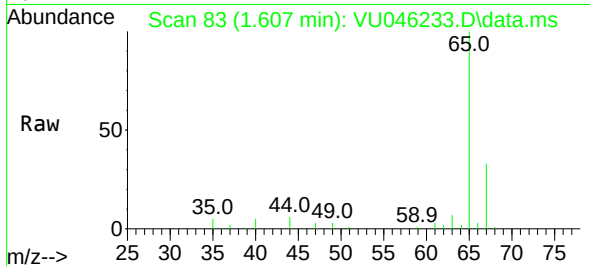




#5
 Vinyl chloride
 Concen: 0.577 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU046233.D
 Acq: 09 Dec 2021 20:20

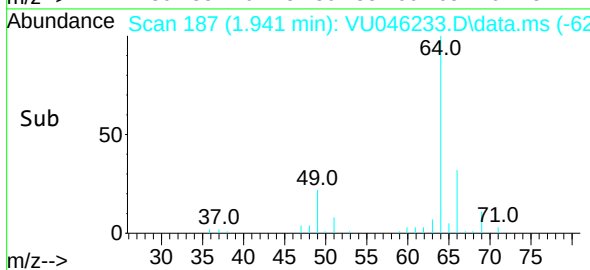
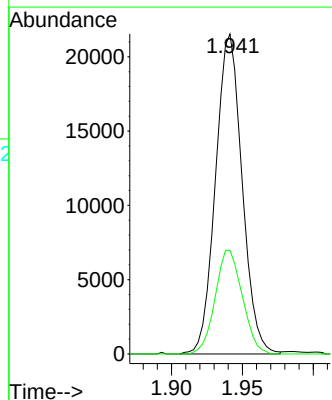
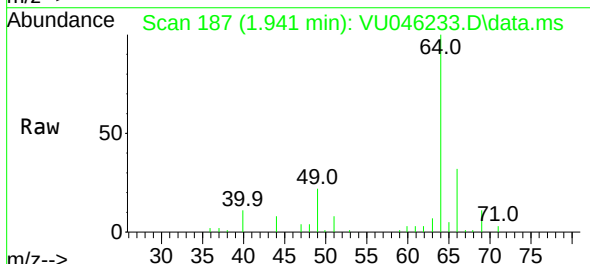
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5S2

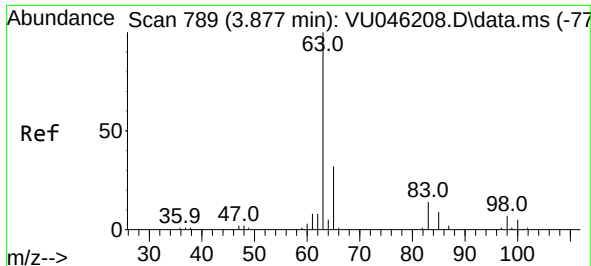
Tgt Ion: 62 Resp: 1043
 Ion Ratio Lower Upper
 62 100
 64 97.7 22.9 42.5#



#8
 Chloroethane
 Concen: 26.868 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU046233.D
 Acq: 09 Dec 2021 20:20

Tgt Ion: 64 Resp: 28119
 Ion Ratio Lower Upper
 64 100
 66 32.4 22.5 41.9





#19

1,1-Dichloroethane

Concen: 21.519 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046233.D

Acq: 09 Dec 2021 20:20

Instrument :

MSVOA_U

ClientSampleId :

EW5S2

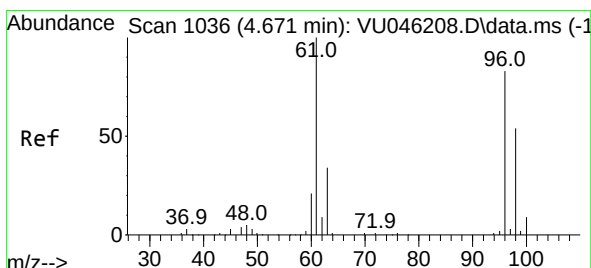
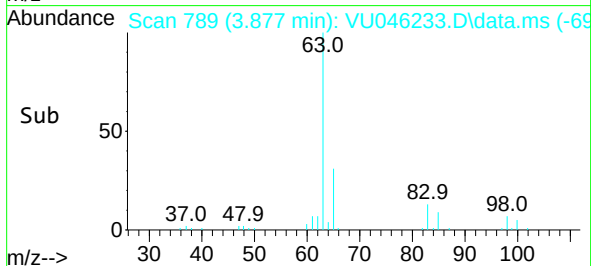
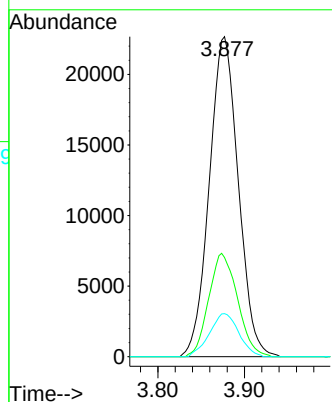
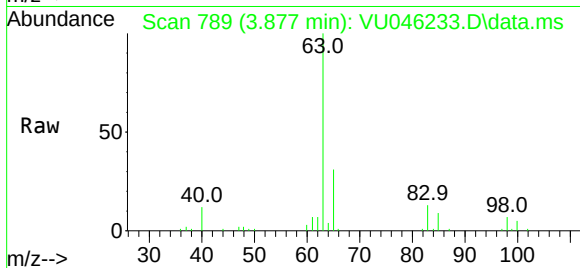
Tgt Ion: 63 Resp: 52739

Ion Ratio Lower Upper

63 100

65 31.0 22.8 42.4

83 13.4 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 1.009 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.003 min

Lab File: VU046233.D

Acq: 09 Dec 2021 20:20

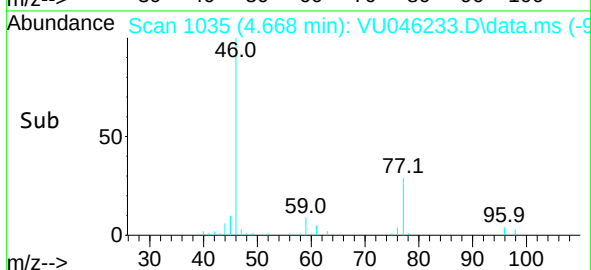
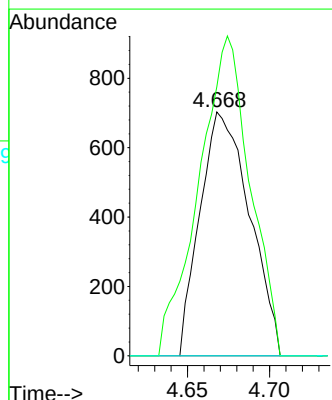
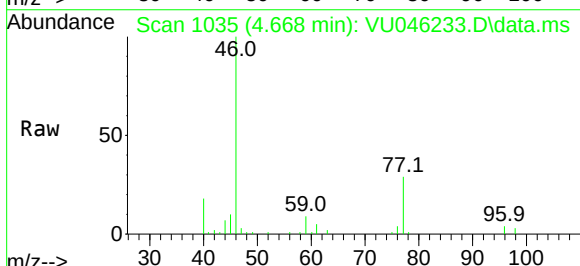
Tgt Ion: 96 Resp: 1476

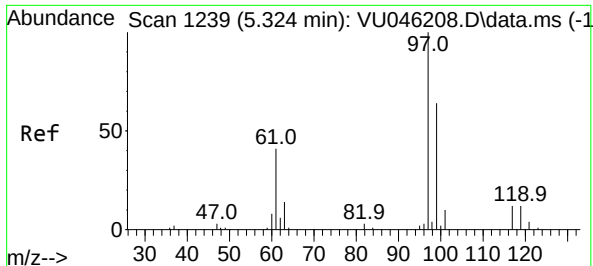
Ion Ratio Lower Upper

96 100

61 110.4 86.8 161.2

68 0.0 0.0 0.0

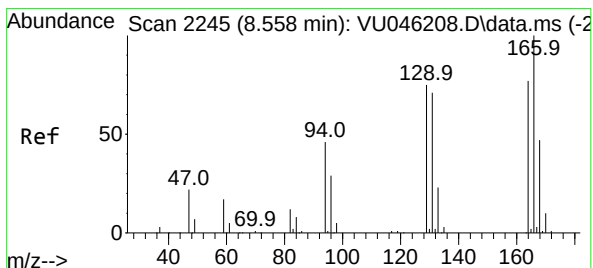
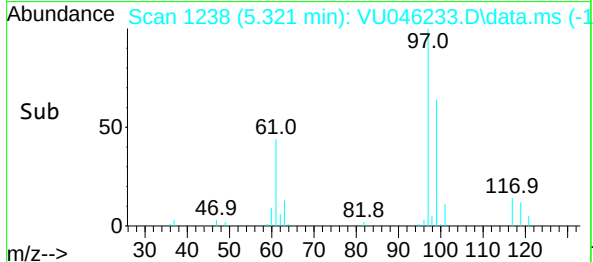
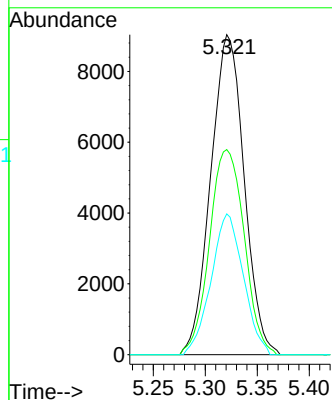
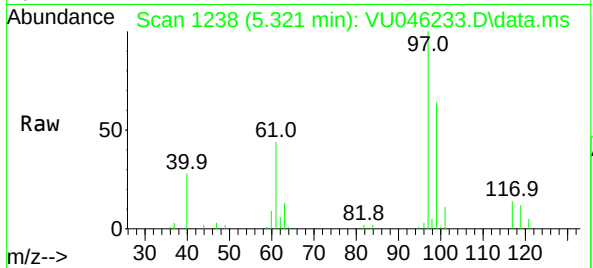




#30
1,1,1-Trichloroethane
Concen: 8.522 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU046233.D
Acq: 09 Dec 2021 20:20

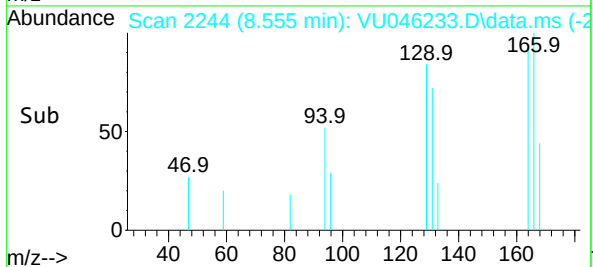
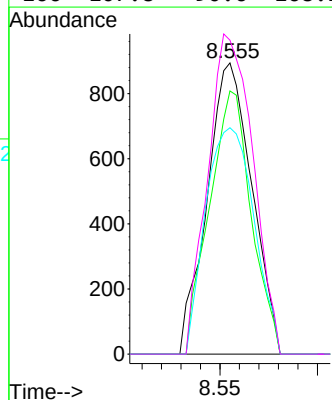
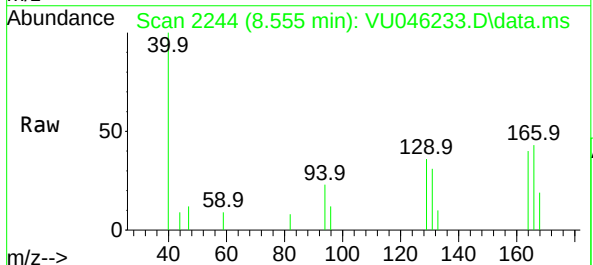
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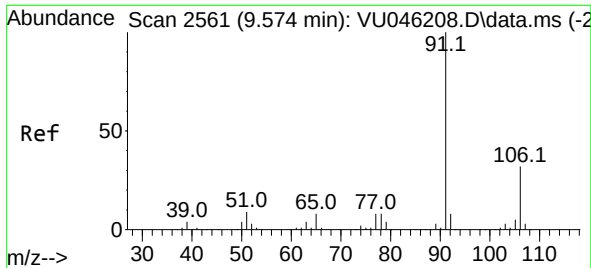
Tgt Ion: 97	Resp: 20235
Ion Ratio	Lower Upper
97 100	
99 66.5	51.8 77.6
61 42.5	34.4 51.6



#46
Tetrachloroethene
Concen: 1.261 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046233.D
Acq: 09 Dec 2021 20:20

Tgt	Ion:164	Resp:	1429
Ion	Ratio	Lower	Upper
164	100		
129	90.4	71.1	132.1
131	77.7	67.8	126.0
166	107.8	90.6	168.2

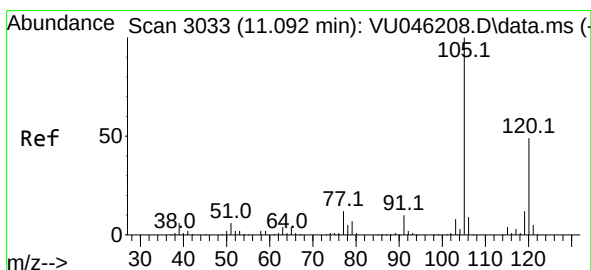
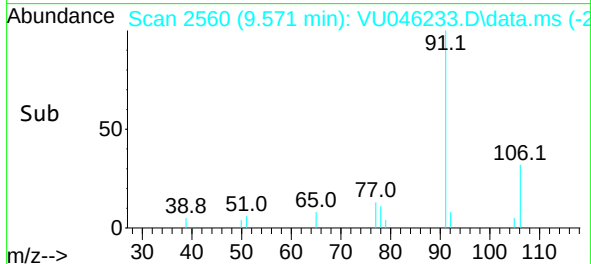
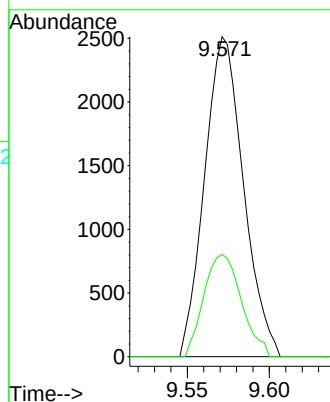
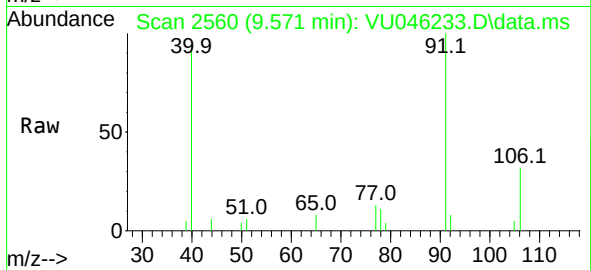




#52
Ethylbenzene
Concen: 0.611 ug/L
RT: 9.571 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046233.D
Acq: 09 Dec 2021 20:20

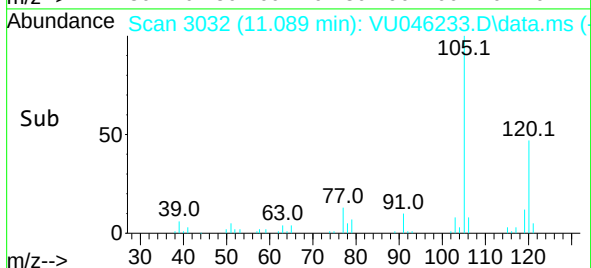
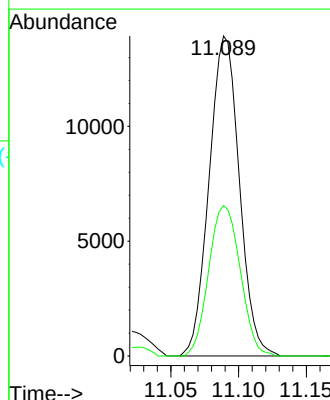
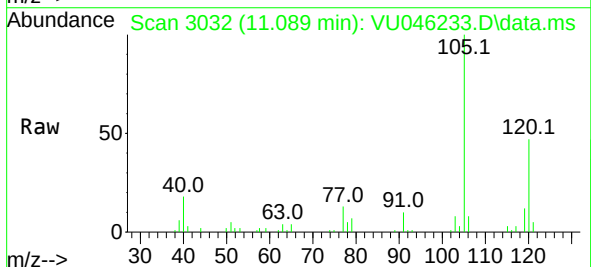
Instrument :
MSVOA_U
ClientSampleId :
EW5S2

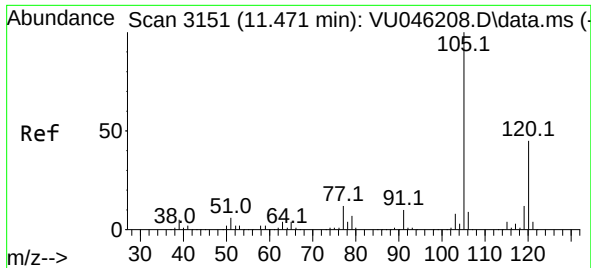
Tgt Ion: 91 Resp: 4133
Ion Ratio Lower Upper
91 100
106 32.0 21.1 39.3



#62
1,3,5-Trimethylbenzene
Concen: 3.766 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU046233.D
Acq: 09 Dec 2021 20:20

Tgt Ion: 105 Resp: 21597
Ion Ratio Lower Upper
105 100
120 49.0 37.8 56.6





#63
 1,2,4-Trimethylbenzene
 Concen: 11.030 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.003 min
 Lab File: VU046233.D
 Acq: 09 Dec 2021 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5S2

Tgt Ion:105 Resp: 63289
 Ion Ratio Lower Upper
 105 100
 120 43.9 35.2 52.8

